By A. T. Coons.

INTRODUCTION.

For simplicity of treatment the kinds of stone covered by the figures given in this report are classified as granite, trap rock, sand-

stone, bluestone, limestone, and marble.

Granite includes true granites and other igneous rocks, as gneiss, mica schist, andesite, syenite, trachyte, quartz porphyry, lava, tufa, diabase, trap rock, basalt, diorite, gabbro, and a small quantity of serpentine. Rocks of these kinds are as a rule quarried commercially in quantities too small to permit their being tabulated separately, but the trap rock output of California, Connecticut, Massachusetts, New York, New Jersey, and Pennsylvania represents an important industry, and it is therefore considered advisable to show the value of this stone separately. The trap rock from California includes

a considerable quantity of basalt.

Sandstone includes the quartzites of South Dakota and Minnesota, but the fine-grained sandstones of New York and Pennsylvania, known to the trade as bluestone, are the product of a separate industry, and their production is shown apart from that of the other sandstone. This bluestone is also quarried in New Jersey and West Virginia. In Kentucky most of the sandstone quarried and sold is known locally as freestone. The figures given for sandstone do not include the value of the grindstones, whetstones, and pulpstones, made from sandstone quarried in Michigan, Ohio, and West Virginia. Neither does the total sandstone value include sandstone crushed into sand and used in the manufacture of glass and as molding sand.

Limestone does not include limestone burned into lime, bituminous limestone, nor limestone entering into the manufacture of Portland cement. It includes, however, a small quantity of stone sold locally

as marble.

Marble includes a small quantity of serpentine quarried and sold

as marble in Georgia, Washington, and Pennsylvania.

The values given in this report represent the net value of the stone to the quarrymen—that is, the selling value exclusive of any freight charges. When the stone is cut or dressed by the quarrymen and sold in this manner, the value of the dressed stone is given. This applies especially to the stone quarried for use as building and monumental stone. The value of crushed stone is the net value crushed at the point of shipment.

PRODUCTION.

The following table shows the value of the different kinds of stone produced in the United States from 1896 to 1906, inclusive:

Value of the different kinds of stone produced in the United States, 1896-1906.

Year.	Granite.	Trap rock.	Sandstone.	Bluestone.	Marble.	Limestone.	Total.
1896 1897 1898 1898 1899 1900	\$7,944,994 8,905,075 9,324,406 10,343,298 10,969,417 14,266,104	\$1,275,041 1,706,200 1,710,857	4,724,412 b4,910,111 b5,272,865 b6,974,199	a \$750,000 a 900,000 a1,000,000 815,284 1,198,519 1,164,481	\$2,859,136 3,870,584 3,629,940 4,011,681 4,267,253 4,965,699	\$8,387,900 9,135,567 9,956,417 13,889,302 13,556,523 18,202,843	\$23,965,22 26,876,67 28,635,17 35,244,71 36,970,77 47,284,18
1902 1903 1904 1905	16,083,475 15,703,793 17,191,479 17,563,139 18,569,705	2, 181, 157 2, 732, 294 2, 823, 546 3, 074, 554 3, 736, 571	69, 430, 958 69, 482, 802 58, 482, 162 68, 075, 149 67, 147, 439	1, 163, 525 1, 779, 457 1, 791, 729 1, 931, 625 2, 021, 898	5,044,182 5,362,686 6,297,835 7,129,071 7,582,938	20, 895, 385 22, 372, 109 22, 178, 964 26, 025, 210 27, 320, 243	54, 798, 68 57, 433, 14 58, 765, 71 63, 798, 74 66, 378, 79

a Estimated.

^b Does not include the value of grindstones and whetstones.

From this table it is seen that the total reported value of the stone quarried in the United States in 1906, exclusive of the products mentioned above, was \$66,378,794. The corresponding value for 1905 was \$63,798,748, an increase for 1906 of \$2,580,046. In 1905 the gain was \$5,033,033; in 1904 it was only \$1,332,574; in 1903 it was \$2,634,459, and in 1902 it was \$7,514,499. The increase for 1906 over 1896 is \$42,413,565. The production of 1902, 1903, 1904, and 1905 was affected by strikes in the building trades, but continued increase in the production of crushed stone and, in 1905, of stone for furnace flux caused increased values in the totals. In 1906 almost all the producers, and especially the small quarrymen, stated that the cost of production had increased on account of increased cost of supplies, high wages, and lack of common labor; and that less stone was produced on account of the cheaper production and increased use of concrete, cement, and concrete blocks.

Granite, trap rock, marble, bluestone, and limestone increased in

value, while the value of sandstone decreased.

Granite, trap rock, etc., represented 33.60 per cent of the total output in 1906, and increased in value from \$20,637,693 in 1905 to \$22,306,276 in 1906, a gain of \$1,668,583. Trap rock increased in value from \$3,074,554 in 1905 to \$3,736,571 in 1906, or \$662,017. Granite increased from \$17,563,139 in 1905 to \$18,569,705 in 1906, a gain of \$1,006,566.

Sandstone and bluestone represented 13.80 per cent of the total stone output in 1906. Their value in 1906 was \$9,169,337, which, compared with a value of \$10,006,774 in 1905, shows a decrease of \$837,437. Bluestone increased in value from \$1,931,625 in 1905 to \$2,021,898 in 1906, a gain of \$90,273. Sandstone decreased in value from \$8,075,149 in 1905 to \$7,147,439 in 1906, a loss of \$927,710.

Marble represented 11.42 per cent of the total stone output in 1906, the total value being \$7,582,938; in 1905 the value was

\$7,129,071, a gain for 1906 of \$453,867.

Limestone represented 41.16 per cent of the total stone output of the United States in 1906, and was valued at \$27,320,243; in 1905 the value was \$26,025,210, a gain for 1906 of \$1,295,033.

The following table shows the value of the various kinds of stone produced in 1905 and 1906, by States and Territories:

Value of various kinds of stone produced in 1905 and 1906, by States and Territories.

1905.

State or Territory.	Granite.	Sandstone.	Marble.	Limestone.	Total value.
Mabama		\$28,107		\$532,103	\$560,210
Vlaska		\$40, 101	\$710	6002,100	710
rizona	\$3,700	65, 558	9/10	135	69,393
Arkansas	90, 312	58, 161	1,000	154, 818	304, 291
California	1,700,818	685, 668	95,540	49, 902	2,531,928
colorado	73, 802	453, 029	30,040		816, 75
Connecticut.	949, 888			289, 920	1,014,06
Delaware		62, 618	*********	1,558	178, 429
lorida	178, 428			5,800	5, 800
		***********	774 550		
leorgia	971, 207		774,550	9,030	1,754,78
Iawaii		00 007	*********	14 105	33, 55
daho	1,500	22, 265 29, 115		14, 105	37,870
llinoisndiana				3,511,890	3, 204, 68
		15, 421		3, 189, 259	
ndian Territory		2,198		5, 512	9,510
owa		9, 335		451,791	461, 12
Cansas		79,617		923, 389	1,003,00
Centucky	0 710 705	280, 579	**********	744, 465	1,025,04
faine	2,713,795	***************************************	***********	7, 428	2,721,22
faryland	957,048	12,984	138, 404	149, 402	1, 257, 83
fassachusetts	2,663,329	367, 461	166,360	65, 908	3, 263, 05
Iichigan	**********	123, 123	*********	544, 754	667,87
Innesota	481,908	294, 640		555, 401	1,331,94
lissouri	180,579	27,686		2, 238, 164	2, 446, 425
Montana	126, 430	45, 116		103, 123	274, 66
Nebraska		120		225, 119	225, 239
Nevada		1,500			1,500
New Hampshire	838, 371				838, 37
New Jersey	834,709	294, 719		147, 353	1,276,78
New Mexico		101,522	2,200	7,200	110, 92
New York	765,777	a 1, 831, 756	795, 721	1,970,968	5, 364, 22
North Carolina	564,578	4, 483		16,500	585, 56
North Dakota		1,055			1,05
Ohio		1,744,472		2,850,793	4, 595, 26
Oklahoma	18,920	12,914		163, 412	195, 24
)regon	85,330	1,229		8,600	95, 15
Pennsylvania	870,848	a 2, 487, 939	97,887	4,499,503	7, 956, 17
Rhode Island	556, 364			300	556, 66
outh Carolina	297, 284				297, 28
outh Dakota		193, 408		6,653	200,06
ennessee		8,715	582, 229	401,622	992, 56
'exas	132, 193	123, 281		171,847	427, 32
tah	13,630	43, 429	1,150	232, 519	290, 72
Vermont	2,571,850	207 220	4, 410, 820	11,095	6, 993, 76
7irginia	452, 390	2,000	2, 110, 540	212,660	667.05
Vashington		124,910	60,000	52,470	919, 11
West Virginia	001,100	171,309	00,000	671,318	842, 62
Wisconsin.	825, 625	161,741		804.081	1, 791, 44
Wyoming		33,591	2,500	23,340	59, 43
Total	b 20, 637, 693	a 10,006,774	7, 129, 071	26,025,210	63, 798, 74

a Includes bluestone.

^b Includes trap and other igneous rocks.

Value of various kinds of stone produced in 1905 and 1906, by States and Territories—Continued.

1906.

dabama daska drizona drizona drizonia colorado comecticut belaware lorida deorgia dawaii	\$32,042 118,903 1,429,207 65,402 1,385,369	\$40, 467 33, 149 55, 703 642, 166 286, 544 (**)	\$85,000 (a) 16,900 103,048	\$579,344 40 48,844 80,205	\$704,811 (a) 65,231 240,356
arizona arkansas Salifornia Solorado Connecticut Jelaware Florida Jeorgia	\$32,042 118,903 1,429,207 65,402 1,385,369	55,703 642,166 286,544 (b)	16,900 103,048	48,844 80,205	65, 231
irkansas alifornia olorado connecticut Jelaware Florida Jeorgia	118,903 1,429,207 65,402 1,385,369	55,703 642,166 286,544 (b)	103,048	48,844 80,205	
alifornia olorado onnecticut Jelaware Florida Jeorgia	1, 429, 207 65, 402 1, 385, 369	642, 166 286, 544 (b)	103,048	80,205	240, 350
colorado onnecticut Oelaware Clorida Jeorgia	65, 402 1, 385, 369	286, 544 (b)			
onnecticut elaware Torida eorgia	1,385,369	(6)			2, 254, 620
Delaware				373,158	725, 104
loridaleorgia	146,346			1,171	1,386,540
leorgia					146, 34
			TELEGRATAGAT	1,450	1,450
			919, 356	16,042	1,727,71
		***********		10.000	23,34
daho		11,969		12,600	24,969
llinois		19,125		2,942,331	2,961,45
ndiana		30,740 615		3,725,565 44,622	3,756,30 45,23
ndian Territory			***********		499, 41
owa		5, 601 42, 809		493, 815 849, 203	892, 01:
Centucky		125, 123	**********	795, 408	920, 53
faine		120, 120		2,000	2,562,02
Maryland		9,533	176, 495	170,046	1,239,95
Aassachusetts		260, 721	271,934	10,750	4, 333, 61
Aichigan	0,190,211	65, 395	211,301	656, 269	721, 66
dinnesota	626,069	285, 633		632, 115	1,543,81
dissouri		20,951	(0)	1,988,334	2, 159, 29
Intana		37, 462	(9)	141,082	292,54
Nebraska		6,899		276, 381	283, 28
Nevada		0,000	5,000	210,001	5,00
New Hampshire			0,000		818, 13
New Jersey		215, 142		221,141	1,394,39
New Mexico		42,574	500	125, 493	168, 56
New York		de 1,905,892	557,954	2, 204, 724	5,596,05
North Carolina		3,531	0	30, 583	812,96
North Dakota		44			4
Ohio		1, 426, 645		3,025,038	4, 451, 68
Oklahoma		40, 246		127, 361	186, 45
Oregon		25,950		7,480	92, 39
Pennsylvania	1,043,140	d 2, 724, 874	171,632	4, 865, 130	8, 804, 77
Rhode Island				678	623, 49
South Carolina	247,998			10,400	258, 39
South Dakota		145,966			145,96
l'ennessee		14,136	635, 821	481,952	1,131,90
l'exas	168,061	111,533		239, 125	518,71
Utah		37,529	1,400	248,868	292, 74
Vermont			4, 576, 913	7,829	7, 526, 46
Virginia		5,100		260, 343	606, 34
Washington		169,500	59,985	49, 192	738, 65
West Virginia		113, 369		628, 602	741,97
Wisconsin		181,986		891,746	1,871,94
Wyoming	600	24,715	1,000	53, 783	80,09
				27, 320, 243	66, 378, 79

a Included with Washington.
b Included with New York.
c Included in limestone.
d Includes bluestone.
c Includes a small output for Connecticut.
f Includes trap rock and other igneous rocks.

The following table shows the rank of the States and Territories in 1905 and 1906, according to value of production, and the percentage of the total produced by each State or Territory:

Rank of States and Territories in 1905 and 1906, according to value of production, and percentage of total produced by each State or Territory.

a Includes a small output of sandstone from Connecticut. b Includes Alaska marble.

From this table it is seen that Pennsylvania, producing chiefly limestone and sandstone but also granite and marble, reported the greatest value of stone output for the entire United States, which was 13.27 per cent of the total; Vermont, producing granite, marble, and a small quantity of limestone, was second, with 11.34 per cent of the total; New York, producing sandstone, limestone, granite, and marble, ranked third; Ohio, producing limestone and sandstone, was fourth; Massachusetts, producing granite, marble, sandstone, and limestone, was fifth; Indiana was sixth, followed by Illinois, Maine, California, and Missouri, each producing stone valued at over \$2,000,000.

The following table is given to show the total values of the stone used for various purposes in 1905 and 1906; 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 1905 and 1906.

1905.

Kind.	Building (rough and dressed).	Monumental (rough and dressed).	Flagstone.	Curbstone.	Paving stone.	Crushed stone.
GraniteSandstoneLimestoneMarble.	\$7,298,797 4,702,189 5,312,183 2,927,640	\$3,842,368	\$38,838 1,221,348 127,801	\$762, 430 1,044,983 283, 426	\$2,133,873 716,682 231,785	\$4,923,706 1,008,270 10,487,638
Total	20, 240, 809	6, 112, 585	1,387,987	2,090,839	3, 082, 340	16, 419, 614
			1906.			
GraniteSandstoneLimestoneMarble	\$8,536,420 4,275,669 5,092,916 2,782,620	\$4,116,075 2,657,813	\$50,609 1,097,438 109,632	\$787, 237 1, 074, 369 289, 615	\$1,652,927 694,995 531,275	\$5, 504, 327 889, 894 11, 073, 268
Total	20, 687, 625	6,773,888	1, 257, 679	2, 151, 221	2, 879, 197	17, 467, 480

From this table it appears that the total value of building stone increased from \$20,240,809 in 1905 to \$20,687,625 in 1906, a gain of \$446,816. Granite represented in 1906 41.26 per cent of this building stone; limestone, 24.62 per cent; sandstone, 20.67 per cent; and marble, 13.45 per cent.

Monumental stone increased in value from \$6,112,585 in 1905 to \$6,773,888 in 1906, a gain of \$661,303. Of the monumental stone 60.76 per cent was granite in 1906 and 39.24 per cent marble.

Flagstone in 1906 decreased in value \$130,308, or from \$1,387,987 in 1905 to \$1,257,679 in 1906. Sandstone represented 87.26 per cent of the flagstone output in 1906. The proportion of granite and limestone was small.

Curbstone increased in value from \$2,090,839 in 1905 to \$2,151,221 in 1906, or \$60,382. Sandstone represented 49.94 per cent of this output in 1906; granite, 36.60 per cent; and limestone, 13.46 per cent.

Paving stone decreased in value from \$3,082,340 in 1905 to \$2,879,197 in 1906, a loss of \$203,143. Granite was 57.40 per cent of the total paving material; sandstone, 24.14 per cent; and limestone, 18.46 per cent.

Crushed stone increased in value from \$16,419,614 in 1905 to \$17,467,486 in 1906, or \$1,047,872. Of the total for 1906, 63.39 per cent was limestone; 31.51 per cent granite, including trap rock; and 5.10 per cent sandstone.

The following tables show the quantity and value of crushed stone produced in the United States in 1905 and 1906, by States and Territorics and uses

tories and uses.

Production of crushed stone in 1905 and 1906, by States and Territories and uses, in short tons.

1905.

