INTRODUCTION.

A comparison of the total stone output of the United States for the last four or five years furnishes a fairly good summary of the standing of the stone trade for the present year, and also indicates to some extent the activity or depression of building construction, road-improvement work, and the general condition of the many trades connected with the quarrying of stone.

The years 1901 and 1902 showed a large increase in the stone output of the country, which was forwarded by an increase in the building industry, the use of crushed stone for concrete ballast and road improvement, the export trade in slate, the construction of bridges requiring heavy stone for foundations, the use of a large quantity of limestone for iron-furnace flux, and of an immense quantity of stone used in the manufacture of Portland cement, but not included in these figures. The paving-block industry was not so prominent in these years, as brick, asphalt, and macadam took the place of blocks. The lime industry was also somewhat affected by the use of cement wall plaster.

To some extent in 1902, and especially in 1903, labor troubles and builders' strikes and less railroad construction caused a general inactivity in quarrying. These causes have had their effect also on the trade in 1904, and therefore the figures show a much less increase than in previous years.

Dr. George P. Merrill, head curator of geology, United States National Museum, has recently cooperated with the United States Geological Survey in the examination of regions of special interest and will from time to time contribute articles to the report on Stone. Dr. Merrill has visited the stone deposits of Florida and of Fairfield County, S. C., and his reports on these regions are embodied in this report.

a The collection of these statistics and the compilation of the returns have been carried on, as in previous years, by Miss Altha T. Coons, statistical expert of this office, who has prepared the entire report on stone.—D. T. DAY.

PRODUCTION.

In classifying the various kinds of stone many essentially different rocks are, for simplicity of treatment, grouped in the following classes: Granite, bluestone, marble, trap rock, limestone, sandstone, and slate. This classification was explained in detail in the report for 1902.

In making the statements as to the value of the stone, the figures given represent as nearly as it was possible to obtain it the value of the stone as it left the hands of the producer, exclusive of any cost of shipment. When the stone was sold by the producer to the manufacturers in the rough state, the value is so given; and when the producer dressed his own stone, the value given is the dressed value. This applies particularly to the rough and the dressed granite, sand-stone, and marble used for building and for monumental work.

The figures as given in the table which follows do not include values of stone quarried for the following purposes: Sandstone converted into grindstones, whetstones, and other abrasive materials; sandstone quarried and crushed into sand for the manufacture of glass; bituminous limestone and sandstone used in making asphalt pavements and asphalt blocks; and limestone used in the manufacture of Portland cement.

In this report for the first time are included figures showing the quantity of lime burned.

The total value of the stone reported to this office in 1904 was \$74,200,361. The value in 1903 was \$72,945,908—a gain of \$1,254,453 for 1904. The corresponding gain in 1903 over 1902, when the figures were \$69,830,351, was \$3,115,557. In 1902 the gain over 1901, when the total value was \$60,275,762, was \$9,554,589; and in 1901 the gain was \$12,267,023 over 1900.

In 1904 granite, marble, and limestone increased in value, while slate and sandstone decreased.

Granite showed the largest increase. In 1904, including trap rock, the total value was \$19,992,983; in 1903 it was \$18,436,087, a gain of \$1,556,896 for 1904. The granite production increased from \$15,703,793 in 1903 to \$17,169,437 in 1904, a gain of \$1,465,644; and the trap rock from \$2,732,294 in 1903 to \$2,823,546 in 1904, a gain of \$91,252.

Sandstone, including bluestone, decreased in value from \$11,262,259 in 1903 to \$10,295,933 in 1904, a loss of \$966,326. The value of bluestone included in the sandstone was \$1,779,457 in 1903, and \$1,791,729 in 1904, an increase of \$12,272. The sandstone figures decreased from \$9,482,802 in 1903 to \$8,504,204 in 1904, a loss of \$978,598.

The value of marble increased from \$5,362,686 in 1903 to \$6,297,835 in 1904, a gain of \$935,149.

The slate output was valued at \$6,256,885 in 1903, and at \$5,617,195 in 1904, a loss of \$639,690.

The limestone output remained nearly the same, being valued at \$31,627,991 in 1903, and \$31,996,415 in 1904, a gain of \$368,424 in 1904.

The following table shows the value of different kinds of stone produced in the United States from 1895 to 1904, inclusive:

Value of the different kinds of stone produced in the United States, 1895-1904.

Year.	Granite.	Trap rock.	Marble.	Slate.	Sandstone.	Bluestone.	Limestone.	Total.
1895	\$8,894,328		\$2, 825, 719	\$2,698,700	\$4, 211, 314	α \$750, 000	\$16, 563, 044	\$35,943,105
1896	7, 944, 994		2,859,136	2,746,205	4,023,199	a 750, 000	13, 879, 127	32, 202, 661
1897	8, 905, 075		3,870,584	3,524,614	4, 065, 445	a 900, 000	15, 526, 054	36, 791, 772
1898	9, 324, 406		3, 629, 940	3,723,540	4,724,412	a1,000,000	16,842,966	39, 245, 264
1899	10, 343, 298	\$1, 275, 041	4,011,681	3, 962, 733	64, 924, 670	815, 284	23, 453, 168	48, 785, 875
1900	10, 969, 417	1,706,200	4, 267, 258	4, 240, 466	b 5, 272, 865	1,198,519	20, 354, 019	48,008,739
1901	14, 266, 104	1,710,857	4, 965, 699	4,787,525	b 6, 974, 199	1,164,481	26, 406, 897	60, 275, 762
1902	16, 076, 787	2, 181, 157	5,044,182	5,696,051	b 9, 437, 646	1,163,525	30, 231, 003	69, 830, 351
1903	15, 703, 793	2, 732, 294	5, 362, 686	6, 256, 885	b 9, 482, 802	1,779,457	31,627,991	72,945,908
1904	17, 169, 437	2,823,546	6, 297, 835	5,617,195	68, 504, 204	1,791,729	31, 996, 415	74, 200, 361

a Estimated.

^b Does not include value of grindstones and whetstones.

The following tables show the value of stone produced in the United States in 1903 and 1904, by States:

Value of various kinds of stone produced in 1903 and 1904, by States. 1903.

State.	Granite,	Sandstone.	Slate.	Marble.	Limestone.	Total value.
Alabama		\$42,933		(a)	\$719, 404	\$762,337
Arizona	\$3,000	526, 875		(a)	1,260	531, 135
Arkansas	47, 136	61,172	\$4,709		242, 628	355, 645
California	b 1, 627, 592	762, 327	70,000	\$78,329	611, 126	3, 375, 378
Colorado	100, 791	389, 132			218, 120	708, 043
Connecticut	b 1, 101, 425	119, 417		(a)	154, 536	1, 375, 378
Delaware	369, 166					369, 166
Florida					64,893	64, 893
Georgia	672, 947			565, 605	73, 352	1, 311, 904
Hawaii						
Idaho	2, 750	11,856			18, 952	33,558
Illinois		26, 293			3, 206, 271	3, 232, 564
Indiana		32,651			2, 935, 274	2, 967, 925
Indian Territory	4,030				1,450	5, 480
Iowa		19,011			635, 431	654, 442
Kansas		102, 128			495, 069	597, 197
Kentucky		93, 742			736, 590	830, 332
Maine	2,586,765		231, 230		793, 553	3, 611, 548
Maryland	837, 787	2,170	137,631	83,672	386, 226	1, 447, 486
Massachusetts	b 2, 720, 066	372, 478		154, 228	272, 471	3, 519, 243
Michigan		121, 350			609, 082	730, 432
Minnesota	403, 906	363, 262			676, 090	1, 443, 258
Missouri	150, 409	49, 402		(a)	2,516,688	2,716,499
Montana	25, 993	68, 036		(a)	152,694	246, 723
Nebraska		1,067			187, 718	188, 785
Nevada	7,450	2,370			2,400	12, 220
New Hampshire	854, 513					854, 513
New Jersey	b 943, 171	364, 337	(c)		187,711	1, 495, 219
New Mexico		7,510			- 1,000	8,510
New York	549,015	d 1, 756, 501	145, 401	748, 160	2,543,756	5,742,833
North Carolina	218,947	600		4, 365	600	224, 512
Ohio		1,793,379			3, 320, 672	5, 114, 051
Oklahoma	5,000	6,500			54, 690	66, 190
Oregon	118,411	2,912			16,684	138, 007
Pennsylvania	b 829, 535	d 3, 255, 073	3, 959, 906	93, 200	5, 775, 506	13,913,220
Rhode Island	710, 291				39, 315	749, 606
South Carolina	476, 863				44,780	521,643
South Dakota		163,067			39, 266	202, 333
Tennessee		20,649		485, 905	555, 574	1,062,128
Texas	178, 325	114, 381			262, 053	549,759
Utah	3,803	71,279		3,200	190,608	268, 890
Vermont	1,810,179		1,592,652	3,011,505	190, 724	6,605,060
Virginia	299, 335	4,471	115, 356		569, 205	988, 367
Washington		47, 430		40,117	297, 701	594, 343
West Virginia	The state of the s	252, 204			558,024	810, 228
Wisconsin		142, 445			1, 256, 661	1,972,497
Wyoming		91,849		3,100		107, 132
Other States				e 91, 300		91,300
Total	b 18, 436, 087	d 11, 262, 259	6, 256, 885	5, 362, 686	31,627,991	72, 945, 908
			Part of the last	100000		1 2 2 2

a Included in other States.
b Includes trap rock.
c Included in New York.

 $[^]d$ Includes bluestone. $^\circ$ Includes Alabama, Arizona, Connecticut, Missouri, and Montana.

Value of various kinds of stone produced in 1903 and 1904, by States-Continued.

State.	Granite.	Sandstone.	Slate.	Marble.	Limestone.	Total value.
Alabama		\$12,788		(a)	\$785, 528	\$748, 316
Alaska	\$2,500	01.000	***********	(a)	10 450	100 010
Arizona	20000000	91, 960	\$14,300	(a)	12,450	106, 910 379, 726
Arkansas	52,616	63,950		(a)	248, 860	
California	b 1, 742, 330	735, 662	39, 200	\$87,659	660, 156	3, 265, 007
Colorado Connecticut	91, 132	281,142	**********	(a)	158,960	531, 234
Delaware	b 854, 784	117,696		(a)	168, 937	1,141,417 245,272
Florida	245, 272	***********		*********	89,363	
	0.40 466	***********	4,500	600 714	78, 972	89, 363 1, 711, 652
Georgia Hawaii	942, 466	22,042	4, 900	690, 714	10, 312	22, 042
Idaho	************				10 040	55, 362
Illinois		9,320	***************************************		46,042	3, 199, 267
	A CONTRACTOR OF THE PARTY OF TH	47,877	*********		3, 151, 890	
Indiana	5, 152	22, 681	**********		3, 140, 679	3, 163, 360
Indian Territory	5, 152	0.200	**********		6,270	11,422
Kansas	*********	9,300 130,516	********	**********	533, 593 810, 056	542, 893 940, 572
Kentucky			**********	**********	718, 297	811, 919
		93, 622	*********		(10, 29)	8,315
Louisiana		8,315	101 100		200 470	3, 384, 149
Maryland		0 000	181,168	73, 814	802,472	
Massachusetts	THE RESERVE TO SERVE THE PARTY OF THE PARTY	8, 998 320, 861	183, 972	183, 388	437,500 329,707	1, 469, 755 3, 702, 261
Michigan	02,000,000	74, 868	**********	100,000	760, 613	835, 481
Minnesota	405, 956	319, 209	terestreate	2222222	591, 703	1, 316, 868
Mississippi	The state of the s	519, 209	*********	**********	991, 100	440
Missouri	1	44, 455		(a)	2,875,227	3, 075, 398
Montana	0.000	64, 232	**********	(4)	133, 915	232, 037
Nebraska	30,000	142	************		236, 780	236, 922
Nevada	1,200	10,558		•••••	2,700	14, 458
New Hampshire	-	10,000			2,700	927, 487
New Jersey		236, 426	**********		226, 908	1, 296, 859
New Mexico	The second second	133, 390		4, 250	3, 383	141, 028
New York		c1,755,524	71,543	565, 987	2, 032, 536	5, 048, 576
North Carolina		250	11,040	2,741	16,888	317, 628
Ohio	201, 110	1,808,062		#, (T.I	3, 396, 048	5, 204, 110
Oklahoma	26, 930	2,995			95, 246	125, 171
Oregon	To American	6,186		********	15, 581	256, 980
Pennsylvania		02,641,510	3,633,246	90,390	5, 246, 423	12,512,099
Rhode Island		2,011,010	0,000,240	30,000	32, 183	717, 138
South Carolina	-	*************			33, 084	415, 515
South Dakota		338, 970			27, 914	367, 78
Tennessee		24, 868	607	505, 259	505, 117	1, 035, 85
Texas	. 848, 317	209,313	607	2000, 200	387, 061	944, 691
Utah	7,980	70,168	300	3,950	255, 947	338, 34
Vermont	2,447,979	10, 100	1,408,151	4, 004, 669	194, 334	8, 055, 133
Virginia	510,788	13,522	130, 208	1,002,000	442,978	1,097,496
Washington		88,185	0.5(4)4 -0.5(4)	23,098	288, 311	822, 10
West Virginia	740,000	287,381		20,000	644,363	931, 74
Wisconsin	. 724, 422	158,503		Delegation of the	1,409,075	2, 292, 000
Wyoming		30,986		2,000	17, 365	50, 90
Other States	301	00,200		d 59, 916	27,000	59, 91
Total	b 19, 992, 983	c10, 295, 933	5, 617, 195	d 6, 297, 835	31, 996, 415	74, 200, 36

a Included in other States.
b Includes trap rock.
c Includes bluestone.

dIncludes Alabama, Alaska, Arizona, Arkansas, Connecticut, and Missouri.

