By A. T. Coons.

INTRODUCTION.

As in the chapters on stone published in preceding volumes, the present statistics of the production of stone in the United States include the stone sold by the quarrymen and only such manufactured

product as is turned out by the producers themselves.

For many years the cards sent by the United States Geological Survey to quarrymen requesting statistics of building and monumental stone simply asked for the building and monumental stone sold by them; but the replies were so unsatisfactory, the value per unit of measurement differed so widely, even in the same locality and for the same firm as reported for different years, that in order to get figures capable of comparison it was found advisable to separate the rough stone from the dressed stone. By this means it became possible to get statistics capable of comparison, as the average producer sells his output in the same manner each year, and a comparison of the individual reports for different years showed which producers manufacture their stone and which sell it rough. The large quantities of stone sold in the rough make it inadvisable to put a valuation on this class of stone other than the value it bears as it leaves the quarryman's hands-that is, the value free on board at point of shipment in the rough or merely rough-cut condition desired by the purchaser. On the other hand, the stone which is quarried and manufactured by the quarryman himself has no value to him until it is sold by him in its finished state. This method of valuation would appear to tend to give an unfair value to the same stone reported from different States. For example, the Georgia marble is practically all sold rough to the manufacturers. and to its output of 807,000 cubic feet in 1907 was given a value of \$864,757, or \$1.07 per cubic foot as rough material; on the other hand, by far the greater part of the Vermont marble is dressed by its producers, and to the 1,450,000 cubic feet produced in that State in 1907 was given a dressed-stone value of \$4,596,724, or \$3.10 per cubic foot. Most of the Vermont granite, however, especially the monumental stone, is sold rough to the manufacturers. In Indiana the celebrated "Bedford" stone is usually shipped direct from quarry to market in the unfinished or partly finished state.

It will thus be seen that, although the desire of the United States Geological Survey is to publish figures of production with as little value of labor added to the value of the raw material as possible, the labor value could only be excluded from the manufactured stone quarried and sold by the quarrymen if the Survey assigned a value to the stone itself. In many cases this would not be possible. Often no unit of measurement is stated, and it is to be regretted that there is not more uniformity in the measurement of stone as sold and reported by the quarrymen. In case of building and monumental stone, rubble, riprap, etc., the quantities are reported in cubic feet, cubic yards, tons, cords, perches, rods, etc. The ton is indefinitely long or short; the cord is from 11,000 to 13,000 pounds; and in many cases where weights are given no regard is had to the specific gravity of the stone, the weight seeming to be arbitrarily fixed by the producer.

In reporting stone for flagging and curbing the lineal measurement and also the weight are used; but the stone, of course, is not of uniform thickness.

In case of crushed stone the usual measurements are the ton, long and short, and the cubic yard, which varies in weight from 2,300 pounds to 3,000 pounds. Squares of 100 square feet are also reported from some localities. It has been possible, however, for the last few years to give the quantity as well as the value of crushed stone, and this quantity has been given in short tons, on account both of the large number of producers reporting in that manner and also of the ease with which the other units may be converted into short tons. The average weight of the cubic yard, as reported by the quarrymen, is 2,500 pounds.

It is also possible to give the number of paving blocks made as well as the value of these blocks. However, the size, and therefore the weight, of these blocks vary considerably.

The quantity as well as the value of stone used for furnace flux has been published for some years.

In this report is published for the first time the quantity as well as the value of the granite produced in Vermont, and it is to be hoped that in the near future it may be possible to obtain the figures of quantity for other States as complete as are those given for Vermont.

Much consideration has been given to the proper statement of the value of the stone production by the United States Geological Survey and by the Survey in cooperation with various State surveys, as those of Illinois, North Carolina, Iowa, and Maryland, and at the office of the United States Census, and the decision has always been to give the value as herein stated, with the hope that ability to publish in the near future the quantity of material sold may do away with any appearance of inconsistency.

PRODUCTION.

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

erable quantity of basalt.

Sandstone includes the quartzites of South Dakota and Minnesota and the fine-grained sandstones of New York and Pennsylvania, known to trade as bluestone. As the bluestone is a product of a separate industry, its production is also shown apart from that of the other sandstone. Bluestone is also quarried in New Jersey and West Virginia, but this product is small and is not separated from sandstone. 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, and also a small quantity of the so-called "onyx" marble or travertine as obtained from caves and other deposits.