State or Terri-	Road n	aking.	Railroad	ballast.	Cone	erete.	Total.		
tory.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
Alabama	15,000	\$3,725			15,700	\$7,275	30,700	\$11,000	
Arizona	47 050	04 005	**********	210 010	500	229	500	229	
Arkansas		. 34, 325	16,524	\$12,012	87,310	72,220	151, 184	118,55	
California		391,587	87,733	48, 341	386, 967 8, 200	305, 459 4, 033	1,099,398	745, 38 4, 03	
Colorado	293, 240	176, 749	17,806	8,067	210,027	116, 387	8,200 521,073	301, 20	
Delaware		36, 440	74,052	39,779	45, 130	27, 164	180, 307	103, 38	
Florida		50, 410	14,002	05,115	600	300	600	30	
Georgia		7,300	160, 365	82,717	86, 225	63,763	263,730	153,78	
Hawaii		.,	4,700	3,542	28,202	28,508	32,902	32,05	
Illinois	1, 184, 352	793, 551	1,441,707	655, 276	929, 995	594, 293	3,556,054	2,043,12	
Indiana	489,724	222, 441	280, 227	84,007	77,130	30,364	847,081	336, 81	
Indian Territory .			9,058	3,624	3,634	1,888	12,692	5, 51	
lowa	56, 253	65,843	26,610	14, 262	80,490	82,024	163, 353	162, 12	
Kansas	46,210	28, 913	1,389,756	618, 189	38,666	25, 365	1,474,632	672, 46	
Kentucky	334, 198	215,032	980,597	362,035	79,392	65, 427	1,394,187	642, 49	
Maine	4,935	2,605	212	96	10,070	7,615	15, 217	10, 31	
Maryland		165, 422	89,588	44, 336	222,004	245, 200	503, 406	454, 95	
Massachusetts		497, 207	16,788	9,436	390,314	288, 227	1,023,272	794, 87	
Michigan	237,670	112, 113	87, 298	43,649	229, 355	107,396	554, 323	263, 15	
Minnesota	99,083	79,640	16,820	16,958	245, 231	134, 410	361, 134	231,00	
Missouri		386, 894	902, 433	396, 872	779,753	519, 469	2,135,440	1,303,23	
Montana		24 050	51,875	00 440	6,500	8,200	6,500	8, 20	
Nebraska New Hampshire	31,375 26,681	24,050 16,467	31,813	29, 442	92,000	79,311	175, 250 26, 681	132, 80 16, 46	
New Jersey	711,538	497, 779	156, 497	98,342	247, 190	167,258	1, 115, 225	763, 37	
New Mexico	111,000	201,110	185,000	85,000	1,625	1,575	186, 625	86, 57	
New York		909, 425	844, 382	418,076	758,096	451,811	3,065,789	1,779,31	
North Carolina	52,987	44, 236	118,850	56,574	55, 549	34, 161	227, 386	134, 97	
Ohio		805, 345	858,047	463, 435	548, 714	259, 363	3,029,517	1,528,14	
Oklahoma	37,700	22,850	187,500	90,000	31,870	21,370	257,070	134, 25	
Oregon	46,877	34,720	1,250	600	1,688	1,550	49,815	36, 87	
Pennsylvania	784, 176	490,025	1,584,547	836,001	967,134	589,952	3, 335, 857	1,915,97	
Rhode Island	33,821	27,061	2,875	2,000	16, 125	15, 470	52,821	44, 50	
South Carolina	1,250	900	42,804	28,876	70,866	70,392	114,920	100,16	
South Dakota	1,000	804	**********	*********	21,000	18, 205	22,000	19,00	
Tennessee		39,227	167,850	81,693	92, 400	48,930	367, 100	169, 85	
Texas	11,250	7,000	32,700	16,000	48,300	34,518	92,250	57, 51	
Utah	6,907 5,300	6,605			350 4,500	150	7,257	6, 75	
Vermont	15 500	4,073 26,429	140 600	70 602	154, 862	6,000	9,800	10,07	
Virginia Washington	15,500 12,040	9,000	142,600 2,047	78, 693 1, 638	753	177,551 602	312, 962 14, 840	282, 67 11, 24	
West Virginia	69,048	38,084	97,000	85, 823	67,790	36,938	233, 838	160, 84	
Wisconsin	605, 427	488, 177	14,975	7,870	194, 767	129,501	815, 169	625, 54	
Wyoming	000, 121	***********	12,500	4, 450	65	35	12,565	4, 48	
Total	10, 418, 010	6.712.044			7,337,039	4 879 859	27, 860, 622		

Production of crushed stone in 1905 and 1906, by States and Territories and uses, in short tons—Continued.

1906.

State or Terri-	Road m	aking.	Railroad	ballast.	Cone	rete.	Tot	al.
tory.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Alabama	17,040	\$9,380			10,192	\$7,280	27,232	\$16,66
Arizona							0	
Arkansas		22,577	30,000	\$26,000	63,059	61,264	120,449	109,84
California	396,029	327,457	65,031	34,904	651,590	453,648	1,112,650	816,00
Colorado	7,210	3,832	22,000	7,600	49,697	26,139	78,907	37,57
Connecticut	387,288	231,001	47,803	20,750	280,731	152, 448	715,822	404, 19
Delaware	10,299	6,814	56,839	37,129	74,928	48,849	142,066	92,79
Florida					250	100	250	10
Georgia	23,862	19,400	290,450	151,365	107,700	82,450	422,012	253, 21
Hawaii	2,796	4,476	300	150	9,184	6,645	12,280	11,27
Illinois	1,235,186	686, 292	737,028	389,065	1,090,679	709,907	3,062,893	1,785,26
Indiana	658, 727	321,891	477,737	169,695	243,834	119,222	1,380,298	610,80
Indian Territory			50,000	20,000	50,000	20,000	100,000	40,00
Iowa	59,362	38, 339	60,803	26,268	251,686	142,124	371,851	206,73
Kansas	62,952	39,877	1,119,416	533, 173	50,034	34,228	1,232,402	607,27
Kentucky	332, 137	222,877	578, 502	250,237	79,508	50,827	990,147	523,94
Maine		9,931			17,045	11,504	31,625	21,43
Maryland	168, 191	156, 245	197, 126	116,306	171,944	190,993	537, 261	463,54
Massachusetts	504, 289	390,517	69, 930	28,000	398,787	329,174	973,006	747,69
Michigan		78, 437	206,375	103,442	94,536	61,852	446,066	243,73
Minnesota	138, 380	102, 246	31,509	24,741	241,563	190,027	411,452	317,01
Missouri		294, 511	671,803	336,752	524,969	379,994	1,557,557	1,011,25
Montana		6,000			024,000		4,555	6,00
Nebraska	20,000	16,000	49,968	29,980	135,462	112,253	205,430	158, 23
New Hampshire	14,200	10,350	1,770	426	13,660	9,918	29,630	20,69
New Jersey	604,010	451,174	260,044	147, 191	400,804	259,964	1,264,858	858, 32
New Mexico	004)040	2027212	350, 167	139, 217	12,500	6,000	362,667	145, 21
New York	1,307,524	844, 226	771,106	369,940	1,276,893	734,055	3,355,523	1,948,22
North Carolina	51,972	49,274	299,391	134,800	79,964	60,762	431,327	244,83
Ohio	1,728,163	931,146	951,888	426,305	632,942	300,035	3,312,993	1,657,48
Oklahoma	12,700	9,050	157,500	90,000	15,600	10,175	185,800	109, 22
Oregon		34, 223	15,918	7,111	17,175	8,342	92,340	49,67
Pennsylvania	822,774	517,751	1,757,718	1,000,044	1,221,162	782,640	3,801,654	2,300,43
Rhode Island	53, 112	41,018	4,101,110	2,000,022	3,150	3,765	56, 262	44,78
South Carolina		6,825	24,111	11,796	78,007	56,896	111,438	75,51
South Dakota	225	180	300	157	23,940	24,000	24, 465	24, 33
Tennessee		23,725	420, 083	192,614	115,657	75,063	578, 915	291,40
Texas		19, 450	59,872	26,067	125,881	67,829	214, 353	113,34
Utah		13,030	00,012	20,001	20	15	13,120	13,04
Vermont		4,045	2,402	1,100	2,840	2,472	10,526	7,61
Virginia		35, 141	159, 490	80, 436	118,553	107,377	309, 351	222, 93
Washington	15,640	13, 262	12,250	9,500	6,203	4,963	34,093	27,72
West Virginia	38, 507	21, 140	145, 525	71,260	55, 982	32,980	240,014	125,38
Wisconsin	596, 476	363, 214	181,067	86, 575	392,605	250,870	1,170,148	700,65
Wyoming			1,800	810	2,364	1,207	4,164	2,01
Total		0.000.004					29,539,852	17, 467, 48

In 1906 Pennsylvania reported the largest production of crushed stone, followed by New York, Illinois, Ohio, and Missouri, in the order named. Each of these States had an output represented by more than \$1,000,000. In 1905 the rank of the States producing crushed stone was Illinois, Pennsylvania, New York, Ohio, and Missouri.

The following table shows the quantity and value of crushed stone produced in the United States in 1905 and 1906, by uses and kinds of stone.

stone:

Quantity and value of crushed stone produced in the United States in 1905 and 1906, by kinds and uses, in short tons.

1905.

771	Road n	aking.	Railroad	ballast.	Con	crete.	To	tal.
Kind.	Quantity.	Value.	Quantity.	Value.	Quantity	Value.	Quantity.	Value.
Granite	884, 934 2, 634, 290 6, 446, 518 452, 268	\$756, 923 1, 762, 811 3, 837, 041 355, 269	733, 397 435, 511 8, 167, 261 769, 404	\$428, 567 230, 376 3, 826, 811 341, 957	1,037,995 1,207,240 4,720,389 371,415	\$960, 110 784, 919 2, 823, 786 311, 044	2,656,326 4,277,041 19,334,168 1,593,087	\$2,145,600 2,778,100 10,487,638 1,008,270
Total	10, 418, 010	6,712,044	10, 105, 573	4,827,711	7, 337, 039	4,879,859	27,860,622	16, 419, 61
	ON THE REAL PROPERTY.		19	06.				
Granite	858, 289 2, 109, 404	\$722,807 1,496,140	1,066,784 799,094	\$545,771 477,022	1,016,494 2,145,690	\$893,886 1.368,701	2,941,567 5,054,188	\$2,162,46 3,341,86

 Trap rock
 2, 109, 404
 1, 496, 140
 799, 094
 477, 022
 2, 145, 690
 1, 368, 701
 5, 054, 188
 3, 341, 863

 Limestone
 358, 076
 299, 877
 362, 294
 178, 717
 537, 138
 411, 300
 1, 257, 508
 889, 894

 Total
 10, 011, 550
 6, 376, 324
 10, 335, 022
 5, 100, 906
 9, 193, 280
 5, 990, 256
 29, 539, 852
 17, 467, 486

From this table it appears that, with the exception of sandstone, which decreased in quantity and value of output, the production of crushed stone increased decidedly in 1906, amounting to 29,539,852 short tons, valued at \$17,467,486, as compared with 27,860,622 short tons in 1905, valued at \$16,419,614, an increase in quantity of 1,679,230 short tons and in value of \$1,047,872.

Crushed granite increased from 2,656,326 short tons, valued at \$2,145,600, in 1905 to 2,941,567 tons, valued at \$2,162,464, in 1906, an increase in quantity of 285,241 tons and in value of \$16,864.

an increase in quantity of 285,241 tons and in value of \$16,864.

Crushed trap rock increased from 4,277,041 short tons, valued at \$2,778,106, in 1905 to 5,054,188 short tons, valued at \$3,341,863, in 1906, an increase in quantity for 1906 of 777,147 tons and in value of \$563,757.

Crushed limestone increased from 19,334,168 short tons, valued at \$10,487,638, in 1905 to 20,286,589 short tons, valued at \$11,073,265, in 1906, an increase in quantity of 952,421 tons and in value of \$585,627.

Crushed sandstone decreased from 1,593,087 short tons, valued at \$1,008,270, in 1905 to 1,257,508 tons, valued at \$889,894, in 1906, a decrease of 335,579 tons, valued at \$118,376.

Crushed stone for road making decreased from 10,418,010 short tons, valued at \$6,712,044, in 1905 to 10,011,550 tons, valued at \$6,376,324, in 1906, a decrease of 406,460 tons, valued at \$335,720.

Crushed stone for railroad ballast increased from 10,105,573 tons, valued at \$4,827,711, in 1905 to 10,335,022 tons, valued at \$5,100,906, in 1906, an increase of 229,449 tons, valued at \$273,195.

Crushed stone for concrete showed the greatest increase, from 7,337,039 tons, valued at \$4,879,859, in 1905 to 9,193,280 tons, valued at \$5,990,256, in 1906, an increase in quantity of 1,856,241 and in value of \$1,110,397.

In 1906, 63.39 per cent of the total of the crushed stone output was limestone, 19.13 per cent trap rock, 12.38 per cent granite, and 5.10 per cent sandstone.

The total average value per ton for 1906 was 59 cents, the same as in 1905. In 1906 the average price per ton of granite was 74 cents; trap rock, 66 cents; limestone, 54 cents, and sandstone, 73 cents; in 1905 the average values were, granite, 81 cents; trap rock, 65 cents; limestone, 54 cents; and sandstone, 63 cents.

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 1905 and 1906:

Exports of stone from the United States in 1905 and 1906.

Kind.	1905.	1906.
Marble and stone, unmanufactured	\$265,023 710,876	\$355, 343 780, 539
Total	975, 899	1, 135, 882

Imports of stone into the United States in 1905 and 1906.

Kind.	1905.	1906.	Kind.	1905.	1906.
Marble: In block, rough, etc Sawed or dressed Slabs or paving tiles	\$817, 555 103 63, 942	\$892,717 306 93,760	Granite: Dressed	\$102, 488 4, 940	\$145, 14- 20, 93
All other manufac- tures	302,645	220, 150	Total	107, 428	166,075
Mosaic cubes	47, 455	48, 183	Stone (other):	14 711	10.05
Total	1,231,700	1, 255, 116	Dressed	14,711 64,587	16,354 41,258
Onyx:	*1 001	70 nos	Total	79, 298	57,609
In block, rough, etc Sawed or dressed	54, 081	76,385	Grand total	1, 478, 944	1, 556, 667
Slabs or tiles	176				
All other manufac- tures	6, 261	1,482			
Total	60,518	77,867		000	

These tables do not include the figures for slate or lime, as they are included under their respective reports.

These tables show an increase of \$159,983 in the value of the stone exported, from \$975,899 in 1905 to \$1,135,882 in 1906.

The total imports increased from \$1,478,944 in 1905 to \$1,556,667 in 1906, a gain of \$77,723.

GRANITE.

Total production.—The figures given in this report as representing the value of granite production in the United States include also the value of small quantities of gneiss, mica schist, lava, tufa, trachyte, andesite, syenite, quartz porphyry, trap, basalt, and allied igneous rocks. The quantities of these allied stones quarried are too small to tabulate separately. Trap rock, however, as already

noted, represents an industry sufficient by itself to make it advisable to show the value of this stone separately, although its value is

included in the grand total of granite.

The value of the total output of granite, trap, etc., in 1906 was \$22,306,276, as compared with a value of \$20,637,693 in 1905, an increase of \$1,668,583. The increase in 1905 over the total value for 1904 was only \$622,668; the gain in 1904 over 1903 was \$1,578,938, which nearly equals the gain for 1906. In 1905 the granite trade felt the effects of builders' strikes, of the recent demand for concrete blocks and cement work, and of the high prices and the scarcity of labor. In 1906 the effect of trade strikes was not so evident, but notwithstanding the large increase in production the quarrymen, especially the small producers, reported a decrease of trade due to the use of cement and concrete, to high wages, to high price of supplies, and to inability to secure common labor.

The increase in 1906 was due mainly to contracts taken out for

large buildings and to the demand for crushed stone.

In 1905 Maine ranked first among the granite-producing States, with an output of \$2,713,795; Massachusetts second, with an output of \$2,663,329; Vermont third, with an output of \$2,571,850, and California fourth, with an output of \$1,700,818.

In 1906 the rank in output of the States producing granite to the value of \$1,000,000 or more was as follows: Massachusetts, \$3,790,211; Vermont, \$2,941,724; Maine, \$2,560,021; California, \$1,429,207;

Connecticut, \$1,385,369, and Pennsylvania, \$1,043,140.

The increase in Massachusetts was caused by unusually large contracts for stone for large buildings. Vermont showed an increase in value of both building and monumental stone. Maine decreased in value of building and monumental stone and paving blocks. California increased in value of stone for concrete work and for breakwater and railroad use. Connecticut increased in output of buildingstone and of stone for riprap work, and Pennsylvania increased in value of crushed stone.