The following table is given to show the total values of the stone used for various purposes in 1903 and 1904. Only those values are given which are for uses common to two or more varieties of stone:

Value of granite, sandstone, limestone, and marble used for various purposes in 1903 and 1904.

1903.

Kind.	Building (rough and dressed).	Monumental (rough and dressed).	Flagstone.	Curbstone.	Paving.	Crushed stone.
Granite	\$6, 192, 145	\$3,808,417	\$91, 142	\$701,018	\$1,954,266	\$3,780,487
Sandstone	6, 403, 969		1, 164, 156	1,003,528	696,053	827, 585
Limestone Marble	4, 981, 241 2, 218, 136	1,958,943	166, 961	855, 167	515,760	8, 580, 866
Total	19, 795, 491	5, 767, 360	1,422,259	2,059,713	3, 166, 079	13, 188, 938

1904.

Granite	\$6, 940, 425	\$3,663,682	\$58,152	\$769, 462	\$1,983,328	\$4,930,003
Sandstone	5, 125, 858		1,110,163	1, 253, 492	664,062	1,041,493
Limestone	4, 543, 760	***********	108,029	277,772	186, 670	9,558,626
Marble	2, 273, 412	2, 328, 032				
Total	18, 883, 455	5, 991, 714	1, 276, 344	2, 300, 726	2, 834, 060	15, 580, 122

As will be seen from this table the value of stone used for building decreased from \$19,795,491 in 1903 to \$18,883,455 in 1904, a decrease of \$912,036. In 1903 there was a decrease in the building-stone output of \$994,850 from 1902, and in 1902 an increase of \$3,953,960 over the figures for 1901.

In 1904 there was an increase in monumental stone from \$5,767,360 in 1903 to \$5,991,714, a gain of \$224,354. In 1903 there was a loss of \$174,225 as compared with 1902.

Flagstone decreased from \$1,422,259 in 1903 to \$1,276,344 in 1904, a loss of \$145,915.

Curbstone increased from \$2,059,713 in 1903 to \$2,300,726 in 1904, a gain of \$241,013.

Paving decreased from \$3,166,079 in 1903 to \$2,834,060 in 1904, a loss of \$332,019. In 1903 there was a gain of \$1,114,686 as compared with 1902.

Crushed stone increased from a total value of \$13,188,938 in 1903 to \$15,530,122 in 1904, a gain of \$2,341,184, as shown in the following table:

Value of crushed stone in the United States in 1903 and 1904.

1903.

Kind.	Railroad ballast.	Road making.	€onerete.	Total value.
Limestone	\$3,105,602	82, 997, 547	82, 477, 717	\$8,580,860
Sandstone	287,988	289, 325	250, 272	827,583
Granite	750, 142	1, 896, 191	1, 134, 154	3, 780, 487
Total	4, 143, 732	5, 183, 063	3, 862, 143	13, 188, 938
	904.			
Limestone	\$3,153,002	\$3,714,987	\$2,690,637	\$9,558,626
		\$3,714,987 341,420	\$2,690,637 249,631	
Limestone	\$3, 153, 002			\$9,558,626 1,041,493 4,930,003

The following tables show the total value of the crushed stone produced in the United States in 1903 and 1904, by States:

Value of crushed stone produced in the United States in 1903 and 1904, by States.

1903.

State,	Granite.	Limestone.	Sandstone.	Total value.
Alabama		\$460		\$460
Arizona		41.00	\$13, 125	18, 125
Arkansas	\$44, 136	5,813	13,076	63, 025
	387, 228	92, 245	80, 920	560, 393
California	and the second	92, 240	72.000	100000000000000000000000000000000000000
Colorado	600		37, 635	38, 235
Connecticut	207, 607			207, 607
Delaware	83, 221			83, 221
Florida		3,256		3, 256
Georgia	59,762	7,600		67, 362
Hawaii				
Illinois		1,382,823		1,882,823
Indiana	***********	332, 644	5,000	337, 644
Indian Territory		650		650
Iowa		177, 484	382	177, 866
Kansas		256, 228	31,850	288, 078
Kentucky		450, 320	1,100	451, 420
Louisiana				
Maine	11,678			11,678
Maryland	220,555	48,464	1,375	270, 394
Massachusetts	447,674	50	204, 719	652, 443
Michigan		145, 186	5,500	150, 686
Minnesota	22,140	109,040	20,721	151, 901
Missouri	42,827	1,041,656	24	1,084,507
Montana	THE STATE OF	MAGESTA MINE	165	165
Nebraska		74, 452	30	74, 482
Nevada				
New Hampshire	15,407			16, 407
New Jersey	811,671	2,408	1,950	816, 029
New Mexico	012,011	27.100	250	250
New York	401, 694	1, 234, 214	29, 394	1,668,302
North Carolina.	100,482	1,201,214	20,001	100, 432
Ohio	100, 302	1,075,866	38,288	
Oklahoma	***************************************			1,114,154
Oregon	10 500	30,000	600	30,600
Pennsylvania	16,500	1 410 mms	97	16,597
Rhode Island	478, 200	1,413,770	224, 813	2,116,783
	20,628	300	************	20, 928
South Carolina	57, 577	850		68, 427
South Dakota	***************************************	19,026	6,000	25, 026
Tennessee		108,768	93	108,861
Texas	64,750	58,631	22, 300	145, 681
Utah		************		***********
Vermont	9,541	3,345		12,886
Virginia	110,005	25,743	803	136, 551
Washington	13, 239	1,950		15, 189
West Virginia		148, 446	15,202	163,648
Wiseonsin	149, 415	329, 178	1,550	480, 143
Wyoming	************		70,628	70,623
Total	3,780,487	8,580,866	827,585	13, 188, 938
	0,100,101	0,000,000	021,000	10, 100, 500

Value of crushed stone produced in the United States in 1903 and 1904, by States—Continued.

1904.

pli all list finds the list is				
State.	Granite.	Limestone.	Sandstone.	Total value.
Alabama	******	\$17,856	ROBERT SE	\$17,356
Arizona			\$1,580	1,580
Arkansas	\$34,566	39,050	11,428	85, 044
California	610,053	14,075	112, 596	736, 724
Colorado	20,228		4,655	24, 883
Connecticut	299, 297			299, 297
Delaware	142,752			142, 752
Florida		300		300
Georgia	117, 280	15, 200		132, 480
Hawaii			22, 042	22,042
Illinois	**********	1,567,192	14, 585	1,581,777
Indiana		383, 183		383, 183
Indian Territory	18	6,076		6,094
Iowa		135, 421	100	135, 521
Kansas		521, 122	49, 830	570, 952
Kentucky		498, 244	2, 950	501, 194
Louisiana			1,310	1,310
Maine	10,711			10, 711
Maryland	271,311	111, 147		382, 458
Massachusetts	407, 843	THE PARTY NAME	213, 739	621, 582
Miehigan		176, 500	1,800	178, 300
Minnesota	51, 589	147, 496	11, 365	210, 450
Missouri	69,811	1,369,355	220	1, 439, 386
Montana	500	174.00000 # 000 W	1,669	2,169
Nebraska		112, 211	32	112, 243
Nevada		215,022	400	400
New Hampshire	15,521			15, 521
New Jersey	759,773	2,984	7, 113	769, 870
New Mexico	198111	-,	130, 894	130, 894
New York	480, 236	948, 363	29, 915	1, 458, 514
North Carolina	93,396	12,088	511,100	105, 484
Ohio	207 000	1, 345, 414	26, 390	1,371,804
Oklahoma		60,020	20,000	60,020
Oregon	98,814	007,020	111	98, 925
Pennsylvania	667,093	1, 281, 992	240, 541	2,189,626
Rhode Island	130,573	1,201,002	240,041	130, 573
South Carolina	72,893	125		73, 018
South Dakota	12,000	2,400	31, 826	34, 226
Tennessee		147, 004	2, 733	2,10,11
Texas	79, 407			149, 737
Utah	70, 407	42,649	45, 356	158, 412
Vermont	0 000	13, 195	**********	13, 195
Virginia	2,360	4, 231	10,000	6, 591
Washington	239, 335	38, 249	12,672	290, 256
	69, 241	150	2,500	71, 891
West Virginia	704 100	202, 166	46, 128	248, 294
Wisconsin	194, 402	342, 568	12,304	549, 274
Wyoming		1,100	2,709	3,809
Total	4, 930, 003	9, 558, 626	1,041,493	15, 530, 122
	The state of the s			

EXPORTS AND IMPORTS.

The following figures, compiled from statistics furnished by the Bureau of Statistics of the Department of Commerce and Labor, give the value of the exports and imports of stone for the calendar years 1903 and 1904:

Imports of stone into the United States in 1903 and 1904.

	1903.	1904.
Marble and stone, unmanufactured	\$219,732	\$203,086
Roofing slate	838, 683	449, 743
Lime	48, 622	52, 296
All others	629, 901	684, 925
Total	1,736,938	1, 390, 050

Exports of stone from the United States in 1903 and 1904.

	1903.	1904.
Marble:		
In block, rough, etc	\$998, 858	\$851,841
Sawed or dressed	1,030	265
Slabs or paving tiles	107, 701	55, 020
All other manufactures	309, 852	243, 931
Mosaic cubes.	33, 483	35, 128
Total	1,450,924	1, 186, 185
Lime, total.	84, 234	82, 008
Onyx:		
In block, rough, etc	78, 445	63, 970
Sawed or dressed	1,297	
Slabs or tiles	856	
All other manufactures	4,052	10,885
Total	84,650	74, 860
Granite:		
Dressed	96, 925	111, 548
Rough	3,651	7, 57
Total	100,576	119, 116
Slate:		1
Roofing	2,266	
Slabs, mantels, etc	8,754	9,84
Total	11,020	9, 84
Stone (other):		
Dressed	12,796	24, 680
Rough	15, 874	15, 97
Total	28, 170	40, 65
Grand total	1,759,574	1,512,660

As will be seen from these figures, the value of both exported and imported stone decreased in 1904 as compared with 1903. On page 829 of this report will be found a table showing the exports of slate according to the ports and customs districts, by fiscal years, for a series of years, as published by the Bureau of Statistics.

GRANITE.

The stone classed as granite in this report includes gneiss, micaschist, lava, andesite, syenite, quartz porphyry, trap rock, basalt, and allied igneous rocks. Too small quantities of these allied stones are quarried to make it practicable to tabulate them separately. Trap rock, however, as quarried in California, Connecticut, New York, New Jersey, and Pennsylvania represents a sufficient industry by itself to make it advisable to show the value of this stone separately from the granite. The California trap rock includes considerable basalt, quarried and manufactured mostly into paving blocks.

In 1904 the value of the granite output in the United States, including the above-mentioned classes of rocks, was \$19,992,983. This, as compared with \$18,436,087, the value for 1903, shows an increase of \$1,556,896 for 1904. In 1903 the increase was but \$178,143, or from \$18,257,944 in 1902 to \$18,436,087 in 1903. In 1903 the industry, especially in the eastern States, was disturbed by labor troubles, builders' strikes, and increased price of other materials in the large cities furnishing a market for this stone. The production of the year 1904 was also influenced by these troubles, but not so much as in 1903, and it is noteworthy that the principal increase in the granite output is for stone for building purposes and for the better class of stonethat is, for dressed stone. To some extent, especially in large cities, stone for foundation work has been done away with and concrete is used in its stead, and the increase in the value of stone used for concrete is therefore very natural. Massachusetts ranks first in value of granite output, followed by Vermont, Maine, California, Georgia, and New Hampshire.

In 1903 the order was Massachusetts, Maine, Vermont, California, Connecticut, and New Jersey.

A large increase in the figures for Vermont and Georgia, and a decrease in value for Maine and Connecticut, caused this change of rank.

There was an increase in the value of stone used for building purposes in 1904 of \$748,280, or from \$6,192,145 in 1903 to \$6,940,425 in 1904. In 1903 there was a decrease of \$842,687 in the value of this product.

Rough building stone sold by the quarrymen, however, decreased \$466,891 in 1904, or from \$1,671,929 in 1903 to \$1,205,038 in 1904, while the stone dressed by the producers increased in value \$1,215,171, or from \$4,520,216 in 1903 to \$5,735,387 in 1904.

The stone sold for monumental work in 1904, including the rough stock sold by the quarrymen for this purpose, was valued at \$3,663,682; in 1903 this value was \$3,808,417, a loss of \$144,735 in 1904. The rough monumental stock was valued at \$1,692,880 in 1903 and at \$1,718,185 in 1904, an increase of \$25,305. The dressed stone was valued at \$2,115,537 in 1903 and at \$1,945,497 in 1904, a decrease of \$170,040.

The stone sold "rough for other purposes" includes in California, Delaware, South Carolina, and Texas a large quantity of stone used for jetty work and for breakwater.

The value of paving blocks increased slightly, from \$1,954,266 in 1903 to \$1,983,328 in 1904, a gain of \$29,062.