Of the other States, Arizona increased on account of a large quantity of granite of poor quality taken out for railroad repair work, and Arkansas, Minnesota, New Jersey, New York, North Carolina, Rhode Island, and Texas, also increased in value of output, but Colorado, Delaware, Georgia, Hawaii, Idaho, Indian Territory, Maryland, Missouri, Montana, New Hampshire, Oklahoma, Oregon, South Carolina, Utah, Virginia, and Wisconsin decreased in value of output, most of the quarrymen reporting decreased demand due to the high prices caused by high wages, scarcity of labor, and the increased cost of materials, and to the increased use of cement and concrete blocks.

The output from Arizona, Colorado, Hawaii, Idaho, Oregon, Utah, and Wyoming includes considerable volcanic rock and tufa. California's output includes basalt and trap rock; the output of Connecticut, Massachusetts, New Jersey, New York, and Pennsylvania

includes a large quantity of trap rock.

The production of some of the other States includes, besides these varieties of igneous rock, gneiss, mica schist, syenite, andesite, diabase, etc., but only in small quantities, as compared with the total production.

Building stone.—Building stone, including rough and dressed granite sold by producers, was valued at \$8,536,420 in 1906, an increase of \$1,237,623 as compared with \$7,298,797 in 1905. This was 74.17 per cent of the total granite increase. The rough stone sold by the quarrymen was valued at \$1,869,316 in 1906 and at \$1,888,010 in 1905, a decrease of \$18,694 in 1906 in this class of material. The dressed stone sold by the producers was valued at \$6,667,104 in 1906 and at \$5,410,787 in 1905, an increase of \$1,256,317. Massachusetts showed the greatest increase for this class of stone, from \$824,999 in 1905 to \$1,750,695 in 1906, a gain of \$925,696. This increase is accounted for by the fact that in 1906 the stone for the new Pennsylvania Railroad station in New York City was taken out, dressed, and made ready for shipment at the Milford quarries. The building stone includes, besides stone for buildings, for their decoration, and for foundations, a large quantity of heavy masonry stone used in building bridges. In 1905 Maine reported the largest quantity of building stone, rough and dressed, valued at \$2,083,089; Vermont came second, with a value of \$1,282,079; and Massachusetts was third, with a value of \$1,026,424. In 1906, Massachusetts ranked first, with an output of \$1,987,356; Maine was second, with an output of \$1,763,154, and Vermont third, with an output of \$1,475,731. Maine showed a decrease in output, and the other States an increase. Other States prominent in the production of granite for building stone are, in the order of value for 1906: Connecticut, New Hampshire, North Carolina, Maryland, California, Pennsylvania, Rhode Island, New York, Minnesota, and Georgia. In 1905 the order was as follows: Connecticut, Maryland, California, New Hampshire, North Carolina, Pennsylvania, Georgia, and New York, each of these States producing building stone, rough and dressed, valued at over \$100,000. The output of Connecticut, ranking fourth in each year for this class of stone, increased \$203,695, or from \$394,571 in 1905 to \$598,266 in 1906. New Hampshire rose from seventh place in 1905 to fifth place in 1906, with increase of \$101,550, from \$331,537 in 1905 to \$433,087 in 1906. North Carolina rose from eighth place in 1905, with an output of \$303,851, to sixth place in 1906, with an output of \$351,764, an increase of \$47,913. Maryland fell from fifth place in 1905 to seventh place in 1906; and California, on account of conditions incident to the earthquake disturbances in the spring of 1906, fell from sixth place to eighth.

Monumental stone.—Monumental stone, including stone cut and dressed by the producers and also the rough stock sold by them to retail monumental dealers, was valued at \$4,116,075 in 1906, as compared with \$3,842,368 in 1905, an increase of \$273,707. Of the total, \$2,293,554 was the value of the rough stock and \$1,822,521 the value of the cut or dressed stones sold by producers. In 1905 the corresponding figures were rough stock valued at \$1,920,443 and cut or dressed stone valued at \$1,921,925, an increase of \$373,111 in the value of rough stock and a decrease of \$99,404 in the value of cut or

dressed stone for the year 1906.

Vermont produces more rough stock and sells more dressed monumental stone than any other State. The output of this class of stone in Vermont in 1906 was \$1,444,442 and in 1905 \$1,249,774, an increase of \$194,668. Massachusetts ranks next to Vermont with

an output of \$724,614 in 1906 and \$614,075 in 1905, an increase of \$110,539. The next States in order of production of monumental stone are Rhode Island, Minnesota, Maine; Wisconsin, New Hampshire, and Connecticut, these States each producing over \$100,000 in value. In 1905 New Hampshire ranked third, followed by Rhode Island, Wisconsin, Minnesota, California, and Maine. Production of this class of stone increased in 1906 in Rhode Island, Minnesota, Maine, Wisconsin, and Connecticut, and decreased in New Hampshire and California.

Paving blocks.—The value of paving blocks decreased from \$2,133,873 in 1905 to \$1,652,927 in 1906, a decrease of \$480,946. Connecticut, Delaware, Maine, Maryland, New Hampshire, Oklahoma, South Carolina, Virginia, and Washington increased in value of output, while the other States decreased or gave the same value of output. In 1906 the five States producing highest values in paving blocks were, in order, Maine, Wisconsin, Massachusetts, California, and Georgia, each producing over \$100,000. In 1905 the order was

Curbstone.—Granite curbing in 1906 was produced to the value of \$787,237; in 1905 the value of the output was \$762,430, an increase for 1906 of \$24,807. Georgia and North Carolina were the chief States

Wisconsin, Maine, Georgia, Massachusetts, and California.

producing this class of stone.

Flagstone.—Granite flagstones valued at \$50,609 were reported in 1906; the value in 1905 was given as \$38,838, which shows increase of \$11,771 in 1906. South Carolina and New Hampshire reported the

greatest output of this material.

Rubble.—Rubble, including a great variety of stone used for rude masonry, foundations, and walls, was valued at \$363,463 in 1906, as compared with \$383,446 in 1905, a decrease of \$19,983 for 1906. Massachusetts, Maryland, Wisconsin, and Pennsylvania reported the largest output of this material.

Riprap.—Broken and other loose stone for foundations, especially in harbors and rivers, was produced in 1906 to the value of \$329,289; in 1905 the value reported was \$256,409, an increase for 1906 of

\$72,880.

Crushed stone.—The value of crushed granite, including trap, in 1905 was \$4,923,706; in 1906, the value was \$5,504,327, an increase of \$580,621. These figures represent an output of 6,933,367 tons in 1905 and of 7,995,755 tons in 1906, an increase of 1,062,388 tons. The figures given above include trap rock, basalt, etc., as well as true granite. A separation of the trap and basalt from the granite shows that the total for 1906 includes 5,054,188 tons of trap and basalt, valued at \$3,341,863, and 2,941,567 tons of granite, valued at \$2,162,464.

Of the total output for 1906, 2,967,693 tons, valued at \$2,218,947, were used for road making; 1,865,878 tons, valued at \$1,022,793, for railroad ballast, and 3,162,184 tons, valued at \$2,262,587, for concrete. In 1905, 3,519,224 tons, valued at \$2,519,734, represented the output for road making; 1,168,908 tons, valued at \$658,943, for railroad ballast, and 2,245,235 tons, valued at \$1,745,029, for concrete. These figures show a decrease in 1906 of 551,531 tons in quantity and of \$300,787 in value for road making, but an increase of 696,970 tons

in quantity and of \$363,850 in value for railroad ballast, and an increase of 916,949 tons and \$517,558 for concrete. The large increase of crushed stone for concrete is of especial interest as emphasizing

the increased use of concrete in construction.

In 1906 New Jersey ranked first in value of output of crushed stone, followed by Pennsylvania, Massachusetts, California, New York, Connecticut, and Maryland, each State producing over \$250,000; in 1905 the order was New Jersey, California, New York, Massachusetts, Pennsylvania, Maryland, Connecticut, and Virginia. In 1906 New Jersey ranked first in value of road-making material, followed by Massachusetts, New York, Pennsylvania, and Connecticut. Pennsylvania reported the largest value for railroad ballast, followed by Georgia, New Jersey, and North Carolina. California reported the largest value for concrete, followed by New York, New Jersey, Massachusetts. Pennsylvania, Maryland, and Connecticut.

Massachusetts, Pennsylvania, Maryland, and Connecticut.

Other uses.—Stone used for "other" purposes includes a large quantity of stone used for jetty work and breakwater work, especially in the States of California, Massachusetts, New York, and Washington. Much of the stone reported as used for other purposes in California and Arizona was used in repairing the break in the Colorado River, which required a large quantity of stone, sand, gravel, and

clav.

The following table shows the value of the granite, trap, etc., produced in the United States in 1905 and 1906, by States and Territories and uses:

Value of granite, trap, etc., produced in United States in 1905 and 1906, by States and Territories and uses.

1905.

State or Territory.	Sold	Monu-	igh.	Dress	ed f	essed for onu-	Made into paving	Curbir	Flag- ging.
•	Building.	mental.	Other	buildi		ork.	blocks		Smg.
Arizona	- municipal			91	200 \$	3,500		and the same	and the second
Arkansas	\$580	\$300	\$6, 21	0	.00	0,000	\$45	57 \$5,3	95 \$5
California	37,586	63, 502	155, 98	304,	521 11	7,605	250,80	01 86, 1	70 450
Colorado	2,495 163,835	19,016	28	33 9,	105 2	3,936		18,3	75 80
Connecticut	163,835	28, 238	4,00	230,	36 5	2, 125	43,92		
Delaware	6,384 89,350	50,038	2,02	14,	375	25	6,88 296,78	$\begin{array}{c c} 36 & 3,2 \\ 50 & 246,5 \end{array}$	
Hawaii	60,000	30,000	2,02	101,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20	200,10	240,0	2,010
Idaho	1,500								*** *******
Indian Territory	1,800	********							
Maine	434, 402	77,543	32,00	32 1,648,	687 6	9,910	324, 83 38, 90	58 74,7	01 9,720
Maryland	233,716 201,425	38, 860 424, 944	6, 67 5, 08	2 125, 33 824,		4,600 9,131	270, 30	$\begin{array}{c c} 00 & 21,7 \\ 08 & 92,4 \end{array}$	01 9,720 42 7,419 120 5,750
Minnesota		36, 689	1,03	38 58,0		3, 110	98, 53		1,340
Missouri	8,424	20,301		9,	413 1	0,500	69,6	40 2,8	65
Montana	9,100	7,030 129,685	11 00	66,	500 2	7,300 7,799	3, 50 76, 83	00 6,0	
New Hampshire New Jersey		2,312	11, 20	10 16,	140	1,199	58, 3	22 25,7	04 1,000
New York	18, 124	117		106,	852	7,013	20,60	00 1,5	20
New York North Carolina	75, 125	5,969		00 228,	726	3,142	48, 23	34 70,5	
Oklahoma		3,100	0 50		560	3,200 9,850	******		80
Oregon	10,341 193,462	3, 049 1, 810	8,77	71 5,4 10 71,	195	9,000	35,0		
Pennsylvania Rhode Island	7,050	134,063	1,59	75,	388 20	3,267	82, 6		60 1,092
South Carolina	18,989	29,740	55, 95		370 1	3,267 4,250	9,60		
Texas		15, 100	20, 58	89 24,8	64 3	0,200	28	50 4	50
Vermont		1,785 778,681	11, 20			550 1,093	16, 65	28 7,0	188
Virginia	31,224	10, 415		28,1	950 3	7, 180 4, 000	19, 25	20 8,9	48 2,550
Washington	14,322	9, 851	523, 50	00 64,				20 22.7	70
Wisconsin	6,600	28, 252	10	50	900 21	8,639	361, 5	15 2,0	146
Total	1,888,010	1,920,443	848, 48	5, 410,	787 1,92	1,925	2, 133, 8	73 762, 4	38,838
	1	Crushed	stone.	Som Si					
State or Territory.	77 3	1 75 - 11			Rubble	a. Ri	prap.	Other.	Total.
	Road	Railre balla		oncrete.					
			-						-
Arizona									\$3,700
Arkansas	\$18,85		,000	\$35,120	\$9,82	0 8	83,600 .		90,312
California	295,9	52 50	,629	302, 759 200	6, 38	06	35, 880 12	\$7,557	1,700,818 73,802
Connecticut	176, 7	49 8	.067	116, 387	16, 92	21 7	73,609	11,812	949, 888
Delaware	. 36, 4	40 39	,779	27, 164	99	3	12,885 .		178, 428
Georgia	7,30	00 77	,717	62,763	29, 31	4		5,702	971, 207
Idaho			,542	28,508		** ***		1,500	33,550 1,500
Indian Territory									1,800
Maine	2.6	05	96	7,615	5, 22	23	1,675	24,728	2,713,795
Maryland	133,59		,046	212,592 172,303	102,73 90,56	3	2,996 18,897	19,996 18,108	957,048 2,663,329
Massachusetts	28,5		,118	23, 231	7,57		300	770	481,908
Missouri			,854	31, 182				1,930	180,579
Montana				7,000			0.000		126, 430
New Hampshire New Jersey	16, 4		,342	147,333	9,91		3,036	4, 415 4, 454	838, 371 834, 709
New York	453,0		,600	70, 250	17,00		200	1,450	765,777
North Carolina			,574	34, 161	6, 31	1	2,842	650	564,578
Oklahoma					18			100	18,920
Oregon Pennsylvania	30, 1	94 118	600	1,550 205,363	3, 34		11,170 . 4,664	37,595	85,330 870,848
Rhode Island	187,6	61 2	,000	15, 470	47		30	2,272	556,364
South Carolina	- 9	00 28	,876	70, 392	10, 6	30	1,901 .	*********	556,364 297,284
Texas				1,000		10	15,869	1,000	132, 193
Vermont	3 7	23	*****		4, 3	#U	235	1,318	13,630 2,571,850
Virginia			02000		00 0	10	OF 000	007	459 200
Washington	21.1	75 69	,360	166, 364	28, 90	10	21,230	807	304,000
washington	21,1	00 1	,360 ,638	166, 364 602	28, 96 25, 58	30	27,236 5,832		2,571,850 452,390 681,730
Wisconsin	. 9,0	00 1	, 360		28, 96 25, 58 36	30	5,832	3,181	681,730 825,625
Washington	198,2	56	, 638	602	25, 58	36	5,832 56,409		681,730 825,625 20,637,693

Value of granite, trap. etc., produced in United States in 1905 and 1906, by States and Territories and uses—Continued.

1906.

	Sold	in the ro	ugh.	Dress		ressed for	Made		
State or Territory.	Building.	Monu- mental.	Other.	for	ng. n	nonu- nental work.	into paving blocks		rg. Flag- ging.
Arizona	\$7,800	\$3,000	\$21,04	2				9	50
Arkansas	1,000 67,903	500	10	0	207 775	5277777		11,2	50
California	67, 903 13, 450	50, 541 28, 508	119,05	7 \$255,1	89 \$	34, 285 18, 000	\$197,42	25 66,2	17
Connecticut	163, 351	44, 433	13,88	0 434,9		64,019	62,64		
Delaware	9,997			7,6			7,78	3 7,5	09 734
Georgia	109, 215	56,010	40	0 26, 8	350	******	123, 21	1 189,5	24 750
Idaho	400 .								
Maine	349,668 211,524	78, 802 80, 780	54, 17 9, 43			92,577 $1,730$	336, 97		86 5,299 45 3,788
Massachusetts	236, 661	435, 280	117,84		595 2	89,334	51,58 199,48	7 89,4	69 4,080
Minnesota	23,686	100,086	1,30	0 141.1	71 1	89,319	50,00	00 13.5	87 1,850
Missouri	51,020	28,475 500		25,8	700	13, 210	26, 29	95 1,3 13,5	00
New Hampshire	90,751	91,044	2,33	7 342,	336	98,622	89,87	78 52,9	39 9,690
New York	38,679 19,729	730	100 75		795	4,368	53, 91		27
North Carolina	62,059	623 17,477	109,75 74	8 289,		5,733	33, 42		
Oklahoma	350	4,070	10	0 9,5	500		11	13 6	00 640
Oregon Pennsylvania	5,848 216,358	200 3,935	13.80	8 20,0)52		22,98	3,3	73 75 74
Rhode Island	10,310	159, 525	13,80 1,38	7 184,6		71,700	42,50	52 3.0	00 600
South Carolina	26, 910 12, 665	35,690	25,50	1 8,0	564		11,34		
Texas Utah	1,273	20, 961 3, 500	48, 34	9	100	44,500	28		00 116
Vermont	50,869	993 220	1,33			51,222	9,53	57 6,8 36 14,3 40 20,9	18
Virginia Washington	18,158 68,363	15, 804 16, 196	252, 06		147	16,936 366	16.24	10 20.5	39 1,216
Wisconsin	520	23,664		1,	435 2	226,600	9,58 29,58 16,24 287,88	23 3,1	06 5,075
Wyoming	600 .								*** ******
Total	1,869,316	, 293, 554	798, 46	6 6,667,	104 1,8	322,521	1,652,95	27 787,2	50,609
		Crushed	stone.	-ina	To China			1	
State or Territory.	Road	Railre	ad		Rubb	le. Ri	prap.	Other.	Total.
	making.	balla		ncrete.					
Animone							-		
ArizonaArkansas		* *****			21	50			839 049
California		325	000	\$37,862	\$1 8,1	50	15,000		\$32,042 118,903
	144,815	33	,000 ,819	\$37,862 408,744		91 \$			118,903 1,429,207
Colorado	144,818 335 231,001	33,	819	1,112	8, 1 12, 1	91 \$	33, 982		118, 903 1, 429, 207 65, 402
Connecticut Delaware	144,818 335 231,000 6,814	20, 37,	,750 ,129	408,744 1,112 152,448 48,849	8, 1 12, 1 6, 0 3, 9	91 8 21 8 981 1 962 1	33, 982 . 70, 060 15, 940 .	\$487	118, 903 1, 429, 207 65, 402 1, 385, 369 146, 346
Colorado	144,816 332 231,000 6,814 19,400	33 20 4 37 150	,750 ,129 ,690	408,744 1,112 152,448 48,849 81,400	8, 1 12, 1 6, 0	91 8 21 8 981 1 962 1	70,060	\$487 850	118, 903 1, 429, 207 65, 402 1, 385, 369 146, 346 792, 315
Colorado. Connecticut. Delaware. Georgia. Hawaii. Idaho.	144,818 332 231,000 6,814 19,400 4,476	33, 20, 4, 37, 150,	,750 ,129	408,744 1,112 152,448 48,849 81,400 6,645	8, 1 12, 1 6, 0 3, 9 27, 5	91 \$ 21 : 981 1 962 : 515	70,060 15,940 7,000	\$487 850 12,075	118, 903 1, 429, 207 65, 402 1, 385, 369 146, 346 792, 315 23, 346 400
Colorado. Connecticut. Delaware. Georgia. Hawaii. Idaho.	144,818 332 231,000 6,814 19,400 4,476	33, 2 20, 4 37, 5 150,	,750 ,129 ,690 150	408,744 1,112 152,448 48,849 81,400 6,645	8,1 12,1 6,0 3,9 27,5	91 \$ 21 : 081 1' 062 : 515 : 243 :	70,060 15,940 7,000	\$487 850 12,075 20,692	118, 903 1, 429, 207 65, 402 1, 385, 369 146, 346 792, 315 23, 346 400 2, 560, 021
Colorado. Connecticut. Delaware. Georgia. Hawaii. Idaho.	144,816 332 231,000 6,814 19,400 4,476	33, 20, 4 37, 150,	,750 ,129 ,690	408,744 1,112 152,448 48,849 81,400 6,645 11,504 171,869	8,1 12,1 6,0 3,9 27,5	91 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290	\$487 850 12,075 20,692 23,472	118, 903 1, 429, 207 65, 402 1, 385, 369 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881
Colorado Connecticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota	144,816 33,231,001 6,814 19,400 4,476 9,931 125,656 357,300 31,397	33, 20, 37, 150, 5, 5, 160, 160, 160, 160, 160, 160, 160, 160	, 750 , 129 , 690 150	408,744 1,112 152,448 48,849 81,400 6,645 11,504 171,869 216,289 34,950	8, 1 12, 1 6, 0 3, 9 27, 5 18, 2 52, 8 61, 5 19, 5	91 \$ 21 \$ 1062 515 563 567 553	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660	\$487 850 12,075 20,692	118,903 1,429,207 65,402 1,385,369 146,346 792,315 23,346 400 2,560,021 883,881 3,790,211 626,069
Colorado Comeeticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota Missouri	144, 815 335 231, 001 6, 814 19, 400 4, 476 9, 931 125, 655 357, 306 31, 397	33, 20, 37, 0, 150, 5, 28, 7, 16,	750 129 690 150 803 000	408,744 1,112 152,448 48,849 81,400 6,645 11,504 171,869	8, 1 12, 1 6, 0 3, 9 27, 5 18, 2 52, 5 61, 5 19, 5	91 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107	\$487 850 12,075 20,692 23,472	118,903 1,429,207 65,402 1,385,369 146,346 792,315 23,346 400 2,560,021 883,881 3,790,211 626,069 150,009
Colorado Connecticut Delaware. Georgia Hawaii Idaho Maine Maryland Massachusetts. Minnesota Missouri Montana New Hampshire	144, 816 333 231, 000 6, 814 19, 400 4, 476 9, 931 125, 655 357, 300 31, 397 6, 000 10, 356	33, 2 20, 4 37, 150, 5 5, 28, 7 16,	819 750 129 690 150 803 000 700	408, 744 1, 112 152, 448 48, 849 81, 400 6, 645 11, 504 171, 869 216, 289 34, 950 63, 858	8,1 12,1 6,0 3,6 27,5 18,2 52,5 61,5 19,5 11,0 15,1	91	70,060 15,940 7,000 1,875 4,290 3,107 660 3,557 2,323	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350	118, 903 1, 429, 207 65, 402 1, 385, 369 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131
Colorado Commeticut Delaware. Georgia. Hawaii Idaho Maine Maryland. Massachusetts. Minnesota. Missouri Montana New Hampshire New Jersey	144, 816 231, 000 6, 814 19, 400 4, 476 9, 933 125, 656 357, 306 31, 397 6, 000 10, 356 437, 134	33, 20, 4 37, 150, 5 28, 7 16, 0	819 750 129 690 150 803 000 ,700 426 ,041	408, 744 1, 112 152, 448 48, 849 81, 400 6, 645 11, 504 171, 869 216, 289 34, 950 63, 858 9, 918 245, 864	8,1 12,1 6,0 3,6 27,5 18,2 52,5 61,5 19,5 11,0 15,1 2,5	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668	118, 903 1, 429, 207 65, 402 1, 385, 389 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131 958, 110
Colorado Conmeticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota Missouri Montana New Hampshire New Jersey New York	144, 814 332 231,000 6, 814 19, 400 4, 476 9, 931 125, 655 357, 306 6,000 10, 356 437, 138 253, 366	33, 20, 45, 37, 150, 55, 28, 7, 16, 139, 150, 150, 150, 150, 150, 150, 150, 150	819 750 129 690 150 803 000 ,700 426 041 000	408, 744 1, 112 152, 448 48, 849 81, 400 6, 645 11, 504 171, 869 216, 289 34, 950 63, 858 9, 918 245, 864 267, 076	8, 1 12, 1 6, 0 3, 9 27, 5 18, 2 52, 5 61, 5 11, 0 15, 1 2, 5	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	70,060 15,940 7,000 1,875 4,290 3,107 660 3,557 2,323	\$487 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144	118, 903 1, 429, 207 65, 402 1, 385, 399 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131 958, 110 927, 483
Colorado Commeticut Delaware. Georgia Hawaii Haho Maine Maryland. Massachusetts. Minnesota. Missouri Montana New Hampshire New Jersey New York North Carolina. Oklahoma	144, 814 332 231,000 6, 814 19, 400 4, 476 9, 931 125, 655 357, 306 6,000 10, 356 437, 133 253, 366 18, 691	33, 20, 4, 37, 150, 5, 28, 7, 16, 10,, 11, 139, 4, 45, 1, 134,	819 750 129 690 150 803 000 700 426 041 000 800	408,744 1,112 152,448 48,849 81,400 6,645 11,504 171,869 216,289 246,289 34,950 63,858 9,918 245,864 267,076 60,762 400	8, 1 12, 1 6, 0 3, 9 27, 5 18, 2 52, 6 61, 5 19, 8 11, 0 15, 1 2, 8 5, 8 5, 8 5, 8 5, 8 6, 9 15, 1 15, 1 16, 1 16, 1 17, 1 18, 2 18,	991 \$ 121 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 1, 140 2, 565	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668	118, 903 1, 429, 207 65, 402 1, 385, 389 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131 927, 483 778, 847 118, 847
Colorado Conmeticut Delaware. Georgia. Hawaii Idaho Maine. Maryland. Massachusetts. Minnesota. Missouri Montana New Hampshire. New Jersey. North Carolina Oklahoma Oregon.	144, 814 332 231,000 6, 814 19, 400 4, 476 9, 931 125, 655 357, 306 6,000 10, 356 437, 138 253, 366 18, 691 34, 225	33,3 20,4 37,150 5 6 5,2 16,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1	819 750 129 690 150 803 000 700 426 041 000 800 111	408, 744 1, 112 152, 448 48, 849 81, 400 6, 645 117, 569 216, 289 34, 950 63, 858 9, 918 245, 864 267, 076 60, 762 40, 83, 342	8, 1 6, 0 3, 9 27, 5 18, 2 52, 5 61, 5 19, 5 11, 0 15, 1 2, 5 2, 5 2, 6	991 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 112 4, 140 2, 565 470	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144 17,355	118, 903 1, 429, 207 65, 402 1, 385, 399 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131 988, 110 927, 483 778, 847 18, 847 58, 961
Colorado Commeticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota Missouri Montana New Hampshire New Jersey New York North Carolina Ooklahoma Oregon Pennsylvania Rhode Island	144, 814 33: 231,000 6, 814 19, 400 4, 476 9, 931 125, 655 357, 306 6, 000 10, 356 437, 138 253, 366 18, 691	33, 20, 37, 150, 5 5, 28, 7 16, 0 28, 1 139, 4 139, 4 134, 1 134, 1 134, 1 134,	819 750 129 690 150 803 000 700 426 041 000 800 111 525	408, 744 1, 112 152, 448 48, 849 81, 400 111, 504 171, 869 216, 289 34, 950 63, 858 9, 918 245, 864 267, 076 60, 762 400 8, 342 192, 638 3, 768	8, J 12, 1 6, 0 3, 9 27, 5 52, 5 61, 5 11, 0 15, 1 2, 5 2, 0 36, 6	991 \$ 121 \$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 112 4, 140 2, 565 470 169 745	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144 17,355 11,044 2,450	118, 903 1, 429, 207 65, 402 1, 385, 399 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131 958, 110 927, 483 778, 847 18, 847 18, 861 1, 043, 140 622, 812
Colorado Conmecticut Delaware Georgia Hawaii Idaho Malne Maryland Massachusetts Minnesota Missouri Montana New Hampshire New Jersey New York North Carolina Oklahoma Oregon Pennsylvania Rhode Island South Carolina	144, 814 33: 231,000 6, 814 19, 400 4, 476 9, 931 125, 655 357, 306 6, 000 10, 356 437, 138 253, 366 18, 691	33, 20, 37, 150, 5 5, 28, 7 16, 0 28, 1 139, 4 139, 4 134, 1 134, 1 134, 1 134,	819 750 129 690 150 803 800 700 426 041 041 041 041 525 796	408, 744 1, 112 152, 448 48, 849 81, 400 6, 645 111, 504 171, 869 216, 289 34, 950 63, 858 9, 918 245, 864 267, 076 400 8, 342 192, 638 3, 765 56, 896	8,1 12,1 6,0 3,9 27,5 52,5 61,5 19,5 11,0 15,1 2,5 5,6 36,6 36,6 36,6 36,6 36,6 36,6 36,	991 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 5, 283 112 4, 140 2, 565 470 169 745	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144 17,355	118, 903 1, 429, 207 65, 402 1, 385, 399 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131 958, 110 927, 483 778, 847 18, 847 18, 861 1, 043, 140 622, 812
Colorado Commeticut Delaware. Georgia. Hawaii Idaho Maine Maryland. Massachusetts. Minnesota. Missouri Montana New Hampshire New Jersey. New York North Carolina Oklahoma Oregon Pennsylvania. Rhode Island South Carolina Texas Utah	144, 814 33: 231,000 6, 814 19, 400 4, 476 9, 931 125, 65; 357, 306 6, 000 10, 356 437, 138 253, 366 18, 691 34, 222 322, 55 41, 014 6, 822 7, 200	33,33,33,33,33,33,33,33,33,33,33,33,33,	819 750 129 690 150 803 803 800 700 426 041 000 800 111 525 796 067	408, 744 1,112 152, 448 48, 849 81, 400 6, 645 111, 504 171, 869 216, 289 9, 918 245, 864 267, 076 400 8, 342 192, 638 3, 765 56, 896 13, 294	8,1 12,1 6,0 3,9 27,5 18,2 52,6 61,5 19,5 11,0 15,1 2,6 36,6 6,6	991 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 112 4, 140 2, 565 470 169 745	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144 17,355 11,044 2,450	118, 903 1, 429, 207 65, 402 1, 385, 399 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131 958, 110 927, 483 778, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847
Colorado Commeticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota Missouri Montana New Hampshire New Jersey New York North Carolina Oklahoma Oregon Pennsylvania Rhode Island South Carolina Texas Utah Vermont	144, 814 332 231,000 6, 814 19, 400 4, 476 9, 931 125, 656 357, 300 10, 357 437, 13- 253, 366 18, 699 34, 222 32, 551 41, 018 6, 822 7, 200	33,3 20,3 37,1 50,5 50,5 716,0 139,4 139,4 134,1 134,2 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1	819 750 129 6890 150 803 000 700 426 041 041 090 800 111 525 796 067	408, 744 1, 112 152, 448 48, 849 81, 400 6, 645 111, 504 171, 869 216, 289 34, 950 63, 858 9, 918 245, 864 267, 076 400 8, 342 192, 638 3, 762 400 8, 349 400 8, 349 8, 3	8,1 12,1 6,0 3,6 27,5 18,2 52,5 61,5 11,1 11,1 2,5 5,6 6,6 6,6	991 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 112 4, 140 2, 565 470 169 745 750 16, 875	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144 17,355 11,044 2,450	118, 903 1, 429, 207 65, 402 1, 385, 389 146, 346 792, 315 23, 346 2, 560, 021 626, 069 114, 005 818, 131 957, 847 18, 847 158, 961 1, 043, 140 622, 812 247, 988 168, 061 4, 948 2, 941, 724
Colorado Commeticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota Missouri Montana New Hampshire New York North Carolina Oregon Pennsylvania Rhode Island South Carolina Texas Utah Vermont Virginia	144, 816 231,000 6, 814 19, 400 4, 477 9, 933 125, 655 357, 300 10, 356 437, 134 253, 366 18, 690 34, 222 232, 255 41, 016 6, 6, 822 7, 200 1, 722 34, 981	33,3 20,3 37,1 50,2 50,2 50,2 50,2 50,2 50,2 50,2 50,2	819 750 129 690 150 803 000 700 426 041 000 800 111 525 696 111 100 386	408, 744 1, 112 152, 448 48, 849 81, 400 6, 645 11, 504 171, 869 216, 289 34, 950 63, 858 9, 918 245, 864 267, 076 60, 762 400 8, 342 192, 638 3, 765 56, 896 13, 294 85, 077 85, 077	8,1 12,1 66,0 3,9 27,5 18,2 52,5 61,5 19,5 11,0 15,1 2,5 2,0 36,6 6,6	991 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 112 4, 140 2, 565 470 169 745 750 16, 875 31, 790	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144 17,355 11,044 2,450 750	118, 903 1, 429, 207 65, 402 1, 385, 389 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131 958, 110 927, 483 778, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 340, 900 459, 975
Colorado Commeticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota Missouri Montana New Hampshire New Jersey New York North Carolina Oklahoma Oregon Pennsylvania Rhode Island South Carolina Texas Utah Vermont Virginia Washington Wisconsin	144, 814 231,000 6, 814 19, 400 4, 476 9, 931 125, 656 357, 300 6, 000 10, 356 18, 690 34, 222 232, 551 41, 018 6, 822 7, 200 1, 722 34, 981 13, 266 170, 199	33,3 20,3 37,0 5,0 5,0 5,0 5,0 5,0 5,0 6,0 7,0 16,0 139,4 139,4 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 1	819 750 129 6890 150 803 000 700 426 041 041 090 800 111 525 796 067	408, 744 1, 112 152, 448 48, 849 81, 400 6, 645 111, 504 171, 869 216, 289 34, 950 63, 858 9, 918 245, 864 267, 076 400 8, 342 192, 638 3, 762 400 8, 349 400 8, 349 8, 3	8,1 12,1 6,0 3,6 27,5 18,2 52,5 61,5 11,1 11,1 2,5 5,6 6,6 6,6	991 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 112 4, 140 2, 565 470 169 745 750 16, 875	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144 17,355 11,044 2,450	118, 903 1, 429, 207 65, 402 1, 385, 389 146, 346 792, 315 23, 346 600 2, 560, 021 626, 069 150, 009 114, 005 818, 131 958, 110 927, 483 778, 847 78, 847 18, 847 58, 961 1, 043, 140 622, 812 247, 988 168, 061 4, 948 2, 941, 724 340, 900 459, 975 798, 213
Colorado Commeticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota Missouri Montana New Hampshire New Jersey New York North Carolina Oklahoma Oregon Pennsylvania Rhode Island South Carolina Texas Utah Vermont Virginia Washington	144, 814 231,000 6, 814 19, 400 4, 476 9, 931 125, 656 357, 300 6, 000 10, 356 18, 690 34, 222 232, 551 41, 018 6, 822 7, 200 1, 722 34, 981 13, 266 170, 199	33,3 20,3 37,0 5,0 5,0 5,0 5,0 5,0 5,0 6,0 7,0 16,0 139,4 139,4 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 134,1 1	819 750 129 690 150 803 000 700 426 041 000 800 111 525 696 111 100 386	408, 744 1,112 152, 448 48, 849 81, 400 6, 645 111, 504 171, 869 216, 289 34, 950 63, 858 9, 918 245, 864 267, 076 60, 762 8, 342 192, 638 3, 765 56, 896 13, 294 472 85, 077 4, 963	8,1 12,1 6,0 3,9 27,5 52,5 61,5 19,5 11,0 15,1 2,5 36,6 6,6	991 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 112 4, 140 2, 565 470 16, 875 16, 875 16, 875 31, 790 8, 041	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144 17,355 11,044 2,450 750	118, 903 1, 429, 207 65, 402 1, 385, 399 146, 346 792, 315 23, 346 400 2, 560, 021 883, 881 3, 790, 211 626, 069 150, 009 114, 005 818, 131 958, 110 927, 483 778, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 847 18, 961 1, 043, 140 622, 247, 998 168, 061 4, 948 2, 941, 724 340, 900 459, 975
Colorado Commeticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota Missouri Montana New Hampshire New Jersey New York North Carolina Oklahoma Oregon Pennsylvania Rhode Island South Carolina Texas Utah Vermont Virginia Washington Wisconsin	144, 814 33: 231,000 6,814 19,400 4,476 9,931 125,655 357,306 10,356 437,13- 253,366 18,690 34,222 232,551 41,018 6,822 7,200 1,726 34,988 13,266 170,196	33, 33, 200 4 37, 150, 5 5, 5 5, 7 16, 16, 16, 16, 16, 16, 16, 16, 16, 16,	819 750 129 690 150 803 800 700 700 426 041 041 000 800 111 525 796 067 100 386 500	408, 744 1,112 152, 448 48, 849 81, 400 6, 645 111, 504 171, 869 216, 289 34, 950 63, 858 9, 918 245, 864 267, 076 60, 762 8, 342 192, 638 3, 765 56, 896 13, 294 472 85, 077 4, 963	8,1 12,1 6,0 3,9 27,5 52,5 61,5 19,5 11,0 15,1 2,5 36,6 6,6	991 \$	33, 982 70, 060 15, 940 7, 000 1, 875 4, 290 3, 107 660 3, 557 2, 323 5, 283 112 4, 140 2, 565 470 16, 875 16, 875 16, 875 31, 790 8, 041	\$487 850 12,075 20,692 23,472 1,116 1,810 2,350 8,668 64,144 17,355 11,044 2,450 750	118, 903 1, 429, 207 65, 402 1, 385, 389 146, 346 792, 315 23, 346 600 2, 560, 021 626, 069 150, 009 114, 005 818, 131 958, 110 927, 483 778, 847 78, 847 18, 847 58, 961 1, 043, 140 622, 812 247, 988 168, 061 4, 948 2, 941, 724 340, 900 459, 975 798, 213