The crushed stone increased in value from \$3,780,487 in 1903 to \$4,930,003 in 1904, a gain of \$1,149,516.

The following tables show the value of the granite produced in the United States in 1903 and 1904 by States and uses:

Yalue of granite produced in the United States in 1903 and 1904, by States and uses.

	Sold	in the rou	gh.	Dressed	Dressed	Made		7771
State.	Building.	Monu- mental.	Other.	for building.	for mon- umental work.	into pav- ing blocks.	Curbing.	Flag- ging.
Arizona					\$3,000			
Arkansas								
California	\$34,064	\$48,351	\$284,509	\$479,979	81,869	\$92,082	\$46,290	\$470
Colorado	12,855	8,122		77,188	526	********	1,500	******
Connecticut	71,041	26, 164	93, 699	408,875	58, 811	85,686	24,398	808
Delaware	63, 462		185,680	8,034	214	11,812	4,654	89
Georgia	39, 585	34, 374	1,000	29,421	18, 345	189,571	249,948	7,58
Idaho	1,500						1,250	
Indian Territory	840	90		2,350	400			
Maine	267, 778	43,961	10,016	1,300,608	159, 478	639, 607	96, 367	12, 47
Maryland	228, 896	29,996	1,400	271,929	10, 634	38, 104	21,174	3, 99
Massachusetts	324, 683	374,544	44,875	648, 471	211, 175	349,066	65, 148	18,04
Minnesota	21,992	14, 161	682	58, 474	172, 927	73,950	34, 351	2,67
Missouri	2,680	28,593	413	11,782	100	20,178	11,125	31, 15
Montana	3, 430	2,000		11,863	2,100		600	
Nevada	950	2,500			******		4,000	
New Hampshire	115, 524	57,775	6,964	282, 014	252, 044	58,708	35, 603	1,04
New Jersey	50, 824	6,800	360	20,672	12	41,605		
New York	86, 406		42	51, 172	2,400	3,500	801	
North Carolina	8,259	510	3,888	44, 628	6,760	7, 215	36, 915	1,37
Oklahoma		1,000			4,000			
Oregon	1,588	2,325	230	1,691	16,390	80	200	15
Pennsylvania	167, 442		426	91, 594	1,300	28,706	10, 220	34
Rhode Island	9,890	111,458	2,040	149, 114	360,043	37,984	11,570	70
South Carolina	18,300	29,000	192,500	157, 100	1,900	5,600	4,150	19
Texas	3,839	19,475	22,611	2,600	5, 675		1,275	
Utah	661	2,490	560					
Vermont	103, 353	828,508	579	346, 293	481,346	28,839	10,647	
Virginia	26,345	13,440		14,740	43,845	28,034	4,582	5,48
Washington	6,612	2,775		50, 792	17,604	12,000	23, 381	
Wisconsin	4,185	4,468	750	3,882	202, 639	201, 939	869	4,54
Total	1,671,929	1,692,880	853, 224	4, 520, 216	2, 115, 537	1, 954, 266	701,018	91,14

Value of granite produced in United States in 1903 and 1904, by States and uses—Cont'd.

1903—Continued.

	C	rushed stone	0.	Stamps			
State.	Road making.	Railroad ballast.	Concrete,	Rubble.	Riprap.	Other.	Total.
Arizona							\$3,000
Arkansas	\$4,813	\$23,500	\$15,823	\$3,000	**********	********	47,136
California	112,298	74,039	200,891	162,089	\$9,161	\$1,500	1,627,592
Colorado	150		450				100, 791
Connecticut	116, 236	34, 164	57, 207	32,752	91,587	*******	1, 101, 425
Delaware	14, 245	47,976	21,000	6,000	6,000		369, 166
Georgia	1,800	30,350	27,612	26,792	5,770	10,794	672, 947
Idaho							2,750
Indian Territory				350	**********		4,030
Maine	5, 254	3,318	3,106	6,920	15,920	21,957	2,586,765
Maryland	60,664	37,771	122, 120	8,278	1,029	1,800	837, 787
Massachusetts	288,685	36,868	122, 121	191, 212	40,895	4,274	2,720,066
Minnesota	20,706	734	700	7,069	457	25	403, 906
Missouri	38,384		4,443		1,252	350	150, 409
Montana				5,000	1,000		25, 993
Nevada							7,450
New Hampshire	7,850	2,470	6,087	9,275	18,684	475	854, 513
New Jersey	575,338	86,109	150, 224	2,104	5,733	3,390	943, 171
New York	283, 480	40,000	81, 214				549,015
North Carolina	3,447	91,001	5, 984	630	3, 255	5,080	218,947
Oklahoma							5,000
Oregon	12,000	1,500	3,000	73,587	5,725		118, 411
Pennsylvania	145, 923	182, 425	149,852	12,898	34, 331	4,080	829,535
Rhode Island	18,031		2,597	3,650	619	2,590	710, 291
South Carolina	13,000	36,797	7,780	15, 450	90		476, 868
Texas	25		64, 725		53, 100		173, 325
Utah					92		3,803
Vermont	3, 321	3,720	2,500		356	717	1,810,179
Virginia	31,785	17,400	60, 820	28,449	22,410	2,000	299, 335
Washington	3,608		9,631	9,048	73, 644		209,095
Wisconsin	135, 148		14, 267	591		107	573, 391
Total	1, 896, 191	750, 142	1, 134, 154	605, 139	391,110	59,189	18, 436, 087

Value of granite produced in United States in 1903 and 1904, by States and uses—Cont'd.

1904.

	Sold	in the rou	gh.	Dressed	Dressed for mon-	Made into		Flag-
State,	Building.	Monu- mental.	Other.	for building.	umental work.	paving blocks.	Curbing.	ging.
Arizona					\$2,500			
Arkansas	\$100	\$100	\$100		********	*******	\$150	
California	58,820	56,058	221, 349	\$360,734	99, 151	\$252,054	63,760	\$350
Colorado	1,600	22,479	840	33,550	5, 835	4,000	2,500	
Connecticut	92,016	23,371	3,988	289,772	42, 202	49,354	21,690	386
Delaware	26, 328	14	45, 220	8,909	270	13,031	4, 392	276
Georgia	34,033	40, 275	2, 150	234, 931	450	250,896	218, 266	1,000
Idaho								
Indian Territory				5,000			38	
Maine	126, 959	31,066	19,547	1,592,132	86,610	426, 463	70, 731	10,516
Maryland	124,994	15,037	3,450	270, 791	8, 139	46,864	14,970	19,001
Massachusetts	225, 322	365, 607	52, 763	876, 517	209,077	320,714	142, 347	4,969
Minnesota	9,529	24, 435	2,800	71,934	143, 247	66,000	18,787	2,507
Mississippi	440							210010101
Missouri		16,681	521	18,680	6, 335	31,786	5,002	
Montana	4,890	3, 100		9,500	7,200	3,000	700	
Nevada				200	1,000			
New Hampshire	124,186	74, 478	12,314	393,144	214, 578	65, 151	16,807	1,008
New Jersey	9,930	1,030		27, 499	2,079	28,535		
New York	26,615	1,100	900	61,800	4,900	15,500	665	60
North Carolina	18,171	110	400	61, 488	874	15,807	95, 708	6,329
Oklahoma	60	1,060	********	240	10, 240	********	120	
Oregon	1,695	3, 397	12	3,140	12, 117	7,000	150	********
Pennsylvania	118,049	50	2,577	60, 169	381	30,643	10,671	200
Rhode Island	12,648	118, 236	1,000	214,599	153, 930	47,823	2,350	377
South Carolina	47, 104	23, 895	132,349	60,753	6,882	5,945	20, 365	1,260
South Dakota	100	300		500				
Texas	11,230	20,726	141,214	56, 646	23,885		130	
Utah	506	1,606	********	********	500			
Vermont	83,148	797, 830	3,900	912, 801	615, 057	14,745	6,006	
Virginia	33,613	17,320		48, 452	55, 608	30,966	33, 324	3,51
Washington	11,600	3,552	1,000	57,520	26, 390	3,000	16,743	800
Wisconsin	800	55, 272		3,986	206,060	254, 051	3,090	5,610
Wyoming	557							
Total	1, 205, 038	1, 718, 185	648, 394	5, 735, 387	1,945,497	1,983,328	769, 462	58, 150

Value of granite produced in United States in 1903 and 1904, by States and uses—Cont'd.

1904—Continued.

Crushed stor	te.				
Railroad ballast.	Concrete.	Rubble.	Riprap.	Other,	Total,
					\$2,500
50 \$3,936	\$20,180	\$15,050	\$2,550		52,616
31 171,569	223, 053	17,456	935	\$1,610	1,742,330
28					91,132
42 45, 183	76,272	7,812	24,886	10	854,784
38 94,976	638	3,380	700		245, 272
22 57,228	50,630	42, 285	300	600	942, 466
	18	96			5, 152
)5	7,206	3,970	3, 601	18,203	2,400,509
72 5,537	137, 102	31,155	3,881	5,878	815, 471
38 28,515	111,390	222,879	37,660	2,607	2,868,305
93	4,696	11,129	20	3,979	405, 956
				**********	440
19	38,692	400	2,030	4,470	155,716
	500	5,000		*********	33,890
					1,200
56	3,665	1,910	6, 515	1,880	927,487
79 74,567	114,527	14	2, 328	2,330	833, 518
16 58,590	41,400	30,135		1,075	622,986
66,783	4,454	3,801	746	1,025	297,749
			15,060	150	26,930
64 43,750	1,000	108,638	250		235, 213
90 112,693	317,110	6,971	318	3,408	900,530
78 35,025	39,875	3,120	248	55	684, 952
69 25,555	30,669	5,502	5, 480		382,428
					900
35	70,372		23, 594	485	348, 317
		5,000	368	*********	7,980
14 225	1,721	1,361	121	10,650	2,447,979
40 61,352	165,043	-40,524	7,630	500	510,788
29	58,612	196, 181	36, 481		422, 508
74 19, 128		1,151			724, 422
					557
904 610	1 510 005	764 000	125 200	59 015	19, 992, 988
66		904, 612 1, 518, 825			

The following table shows the value of the production of granite in the United States from 1900 to 1904, inclusive:

Value of granite produced in the United States, 1900-1904.

A DOMESTIC OF THE PARTY OF THE					
State.	1900.	1901.	1902.	1903.	1904.
Arizona			\$3,000	\$3,000	\$2,500
Arkansas	\$62,500	\$23, 554	12, 115	47,136	52,616
California	738, 993	1, 134, 675	1, 137, 679	1,627,592	1,742,330
Colorado	143, 054	138, 996	66, 023	100,791	91,132
Connecticut	507, 754	616, 654	812, 141	1, 101, 425	854, 784
Delaware	608, 028	671, 204	276, 753	369, 166	245, 272
Georgia	380, 434	761,646	803, 778	672, 947	942, 466
Idaho	2,450	5,100	12,910	2,750	
Indian Territory				4,030	5, 152
Kansas	30,000	48,530			
Maine	1,568,573	2, 703, 116	2, 659, 450	2, 586, 765	2,400,509
Maryland	486, 822	613,356	758, 203	837, 787	815, 471
Massachusetts	1,698,605	2, 216, 258	3, 451, 397	2,720,066	2,868,305
Michigan	3,957	2,706			*******
Minnesota	221, 684	260, 105	478, 989	403, 906	405, 956
Mississippi					440
Missiouri	139, 103	95, 806	157, 708	150, 409	155,716
Montana			77,050	25,993	33,890
Nevada	9,091	19,300	2,090	7,450	1,200
New Hampshire	870,646	935, 494	1,147,097	854, 513	927, 487
New Jersey	1,170,555	894, 167	948, 474	943, 171	833, 518
New York	446, 171	489,828	651,014	549,015	622, 986
North Carolina	257, 962	261,288	338, 750	218,947	297,749
Oklahoma				5,000	26, 930
Oregon	5, 313	10,754	38, 429	118,411	235, 213
Pennsylvania	396, 271	486,008	661,062	829, 535	900, 530
Rhode Island	444,316	501,698	734, 623	710, 291	684, 952
South Carolina	500, 802	996,084	598,848	476, 863	382, 428
South Dakota	114,115	99,941	(a)	(a)	900
Texas	76,069	27,005	60,003	173, 325	348, 317
Utah	2,170	5,588	1,479	3,803	7,980
Vermont	1,113,788	1,245,828	1,570,423	1,810,179	2,447,979
Virginia	211,080	275, 701	282,046	299, 335	510,788
Washington	48,900	43,808	147,273	209,095	422, 508
Wiseonsin	407, 711	389,953	369,137	573, 391	724, 422
Wyoming	8,700	2,810			557
Total	12, 675, 617	15, 976, 961	18, 257, 944	18, 436, 087	19, 992, 983

a Value of quartzite included in sandstone.

The following tables show the value of the trap rock produced in the United States in 1903 and 1904, by States and uses:

Value of trap rock produced in the United States in 1903 and 1904, by States and uses.