The following table shows the value of the production of granite, trap, etc., in the United States from 1902 to 1906, inclusive:

Value of granite, trap, etc., produced in the United States, by States and Territories, 1902–1906.

State or Territory.	1902.	1903.	1904.	1905.	1906.
rizona	\$3,000	\$3,000	\$2,500	\$3,700	\$32,042
rkansas	12,115	47,136	52,616	90, 312	118,903
alifornia	1,137,679	1,627,592	1,742,330	1,700,818	1,429,207
olorado		100, 791	91, 132	73,802	65, 402
onnecticut		1, 101, 425	854, 784	949, 888	1,385,369
Delaware	2000 2000	369, 166	245, 272	178, 428	146,346
leorgia		672,947	942, 466	971,207	792, 315
Iawaii		0,0,00	22,042	33,550	23, 346
daho	12,910	2,750	,	1,500	400
ndian Territory		4,030	5, 152	1,800	300
ansas		-1000		-1000	
faine	THE PERSON NAMED IN COLUMN	2,586,765	2,400,509	2,713,795	2,560,021
farvland		837,787	815, 471	957,048	883, 881
lassachusetts		2,720,066	2,868,305	2,663,329	3,790,211
fichigan				2,000,000	0,100,00
Innesota	478,989	403,906	405, 956	481,908	626,069
fississippi		,	440	2023.000	0.000,000
Iissouri		150, 409	155,716	180,579	150,009
Iontana		25,993	33,890	126,430	114,008
Vevada	2,090	7,450	1,200		
New Hampshire		854, 513	927, 487	838, 371	818, 13
New Jersey		943, 171	833, 518	834,709	958, 110
New York		549,015	622, 986	765, 777	927, 48
North Carolina		218, 947	297,749	564,578	778, 84
)klahoma		5,000	26,930	18,920	18, 847
)regon		118, 411	235, 213	85, 330	58, 96
ennsylvania		829,535	900,530	870, 848	1,043,140
Rhode Island		710, 291	684, 952	556, 364	622, 813
South Carolina		476, 863	382, 428	297, 284	247, 998
South Dakota		(a)	900		
Cexas		173, 325	348, 317	132, 193	168,06
Jtah.		3,803	7,980	13,630	4,948
Vermont		1,810,179	2,447,979	2,571,850	2,941,72
Virginia		299, 335	510,788	452, 390	340,900
Washington		209,095	422,508	681,730	459, 97
Wisconsin		573, 391	724, 422	825, 625	798, 21
Wyoming			557		60
2000 Carlot Carl					
Total	18, 264, 632	18, 436, 087	20, 015, 025	20,637,693	22, 306, 276

a Value of quartzite included in sandstone.

The following table shows the value of the trap produced in the United States in 1905 and 1906, by States and uses:

Value of trap produced in the United States in 1905 and 1906, by States and uses. 1905.

			Cr	ushed stone			
State.	Building.	Paving.	Road mak- ing.	Railroad ballast.	Concrete.	Other.	Total.
California	\$2,051 5,709 18,080 9,496 14,400 5,842	\$51,538 948 57,301 37,000 3,461	\$226, 489 173, 823 272, 306 483, 529 444, 552 162, 112	\$29, 243 8, 067 905 53, 892 69, 600 68, 669	\$197, 249 113, 977 117, 800 147, 333 65, 800 142, 760	\$32,918 11,000 2,919 6,400	\$539, 488 313, 524 412, 010 757, 951 631, 352 420, 229
' Total	55, 578	150, 248	1, 762, 811	230, 376	784, 919	90, 622	2, 074, 554
			1906.		III. VIII. III.	THE PARTY OF	
California. Connecticut Massachusetts New Jersey New York Pennsylvania.	\$46, 414 5, 162 16, 540 17, 660 8, 907	\$136, 310 340 52, 700 3, 662	\$97, 787 228, 353 286, 412 432, 134 250, 215 201, 239	\$9,019 20,750 28,000 92,728 45,000 281,525	\$392, 379 148, 439 131, 343 245, 564 264, 076 186, 900	\$6,514 8,301 500 16,100 64,144 11,454	\$688, 423 411, 345 462, 795 856, 886 623, 435 693, 687
Total	94, 683	193, 012	1, 496, 140	477, 022	1,368,701	107,013	3, 736, 571

From this table it appears that the value of trap increased from \$3,074,554 in 1905 to \$3,736,571 in 1906, an increase of \$662,017.

California, Connecticut, Massachusetts, New Jersey, and Pennsyl-

vania increased in value of output, and New York decreased.

Of the crushed stone, the stone for road making decreased from \$1,762,811 in 1905 to \$1,496,140 in 1906, a loss of \$266,671. Railroad ballast increased from \$230,376 in 1905 to \$477,022 in 1906, a gain of \$246,646. Concrete showed the large increase of \$583,782, from \$784,919 in 1905 to \$1,368,701 in 1906.

The following table shows the number and value of paving blocks

produced in 1905 and 1906, by States:

Number and value of paving blocks produced in 1905 and 1906, by States and Territories.

		Paving	blocks.	
State or Territory.	190	15.	1906.	
	Number.	Value.	Number.	Value.
Arkansas	11, 425	\$457		
California	6, 504, 735	250,801	4, 495, 391	\$197, 42
Connecticut	1,045,215	43,931	823,878	62, 64
Delaware	183, 150	6,836	162, 281	7,78
Georgia	7,946,000	296,750	3,927,500	123, 21
Maine	8, 188, 596	324,858	8,658,437	336, 979
Maryland	869,000	38,900	1, 126, 082	51, 539
Massachusetts	6,594,650	270,308	4,936,078	199, 45
Minnesota	1,487,496	98,530	744, 150	50,000
Missouri	1,529,364	69,640	624, 453	26, 29,
Montana	50,000	3,500	Service State of the service of the	
New Hampshire	2,084,202	76,822	2, 298, 145	89,87
New Jersey	1,935,607	58,322	1,752,767	53,91
New York	420,800	20,600		
North Carolina.	1,139,675	48,234	974, 330	33, 42
Oklahoma			2,250	11
Oregon	2,000	80		
Pennsylvania	820,982	35,026	543, 485	22,98
Rhode Island	1,503,794	82,641	834,001	42,53
South Carolina	348, 500	9,604	348, 615	11,34
Texas	5,000	250	10,000	25
Vermont	413, 898	16,628	282,930	9,55
Virginia	913, 440	19,220	1,385,000	29,53
Washington	14,000	420	230,000	16, 24
Wisconsin	6, 395, 236	361, 515	5, 110, 586	287, 82
Total	50, 406, 765	2, 133, 873	39, 270, 359	1,652,92

From this table it will be seen that the number and value of paving blocks decreased from 50,406,765 blocks, valued at \$2,133,873, in 1905, to 39,270,359 blocks, valued at \$1,652,927, in 1906, a decrease of 11,136,406 in number and of \$480,946 in value. The average value per thousand was \$42.33 in 1905 and \$42.09 in 1906. Paving blocks vary in price from \$15 per thousand to about \$80 per thousand, according to size and regularity of shape. Quarrymen generally reported that at the prices obtained for the paving blocks it did not pay for making them at the present cost of labor.

In many localities, especially in the New England States, paving blocks are cut from the refuse stone of the larger quarries, the cutter paying a small price for the rough stone, or paying a certain amount for every thousand cut. Some men go around the country and blast and trim up bowlders and sell the blocks if 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.

Sandstone showed more than any other variety of stone the effect of the use of cement for foundations, building material, paving, flagging, and curbing, and the use of concrete blocks for buildings, and this effect was not offset, as in granite and limestone, by any other great increase in output, ganister rock being the only product showing a decided increase in value of production. As with the other kinds of stone, scarcity and high price of labor and cost of fuel and supplies lessened the activity of the trade.

The total value of the output of sandstone in 1906 was reported as \$9,169,337; in 1905 the value of the output was \$10,006,774, a decrease of \$837,437 for 1906. The total value for 1906 is the smallest since 1901, when the value of the total output was \$8,138,680.

Pennsylvania, New York, and Ohio, with values, respectively, of \$2,724,874, \$1,905,892, and \$1,426,645, contributed the largest quantity of sandstone to the total output of the United States, these three States producing 66.06 per cent of the total in 1906. In 1905 the rank of the States was the same, Pennsylvania's production being valued at \$2,487,939, New York's at \$1,831,756, and Ohio's at \$1,744,472, an increase in 1906 of \$236,935 for Pennsylvania, an increase of \$74,136 for New York, and a decrease of \$317,827 for Ohio. The production of these three States in 1905 was 60.6 per cent of the total.

In New York and Pennsylvania part of the sandstone output is known to the trade as bluestone, the production of which is given in a separate table. A small part of New York's output in 1906 is really the value of the Connecticut output, Connecticut's production being included in that for New York in order to conceal individual figures.

Of the other States producing sandstone, California, Colorado, Minnesota, Massachusetts, and New Jersey report the largest output, each, however, showing a decrease for 1906. An increase for 1906 is shown by Alabama, Indiana, Nebraska, New York, Oklahoma, Oregon, Pennsylvania, Tennessee, Utah, Virginia, Washington, and Wisconsin: a decrease is shown in the charge of the color of

Wisconsin; a decrease is shown in the other States. Building stone.—The chief use of sandstone is for building purposes, the output for which, including both the rough and the cut or sawed stone sold by the producers, was valued at \$4,275,669 in 1906 and at \$4,702,189 in 1905, a decrease of \$426,520. These figures for 1906 included rough stone valued at \$1,765,649 and cut or sawed stone valued at \$2,510,020, and for 1905 rough stone valued at \$2,114,270 and cut or sawed stone valued at \$2,587,919, a decrease of \$348,621 for rough building stone and of \$77,899 for the dressed stone. Pennsylvania, Ohio, California, and New York, with values of \$1,317,290, \$867,111, \$514,173, and \$472,284, respectively, were the ranking States in the building-sandstone output in 1905; in 1906 the order was Pennsylvania, New York, Ohio, and California, with values of \$1,346,140, \$724,164, \$659,611, \$400,083, respectively, Ohio and New York changing places, with increases in 1906 of \$28,850 for Pennsylvania and \$251,880 for New York and with decreases of \$207,500 for Ohio and \$114,090 for California. The Pennsylvania output includes a considerable quantity of fine-grained sandstone known locally as bluestone, which, besides the common use for construction work, is

employed extensively for the trimming of buildings, such as sills, lintels, copings, and steps. The value of this stone for 1906 was \$268,290, as compared with \$292,062 in 1905, a decrease of \$23,772. The rest of the Pennsylvania building-stone output is largely for railroad bridges, being used by the Pennsylvania Railroad and other railroads in renewing bridges and elevating the tracks. It is also used in the construction and the ornamentation of buildings.

The building stone from Ohio is used chiefly in the construction of

buildings; some is used for heavy bridge masonry.

The California building stone is used chiefly for regular construction work, but some is used for bridges. The decrease for 1906 is due to the demoralized condition of trade incident to the earthquake and the fire.

The New York sandstone output, like that of Pennsylvania, includes a quantity of bluestone. In 1906 the value of this bluestone from New York was \$492,552, an increase of \$141,547, as compared

with \$351,005 in 1905.

Rubble.—Rubble used in all kinds of rough building of walls and foundations decreased from \$527,918 in 1905 to \$525,108 in 1906, a loss of \$2,810. The greater part of this sandstone is from Pennsylvania.

Paving.—Paving blocks to the value of \$694,995 was produced in 1906, a decrease of \$46,687 from the 1905 output, which was \$741,682. New York and Pennsylvania furnished the greater part of this

material.

Flagsing to the value of \$1,097,438 was produced in 1906, a decrease of \$123,910, as compared with \$1,221,348, reported in 1905. Ohio, New York, and Pennsylvania, with outputs, respectively, of \$383,457, \$366,423, and \$277,623, furnished most of this class of stone, practically all of the New York and Pennsylvania stone of this class being bluestone.

Curbstone.—Curbing to the value of \$1,074,369 was reported in 1906, an increase of \$29,386 over \$1,044,983 in 1905. New York, Pennsylvania, and Ohio, with outputs, respectively, of \$375,539, \$305,470, and \$251,509, were the chief States producing this class of stone. About half of the New York and Pennsylvania output for

curbing was bluestone.

Crushed stone.—In 1906 1,257,508 tons of crushed sandstone, valued at \$889,894, were reported, as compared with 1,593,087 tons in 1905, valued at \$1,008,270, a decrease in 1906 of 335,579 tons in quantity and of \$118,376 in value. The greater part of the crushed stone was for concrete, a use which increased from 371,415 tons, valued at \$311,044, in 1905 to 537,138 tons, valued at \$411,300, in 1906, a gain of 165,723 tons and of \$100,256. Crushed sandstone for road making decreased from 452,268 tons, valued at \$355,269, in 1905, to 358,076 tons, valued at \$299,877, in 1906, a decrease of 94,192 tons and of \$55,392. Sandstone for railroad ballast decreased from 769,404 tons, valued at \$341,957, in 1905, to 362,294 tons, valued at \$178,717, in 1906, a decrease of 407,110 tons and of \$163,240. Pennsylvania, California, and Massachusetts produce the most of this class of stone.

Ganister.—Ganister rock is reported in 1906 from but six States, Pennsylvania, Colorado, Wisconsin, Ohio, Maryland, and Illinois, in the order of value of output. In 1905 seven States reported output

of this material, Pennsylvania, Colorado, Wisconsin, Ohio, Maryland, Illinois, and Kansas, in the order of value of output. In 1906 the production increased \$97,943, from \$186,123 in 1905 to \$284,066 in 1906.

Riprap.—Riprap valued at \$290,952 was reported in 1905, and at \$231,654 in 1906, a decrease of \$59,298. Pennsylvania, Texas, and

Ohio reported the greater part of this output.

Other purposes.—Sandstone for other purposes, valued at \$96,144, was reported in 1906, as against \$283,309 in 1905, a decrease of \$187,165 in 1906. This includes stone for monumental work and for posts and coverings.

The total output does not include sandstone made into appraises, such as grindstones, whetstones, oilstones, and pulpstones, nor does it include sandstone ground into sand and used for glass sand, mold-

ing sand, and polishing sand.

The following table shows the value of the sandstone production of the United States in 1905 and 1906, by States and Territories and uses:

Value of sandstone produced in the United States in 1905 and 1906, by States and Territories and uses.

1905.

By Balletin Market	Thomas	There is a	Cr	ushed stor	ne.		
State or Territory.	Rough building.	Dressed building.	Road making.	Railroad ballast.	Concrete.	Ganister.	Riprap.
labama	\$100						\$24,50
Arizona		\$16,083	********		\$229	********	41,33
Arkansas	6,372	6,229	\$900	*********	27,600		54
alifornia	57,823	456, 350	92,605	\$12,202		*********	
Colorado	209,891	20,590			3,833	\$32,000	1,85
Connecticut	51,382	5,789					4
daho	12,940	4,300	********			********	20
llinois	15, 324	7,875	150			480	40
ndiana	5,575	6,200		********			1,50
ndian Territory	300	1,250				********	*******
owa	7,165	422	300		50		- 11
Cansas	30, 868	4,838				100	3
Centucky	77,117	28, 225	12,500	111,920			1,04
Maryland	4,904		********	80	*********	8,000	
dassachusetts	55,964	35, 269	157,244		115,924		
Michigan	64,056	36,035	********				
Minnesota	24,610	58,853	4,000	140	12,800		4, 23
Missouri	15,890	4,039	75		35		1,56
dontana	9,882	30,072			1,200		61
Nebraska	108						
Nevada	1,500				********		
New Jersey	161, 200	27,868	7,650		9,100		37
New Mexico	1,820	3,500		85,000	1,575		******
New York	210,760	261,524	5,259	3,500	28,934		23,87
North Carolina	150	3,858					
North Dakota	955	100	*******				
Ohio	405,976	461, 135	15,207	2,200	10,785	9,020	37,88
Oklahoma	9,074	1,950	175		185		20
Oregon	520	389	26				10
Pennsylvania	444,768	872,522	46,911	119,392	62,371	122,909	81,4
South Dakota	39, 491	65,780	804		12,000		14,70
Tennessee	1,035	5,000	100				
Cexas	7,858	18, 425		1,500	19,375		46, 48
Utah	10,360	1,058					
Virginia	2,000						
Washington	55, 695	15,000					3,10
West Virginia	48, 887	50, 691	5,525	4,273	4,638		39
Wisconsin	42,864	76, 160	5,838		375	13,614	4, 39
Wyoming	19,086	540		1,750	35		
					1000		
Total	2,114,270	2,587,919	355, 269	341,957	311,044	186, 123	290, 95

Value of sandstone produced in the United States in 1905 and 1906, by States and Territories and uses—Continued.

1905-Continued.

State or Territory.	Rubble.	Paving.	Flagging.	Curbing.	Other.	Total.
Alabama	\$3,500					\$28,107
Arizona	7,912					65,558
Arkansas	7,950	\$300	\$1,550	\$6,720		58, 161
California	37, 437	9000	41,000	1,350	\$27,901	685,668
Colorado	24,712	16,169	91,750	46, 352	5,882	453, 029
Connecticut	5, 402	10,100	31,100	30,002	0,000	62,618
daho.	4.825					22, 265
Illinois	2,360	0.100	118	300	*********	29, 115
		2,100	279	312	*********	15, 421
ndiana	1,555		2/9	512	*********	
Indian Territory	648					2,198
lowa	640		250	75	320	9,335
Kansas	1,159	40	25, 139	3,655	13,783	79,617
Kentucky	9,330	40	34,650	2,750	3,000	280,579
Maryland						12,984
Massachusetts	2,660	400			*********	367, 461
Michigan	10,332				12,700	123, 123
Minnesota	35, 569	131,883	7,200	14,812	537	294,640
Missouri	3,013	30	288	128	2,620	27,686
Montana	3,218			TTER	132	45,116
Nebraska	3,50				12	120
Nevada					COLUMN TO SECURE	1,500
New Jersey	50,000		13,000	12,200	13, 326	294, 719
New Mexico	2,327		300	12,200	7,000	101, 522
New York	15,347	378, 455	354, 216	395, 124	154, 762	1,831,756
North Carolina	475	010, 300	004, 210	000,141	102,102	4, 483
North Dakota	210			**********	******	1,055
	60,672	1 600	400 000	270, 489	5,751	1,744,472
Ohio		1,600	463,757		0,701	12,914
Oklahoma	780	175	160	215	194	
Oregon		***********	*************	200 040		1,229
Pennsylvania	117,733	107,854	227, 181	269,848	14,995	2,487,939
South Dakota	15, 262	43, 440	270	1,660	*********	193, 408
Tennessee	2,500			50	30	8,710
Texas	5,788	4,000		3,360	16,490	123, 281
Utah	13,900	10,316	740	6,480	575	43, 429
Virginia						2,000
Washington	6, 435	44, 680				124,910
West Virginia	46, 565			7,475	2,860	171,309
Wisconsin	17,061			1,248	190	161,741
Wyoming	10,851	200	500	380	249	33, 591
Total	527, 918	741,682	1,221,348	1,044,983	283, 309	10,006,774

1906.

	75		Cr	ushed stor	ne.		
State or Territory.	Rough building.	Dressed building.	Road making.	Railroad ballast.	Concrete.	Ganister,	Riprap.
Alabama							\$25, 492
Arizona	\$4,358 2,879	\$1,746	\$977		\$22,952		1,625 350
California	100, 483	299,600	178,548	\$585	33,942		63
Colorado	67, 139	15,301		7,600	25,027	\$40,522	1,314
Connecticut							
Idaho	5,088	756					
Illinois	7,735	4,885	200	********		1,500	705
IndianaIndian Territory	4,550 467	19,240					1,200
	4, 184	30	150				32
Kansas	23, 496	700	100	********			0.2
Kentucky	64, 161	41,762		7,500	500		2,875
Maryland	3,661		8		100	5,760	
Massachusetts	53,016	52, 402	33,208		112,885		
Michigan	35, 272	18,950			**********		770
Minnesota	13, 112	58,789	11,619		37,918		7,531
Missouri	6,802	7, 298		********			1,400 465
Mentana Nebraska	4, 257 374	30, 477			18		6,500
New Jersey	119, 413	21, 250	9,400	200	3, 150		1,000
New Mexico	4,040	3, 225	0, 100	30,324	0,100		-,
New York	230, 102	494,062	6,600		2,365		2,040
North Carolina		2,000					
North Dakota	10		********				
Ohio	310, 256	349, 355	6,800	19,300	13,575	6,750	38, 350
Oklahoma	22,908	8,650	50		2,075		50

Value of sandstone produced in the United States in 1905 and 1906, by States and Territories and uses—Continued.

1906-Continued.

	**		C	rushed st	one.		TO FRANCIS
State or Territory.	Rough building.	Dressed building.	Road making.	Railroad ballast.	Concret	Ganister.	Riprap.
Oregon Pennsylvania South Dakota	\$25,845 510,299 26,101	\$105 835,841 30,356	\$34,000	\$108,391 157	\$103, 12 14, 00		\$66, 626 13, 96
rennessee	250 8,713 600	10,531 21,302 2,014	9,000	1,000	23, 85	0	40,98
Utah Virginia Washington	1,250 41,982	250 59,700			3,60	0	1,92
West Virginia Wisconsin Wyoming	27, 169 21, 071 14, 606	32, 186 82, 357 4, 900	3,734 5,403	3,560		3 32,730 5	1,070 15,320
Total	1,765,649	2,510,020	299, 877	178,717	411,30		231, 65
State or Territory.	Rubble.	Paving.	Flaggin	g. Cur	bing.	Other.	Total.
Alabama	\$14,975						\$40, 46
Arizona	1,036 2,225	\$25	\$4,6	36	19, 873	\$26, 130	33, 14 55, 70
California	18,050 29,655	16, 225	33,7		8, 642 44, 543	2, 253 5, 515	642, 16 286, 54
Connecticut	6,125 1,500	2,500		50	50		(a) 11, 96 19, 12
Indiana	1,350 140	8	1	50	4, 250		30, 74 61
Iowa Kansas Kentucky	460 1,975 3,450	2, 450 1, 200	6,5 1,8		6, 297 1, 800	1,345	5, 60 42, 80 125, 12
Maryland	6,860				4	2,350	9, 58 260, 72
Michigan	10, 403 31, 209 3, 115	72,012	2,7	708 118	42, 193	8,542 1,500	65, 39 285, 63 20, 95
Montana Nebraska New Jersey	2,110	7 500	5,6	50	2,950	6,629	37, 46 6, 89 215, 14
New Mexico New York	3,010 48,362	374, 278	366, 4		375	1,600 6,121	42,57 51,905,89
North Carolina North Daketa Ohio	895 4 36,696	20 350	383,4	157	251, 509	636 10 10, 247	3, 53 1, 426, 64
Oklahoma Oregon	6,263		1	115	60	75	40, 24 25, 95
Pennsylvania South Dakota Tennessee	152,971 27,875 3,000	112, 456 32, 300	277,6	323 354 75	320 320 150	21, 273 59 30	2, 724, 87 145, 96 14, 13
l'exas	5,903 17,645	16,750		20	630 400	152 100	111, 53 37, 52 5, 10
Virginia Washington West Virginia	2, 410 14, 418	62, 922 592	10,	185	8, 125	563 219	169, 50 113, 36
Wisconsin Wyoming	23,084 2,934	100 200	1,1	120	758 .		181, 98 24, 71
Total	525, 108	694, 995	1,097,	138 1,0	74,369	96,144	9, 169, 33

a Included in New York.

b Includes Connecticut.

The following table shows the value of the sandstone production in the United States from 1902 to 1906, inclusive, by States and Territories:

Value of sandstone production in the United States, 1902-1906, by States and Territories.

State or Territory.	1902.	1903.	1904.	1905.	1906.
Jabama	\$42,706	\$42,933	\$12,788	\$28,107	\$40, 467
rizona	107,910	526, 875	91,960	65, 558	33,149
rkansas		61,172	63,950	58, 161	55, 70
alifornia	462,328	762,327	735, 662	685, 668	642, 166
olorado		389, 132	281,142	453,029	286, 54
Connecticut		119, 417	117,696	62,618	(a)
leorgia			221,1000	CHECK CHANGE	
daho		11,856	9,320	22,265	11,96
llinois		26, 293	47,377	29,115	19, 12
ndiana		32,651	22, 681	15, 421	30,74
ndian Territory		Om, OOI	20,001	2,198	61.
owa		19,011	9,300	9,335	5, 60
Cansas		102,128	130, 516	79, 617	42,80
Kansas		93,742	93, 622	280,579	125, 12
ouisiana		30,142	8,315	200,010	120,10
		2,170	8,998	12,984	9,53
darylanddassachusetts.		372, 478	320,861	367, 461	260,72
		121, 350	74,868	123, 123	65,39
dichigan				294, 640	285, 43
dinnesota		363, 262	319, 209		
dissouri		49, 402	44, 455	27,686	20,95
Iontana		68,036	64, 232	45,116	37, 46
Nebraska	. 168	1,067	142	120	6, 89
Nevada		2,370	10, 558	1,500	
New Jersey		364,337	236, 426	294,719	215,14
New Mexico	. 12, 291	7,510	133,390	101,522	42, 57
New York		b 1,756,501	b 1,755,524	b 1,831,756	b c 1,905,89
North Carolina	4,825	600	250	4, 483	3,53
North Dakota		**********	*********	1,055	4
Ohio		1,793,379	1,808,062	1,744,472	1,426,64
Oklahoma	-} 25,309	6,500	2,995	12,914	40,24
)regon	-11	2,912	6,186	1,229	25,95
Pennsylvania	b 2,800,108	b 3, 255, 073	b 2, 641, 510	b 2, 487, 939	6 2,724,87
South Dakota	. 110,789	163,067	338,970	193, 408	145,96
Cennessee	7,670	20,649	24, 868	8,715	14,13
exas		114,381	209.313	123, 281	111,53
Jtah		71,279	70,168	43, 429	137,52
Virginia		4, 471	13, 522	2,000	5,10
Washington		47, 430	88, 185	124,910	169,50
West Virginia		252, 204	287,381	171,309	113, 36
Wisconsin		142, 445	158, 503	161,741	181,98
		91,849	30,986	33, 591	24.71
Wyoming	00,001	04,010	00,000	00,001	7.17
Total	. 10, 594, 483	11,262,259	10, 273, 891	10,006,774	9,169,33
I Otdi	10,004,400	11,000,000	AUS ME US DOA	10,000,112	- 0,200,00

a Included in New York.

The following table shows the value and uses of the bluestone produced in New York and Pennsylvania in 1905 and 1906:

Value and uses of bluestone produced in New York and Pennsylvania in 1905 and 1906.

		1905				
State.	Building purposes.	Flagging.	Curbing.	Crushed stone.	Other purposes.	Total value.
New York	\$351,005 292,062	\$330, 566 216, 435	\$273, 534 157, 391	\$38,877	\$150,359 121,396	\$1,105,464 826,161
Total	643,067	547,001	430, 925	38,877	271,755	1,931,625
		1906				
New York	\$492,552 268,290	\$365, 483 265, 481	\$235,791 170,103	\$600 54,994	\$44, 508 124, 096	\$1,138,934 882,964
Total	760,842	630,964	405, 894	55, 594	168, 604	2,021,898

b Includes bluestone.

c Includes Connecticut.

From this table it appears that the variety of sandstone known as bluestone in New York and Pennsylvania increased somewhat in value, from \$1,931,625 in 1905 to \$2,021,898 in 1906, a gain of \$90,273. This increase was in the value of building stone and flagging, which with curbing are the chief uses of this class of stone. Both New York and Pennsylvania increased in value of output in 1906, New York from \$1,105,464 in 1905 to \$1,138,934 in 1906, or \$33,470, and Pennsylvania from \$826,161 in 1905 to \$882,964 in 1906, or \$56,803. The bluestone output of these two States in 1906 represented 22.05 per cent of the total sandstone output of the United States. New Jersey and West Virginia also produced sandstone known to the trade as bluestone.

MARBLE.

The marble output in the United States in 1906 was valued at \$7,582,938, as compared with \$7,129,071 in 1905, an increase of

\$453,867.

Vermont produces the greater part of the marble of the United States, the value reported by this State being \$4,576,913 in 1906 as compared with \$4,410,820 in 1905, an increase of \$166,093. The increase in 1906 was smaller than in 1905, a loss due to the fact that considerably less rough stone was sold for building in 1906 than in 1905. The increase in value of Vermont marble from 1902, when the value was \$2,628,164, to 1906 has been \$1,948,749. The increase in 1905 over 1904, when the figures were \$4,004,669, was \$406,151. The output of this State represented 60.36 per cent of the total marble output of the United States in 1906 and 61.87 per cent in 1905. The marble from this State as sold by the producers is principally dressed stone for monumental, building, and interior work, and for electrical work, mosaic work, etc., and represented, in 1906, about 1,400,000 cubic feet.