1903.

	m		.C	rushed ston	ie.		
State.	Build- ing.	Paving.	Road mak- ing.	Railroad ballast.	Concrete.	Other.	Total.
California	\$152,383	\$25,120	\$71,538	\$22,977	\$193,731	\$577	\$466, 326
Connecticut	11,620	22, 426	114, 986	34, 164	46, 288		229, 484
Massachusetts	51, 392		212, 127	23,322	82, 168	30	369, 039
New Jersey	14, 611	39,704	575, 338	86, 109	100, 224	3,050	819,036
New York			283, 480	40,000	65, 945		389, 425
Pennsylvania	9, 336	5,476	129, 324	180, 225	129, 991	4, 632	458, 984
Total	239, 342	92,726	1, 386, 793	386, 797	618, 347	8, 289	2,782,294
			1904.				
California	\$34, 814	874, 464	\$150,965	\$106,403	\$194,614	\$655	\$561, 915
Connecticut	4,061	1,456	175, 528	45, 183	70, 222		296, 450
Massachusetts	25, 022		203, 958	11,628	72,949		313, 557
New Jersey	14,003	28, 535	566, 679	72,877	112, 127	2,100	796, 321
New York	1,750		352, 251	58, 500	13,800		426, 301
Pennsylvania	5, 541	7,923	202, 691	105, 693	106,685	469	429,002
Total	85, 191	112, 378	1,652,072	400, 284	570, 397	3, 224	2, 823, 546

From the above tables it will be seen that the value of trap rock increased \$91,252, from \$2,732,294 in 1903 to \$2,823,546 in 1904. The increase was in crushed stone and paving stone, and from California, Connecticut, and New York; a decrease in value appearing from Massachusetts, New Jersey, and Pennsylvania.

In 1904 an endeavor was made to compile statistics showing the number of paving blocks made, as well as their value, and the following table gives the results obtained. In some cases, notably in Virginia, the number of blocks was based on an estimate, but the greater part of the figures were those given by the quarrymen themselves.

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Number and value of paving blocks produced in 1904.

The same of the sa	Paving b	locks.
State.	Number.	Value.
California	5, 524, 250	\$252,05
Colorado	53, 150	4,000
Connecticut.	1,464,656	49, 35
Delaware	366, 475	13, 031
Georgia	6, 677, 265	250, 896
Maine	9, 808, 465	426, 463
Maryland	983, 575	46,86
Massachusetts	5, 678, 562	320, 714
Minnesota	1,004,325	66,000
Missouri	697,852	31,786
Montana	60,000	3,000
New Hampshire	1,892,260	65, 15
New Jersey	1, 246, 100	28, 53
New York	330,000	15,500
North Carolina	417,700	15, 807
Oregon	190,000	7,000
Pennsylvania	677,688	30, 643
Rhode Island	1, 138, 190	47,82
South Carolina	163, 825	5, 94
Vermont	382, 758	14, 74
Virginia	1,032,200	30, 96
Washington	100,000	3,000
Wisconsin	4, 277, 333	254, 05
Total	44, 176, 629	1, 983, 324

The paving blocks vary in price from \$15 per thousand to about \$80 per thousand, according to size and to regularity of shape.

In many cases, especially in the New England States, the paving blocks are cut from the refuse stone of the larger quarries, the cutter paying a small value for the rough stone, or paying a certain amount for every thousand cut. In some cases these men go around the country and blast and trim up bowlders and sell the blocks in case there is a demand for them. Many of these men are foreigners, and it is almost impossible to get a record of either the number or the value of the blocks they make except through the firms to which they sell, which are often the large quarrymen.

SANDSTONE.

The total value of the sandstone output in the United States in 1904 was \$10,295,933; in 1903 the value was \$11,262,259, a decrease of \$966,326 for 1904. In 1903 there was an increase of \$661,088 as compared with 1902, when the value was \$10,601,171. These figures include bluestone quarried in New York and Pennsylvania, valued at \$1,791,729 in 1904 and at \$1,779,457 in 1903, an increase in 1904 of \$12,272. The sandstone output, not including bluestone, decreased from \$9,482,802 in 1903 to \$8,504,204 in 1904, a loss of \$978,598. In 1903 there was a slight increase over the figures for 1902.

The decrease was in the value of stone used for building purposes, which, including dressed and rough stone, was valued at \$6,403,969 in 1903 and at \$5,162,158 in 1904, a decrease of \$1,241,811. The greater part of this decrease was in the State of Pennsylvania, which, on account of a decreased quantity of stone used for railroad bridge construction, showed a smaller output than in 1903.

Crushed stone increased in value from \$827,585 in 1903 to \$1,041,493 in 1904, an increase of \$213,908, the increase being in the stone used for railroad ballast and roadmaking.

Stone used for riprap, rubble, paving, and flagstones decreased somewhat in value of production, while stone used for curbing increased somewhat in value.

In Pennsylvania, the State showing the largest value for sandstone, the value of the output decreased from \$3,255,073 in 1903 to \$2,641,510 in 1904, a loss of \$613,563. This loss was chiefly in the value of stone used in construction of railroad bridges.

Ohio, the next State in rank as a sandstone producer, increased very slightly in 1904 in value of output—from \$1,793,379 in 1903 to \$1,808,062 in 1904, or a gain of \$14,683.

The output of New York, the third State in rank, like that of Ohio, remained practically the same during the two years, being valued at \$1,756,501 in 1903 and at \$1,755,524 in 1904. The greater part of the New York output is bluestone, the value of which was reported as \$1,026,968 in 1903 and as \$1,044,314 in 1904.

California is the next State in rank, with an output valued at \$735,662 in 1904 as compared with \$762,327 in 1903, a decrease of \$26,665.

Of the other sandstone-producing States Arizona showed the greatest change, the output declining in value from \$526,875 in 1903 to \$91,960 in 1904, a decline due to less railroad construction work.

The figures reported from Hawaii are for tufa stone used for road ballast, railroad work, and concrete.

The following tables show the value of the sandstone production of the United States in 1903 and 1904, by States and uses:

. Value of sandstone produced in the United States in 1903 and 1904, by States and uses.

1903.

- 177, 11 3 3 3			C	rushed stone	e.		
State.	Rough building.	Dressed building.	Road- making.	Railroad ballast.	Concrete.	Ganister.	Riprap.
Alabama	\$2,800	\$6,000					\$13,995
Arizona	7,000	425,000		\$625	\$12,500		50,000
Arkansas	4, 415	3, 555	\$960	960	11, 156		1,881
California	20,450	517,000	49,750	15,000	16, 170		10, 100
Colorado	56, 192	13,075		30,000	7,635	\$18,975	2,000
Connecticut	115, 765	3,652					
Idaho	10, 787	1,069					
Illinois	16,319	4, 269				600	100
Indiana	19,062	4,910	5,000				1,280
Iowa	8,072	49	366	16			7,520
Kansas	15, 431	7,650	600	31, 250			500
Kentucky	51,997	23, 200	1,100				1,08
Maryland	795		1,375				
Massachusetts	72, 328	93, 360	157, 039	14,000	33,680		
Michigan	89, 931	10,365	2,050	2000	3,450		
Minnesota	41,359	39, 424	4, 500		16, 221		7,50
Missouri	23,511	14, 931	24	1			2,50
Montana	11,087	46,175		1000	165		2,450
Nebraska	1,000	-	30				
Nevada	100	2,000					
New Jersey	270, 253	91,721	1,750		200	Service Management	
New Mexico	1,955	1,758			250		
New York	131, 268	555, 379	5,000	1,500	22, 894		25, 58
North Carolina	600	Unach and			THE STATE OF THE S		
Ohio	471, 106	407, 170	32,080	300	5,908	5, 897	34, 42
Oklahoma	2,900	3,000	600		0,000	9,000	200
Oregon	1,654	798	- 97				30
Pennsylvania	550, 991	1,602,152	12, 919	185, 452	26, 442	143,639	46,79
South Dakota	50, 868	40, 895	500	500	5,000	150.28-17	7,11
Tennessee	600	19,536			93		1,000
Texas	18,795	19,455	7,000		15, 300		41,50
Utah	39, 958	12,031	100		200		201,000
Virginia	2,682	986	and the same		803		34000-5
Washington	1,100	32, 450			500		
West Virginia	57, 978	109, 469	The state of the s	8,125	1,617		2,28
Wisconsin	56, 699	18,870	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	260	165	18,578	1,25
Wyoming	11, 240	3,572		200	70,623	10,070	1,20
		11/25					
Total	2, 239, 048	4, 164, 921	289, 325	287, 988	250, 272	187, 689	260, 14

Value of sandstone produced in the United States in 1903 and 1904, by States and uses—Continued.

1903—Continued.

State.	Rubble.	Paving.	Flagstone.	Curbstone,	Other.	Total.
Alabama	\$15,021				\$5,117	\$42,933
Arizona	31,750	***********				526, 875
Arkansas	10, 286	\$3,993	83, 776	\$19,684	506	61,172
California	98,852	375		1,100	3,530	762, 327
Colorado	61, 288	2,962	168, 509	25, 689	2,807	389, 132
Connecticut						119,417
Idaho						11,856
Illinois	4,400		374	50	181	26, 293
Indiana	2,010	93	78	168	50	32,651
Iowa	2,502	170	190	121		19,011
Kansas	4,754	5,100	21, 141	15,502	200	102, 128
Kentucky	10,000		5,560	800		93,742
Maryland						2,170
Massachusetts	2,071					372, 478
Michigan	15, 554					121, 350
Minnesota	31, 186	187, 374	552	34, 210	928	363, 262
Missouri	5,060	15	1,482	1,639	240	49,402
Montana	1,759		1,260	4,140	1,000	68,036
Nebraska	. 10			************	27	1,067
Nevada	100	20		150		2,370
New Jersey			40	373		364, 337
New Mexico	2,032		500	1,015		7,510
New York	4, 237	356,788	231, 366	412,922	9,615	1,756,501
North Carolina						600
Ohio	65, 043		532, 046	230, 586	8,815	1,793,379
Oklahoma						6,500
Oregon	68					2,912
Pennsylvania	156, 818	83, 243	192, 225	228, 204	26, 191	3, 255, 073
South Dakota	23, 277	34,553		355	7/9/770	163,067
Tennessee	420				in contents	20,649
Texas	4, 425		1,200	5,425	1,275	114, 381
Utah	766	15,000	1,500	2,024	2,010	71,279
Virginia		20,000	2,000	-1,44		4, 471
Washington	11,000	1,800		1,080		47, 430
West Virginia	43,541	4,567	709	17,671	782	252, 204
Wisconsin	43,909	3,307	648	27,071	935	142, 445
Wyoming	4,794		1,000	620	200	91, 849
	The Asset of		1,000	020		01,010
Total	656, 933	696, 053	1, 164, 156	1,003,528	62, 199	11, 262, 259

Value of sandstone produced in the United States in 1903 and 1904, by States and uses—Continued.

1904.

			C	rushed ston	е.		*
State.	Rough building.	Dressed building.	Road- making.	Railroad ballast.	Concrete.	Ganister.	Riprap.
Alabama							\$6,796
Arizona	\$19,050	\$44,860			\$1,580		170
Arkansas	6,676	3,709	\$3,750		7,678		1,540
California	30,638	468, 701	76,000	\$36,221	375		1,620
Colorado	58, 386	27,596			4,655	\$5,000	5,08
Connecticut	108, 130	9, 255				10000	27
Hawaii			3, 133	10,000	8,909		
[daho	4,725	4,150					2
Illinois	16, 804	7,092	5, 105	50	9,430	600	52
Indiana	5,940	11,160					1, 15
Iowa	7,952	460	92	8			9
Kansas	22, 338	7,481	4, 175	44, 494	1:161		17
Kentucky	41,751	14,622	2,550	5000	400		60
Louisiana	24,102	1.4,0	810		500		- 00
Maryland	4,192	150	WAY		300	4,656	
Massachusetts	60,691	43, 950	155, 960	525	57, 254	1,000	
Michigan	47, 593	14,818	1,400	020	400.	**********	
Minnesota	10.		3,314	3,000			= 00
Missouri	6, 519 12, 553	57, 597 17, 130	0,013	3,000	/ 5,051 220	10	7,92
			100	***********		10.	6, 05
Montana	7, 683	45, 099	169	*******	1,500	**********	3, 18
Nebraska	90	0.000	400	*********	32		
Nevada	1,000	9,000	400			********	********
New Jersey	188, 613	28,700	5, 500	*********	1,613	**********	70
New Mexico	924	680	**********	130, 294	600		
New York	303, 053	318, 418	11,883	12,695	5, 337		4, 39
North Carolina		250		*********			********
Ohio	489, 464	374, 960	11,890	2,500	12,000	4,618	27, 21
Oklahoma	725	1,800		**********			********
Oregon	5, 505	123	1.11			*********	,
Pennsylvania	452,713	1, 133, 209	28, 122	165, 664	46, 755	101,525	57, 55
South Dakota	61,859	80, 260	5, 225	600	26,001		10,00
Fennessee	8,350	10,000	840		1,893		20
Texas	19,844	20,750			45, 356		116, 75
Utah	46,800	3, 443				******	
Virginia	300	500		12,672			
Washington	30,750	29, 080		2,500			5, 91
West Virginia	78, 384	98, 411	8,327	27,119	10, 682		7,56
Wisconsin	69, 485	35, 367	10, 204	2,100	*********	20,548	4, 59
Wyoming	14, 247	10,650	2,460		249		
Total	2, 228, 727	2, 933, 431	341, 420	450, 442	249, 631	136, 957	270, 14

Value of sandstone produced in the United States in 1903 and 1904, by States and uses—Continued.

1904—Continued.

State.	Rubble.	Paving.	Flagging.	Curbing.	Other.	Total,
Alabama	\$5,992					\$12,788
Arizona	26,000				\$300	91,960
Arkansas	3,950	\$5,056	\$4,008	\$25,543	2,040	63,950
California	58,625			180	63, 296	735, 662
Colorado	52,277	1,850	78,872	42,720	4,699	281,142
Connecticut		**********		40		117,696
Hawaii						22,042
Idaho	420				**********	9,320
Illinois	4,012	2,500	153	290	816	47,877
Indiana	3,780	72	195	384		22,681
Iowa	415		190	88	5	9,300
Kansas	3,658	980	25, 698	19,952	400	130, 516
Kentucky	13,800	2,949	11,750	3,200	2,000	93, 622
Louisiana	5,500	1,400		105		8,315
Maryland						8,998
Massachusetts	1,481				1,000	320, 861
Michigan	10,657					74, 868
Minnesota	24,834	160, 129	5, 751	44, 102	987	319, 209
Missouri	6,029		1,237	893	325	44,455
Montana	3,623		2,280	550	171	64, 232
Nebraska	20					. 142
Nevada				158		10,558
New Jersey	10,000		500	800		236, 426
New Mexico	842		50			133, 390
New York	15,780	271, 540	249, 432	551,889	11,600	1,755,524
North Carolina						250
Ohio	71,808	500	512, 381	296,589	-4,135	1,808,062
Oklahoma	400		**********	70		2,995
Oregon					447	6,186
Pennsylvania	99,947	72,761	227, 318	246,658	9, 282	2,641,510
South Dakota	23,606	122,665	375	6,114	2,205	338,970
Tennessee	2,490	60		65	970	24, 868
Texas	6,000	35	65	420	90	209, 313
Utah	2,705	12,400	100	4,020	700	70,168
Virginia	50				**********	13,522
Washington	10,940	9,000				88, 185
West Virginia	42,862		1,490	14,599	2,947	287, 381
Wisconsin	14,360	165	268	23	1,392	158,503
Wyoming	2,240		750	40	350	30,986
Total	529, 103	664,062	1,122,863	1, 258, 992	110, 157	10, 295, 933

The following table shows the value of the sandstone production in the United States from 1900 to 1904, inclusive, by States:

Value of sandstone production in the United States, 1900-1904, by States.

-)					
State.	1900.	1901.	1902.	1908.	1904.
Alabama	\$7,132	\$8,680	\$42,706	\$42,933	\$12,788
Arizona	64,000	202, 500	107,910	526, 875	91,960
Arkansas	104, 923	62,825	85, 917	61,172	63, 950
California	200,090	301,028	462, 328	762, 327	735, 662
Colorado	119,658	237, 331	366, 161	389, 132	281, 142
Connecticut	192,593	146, 814	128, 579	119, 417	117, 696
Georgia	600		1,250		
Hawaii			6,688		22, 042
Idaho	438	20,843	13,777	11,856	9,320
Illinois	19,141	12,884	32, 200	26, 293	47, 377
Indiana	45,063	28,334	37,593	32,651	22, 681
Iowa	19,063	14,341	15,061	19,011	9,300
Kansas	55,173	49,901	105, 509	102,128	130, 516
Kentucky	56,178	108, 259	128, 470	93,742	93, 622
Louisiana	a 118, 192				8, 315
Maryland	6,655	4, 546	15, 405	2,170	8, 998
Massachusetts	153,427	247, 310	487, 366	372, 478	320, 861
Michigan	238,650	174, 428	188,073	121,350	74,868
Minnesota	267,000	246, 685	847, 472	363, 262	319, 209
Missouri	53,401	42, 170	56, 990	49,402	44, 455
Montana	59,630	58, 439	85, 152	68,036	64, 232
Nebraska		515	168	1,067	142
Nevada			6,115	2,370	10,558
New Jersey	198, 234	244, 512	406, 726	364, 337	236, 426
New Mexico	2,500		12, 291	7,510	133, 390
New York	61,467,496	b 1, 331, 327	61,408,699	61,756,501	b1,755,524
North Carolina	27,210	11,682	4,825	600	250
Ohio	2, 233, 596	1,999,180	2,078,754	1,793,379	1,808,062
Oklahoma			1	6,500	2,995
Oregon	5, 450	581	25, 309	2,912	6,186
Pennsylvania	b 1,050,248	b 2,063,082	b 2, 800, 108	b 3, 255, 073	b 2, 641, 510
South Dakota	12,675	17,647	110,789	163,067	338,970
Tennessee	11,300	10,342	7,670	20, 649	24,868
Texas	37,038	111,568	165, 565	114,381	209, 313
Utah	66,733	38, 919	105, 011	71,279	70, 168
Virginia	6,000	5, 303	2,500	4, 471	13,522
Washington	68,133	89, 174	30,725	47,430	88, 185
West Virginia	72,438	103,010	423, 532	252, 204	287, 381
Wisconsin	81,571	90, 425	207,086	142, 445	158,503
Wyoming	27,671	54, 145	90,691	91,849	30,986
Total	7, 149, 300	-	10 601 171		10, 295, 933
1081	7, 149, 300	8,138,680	10,601,171	11, 262, 259	10,290,988

a Includes Mississippi.

b Includes bluestone.

29,842

40.267

64, 146

79,001

747, 415

1,791,729

The following table shows the value and uses of the bluestone produced in New York and Pennsylvania in 1903 and 1904:

Value and uses of bluestone produced in New York and Pennsylvania in 1903 and 1904.

1903.

State.	Building purposes.	Flagging.	Curbing.	Crushed stone.	Other purposes.	Total value,
New York	\$588,015	\$205,558	\$230,345		\$3,050	\$1,026,968
Pennsylvania	323, 763	173,701	126, 593	\$45,971	82, 462	752, 489
Total	911,777	379, 259	356, 938	45, 971	85, 512	1, 779, 45
		1904	L.	100	de la company	A ME
New York	\$482,908	\$241,062	8295, 064	\$10,425	\$14, 855	\$1,044,314

SLATE.

149, 491

444,555

216, 251

457, 313

287, 685

770, 593

Pennsylvania

Total

In 1903, owing to strikes and various troubles in the building trades, the production of slate in the United States suffered somewhat of a check, the chief slate producers reporting for the last months of that year a much decreased demand. These conditions held also for the beginning of 1904, and the output for 1904 was less on that account. The total value of the output in 1903 was \$6,256,885, and in 1904 it was \$5,617,195, a decrease of \$639,690. In 1903 the increase in value of production was \$560,834, from \$5,696,051 in 1902 to \$6,256,885 in 1903.

In 1903, as compared with 1902, there was a decrease in the number of squares of slate produced with an increase in their value, the output being 1,435,168 squares valued at \$4,950,428 in 1902, and 1,378,194 squares valued at \$5,400,078 in 1903, an increase in value of \$449,650 and a decrease in the number of squares of 56,974.

In 1904, as compared with 1903, there was a decrease both in the number of squares and in their value from 1,378,194 squares of slate valued at \$5,400,078 in 1903 to 1,233,757 squares valued at \$4,669,289 in 1904, a loss of 144,437 in the number of squares produced and of \$730,789 in their value. The average price per square was \$3.91 in 1903 and \$3.78 in 1904, a decrease of 13 cents per square, though the prices remained much steadier in 1904 than in 1903.

The value of milled stock increased \$91,099 in 1904 as compared with 1903, from \$856,807 in 1903 to \$947,906 in 1904. All the producers reported a good demand for this class of slate, although Pennsylvania was the only State showing any advance in value. In 1904

Georgia, Tennessee, and Utah reported a small output from quarries not worked for commercial purposes in 1903. New Jersey reported no production. Work was done on the development of quarries in Arizona, Colorado, North Carolina, and West Virginia, the slate in Arizona being first discovered in 1904.

The following table shows the value of roofing and milled slate quarried in the United States in 1903 and 1904, by States:

Value of roofing and mill slate produced in the United States in 1903 and 1904, by States.

1903.

	Roofing	slate.	Value of	Total
State.	Number of squares.	Value.	milled stock.	value.
Arkansas	118	\$709	\$4,000	84, 709
California	10,000	70,000		70,000
Maine	27, 377	157, 911	73, 319	231, 230
Maryland	24, 475	135, 424	2,207	137, 63
New Jersey	THE RESERVE OF THE PARTY OF THE	33, 403		33, 400
New York	15,690	89, 548	22, 450	111, 99
Pennsylvania	871, 875	3, 378, 804	581, 102	3, 959, 90
Vermont		1,418,928	173,729	1,592,650
Virginia	29,646	115, 356		115, 85
Total	1,378,194	5, 400, 078	856, 807	6, 256, 88
Arkansas		\$10,300	\$4,000	\$14,30
California	5, 600	39, 200	\$4,000	39, 20
California		39, 200 4, 500		39, 20 4, 50
Arkansas California Georgia. Maine	5,600 1,000 20,789	39, 200	60, 330	39, 20 4, 50 181, 16
California	5,600 1,000 20,789 22,628	39, 200 4, 500 120, 838 131, 245	60, 330 2, 727	39, 20 4, 50 181, 16 133, 97
California	5,600 1,000 20,789 22,628 10,022	39, 200 4, 500 120, 838 131, 245 64, 102	60, 330 2, 727 7, 441	39, 20 4, 50 181, 16 133, 97 71, 54
California Georgia Maine Maryland New York Pennsylvania	5,600 1,000 20,789 22,628 10,022 778,825	39, 200 4, 500 120, 838 131, 245 64, 102 2, 922, 259	60, 330 2, 727	39, 20 4, 50 181, 16 133, 97 71, 54 3, 633, 24
California Georgia Maine Maryland New York Pennsylvania Tennessee	5,600 1,000 20,789 22,628 10,022 778,825	39, 200 4, 500 120, 838 131, 245 64, 102 2, 922, 259 607	60, 330 2, 727 7, 441	39, 20 4, 50 181, 16 133, 97 71, 54 3, 633, 24 60
California Georgia Maine Maryland New York Pennsylvania Tennessee	5,600 1,000 20,789 22,628 10,022 778,825 115 50	39, 200 4, 500 120, 838 131, 245 64, 102 2, 922, 259 607 300	60, 330 2, 727 7, 441 710, 987	39, 20 4, 50 181, 16 133, 97 71, 54 3, 633, 24 60 30
California Georgia Maine Maryland New York Pennsylvania Tennessee Utah	5,600 1,000 20,789 22,628 10,022 778,825 115 50 361,126	39, 200 4, 500 120, 838 131, 245 64, 102 2, 922, 259 607 300 1, 245, 730	60, 330 2, 727 7, 441	39, 20 4, 50 181, 16 133, 97 71, 54 3, 633, 24 60 30 1, 408, 15
California Georgia Maine Maryland	5,600 1,000 20,789 22,628 10,022 778,825 115 50 361,126	39, 200 4, 500 120, 838 131, 245 64, 102 2, 922, 259 607 300	60, 330 2, 727 7, 441 710, 987	39, 20 4, 50 181, 16 133, 97 71, 54 3, 633, 24 60 30

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	1898	\$3,42
1891	3.49	1899	3.14
1892	3, 56	1900	3.01
1893	3.55	1901	3.15
1894	3.11	1902	3.45
1895	3. 23	1903	3.91
1896	3.36	1904	3.78
1897	3.09	SECTION SERVICE STATE OF THE SECTION SERVICES	

The following table shows the total value of the slate production of the United States from 1900 to 1904, inclusive:

Value of slate produced in the United States, 1900-1904.