Georgia ranks second in the marble-producing States, its value of output, \$919,356 in 1906, representing 12.12 per cent of the total of the United States; in 1905 the output was \$774,550, or 10.86 per cent, a gain of \$144,806. The greater part of this stone is sold rough to the manufacturers and contractors for building and monumental work.

and represented about 875,000 cubic feet in 1906.

The next States in order of output in 1906 were Tennessee, with an output of \$635,821, representing about 375,000 cubic feet; New York with \$557,954, and Massachusetts with \$271,934; in 1905 New York, with an output of \$795,721, exceeded Tennessee, whose output was \$582,229; and the output of Massachusetts in 1905 was but \$166,360, an increase for 1906 of \$53,592 for Tennessee, a decrease for New York of \$237,767, and an increase for Massachusetts of \$105,574. In 1906 Alabama, Alaska, Arkansas, Califorina, Maryland, Nevada, Pennsylvania, and Utah increased in value of output of marble, while New Mexico, Washington, and Wyoming decreased. The output from Alabama, Alaska, Arkansas, and Nevada represented either new or renewed operations. As to Alaska only the figures for rough stone are included.

Missouri produced some marble in 1906, but the figures are included in those for limestone to avoid disclosure of individual production.

Pennsylvania's output includes a production of serpentine from Northampton County, and small quantities of serpentine are also included in the report from Georgia.

The outputs of California, New Mexico, Utah, and Wyoming include small quantities of onyx.

The greater part of the marble output is for building and monumental work, the values for the two being nearly equal in 1906.

Building stone.—The figures for 1906 were, for building stone, rough and dressed, \$2,782,620, a decrease of \$145,020 from the figures for 1905, which were \$2,927,640. The total includes \$1,222,695 for rough building and \$1,559,925 for dressed building; in 1905 the rough building marble sold was valued at \$1,759,190 and the dressed building at \$1,168,450, showing for 1906 a decrease of \$536,495 for rough stock and an increase of \$391,475 in dressed marble. The value of Vermont's building marble, \$1,163,945, represented 41.83 per cent of the total; the Georgia output, valued at \$487,856, represented 17.53 per cent, and the New York output, valued at \$363,713, 13.07 per cent of the total.

Monumental stone.—In 1906 the total monumental marble was valued at \$2,657,813 and in 1905 at \$2,270,217, an increase of \$387,596. In 1906 the total includes \$442,941 as the value of rough monumental stock and \$2,214,872 the value of dressed monumental stone; the corresponding figures for 1905 are \$1,099,938 for rough monumental stone and \$1,170,279 for dressed stone, a decrease of \$656,997 for rough stock and an increase of \$1,044,593 for dressed stone. Vermont, with a value of \$2,060,533 for this class of stone, produced 77.53 per cent of the total; Georgia and New York ranked next in production of monumental stone.

Ornamental stone.—The greater part of the small quantity of ornamental marble was produced in Vermont, and this stone increased

in value from \$13,643 in 1905 to \$44,523 in 1906.

Interior stone.—Vermont, Tennessee, and Massachusetts produced most of the marble for interior work, the total value for 1906 being \$1,722,445, as against \$1,682,651 for 1905, an increase of \$39,794 in 1906.

Other marble.—Rough stone for other purposes includes chiefly waste stone sold to lime burners, carbonic-acid factories, pulp mills, and for road material. The dressed stone for other purposes includes considerable stone for electrical work and mosaics.

The following table shows the value of the marble produced in the United States in 1905 and 1906, by States and Territories and uses:

Value of the marble product, 1905 and 1906, by States and Territories and uses.

			1	.905.					olan 7	
and seen its	tronk!	Rough.			Dressed.					
State or Territory.	Build- ing.	Monu- mental.	Other purposes.	Build- ing.	Monu- mental.	Orna- men- tal.	Interior decoration.	Other purposes.	Total.	
Alaska. Arkansas. California. Georgia. Maryland. Massachusetts. New Mexico. New York. Pennsylvania. Tennessee. Utah. Vermont. Washington. Wyeming.	\$750 4,390 370,047 7,168 11,622 300 214,023 8,986 237,399 600 903,905	\$250 2,075 275,000 80,916 750 830 740,117	\$1,300 72,500 3,930 6,828 13,677 4,200 500 25,479	\$5,000 45,421 90,782 15,915 1,500 391,037 59,951 4,000	\$700 7, 575 11, 582 400 96, 088 24, 000 11, 000 550 1, 015, 904 2, 500	\$10 200 	\$75,000 36,524 131,995 323,500 1,055,632 60,000	\$5,000 101,506	\$710 1,000 95,540 774,550 138,404 166,360 2,200 795,721 97,887 582,228 1,150 60,000 2,500	
Total	1,759,190	1,099,938	128, 414	1, 168, 450	1, 170, 279	13,643	1, 682, 651	106, 506	7, 129, 071	

Value of the marble product, 1905 and 1906, by States and Territories and uses-Cont'd. 1906.

THE PARTY OF		Rough.		The state of	Dressed.					
State or Territory.	Build- ing.	Monu- mental.	Other pur- poses.	Build- ing.	Monu- mental.	Orna- men- tal.	Interior decoration.	Other purposes.	Total.	
Alabama	\$26,500			\$48,500	\$10,000				\$85,000 (a)	
Arkansas California Georgia	7,000 10,638 425,356	\$2,400 5,210 332,500	\$75,000	7,500 2,400 62,500	8,300 24,000	\$2,000	\$73,000	\$1,500	16, 900 103, 048 919, 356	
Maryland Massachusetts Missouri	91,000 1,995	16, 400 15	9,495 10,600	59,600 113,380	100		140,844	5,000	176, 495 271, 934 (b)	
Nevada New Mexico	5,000	500							5,000	
New York Pennsylvania Tennessee Utah	240, 853 16, 306 210, 421	30, 200 560	21,846 4,000	122, 860 125, 766 40, 100	140, 195 13, 500 6, 000	5,000	2,000 6,500 358,100	21, 200	557, 954 171, 632 635, 821	
Vermont. Washington Wyoming	186,626	52,756 1,000	4,607 3,985	977, 319	2,007,777 5,000	32,523 5,000	1,097,001 45,000	218, 304	1, 400 4, 576, 918 c 59, 988 1, 000	
Total	1,222,695	442,941	129, 533	1, 559, 925	2,214,872	44, 523	1,722,445	246,004	7,582,938	

a Included in Washington. b Included in limestone to prevent disclosure of individual figures. c Includes Alaska.

The following table shows the value of the marble produced in the United States from 1902 to 1906, inclusive, by States and Territories:

Value of marble produced in the United States, 1902-1906, by States and Territories.

State or Territory.	1902.	1903.	1904.	1905.	1906.
AlabamaAlaska	(a)	(a)	(a) (a)	\$710	\$85,000 (b)
Arkansas	(a)	(a)		1,000	16,900
California	(a)	\$78,329 (a) 565,605	\$87,659 (a) 690,714	95, 540	103, 048 919, 356
Maryland	(a) 165, 489	83,672 154,228	73, 814 183, 388	138, 404 166, 360	176, 495 271, 934
Missouri	CONTRACTOR OF THE PARTY OF THE	(a)	(a)		(c) 5,000
New Mexico. New York North Carolina.		(a) 748, 160	4, 250 565, 987	2, 200 795, 721	500 557, 954
North Carolina Pennsylvania Tennessee		4, 365 93, 200 485, 905	2,741 90,390 505,259	97, 887 582, 229	171, 632 635, 821
UtahVermont	2, 628, 164	3,200 3,011,505	3,950 4,004,669	1,150 4,410,820	1,400 4,576,913
Washington	61, 176 d 180, 561	40,117 3,100 e 91,300	23,098 2,000 159,916	60,000 2,500	59, 985 1, 000
Total	5,044,182	5,362,686	6, 297, 835	7, 129, 071	7,582,938

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

The following table shows the various uses to which the marble quarried in 1902, 1903, 1904, 1905, and 1906 was put:

Use.	1902.	1903.	1904.	1905.	1906.
Sold by producers in rough state	\$2,275,429 1,038,302 7,300 956,870 679,913 86,368	\$2,454,263 1,111,072 51,359 1,092,339 663,553 20,100	\$2,599,052 988,671 21,554 1,211,389 1,257,963 219,206	\$2,987,542 1,168,450 13,643 1,170,279 1,682,651 106,506	\$1,795,169 1,559,925 44,523 2,214,872 1,722,445 246,004
Total	5,044,182	5, 362, 686	6, 297, 835	7, 129, 071	7,582,938

From this table it appears that while the rough marble sold to manufacturers, dealers, and contractors, decreased in value, the dressed stone of all kinds sold by the quarrymen increased.

LIMESTONE.

The value of the limestone in this report does not include the value of stone burned into lime or the value of the lime burned from the stone, this being in a special report on lime. However, a considerable quantity of limestone, valued at \$822,330, is included, more or less of which was eventually burned into lime and used by alkali works, sugar refineries, glass factories, paper mills, carbonic-acid plants, or burned for use as fertilizer on land. A large quantity of limestone used in the manufacture of Portland cement is also not included in this report, as its value enters into and is included in the value of the cement.

The total limestone output increased in value from \$26,025,210 in

1905 to \$27,320,243 in 1906, an increase of \$1,295,033.

Limestone crushed for concrete, railroad ballast, and macadam increased in value, as did limestone for furnace flux, paving, curbing, and for use in the manufacture of sugar, paper, carbonic acid, and alkalies; limestone for building, flagstone, rubble, and riprap, decreased in value. Limestone producers, especially those selling stone for building, rubble, curbing, and flagstones, report the increased use of cement and concrete, and the increased cost of production on account of high price of supplies and wages. The producers of limestone for flux, crushed stone, and stone for use in the arts report increased demand at higher prices.

The chief States producing limestone in 1906 were, in order, Pennsylvania, Indiana, Ohio, Illinois, New York, and Missouri, each reporting over \$1,900,000. The total output of these six States amounted to \$18,751,122, or 68.63 per cent of the total. In 1905 the rank of these six principal producing States was Pennsylvania, Illinois, Indiana, Ohio, Missouri, and New York, their combined output being \$18,260,577, or 70.16 per cent of the total. The other States reporting a value over \$450,000 in 1906 were, in order of output, Wisconsin, Kansas, Kentucky, Michigan, Minnesota, West Virginia, Alabama, Iowa, and Tennessee. In 1905 these States ranked as follows: Kansas, Wisconsin, Kentucky, West Virginia, Minnesota, Michigan, Alabama, and Iowa.

In 1906 twenty-seven States and Territories—Alabama, California, Colorado, Georgia, Indiana, Indian Territory, Iowa, Kentucky, Maryland, Michigan, Minnesota, Montana, Nebraska, New Jersey, New Mexico, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Dakota, Tennessee, Texas, Utah, Virginia, Wisconsin, Wyoming—increased in the value of their limestone output; the remaining States—Arizona, Arkansas, Connecticut, Florida, Idaho, Illinois, Kansas, Maine, Massachusetts, Missouri, Oklahoma, Oregon, Vermont, Washington, and West Virginia—showed decreases.

Crushed stone.—The greatest item in value of the limestone production is for stone crushed and used for road making, railroad ballast, and concrete, which was valued at \$11,073,265, representing 20,286,589 short tons of crushed stone; in 1905 these figures were 19,334,168 short tons, valued at \$10,487,638, an increase of 952,421 tons in quantity and of \$585,627 in value. In 1906 the total was divided into 6,685,781 tons, valued at \$3,857,500, for road making and macadam; 8,106,850 tons, valued at \$3,899,396, for railroad ballast; and 5,493,958 tons, valued at \$3,316,369, for concrete, which, compared with the itemized output for 1905—road making, 6,446,518 tons, valued at \$3,837,041; railroad ballast, 8,167,261 tons, valued at \$3,826,811; and concrete, 4,720,389 tons, valued at \$2,823,786—shows an increase of 239,263 tons and of \$20,459 for road making; a decrease of 60,411 tons in quantity, with an increase of \$72,585 in value for railroad ballast; and the very significant increase of 773,569 tons and of \$492,583 for concrete.

Illinois ranked first in 1906 in the production of crushed limestone, followed by Ohio, New York, Pennsylvania, Missouri, Indiana, Kansas, Kentucky, and Wisconsin, each reporting values varying from \$1,785,064 to \$447,431, the nine States representing 83.83 per cent of the total quantity and 83.49 per cent of the total value of

crushed limestone.

Ohio produced the most crushed limestone for road making, followed by Illinois and New York; Pennsylvania the most railroad ballast, followed by Kansas and Ohio; and Illinois, the most crushed stone for concrete, followed by Pennsylvania and New York.

Furnace flux.—The next greatest value shown by the figures representing the production of limestone is that for furnace flux, which was \$7,612,692 in 1906, as compared with \$7,004,265 in 1905, an increase for 1906 of \$608,427. These figures represent outputs of 16,077,202 long tons in 1906, and 15,387,891 long tons in 1905, an increase in 1906 of 689,311 tons. Pennsylvania, Ohio, West Virginia, and Alabama are the ranking States in this class of material, Pennsylvania in 1906 producing 41.62 per cent of the total value of the flux. The average value of flux per long ton for 1906 was 47 cents.

Building stone.—Limestone for building purposes, including rough and dressed stone sold by producers, was valued at \$5,092,916 in 1906, compared with \$5,312,183 in 1905, a decrease of \$219,267. The rough building stone sold by the quarrymen in 1906 was valued at \$2,726,897, the dressed stone at \$2,366,019; the figures for 1905 were, rough stone, \$3,114,446; cut or sawed stone, \$2,197,737, a decrease in value of rough building stone sold in 1906 of \$387,549 and an increase

in the value of sawed or cut stone of \$168,282.

Indiana, with a total output of building stone valued at \$2,636,421, produced 51.77 per cent of the total building limestone in 1906; in 1905 the building limestone from this State was valued at \$2,492,960, or 46.93 per cent of the total, an increase of \$143,461 for the State. This building stone is quarried chiefly in Lawrence and Monroe counties, and is universally known as "Bedford limestone," from Bedford, Lawrence County, from which place the greatest shipments have been made. A comparatively small quantity of this Bedford stone is used for flagstone, curbstone, monumental stone, crushed stone, and some, not included in this report, for making cement and lime. The total value of the output from Lawrence County in 1906 was \$1,460,743; from Monroe County, \$1,162,062, a total of \$2,622,805 for the two counties; in 1905 the total for the two counties was \$2,393,475, with a value of \$1,550,076 for Lawrence County and of \$843,399 for Monroe County, an increase of \$229,330 in the total for 1906, an increase of \$318,663 for Monroe County, and a decrease of \$89,333 for Lawrence County. The total of these counties in 1906 represented 9,282,004 cubic feet of stone, of which 5,586,282 cubic feet were sold rough and 3,695,722 cubic feet were sawed or cut stone.

Missouri ranks next to Indiana in the production of building limestone with an output, including rough and dressed stone, of \$690,625, an increase of \$101,790 over 1905, when the value was \$588,835.

This stone is chiefly from Carthage, Jasper County.

Riprap.—Limestone for riprap valued at \$550,385 was taken out in 1906 as against an output valued at \$573,181 in 1905, a decrease of \$22,796 in 1906. Material of this class was quarried chiefly in Missouri and Ohio.

Rubble.—Limestone for rubble was valued at \$924,275 in 1906 and at \$945,717 in 1905, a decrease of \$21,442. The greater part of this

was reported from Illinois.

Chemical industries.—About three-eighths of the value of \$822,330 shown as the value of the limestone sold to chemical industries includes stone quarried and used by alkali works in New York and Michigan in the manufacture of all kinds of alkaline salts. Nearly one-fourth is stone quarried in Michigan, Wyoming, Utah, California, Colorado, Idaho, and Nevada and sold to sugar factories for use in the process of refining sugar. A little more than one-fourth represents the value of limestone from Pennsylvania, Ohio, Missouri, Indiana, Illinois, and New York sold to glass factories. Other stone included under this heading is stone used by paper mills and by farmers who buy the stone to burn into lime for use as fertilizer on their land. In 1905 this stone was classed under stone used for other purposes.