State.	1900.	1901.	1902.	1903.	1904.
Arkansas			\$4,000	\$4,709	\$14,300
California	\$26,500	\$18,608	31,500	70,000	39, 200
Georgia	9,375	3,000	4,000		4,500
Maine	177,342	202, 325	206, 558	231,230	181,168
Maryland	128,673	105, 798	118,084	137,631	133, 972
Minnesota	700	1,400			
New Jersey	13,600	30,000	32,000	33,403	
New York	62,755	100,960	126,718	111,998	71,542
Pennsylvania	2,713,598	2,984,264	3,547,322	3, 959, 906	3, 633, 246
Tennessee	250				607
Utah					300
Vermont	917, 462	1,162,191	1,464,918	1,592,652	1,408,151
Virginia	190, 211	178, 979	160, 951	115, 356	130, 208
Total	4,240,466	4, 787, 525	5,696,051	6, 256, 885	5, 617, 195

The following table shows the value per square at the beginning of 1905 of the various kinds of No. 1 slate. The figures were compiled from information sent in by the producers and represent the value free on board at the quarry:

Value per square January 1, 1905, of No. 1 state free on board at quarry.

				syl-				Penr	sylva	nia.					Verm	ont.		
Number per square.		No. 1.		Maryland and Pennsyl vania Peach Bottom.		No.1.		No.				fad-	ing		0.5	sen		
r squ		Z	ed.	nd F	-	OOD D	1.			100	,	Slatington unfad- ing big bed.	Franklin unfading big bed.			etre		
r pe		, Me.,	New York red.	nd a Pead	Bangor No. 1.	Bangor ribbon		gyl.	in.	Danielsville.	am.	on	n n g be	100	en.	Intermediate green.	Purple vefn.	-
mbe		Monson,	V YC	ylan	igor	gor	Albion No.	Pen Argyl.	Hard vein.	iels	Chapman.	ingri	nkcli bij	Unfading.	Sea green.	erm	ple	Virginia.
Nur	Size.	Moi	Nev	Mar	Bar	Bar	Alb	Pen	Har	Dar	Cha	Slat	Fra	Uni	Sea	Int	Pur	Virg
-	Inch.			1														
	9× 7			Control of				*****										
	10×7 10×8																	
	11× 8			COUNTRIES														
534	12× 6	4, 50	9, 50		\$4.50		84, 25	\$4.00	\$3,50			83. 95	83.50	(4.50	\$2.50		\$2.50	
						A SALIS							(C) (C)	[4.00	Paramont.		Mariana	1075-10
458	12× 7	5.00	9.50		4.50		4. 25	4.25	3.50				3.75	4.00	2.50			
400	12× 8	5, 50	9, 50		4,50	\$4, 25	4, 25	4.25				3, 75	4.00	[4, 50	V 301 1970			
														[4, 00	1			
	12× 9													4.00	1 2 95		3, 25	*****
	12×10		The second second	A Committee of the		H 0414180								4.50	3, 25		3.15	
	12×12 14×7							4.4.4.4.					4.50	5 05	9 05		9 95	
	14× 8															Total Control	L. Carlotte	******
	14× 9													5.25		2.60	3.50	
	14×10				4.75	4, 25	4, 50	4, 50	****							75100000	11120000011	*****
	14×12		100				*****		*****		1000	14 75)		3.00	2.00	5, 50	
	14×14											4. 50						
277	16× 8	7.20	11.00	6,35	5.75	4.25	5.00	4.75	4.50	\$4,25	85, 25		5,00	50.25	3.50	2,90	3,50	55.00
	16× 9													12.		2,90	3,50	
	16×10					4.25	5.00	4, 75					5.00	5, 25	3.70	2.90		
	16×11 16×12	1			POST TO A C	4.00	4 25	4.50			•••••	Principal Control	5 00	5 95	9 70	2 90		
	16×16													0.20	0.70			
	18× 9																	*****
	18×10 18×11	Art Land		6.35	5.25	4.25	5.00	4, 75										
	18×12			6.25	4,50	4.00	4. 25	4.50					5.00	5.25		15000000000000000000000000000000000000		*****
	18×18				6.00													
170	20×10	6.80	11.00	6, 35	5.25	4.00	5.00	4.75	4.50			4, 75	5.00	5.50 5.25		2, 90	4,00	
	20×11													(or. 20	3.80	2,90	3.80	
142	20×12	6. 90			4.50	4.00	4, 25	4.50						5, 25	3.80	2.90	3,80	
121	20×14	6, 90										4.50	4.75	U SHEET,		2,90		******
138	22×11	6, 50		6.25	4.75	4.00	4.50	4.50	4.25			4.50	4.75	5. 25 4. 50		2.90	4.00	
197	22×12	6 60		6.25	4.50	4.00	4.95	4 50				4 50	4.65	[5, 25	1 0 00	2 90	3 80	
					1,00	2,00	1. 20	1.00	*****		*****	3.00	1.00	4.50	1			
	22×14				*****	*****	2000	*****	*****	****			*****	(5. 25	1	,=mane	1 10 200	
115	24×12	6.60		6, 25	4.50	4.00	4, 25		4.00			4. 25	4.50	4.50	4 (1)	2.90	4.00	
	24×14		12 1 3 m P 1 1 1 1 1	6.00	4.50	3, 80	4, 25	4, 25			****	4, 25	4.50	4.50		promote a	3, 20	
	26×14 28×14																4.00	
-		10000	1		1	and a	100000	210	1	o tract	Section	la thi	1		1.00	and the s	34.300	

A "square" of slate is the number of slate required to lay 100 square feet of roof, allowing a 3-inch lap. The estimated weight of roofing slate of ordinary thickness is 650 pounds to the square, and the slate is generally shipped in carload lots of from 50 to 90 squares per carload.

The prices per square vary from month to month, and the freight rates vary according to place of shipment, ranging from \$1 to \$1.75 per square to places west of Pittsburg and east of the Mississippi River, and to nearly \$8 per square delivered in San Francisco.

EXPORTS.

The exports of roofing slate increased, according to the figures of the Bureau of Statistics, Department of Commerce and Labor, from \$628,612 in the fiscal year ending June 30, 1903, to \$726,715 in 1904, an increase of \$98,103. There was a slight increase in the slate exported to the United Kingdom, which was valued at \$477,251 in 1903, and at \$515,085 in 1904.

The figures for the fiscal year are used in the following table instead of for the calendar year, because the details by ports and customs districts are not given by the Bureau of Statistics for any other periods except fiscal years.

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, in the fiscal years 1895-1904.

Port and customs district.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
Baltimore, Md	*****	\$9,860	\$101,581	\$170,916	\$99,083	\$110,049	\$135, 571	\$240,734	\$221,933	\$275, 393
Bangor, Me		350				577	1,144	449	1,170	30
Belfast, Me						*******		375		
Boston and Charles- town, Mass	\$443	609	1,020	385	40, 622	65, 531	93, 972	48, 299	30, 273	29, 175
Newport News, Va			18,170	65, 290	42, 220	19,950	12,910	6,650	350	
New York, N. Y	31,092	242, 559	557,099	986,638	968, 395	592, 288	388, 590	374, 264	207, 250	284,750
Passamaquoddy, Me	192		120					160		
Philadelphia, Pa		2,300	94,865	136,916	205,779	150, 254	236,090	243,701	120, 240	97, 247
Portland and Fal- mouth, Me	1		270							378
Brazos de Santiago, Tex					14					
Corpus Christi, Tex.	105	174		1,761				44		505
New Orleans, La										
Paso del Norte, Tex.								20		580
Puget Sound, Wash.				22	67		1,436	1,343	1,504	1,445
San Diego, Cal					7					
San Francisco, Cal								*******	1,222	
Arizona							20	790		
Buffalo Creek, N. Y.	4,748	5,903	2,378	4,141	6,364	6,584	19, 193	18,014	35, 185	29,034
Champlain, N. Y	1,961	1,617	613	3,015	937	2,320	2,446	6,561	5, 771	4,185
Detroit, Mich	65	2,874	2,427	854	129	1,441	380			669
Huron, Mich						424				

Exports of slate from the United States, showing ports and customs districts from which and to which sent, in the fiscal years 1895–1904—Continued.

Port and customs district.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904,
Memphremagog, Vt. North and South			•••••				\$644	\$246		
Dakota Oswegatchie, N. Y				\$137		\$612 487	942 4, 915	3,702	\$3,714	\$3,007
Vermont	\$200	\$139	\$1,569			26	9			317
Total	38, 806	266, 385	780, 112	1,370,075	\$1,363,617	950, 543	898, 262	945, 352	628, 612	726, 715
Belgium					524				89	
France										379
Germany		910	5,850	82,916	65,974	17, 921	5,180	1,555	*******	1,440
Netherlands			2,087	25	520		600	1,400		8, 298
United Kingdom	3,000	197, 440	695, 980	1,218,377	1, 188, 962	813, 918	727,088	731, 556	477, 251	515, 085
Denmark				8,150	25, 323	25, 437	43,844	47, 957	17,376	32,512
Norway and Sweden			*******	270	669	859	1,857	25		
Bermuda	1,550	2,312	1,395	157	230	202	8,222	443	765	378
Dominion of Canada:	1/2			STATE OF		21-179	II MEL		1.1194	THE PERSON NAMED IN
Nova Scotia, New Bruns- wick, etc	406	1,278	730		288	798	1,269	532	1,183	240
Quebec, Ontario,	6, 974	10, 533	6,977	8,147	7,430	11,894	27,587	28,600		37, 242
British Colum- bia	128	MI SI	butas	22	67		2,378	1,848		1,445
Newfoundland and Labrador	13					30				59
Central American States:										Later L
Costa Rica								1,268	428	
Guatemala	1000000			1,755						
Honduras			Contract of	4,000	10000 W.T.					
Nicaragua					***************************************	12275	******	******	*****	115
Mexico		821	150	1 070	330		00	054	4770	
	900	821	100	1,872	330	******	20	854	479	1,085
Miquelon, Langley, etc				35			60			
West Indies:										
British	4, 419	1,159	1,860	2,356	1,400	2,049	1,067	6,609	4,724	4,212
Haiti	*****		******	26		332			52	1.32
Santo Domingo .	10		*******	*******			******			
Cuba	3, 258	90	*******	678	16					
Brazil	*****			*******						761
Colombia		259	100			285				
Ecuador										251
Guianas:	1								processes a	
British	702	440	165	600				18		BE S
Dutch	340		1,640			650		365	1,399	
Peru	010		1,030	1,020	27.680			900	1,000	
			*******			1,000		********		
Uruguay	*****	417	*******	807		829	424	195		******
China			*******	110		******	******	*******		49
East Indies—British.		1,628						50	and the same	
British Australasia	17,363	34,970	60,604	44, 642	64, 434	71, 881	79,319	121, 921	75,976	120,832
British Oceania									1,222	
Hawaiian Islands		245	166		77					
British Africa, South	258	1,883	1,598	2,218	4,335	2,458	4,847	679	1,499	2,200
Portuguese Africa				42				2.3		
	90.000	000 000	moo			000	000			
Total	35, 806	266, 885	780, 112	1,870,075	1,363,617	950, 543	898, 262	945, 352	628, 612	726, 715

MARBLE.

The production of marble in the United States increased in value from \$5,362,686 in 1903 to \$6,297,835 in 1904, or \$935,149. The increase was in the dressed monumental stone and in the stone used for the interior of buildings.

The chief increase was from the States of Georgia, Massachusetts, Tennessee, and Vermont.

Alaska and Arkansas, with no production in 1903, reported small productions in 1904.

Builders' strikes to some extent disturbed the trade, but not so much as in 1903. There were also strikes at some of the principal quarries.

The following table shows the value of the marble produced in the United States from 1900 to 1904, inclusive, by States:

Value of marble produced in the United States 1900-1904, by States.

State.	1900,	1901.	1902.	1903.	1904.
Alabama	\$500		(a)	(a)	(a)
Alaska		\$4,500		**********	(4)
Arizona	5,000	300		(a)	(a)
Arkansas		300	(a)		(a)
California	17,500	6,642	\$92, 298	\$78,329	\$87,659
Connecticut			(a)	(a)	(a)
Georgia	631, 241	936, 549	660, 517	565,605	690, 714
Idaho	1,250				
Maryland	70,000	68,100	(a)	83,672	73,814
Massachusetts	130, 735	126, 546	165, 489	154, 228	183, 388
Missouri	900	2,100		(a)	(a)
Montana	1,200	1,500	(a)		
New Mexico	4,500	10,600	(a)	(a)	4,250
New York	332, 518	379, 159	577, 298	748, 160	565, 983
North Carolina				4, 365	2,741
Oregon		500			
Pennsylvania	151,167	157, 547	160, 423	93, 200	90, 390
Tennessee	424, 054	494, 637	518, 256	485, 905	505, 259
Utah	**********	320	(a)	3,200	3,950
Vermont	2, 484, 852	2, 753, 583	2, 628, 164	3, 011, 505	4,004,669
Washington	11,836	22,816	61, 176	40, 117	23,098
Wyoming,				3, 100	2,000
Other States			b 180, 561	c 91, 300	d 59, 910
Total	4, 267, 253	4, 965, 699	5, 044, 182	5, 362, 686	6, 297, 837

a Included in "Other States."
b Includes Alabama, Arkansas, Connecticut, Maryland, Montana, New Mexico, and Utah.
c Includes Alabama, Arizona, Connecticut, Missouri, and New Mexico.
d Includes Alabama, Alaska, Arizona, Arkansas, Connecticut, and Missouri.

The following table shows the various uses to which the marble quarried in 1900, 1901, 1902, 1903, and 1904 was put:

Distribution and value of output of marble in 1900, 1901, 1902, 1903, and 1904 among various uses.

Use.	1900.	1901.	1902.	1903.	1904.
Sold by producers in rough state	\$491,813	\$591,667	\$2,276,629	\$2,454,263	\$2,599,055
Dressed for building	1,080,969	1,236,023	1,038,102	1,111,072	988, 671
Ornamental purposes	13,754	126,576	7,300	51, 359	21,55
Dressed for monumental work	2,019,474	1,948,892	956, 870	1,062,339	1, 211, 389
Interior decoration in buildings	555,092	1,008,482	679, 913	663, 558	1, 257, 963
Other uses	106, 151	54,059	85, 268	20, 100	219, 200
Total	4, 267, 253	4, 965, 699	5,044,082	5, 362, 686	6, 297, 835

The following table shows the value of the marble produced in the United States in 1903 and 1904, by States and uses:

Value of the marble product, 1903 and 1904, by States and uses.

1903.

		Rough.			D	ressed.			Other	
State.	Build-*	Monu- men- tal.	Other.	Build- ing.	Monu- men- tal,	Orna- men- tal.	Interior decoration.	Other pur- poses.	pur- poses.	Total.
Alabama										(a)
Arizona										(a)
California	\$6,879	*******		\$20,000	\$1,200		\$48,000	\$2,000	\$250	\$78,329
Connecticut					*******					(a)
Georgia	271, 432	\$198,223	\$50,000	25,000		\$18,000	2,950			565, 605
Maryland	28, 180	25,065	30, 427							83, 672
Massachusetts	5, 387		5,000	134,600		2,400	6,841	2011.11		154, 228
Missouri		*******			*******			******	******	(a)
New Mexico										(a)
New York	199,027		CANCELL !	862,040	179,434					748,160
North Carolina		4,365								4, 365
Pennsylvania	5, 090	200	194	56,866	27,000				3,850	93, 200
Tennessee	94,500		125, 279	134, 226	3,500		99,600	13,700	100	485, 905
Utah	200		2011		*********				******	3, 200
Vermont	485, 990		227, 400			18,850			1111111	3, 011, 505
Washington	7,500	800		14,761	3,847	12,009	1	200	******	40,117
Wyoming	********						3,100			3,100
Other States	6, 400		4,700	80,000	100	100				b 91, 300
Total	1, 110, 585	896, 604	450, 595	1, 107, 551	1,062,339	51, 359	663,553	15,900	4,200	5, 362, 686

Value of the marble product, 1903 and 1904, by States and uses-Continued.

1904.

		Rough.			D	ressed.				
State.	Build- ing.	Monu- men- tal.	Other.	Build- ing.	Monu- men- tal.	Orna- men- tal.	Interior decora- tion.	Other purposes.	Other pur- poses.	Total.
Alabama										(a)
Alaska										(a)
Arizona										(a)
Arkansas		*******								(a)
California	\$4,810	\$6,073		\$7,800		\$2,356	\$66,620			\$87,659
Connecticut					*******					(a)
Georgia	283, 223	227, 491	\$12,000	108,000					\$60,000	690, 714
Maryland	50,000	23, 814								73,814
Massachusetts	17,000		14,638	79, 472	\$1,500	2,000	30, 415	\$38,363		183,388
Missouri										(a)
New Mexico	600			450		200			3,000	4, 250
New York	89, 971	115,003	10,360	287,830	59, 323		3,500			565, 987
North Carolina					2,741					2,741
Pennsylvania	9,031	700	3,200	38, 459	24,000		10,000	5,000		90,390
Tennessee	53,450	15,000	149,850	50,000	12,000		215, 959	9,000		505, 259
Utah	200	750			3,000					3,950
Vermont	732,890	724, 812	6,520	397, 360	1, 100, 825	14,750	926, 969	100,543		4,004,669
Washington	5,000	3,000	1,100	4,000	5,000	498	3,000	1,500		23,098
Wyoming	2,000									2,000
Other States	36, 566			15, 300	3,000	1,750	1,500	1,800		0 59, 916
Total	1,284,741	1, 116, 643	197, 668	988, 671	1, 211, 389	21,554	1, 257, 968	156, 206	63,000	6, 297, 835

a Included in ''Other States.'' b Includes Alabama, Arizona, Connecticut, Missouri, and New Mexico. c Includes Alabama, Alaska, Arizona, Arkansas, Connecticut, and Missouri.

LIMESTONE.

The limestone production in the United States in 1904 was valued at \$31,996,415, in 1903 at \$31,537,991—a gain of \$458,424 in 1904. 1903 the total gain was \$1,306,988, from \$30,231,003 in 1902 to \$31,537,991 in 1903. In 1902 the increase over 1901 was \$3,824,106.

The comparatively small increases in 1903 and 1904 were due to labor troubles and strikes in the building trades. In 1904 the value of building stone decreased from \$4,981,241 in 1903 to \$4,543,760 in 1904, a loss of \$437,481.

The value of lime increased from \$9,255,882 in 1903 to \$9,817,451 in 1904, a gain of \$561,569.

The value of crushed limestone in 1904 was \$9,558,626, a gain of \$977,760 as compared with 1903, when the value was \$8,580,866.

The furnace flux decreased in value from \$5,423,732 in 1903 to \$4,702,768 in 1904, a loss of \$720,964.

The most important States in value of production were Pennsylvania, Ohio, Illinois, Indiana, Missouri, New York, and Wisconsin, in the order named, ranking as in 1903, except that Missouri and New York changed places.

A large quantity of limestone used for Portland cement is not included in the total.

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The lime industry has been somewhat affected by the use of cement plaster in place of lime.

The following tables show the value of the production of limestone in the United States in 1903 and 1904, by States and uses:

Value of the production of limestone in the United States in 1903 and 1904, by States and uses.

1903.

State or Territory.	Building purposes.	Flagging.	Curbing.	Paving.	Lime made.	Stone sold to lime burners.
labama	\$48,903			\$2,680	\$216, 894 1, 260	\$482
rkansas	74, 102			22,000	89, 337	
alifornia	25,000		\$140	25,000	381, 750	15,000
olorado	20,000		6110		43,042	10, 596
onnecticut			***********	*********	152, 568	10,000
lorida	10,000		**********	**********		***********
eorgia	2,850				44, 137	***************************************
daho	752	*********			62, 902	
		mad nom	************	000 000	18, 200	
llinois	359, 856	\$44,927	19, 233	288, 098	479, 801	1,63
ndiana	1,880,561	31, 184	126, 684	1,942	314, 206	***********
ndian Territory					800	
owa	196, 843	2,408	3,506	12, 469	98, 525	10
Cansas	138,779	6,057	12,457	5, 175	14, 460	2
Tentucky	172,774	2,589	19, 222	12, 300	40,988	
faine					791, 690	
faryland	8,361	340	5,129	1,479	320, 494	1,21
fassachusetts	3,715	1,000	********	*********	262, 815	
fichigan	36, 528	5, 150	250	49,000	218,609	132, 60
Innesota	318, 288	20,745	11,494	4, 843	66, 619	10
lissouri	447, 884	11,628	23, 791	11,734	641, 948	4,10
Iontana	2,200				21, 100	7,20
ebraska	54, 591	687	775	22	22,200	1,62
evada	01,001	007	7.10	2.0	9 400	1,02
lew Jersev	3, 260	***************************************	*********	*********	2,400	2
lew Mexico	0,200	***********			120,796	2
	404 740	T 070		**********	1,000	**********
lew York	401,742	5,259	9,703	250	535, 845	163,82
orth Carolina		***********		*********	600	•••••
)hio	320, 432	13, 230	51, 694	27,796	971, 011	36,30
klahoma	10,696	5, 256	530	**********	4,000	
regon	700				13,684	
ennsylvania	156, 783	3, 216	4,750	59, 818	1,431,863	19, 17
thode Island					38, 432	
outh Carolina					43, 830	**********
outh Dakota	375				13,051	
ennessee	81,769	1,047	11,670	925	198, 613	
exas	30,720	2,910	19,056	120	74,038	8
Itah	11,645			11	64,998	
ermont	6,110				180, 769	-
'irginia	5, 325				336, 461	1,66
Vashington	8,100				222, 052	4,89
Vest Virginia	81					
Visconsin	161,366	9,328	35, 083	15, 109	152, 947	13, 38
Vyoming		9,028	55, 085	15, 109	555, 314	4,18
Journa	150	*********	*********	*********	12,033	********

Value of the production of limestone in the United States in 1903 and 1904, by States and uses—Continued.

1903—Continued.

	Cr	ushed stor	ne	100	018			
State.	Road making.	Railroad ballast.	Concrete.	Rubble.	Riprap.	Flux.	Other purposes.	Total.
Alabama		\$400	\$60	\$300	\$5,000	\$444,735		\$719,404
Arizona								1,260
Arkansas	\$5,800	13		5,000	46, 376			242,628
California	75, 475	825	15, 945	1,200		5,705	\$90,086	611, 126
Colorado				30	4, 213	160, 240		218, 120
Connecticut						1,968		154,536
Florida		3, 256			7,500			64,893
Georgia		6,000	1,600					73, 352
Idaho								18, 952
Illinois	386, 685	588, 364	407, 774	265, 852	112, 433	246, 379	5, 231	3, 206, 271
Indiana	236, 467	42, 427	53,750	49, 364	15, 756	155, 209	27, 724	2, 935, 274
Indian Territory	650							1,450
Iowa	95, 306	13, 479	68, 699	99, 478	42,715		1,898	635, 431
Kansas	20,038	212, 140	24, 050	35, 180	19,779		6, 934	495,069
Kentucky	131, 122	264, 490	54, 708	968	14,272	16, 478	6,679	736, 590
Maine	1000		20,000				1,863	793, 558
Maryland	18, 102	15, 356	15,006	80		200	* 460	386, 226
Massachusetts	50	20,000	20,000			4, 891		272, 471
Michigan	61, 342	35, 340	48,504	710	800	15, 502	4,747	609,082
Minnesota	30, 210	11,800	67,030	110, 270	24, 994	250	9,447	676,090
Missouri	323, 920	330, 731	387, 005	180, 201	99, 497	22,060	32, 189	2,516,688
Montana	020, 020	000, 102	001,000	200,200	94	129,300		152, 694
Nebraska	8, 449	33,500	32,503	19,849	27, 538	8,080	100	187, 718
Nevada	0, 110	.00,000	02,000	20,020	27,000	0,000	200	2,400
New Jersey	1,271	*********	1,137	1,050		60,084	93	187, 711
New Mexico	1,211	*********	1,101	1,000		00,00%	50	1,000
New York	559,744	203, 820	470,650	68, 546	16,625	72, 113	35, 630	2,543,756
North Carolina	000, 744	200,020	270,000	00,010	10,020	12, 110	00,000	600
Ohio	548, 073	391, 998	135, 795	49,064	25, 982	668,778	80,514	3,320,672
Oklahoma	040,070	80,000	100, 100	2,583	20,002	000, 110	1,625	54, 690
Oregon		50,000		1,500	800		1,020	16,684
Pennsylvania	011 151	ese 917	546, 302	4,758		2,553,711	88,704	5, 775, 506
Rhode Island	211, 151	656, 317	040, 502	4, 100	00, 990	583	00, 104	39, 315
Commence of the Commence of th	850				,	100		44, 780
South Carolina	800		10.000	510		6,304	**********	39, 266
South Dakota	40 175	50 001	19,026	1000	2,828	136, 903	829	555, 574
Tennessee	13, 117	53, 221	42, 430	12, 172		1		
Texas	23, 898	27, 765	6, 968	13, 161	1,971	55,551 103,465	5,815	262, 053 190, 608
Utah	045		2,500		100	200	200	190, 724
Vermont	845	10 005	9, 238	*********	22	199, 989	200	569, 205
Virginia	300	16, 205	1,288		22	60, 703		297, 701
Washington	250	1,700					30	558, 024
West Virginia	014 100	148,446	er con	97 940	47 110	243, 135	The State of the Land	Condition to all the
Wisconsin	244, 132	18,009	67, 037	37,349	47,110	51,116	11,528	1, 256, 661
Wyoming	********		*********	•••••		********	**********	12, 183
Total	2, 997, 547	3,105,602	2,477,717	959,175	555, 365	5, 423, 732	422, 826	31,627,991

Value of the production of limestone in the United States in 1903 and 1904, by States, and uses—Continued.

1904.

State.	Rough building.	Dressed building.	Flagging.	Curbing.	Paving.	Lime made.	Stone sold to lime burners.
Alabama		\$34, 344				\$236, 805 12, 200	\$320
Arkansas	\$6,615	46, 765		\$830	***********	142,713	
California	2,400	30, 100		125	\$100	585, 486	49, 430
Colorado	2,400	**********		140	0.100	34, 360	18, 692
Connecticut		**********		**********		168, 107	10,002
Florida	778	8,000	*********			55, 085	*********
Georgia	110	0,000		*********		58,772	
THE RESERVE OF THE PARTY OF THE		Internation.		*********	*********		5, 900
Idaho	040 488	70.004	010 401	29 004	4 005	40, 142	30000000
Illinois	212,477	53, 804	\$18,401	17,084	4,985	461,068	7, 575
Indiana	1, 116, 928	942, 458	30,085	105, 151	9,658	351, 179	*********
Indian Territory		***********				194	
Iowa	149, 215	18, 259	3,556	5, 414	3, 181	91,008	15
Kansas	109, 152	48, 932	8,337	24, 706	726	10,770	*******
Kentucky	68, 826	65, 955	1,718	24, 980	1,500	25,880	
Maine						799, 517	
Maryland	12,836		80	241	715	309,079	2,466
Massachusetts	2,375					322,141	
Michigan	32,941	805			37, 665	258, 905	180, 683
Minnesota	108,798	102,819	11,104	6, 296	6,018	73, 763	4, 800
Missouri	139, 502	271, 416	7,712	8,477	2,400	597, 258	50
Montana	3,045					24, 150	*******
Nebraska	30, 969	1,592	165	261	12		9,57
Nevada						2,700	
New Jersey	3,025	150				150, 198	
New Mexico						3, 383	
New York	174, 099	42,803	4,708	7, 221	11, 147	396, 281	271, 10
North Carolina			********	********		4,800	
Ohio	272, 941	9, 291	4,669	3,563	4, 186	989, 693	448
Oklahoma	12,359	6,210	5,550	1,392		3,000	
Oregon	2,000	740	(19.000)	150		10, 191	2000100000
Pennsylvania	146,868	4,311	4.129	6,773	82, 502	1,587,673	22, 613
Rhode Island		27.77	1000000			31,871	10.10
South Carolina						32, 859	
South Dakota	926					23, 960	
Tennessee	19,039	10,410	400	4,997	1,000	217,064	100017-017-0
Texas	40,435	21,430	1,677	5,994	4,000	134, 316	10.10.10.10.10.10.10.10.10.10.10.10.10.1
	4,897	300	2,011	e/3 to to a		85, 500	17, 37
Utah Vermont	5,000	000				184, 681	11,00
Virginia		360		************		277, 519	*******
	8,800	360	*******	********	7 400		4.00
Washington	. 125	**********			1,486	216, 454	4, 90
West Virginia	. 10			TO TO:	10,000	184,060	13, 59
Wisconsin	. 156, 687	5,878	5,738	56, 591	19,389	670, 391	20
Wyoming	2,660	********		********		2,275	3, 90
Total	2,846,728	1,697,032	108,029	280, 246	186, 670	9, 817, 451	613, 64

Value of the production of limestone in the United States in 1903 and 1904, by State and uses—Continued.