The following table shows the value of limestone in the United

States in 1905 and 1906 by States and Territories and uses:

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Value of the production of limestone in the United States in 1905 and 1906, by States and Territories and uses.

1905.

State or Territory.	Rough building.	Dressed building.	Paving.	Curbing.	Flagging.	Rubble.	Riprap.
labama	\$100	\$35,000					\$89,063
rizona	135		2000	*********	0701	#20 OF0	3.00
rkansas	22,710	63, 971	\$300	\$946	\$731	\$39,850	198
alifornia	1,000	**********	*********		*******		*********
Connecticut		*********					
lorida		5,000		*******	*********	500	*******
leorgia		0,000				960	10
daho	105					500	10
llinois	123, 140	73, 246	53,410	10,373	16, 204	388, 845	35,00
ndiana	1, 155, 728	1,337,232	5,421	134, 898	29, 699	33, 438	9,98
ndian Territory							
OW8	137,805	35, 387	7,576	3, 366	12, 337	48, 341	39,00
Cansas	98, 571	41,525	13,338	9,196	5,095	37,500	13, 64
Centucky	91, 987	80,098	3,675	25, 112	1,917	6,022	5, 34
Aaine							
Maryland	42,691	75	100	15	131		50
dassachusetts	58, 175	3,000					
Michigan	17,071	**********	*******	160	**********	744	1,56
Minnesota	161, 292	102, 464	544	6, 939	14, 524	75,845	29, 88
dissouri	319, 822	269,013	6,546	12,704	12, 244	190, 934	153, 51
Iontana	4,066				150		
Nebraska	19, 957 845	100	65	42	16	22, 447	21,49
New Jersey	600	90		********		600	6,00
New York	183, 833	80,692	500	29,660	15,792	21,538	14, 67
North Carolina	100,000	00,002	500	29,000	10, 132	21,000	14,04
Ohio	218, 364	13, 107	5,474	2,390	3,972	22,487	68,09
Oklahoma	17, 194	2,540	175	415	- 3,260	4,068	20
Oregon	3,000	800		240	0,200	2,000	30
Pennsylvania	158, 875	1,485	110,208	24, 367	5,689	7, 265	16,48
Rhode Island							
South Dakota	448						
l'ennessee	37,653	14,400	250	4,652	400	1,868	6,89
Texas	36,840	7,438		1,825	747	9,533	20,64
Jtah	8,960						
Vermont	205					2,700	
Virginia		700		******			12
Washington			*********				
West Virginia Wisconsin		90 494	01 009	10 200	4 009	00 400	10 20
Wyoming	1,150	30, 434	24,203	16,326 40	4,893	28, 482 1, 750	40,26
in Johning	1,100		2237013757	40	***********	1,700	*****
Total	3, 114, 446	2, 197, 737	231,785	283, 426	127, 801	945, 717	573, 18

	(Crushed stone				Total.
State or Territory.	Road making.	Railroad ballast.	Concrete.	Flux.	Other.	
Alabama	\$3,725		\$7,275	\$395, 935	\$1,005	\$532, 103 135
Arkansas	14,600 3,000	\$2,012 510	9,500 2,700	3, 677 265, 493 1, 558	39,015 24,427	154, 818 49, 902 289, 920
Florida		5,000	300 1,000	1,270	700 14,000	1,558 5,800 9,030 14,105
Illinois Indiana Indian Territory	793, 401 222, 441	655, 276 84, 007 3, 624	594, 293 30, 364 1, 888	582, 873 117, 790	185, 829 28, 257	3,511,890 3,189,259 5,512
Iowa	65,543 28,913 202,532	14, 262 618, 189 250, 115	81, 974 25, 365 65, 427	2,000 7,733	6, 196 30, 052 4, 507 7, 428	451, 791 923, 389 744, 465 7, 428
Maryland	31,823	36, 210	32, 608	4,733	5,249	149, 402 65, 908
Minnesota	112,113 47,139 376,349	43, 649 11, 700 381, 018	107, 396 98, 379 488, 252	109, 883	152, 170 6, 690 11, 146	544, 754 555, 401 2, 238, 164
New Jersey		29, 442	79, 311 10, 825	98, 907 16, 000 133, 889	12, 193 14	103, 123 225, 119 147, 353 7, 200
New York North Carolina	451, 115 16, 500	344, 976	352, 627	300, 441	175,115	1,970,968 16,500

Value of the production of limestone in the United States in 1905 and 1906, by States and Territories and uses—Continued.

1905-Continued.

The state of the s	C	rushed stone			S. Same	
State or Territory.	Road making.	Railroad ballast.	Concrete.	Flux.	Other.	Total.
OhioOklahoma	\$790, 138 22, 675 4, 500	\$461,235 90,000	\$248,578 21,185	\$872,353	\$144,601 1,700	\$2,850,793 163,413 8,600
OregonPennsylvaniaRhode Island	255, 471	597, 940	322,218	2,842,202 300	157, 296	4, 499, 503 300 6, 653
South Dakota	39, 127 7, 000 890	81,693 14,500	6, 205 48, 930 14, 143 150	165, 754 57, 599 203, 644	1,573 18,875	401, 62: 171, 84: 232, 51:
Vermont. Virginia Washington	350 5, 254	9, 333	6,000 11,187	1,794 180,676 43,450	5,620	11, 09 212, 66 52, 47
West Virginia Wisconsin Wyoming	32,559 284,083	81, 550 7, 870 2, 700	32, 300 123, 406	516, 250 53, 337 8, 100	8,388 7,522 9,600	671, 31 804, 08 23, 34
Total	3, 837, 041	3, 826, 811	2, 823, 786	7,004,265	1,059,214	26, 025, 21

1906.

	1					1	
State or Territory.	Rough building.	Dressed building.	Paving.	Curbing.	Flagging.	Rubble.	Riprap.
Alabama	* \$200 40	\$22,394					\$67,028
Arkansas	7.561	37,612				\$621	
California	8,985		\$200	\$5,000		2,500	
Colorado						3,153	*******
Connecticut							
Florida	300	1,050	350			670	
Georgia	2,840		300			070	
IdahoIllinois	105,410	25,341	176,646	3,556	\$7,775	378, 582	48, 823
Indiana	1,169,762	1,466,659	6,731	174,135	24,798	24, 254	10,780
Indian Territory	500	500				3,622	
Iowa	105, 203	31,350	6,527	8,030	7,632	84,553	35, 810
Kansas	95,009	36,528	17,492	14,081	4,878	34,351	18, 494
Kentucky	116, 164	93, 675	760	15,387	1,123	6,864	22,353
Maine	8,393		44	20	715		
Massachusetts	775		11	20	**********		
Michigan	9,368	641	90,723	75	**********	4,654	1,204
Minnesota	124,651	132, 385	4,629	4,867	11,696	112,565	51,476
Missouri	302, 627	387,998	9,100	8,516	24,732	128, 430	101,755
Montana	5, 117	* * * * * * * * * * * * * * * * * * * *	150	10,200		875 11,878	20,140
Nebraska	30,685 2,106	1,230	7,500	10,200		11,010	20,140
New Jersey New Mexico	1,800					2,400	2,400
New York	180,627	64, 595	4,100	10,648	11,229	12,692	13, 452
North Carolina	2007.20						
Ohio	155,905	7,894	1,480	1,100	478	6,395	86, 215
Oklahoma	2,350	900			741	2,440	11,000
Oregon	3,000	8,728	139, 643	180 1,453	2,309	8, 480	4,029
Pennsylvania Rhode Island	74, 625	8,128	159, 045	1,400	2,000	0, 300	7,02
South Dakota	400		*********				
Tennessee	18,597	7,400		4,212	62	11,135	7,425
Texas	38,705	10,949	32,929	407		6,604	12,84
Utah	11, 192	500				1,300	
Vermont	2,619					600	323
Virginia	3, 448 1, 200	1,680		275			324
Washington	1,200	**********					74
Wisconsin	136, 272	26,010	32, 271	27,473	11,464	74,307	33,893
Wyoming	200,212				*********	350	
			WO. 077	000 015	100 000	004 077	550 000
Total	2,726,897	2, 366, 019	531, 275	289, 615	109,632	924, 275	550, 388

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Value of the production of limestone in the United States in 1905 and 1906, by States and Territories and uses—Continued.

STONE.

1906—Continued.

	Cı	rushed ston	10.		Sugar	200	-	
State or Territory.	Road making.	Railroad ballast.	Concrete.	Flux.	factories, etc.	Other.	Total.	
Alabama	\$9,380		\$7,280	\$473,062			\$579,34	
Arizona	********	**********					4	
Arkansas	1,600	\$1,000	450				48, 84	
California	4,094	500	10,962	25,000	\$22,964		80, 20	
Colorado	3,500			301,913	39, 592	\$25,000	373, 15	
Connecticut				1,171			1,17	
Florida			100	*********	*********	********	1,45	
Georgia		675	1,050	10,417	40		16,04	
Idaho	*********				12,600		12,60	
Illinois	686,092	389,065	709,907	384, 282	17, 433	9,419	2,942,33	
Indiana		169, 695	119, 222	210, 124	9, 455	18,059	3,725,56	
Indian Territory		20,000	20,000				44,62	
Iowa	38, 189	26, 268	142, 124			8,129	493, 81	
Kansas	39,877	533, 173	34, 228		5	21,087	849, 20	
Kentucky	222,877	242,737	50, 327	15,170		7,971	795, 40	
Maine					2,000		2,00	
Maryland	30,582	110, 503	19,024		40	725	170,04	
Massachusetts				9,875	100		10,75	
Michigan	78,437	103, 442	61,852	81,517	224, 356		656, 26	
Minnesota	59, 230	8,041	117,159	150	3,625	1,641	632, 11	
Missouri	294, 211	336,752	316, 136	28, 381	11,591	38, 105	1,988,32	
Montana	*********			134,940			141,08	
Nebraska		29,980	112, 235	6,600	29,891	42	276, 38	
New Jersey	4,640	7,950	10,950	195, 235	*********	260	221,1	
New Mexico		108, 893	6,000	*********	*********	4,000	125, 49	
New York		324, 940	464, 614	294,659	221, 192	17,714	2, 204, 75	
North Carolina	30,583	********	*********	*********		*******	30,58	
Ohio	924, 346	407,005	286, 460	1,013,497	48,806	85, 457	3,025,03	
Oklahoma		90,000	7,700			3,230	127, 30	
Oregon	***********	***********	**********	**********	3,600	500	7,48	
Pennsylvania		602, 128	486, 882	3, 168, 186	76,073	41,394	4,865,13	
Rhode Island			***********	678			6	
South Dakota			10,000				10, 40	
Tennessee		192, 514	75,063	139, 227		2,595	481, 9	
Texas	3,250	23,000	30,685	75,764		3,990	239, 13	
Utah	13,030		15	198, 671	23,910	250	248, 86	
Vermont		********	2,000	250	********	40	7,85	
Virginia		16,050	18,700	219,707			260, 34	
Washington	**********	00 000		38,831	8,761	400	49,19	
West Virginia	17, 406	67,700	20,875	513, 413	6,865	1,137	628, 60	
Wisconsin		86, 575	173, 237	71,972	7,940	22,713	891,74	
Wyoming,		810	1,132	**********	51,491	********	53,78	
Total	3,857,500	2 000 200	9 916 960	7 610 600	000 990	313, 858	27, 320, 24	
Total	0,001,000	3, 899, 396	3, 316, 369	7,612,692	822, 330	010,008	21,020,2	

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The following table shows the value of limestone, by States, from 1902 to 1906, inclusive:

Value of limestone, 1902-1906, by States and Territories.

State or Territory.	1902.	1903.	1904.	1905.	1906.
Alabama	\$524,049	\$502,510	\$498,723	\$532,103	\$579,344
Arizona			250	135	40
Arkansas	30,310	153, 291	106,147	154, 818	48,844
California	100,848	229,376	74,670	49,902	80, 205
Colorado	157,355	175,078	124,600	289,920	373, 158
Connecticut	1,472	1,968	830	1,558	1,171
Florida	25,608	20,756	34, 278	5,800	1,450
Georgia	39,865	10, 450	15,200	9,030	16,042
Idaho	2,025	752	5,900	14, 105	12,600
Illinois	2,736,964	2,726,470	2,690,822	3, 511, 890	2,942,331
Indiana	2,553,502	2,621,068	2,789,500	3, 189, 259	3, 725, 568
Indian Territory	2,000,002	650	6,076	5, 512	44, 625
Iowa	535,933	536, 906	442,585	451,791	493, 815
Kansas	663,178	480, 609	799, 286	923, 389	849, 203
Kentucky	577,854	695, 602	692, 417	744, 465	795, 408
Maine	3,000	1,863	2,955	7, 428	2,000
Maryland	126,613	65,732	128, 421	149, 402	170,046
Massachusetts	14,869	9,656	7.566	65, 908	10,750
Michigan	413, 148	390, 473	501,708	544,754	656, 269
Minnesota	754, 987	609, 471	517.940	555, 401	632, 113
Missouri	1, 181, 359				1,988,334
Montana		1,874,740	2,277,969	2,238,164	
Nebraska	95,950	131,594	109,765	103, 123	141,082
	145, 323	187,718	236,780	225, 119	276, 381
New Jersey	58, 172	66, 915	76,710	147, 353	221, 14
New Mexico	1 057 000	0.007.011	7 000 077	7,200	125, 493
New York	1,857,893	2,007,911	1,636,255	1,970,968	2, 204, 72
North Carolina	21,063	0.040.001	12,088	16,500	30,583
Ohio	2,119,441	2,349,661	2,406,355	2,850,793	3,025,038
Oklahoma	50,516	50,690	92,246	163, 412	127, 361
Oregon	0.000.044	3,000	5,390	8,600	7,480
Pennsylvania	3,990,644	4, 343, 643	3,708,750	4,499,503	4,865,13
Rhode Island	1,190	883	312	300	67:
South Carolina	350	950	225		
South Dakota	65,305	26, 215	3,954	6,653	10, 400
Tennessee:	246, 418	356,961	288,053	401,622	481,953
Texas	146, 162	188,015	252,745	171,847	239, 12
Utah	87,200	125,610	170, 447	232, 519	248, 86
Vermont	6,397	9,955	9,653	11,095	7,82
Virginia	292, 129	232,744	165, 459	212,660	260, 34
Washington	27,744	75, 649	71,857	52, 470	49, 193
West Virginia	434,758	405, 077	460, 303	671, 318	628, 602
Wisconsin	801,701	701, 347	738, 684	804, 081	891,74
Wyoming	4,090	150	15,090	23,340	53, 78
Total	20, 895, 385	22, 372, 109	22,178,964	26, 025, 210	27, 320, 24

STONE.

Production of blast-furnace flux in 1905 and 1906, by States, in long tons.

a.i.	19	05.	190	06.
State.	Quantity.	Value.	Quantity.	Value.
Alabama	764, 173	\$395,935	803, 643	\$473,062
California	3,677	3, 677	28, 758	25,000
Colorado	544, 984	265, 493	552, 651	301, 913
Connecticut	4, 235	1,558	3, 455	1, 171
Georgia	2,850	1,270	17, 793	10, 417
Illinois	1,576,081	582, 873	909, 375	384, 282
Indiana	243, 822	117, 790	500, 702	210, 124
Kansas.	4,000	2,000	000,102	210, 124
Kentuckv	20, 497	7,733	33, 987	15, 170
Massachusetts	11,722	4,733	16, 528	9,875
Michigan	294, 895	109,883	162, 603	81,517
Minnesota		109,000	200	150
Missouri	29,922	10 004	43, 574	
Montana		16,624 98,907		28, 381
	238, 563 20, 000	16,000	304,600	134, 940
New Jersey			12,000	6,600
New York	265, 042	133, 889	363, 508	195, 235
O. I. I.	574, 047	300, 441	513, 452	294,659
	2, 163, 554	872, 353	3,098,346	1,013,497
Pennsylvania.	6, 325, 503	2,842,202	6,396,765	3, 168, 186
Rhode Island	200	300	542	678
Tennessee	340, 342	165, 754	250, 835	139, 227
Texas	88, 274	57, 599	122, 804	75, 764
Utah	260,016	203, 644	262,808	198, 671
Vermont	3,589	1,794	500	250
Virginia	393,662	180, 676	467, 341	219,707
Washington	65,500	43, 450	41, 171	38, 831
West Virginia	1,028,622	516, 250	1,019,931	513, 413
Wisconsin	106,640	53, 337	149, 330	71,972
Wyoming	13, 478	8,100		
Total	15, 387, 891	7,004,265	16,077,202	7,612,692