1904—Continued.

	Crushed stone.				152			
State.	Road making.	Railroad ballast.	Concrete.	Rubble.	Riprap.	Flux.	Other.	Total.
Alabama	\$7,915	\$908	\$8,533		\$85,200	\$361,503		\$735,528
Arizona		.,					\$250	12,450
Arkansas	33,750	3, 100	2,200	\$12,012	800		75	248, 860
California	5, 650	3,100	5, 325			140	8,400	660,156
Colorado	******				3,150	102,758	*******	158,960
Connecticut						830	*******	168, 93
Florida	300	********		200	25,000			89, 36
Georgia		11,200	4,000				******	78, 973
Idaho			*********					46,04
Illinois	641,387	297,863	627, 942	357, 517	124,541	324, 998	2,248	3, 151, 89
Indiana	254, 258	77,923	51,002	40, 195	15,347	128, 556	17,939	3, 140, 67
Indian Territory		2,242	3,834				********	6,27
Iowa	53, 082	5, 549	76, 790	79,485	43,394		4,645	533, 593
Kansas	45, 949	418,438	56,785	52, 486	32,756		1,069	810,05
Kentucky	186, 796	280, 489	30, 959	9,690	8,494	9,420	3,590	718, 29
Maine							2,955	802, 47
Maryland	31, 144	34, 837	45, 166	265		34	637	437,50
Massachusetts						5, 191		329,70
Michigan	58, 655	57,100	60,745	2,800	2,405	62, 586	5,323	760, 61
Minnesota	43, 036	11,550	92, 910	92,830	29, 424	100	8, 255	591,70
Missouri	471, 254	437, 334	460, 767	255, 308	178,756	9,460	35, 533	2,875,22
Montana				250		106, 470		133, 91
Nebraska	16,065	34, 273	61,873	47,512	26, 297	5, 150	3,033	236, 78
Nevada								2,70
New Jersey	2,984			1,200		65, 922	3,423	226, 90
New Mexico	NEL CONTROL OF COLUMN							3, 38
New York	418, 661	257, 231	272, 471	20,755	9,461	130, 251	16, 342	2, 032, 58
North Carolina	12,088	HBM CO.						16,88
Ohio	765, 603	361,850	217, 961	21,311	97,794	588, 579	58, 159	3, 396, 04
Oklahoma	20	60,000		4,765	800		1,150	95, 24
Oregon		1001,000		2,500			34 000	15,58
Pennsylvania	344, 953	555, 839	381, 200	4,301	4,174	2, 058, 018	93, 069	5, 246, 45
Rhode Island	011,000	5557,500		30,732	14.500	312	1000	32, 18
South Carolina	125					100		83,08
South Dakota	120		2,400		600	28		27, 9
Tennessee	60,736	68,944	17, 324	13, 336	6,687	82, 573	2,607	505, 11
Texas	15,418	19,060	8, 171	7,624	66,930	64, 072	1,934	387,0
Utah	5,995	6,000	1,200	900	00, 500	138, 685	100	255, 9
		0,000	3,300	9		413	100	194, 3
Vermont	931	32,371	5,668	168		117, 882		442, 9
Virginia	210		0,008	100		65, 085	105	288,37
Washington	40.00	150	g1 00g				100	
West Virginia	42,965	98, 105	1000	44 000	20.004	244, 535	49, 643	644, 36
Wisconsin	195,057	17,546	129,965	41,039	30,084	30, 867	The state of the state of	1,409,07
Wyoming			1,100		180	3, 250	4,000	17, 30
Total	3,714,987	3, 153, 002	2,690,637	1,068,458	792, 274	4, 702, 768	324, 484	31, 996, 4
				1			The same of the sa	

The following table shows the production of limestone in the United States from 1900 to 1904, by States:

Value of limestone, 1900-1904, by States.

State.	1900.	1901.	1902.	1903.	1904.
Alabama	\$533,608	\$619,423	\$759,617	\$719, 404	\$735,528
Arizona	165	300		1,260	12, 450
Arkansas	71,407	68,319	113,163	242, 628	248,860
California	407, 489	645, 455	496,843	611, 126	660, 156
Colorado	160, 587	245,799	203,700	218, 120	158,960
Connecticut	148,060	140,424	205, 371	154, 536	168, 937
Florida	128, 381	51,870	63,571	64, 893	89, 363
Georgia	54, 451	85,629	111,589	73, 352	78,972
Idaho	34, 587	21, 251	15,074	18,952	46,042
Illinois	1,881,151	2,793,837	3, 222, 608	3, 206, 271	3, 151, 890
Indiana	2,344,818	2,993,186	2, 865, 691	2,935,274	3, 140, 679
Indian Territory				1,450	6,270
Iowa	586, 410	777,484	649,984	635, 431	533,593
Kansas	389, 466	478,986	670, 536	495, 069	810,056
Kentueky	178, 252	199,567	593, 747	736, 590	718, 297
Maine	691, 312	715, 272	745, 132	793, 553	802, 472
Maryland	317, 207	382,381	453, 030	386, 226	437,500
Massachusetts	209, 359	244, 039	339, 349	272, 471	329, 707
Michigan	425, 636	565,931	621, 380	609, 082	760, 613
Minnesota	441, 554	522,778	830, 857	676,090	591, 703
Missouri	1,079,343	1, 862, 272	1, 697, 139	2,516,688	2, 875, 227
Montana	141, 093	143,866	104, 725	152, 694	133, 915
Nebraska	107, 305	154,717	145,473	187, 718	236, 780
Nevada	107, 000	101, 111	2,800		2,700
New Jersey	170 000	309,738	181,650	2, 400 187, 711	226, 908
New Mexico	170,006	309, 138	181,690	1000	
New York	1 700 700	7 MOO MAD	0 410 707	1,000	3,385
North Carolina	1,730,162	1,738,716	2, 419, 121	2,543,756	2, 032, 536
	1 000 000	8,266	23,153	600	16,888
Ohio	1,969,387	2,606,502	3, 201, 718	3,320,672	3, 396, 045
Oklahoma	25, 586	32,497	50,541	54,690	95, 24
Oregon	10,900	24,520	20,133	16,684	15,581
Pennsylvania	3,800,318	5, 081, 387	5, 420, 287	5, 775, 506	5, 246, 42
Rhode Island	16,828	38,030	71,664	39, 315	32, 18
South Carolina	88, 415	28,500	1	44,780	33, 08
South Dakota	47,762	53, 780	86,605	39, 266	27, 91
Tennessee	238, 505	330, 927	482,033	555, 574	505, 113
Texas	124, 728	209,658	228, 662	262, 053	387,06
Utah	12,749	78,900	186,663	100,608	255, 947
Vermont	188, 100	205, 138	225, 703	190, 724	194, 33
Virginia	403, 318	539, 128	534, 113	569, 205	442, 978
Washington	249, 163	234, 587	213,814	297, 701	288,31
West Virginia	53, 701	447,049	616, 366	558, 024	644, 36
Wisconsin	989, 685	1,225,448	1, 351, 058	1, 256, 661	1, 409, 07
Wyoming	3, 065	1,340	6,340	12, 183	17, 36

The following table shows the quantity and value of blast-furnace flux produced in 1903 and 1904, by States:

Production of blast-furnace flux in 1903 and 1904, by States.

[Long tons.]

	1903,		1904.	
State.	Quantity.	Value.	Quantity.	Value.
Alabama	1,006,814	\$414,735	759, 331	\$361,503
California	8,410	5,705	140	140
Colorado	353, 849	160, 240	215, 101	102,758
Connecticut	3,698	1,968	2, 305	830
Illinois	491,542	246, 379	686, 958	324, 998
Indiana	400, 268	155, 209	298, 913	128, 556
Kentucky	33,836	16,478	18,070	9, 420
Maryland	490	200	78	34
Massachusetts	6,792	4,891	13,678	5, 191
Michigan	23,518	15,502	136, 293	62, 586
Minnesota	500	250	200	100
Missouri	25, 953	22,060	16,860	9, 46
Montana	229,000	129, 300	250,700	106, 476
Nebraska	10,150	8,080	10,300	5, 15
New Jersey	119, 294	60,084	130,071	65, 92
New York.	121,170	72, 113	230, 839	130, 25
Ohio	1,632,367	668,778	1,479,350	588, 57
Pennsylvania	5, 558, 051	2, 553, 711	4,727,632	2,058,01
Rhode Island	433	583	279	31
South Carolina	100	100	350	10
South Dakota	14,510	6,304	56	2
Tennessee	313,721	136,903	173, 740	82,57
Texas	96,884	55, 551	133, 651	64, 07
Utah	160, 432	103, 465	197, 647	133, 68
Vermont	400	200	413	41
Virginia	499, 108	199, 989	273, 826	117, 88
Washington	101, 161	60,703	117, 041	65, 08
West Virginia	708, 572	243, 135	711, 883	244, 53
Wisconsin	108,696	51, 116	66, 333	30, 86
Wyoming	***********		5,000	3, 25
Total	12,029,719	5, 423, 732	10, 657, 038	4, 702, 76

From this table it will be seen that both the quantity and the value of the limestone used for furnace flux decreased in 1904, which was due to the shutting down of the iron furnaces for a time during the year.

The greatest decrease was in Pennsylvania. The total output decreased from 12,029,719 long tons, valued at \$5,423,732, in 1903, to 10,657,038 long tons, valued at \$4,702,768, in 1904, a loss in 1904 of 1,372,681 long tons in quantity and of \$720,964 in value.

For the first time an attempt has been made to collect the figures showing the quantity of bulk lime burned in the United States during a calendar year, and the following table shows the results obtained:

Quantity and value of lime burned in the United States in 1904, by States.

[Short tons.]

State.	Quantity.	Value.	State.	Quantity.	Value.
Alabama	73, 700	\$236, 805	Nevada	150	\$2,700
Arizona	1,860	12,200	New Jersey	35, 127	150, 198
Arkansas	36, 424	142,713	New Mexico	472	3, 383
California	73, 540	585, 486	New York	101,810	396, 281
Colorado	7,789	34, 360	North Carolina	23,000	4,800
Connecticut	47, 241	168, 107	Ohio	279, 491	989, 693
Florida	9,072	55,085	Oklahoma	1,000	3,000
Georgia	20,804	58,772	Oregon	750	10, 191
Idaho	4,983	40, 142	Pennsylvania	567, 300	1,537,673
Illinois	108, 881	461,068	Rhode Island	4, 553	31,871
Indiana	107, 137	351, 179	South Carolina	7,302	32, 859
Indian Territory	30	194	South Dakota	3,700	23, 960
Iowa	13, 180	91,008	Tennessee	49, 695	217,064
Kansas	1,837	10,770	Texas	45,000	134, 316
Kentucky	9,830	25,880	Utah	19,000	85,500
Maine	186,881	799,517	Vermont	89, 653	184,681
Maryland	116, 934	309,079	Virginia'	82, 133	277, 519
Massachusetts	68, 993	322, 141	Washington	41,626	216,454
Michigan	44,088	258, 905	West Virginia	89, 371	184,060
Minnesota	17,982	73, 763	Wisconsin	189, 981	670, 391
Missouri	160, 288	597, 258	Wyoming	212	2,275
Montana	4, 320	24, 150	Total	2, 697, 120	9, 817, 451

Lime is sold by various units of measurement in the United States, the bushel, the barrel, and the ton being the principal measures. These, however, vary as to weight in the different States and in different parts of the same State, and even the same company sells by different measurements, according to demand. The average weight of the bushel is probably 80 pounds, and there are usually two and one-half bushels to a barrel, making a barrel of lime weigh 200 pounds. These weights, however, vary greatly, a barrel sometimes being over 300 pounds, and a bushel being 40 pounds. Some of the larger manufacturers are adopting the plan of quoting the value of lime by the hundredweight, and if this idea is carried out it will be easier to obtain more correct figures as to the quantity of lime burned in a year.

The value of the lime also varies considerably, according to the use to which it is put, and to the purity and richness of the lime itself.

In many of the States where limestone is found in abundance the farmers, in their leisure time, dig out a small quantity of stone, or collect it from their fields and burn one or two kilns of it for their own use as a fertilizer and sell it to the neighboring farmers at a small price, the cost to them being simply labor. This lime sells from 3 to 10 cents per bushel, and in the States where this is done to any considerable extent the price per ton is appreciably lowered, Pennsylvania, Maryland, and West Virginia being largely influenced by this custom.

The specially prepared hydrated lime, although more expensive than other lime, is now being largely used.

Pennsylvania is the largest producer, both in value and in quantity of production, being followed by Ohio, Maine, Wisconsin, and Missouri. The figures given in the tables are for bulk lime, exclusive of cooperage, as far as could be ascertained. When the value of the barrel is included the price is from 15 to 25 cents more per barrel.