The following table shows the value of the different kinds of stone

produced in the United States from 1898 to 1907, inclusive:

Value of the different kinds of stone produced in the United States, 1898-1907.

Year.	Granite.	Trap rock.	Sandstone.	Bluestone.	Marble.	Limestone.	Total.
1898	10, 343, 298 10, 969, 417 14, 266, 104 16, 083, 475 15, 703, 793 17, 191, 479 17, 563, 139 18, 562, 806	\$1,275,041 1,706,200 1,710,857 2,181,157 2,732,294 2,823,546 3,074,554 3,736,571 4,594,103	\$4, 724, 412 b4, 910, 111 b5, 272, 865 b6, 974, 199 b9, 430, 958 b9, 482, 802 b8, 482, 162 b8, 075, 149 b7, 147, 439 b6, 753, 762	a\$1,000,000 815,284 1,198,519 1,164,481 1,163,525 1,779,457 1,791,729 1,931,625 2,021,898 2,117,916	\$3,629,940 4,011,681 4,267,253 4,965,699 5,044,182 5,362,686 6,297,837 7,129,071 7,582,938 7,837,685	\$9,956,417 13,889,302 13,556,523 18,202,843 20,895,385 22,372,109 22,178,964 26,025,210 27,327,142 31,737,631	\$28, 635, 175 35, 244, 717 36, 970, 777 47, 284, 183 54, 798, 682 57, 433, 141 58, 765, 718 66, 378, 798 71, 105, 805

a Estimated.

b Does not include the value of grindstones and whetstones.

From this table it will be seen that in the last decade the value of the stone produced in the United States has increased from \$28,635,175 in 1898 to \$71,105,805 in 1907, the increase being \$42,470,630, or 148 per cent.

There has been an increase in value of output for each year during this time, but the increase has not been regular, the years 1899 and 1900, 1903 and 1904 showing comparatively small differences in output; the trade in these years was influenced by labor strikes in the building trades and by the general financial condition of the country. It is noticeable, however, that for 1907, a year of markedly unsettled financial and trade conditions, there was an increase of \$4,727,011, or

7 per cent, from \$66,378,794 in 1906 to \$71,105,805 in 1907. This increase was chiefly in crushed stone, the stone used directly as building stone decreasing in value. The chief increase in the years preceding 1907 was also in the crushed-stone output and, in 1905, also of the limestone used as a furnace flux. During this time the greater number of producers, especially the small quarrymen, reported increased cost of labor, scarcity of good labor, and greater cost for fuel and supplies. The selling prices have increased slightly from year to year.

There was also in 1907 a noticeable decrease in the number of producers of stone; a great many of the smaller producers were idle, and of the large producers nearly all, except the producers of crushed

stone, had a decrease in production.

In 1907 trap rock, marble, and limestone increased in value of out-

put, and granite and sandstone, including bluestone, decreased.

Granite represented 25.41 per cent of the total output and decreased in value from \$18,562,806 in 1906 to \$18,064,708 in 1907, a loss of \$498,098. This loss was in building stone, the other products showing an increase.

Trap rock represented 6.46 per cent of the total and increased \$857,532, or from \$3,736,571 in 1906 to \$4,594,103 in 1907. The trap-

rock output is principally crushed stone.

Sandstone, including bluestone, represented 12.48 per cent of the total, and decreased in value from \$9,169,337 in 1906 to \$8,871,678 in 1907, a loss of \$297,659. Bluestone produced in New York and Pennsylvania increased slightly in value from \$2,021,898 in 1906 to \$2,117,916 in 1907, a gain of \$96,018. Sandstone, exclusive of bluestone, decreased \$393,677, or from \$7,147,439 in 1906 to \$6,753,762 in 1907.

Marble, valued at \$7,837,685 in 1907, represented 11.02 per cent of the total stone output; in 1906 the value of marble was \$7,582,938, an

increase of \$254,747 for 1907.

Limestone represented 44.63 per cent of the total stone production in 1907, the value being \$31,737,631; in 1906 the value was \$27,327,142, a gain for 1907 of \$4,410,489. This gain was in the value of crushed stone and in stone used for blast furnace flux.

The following table shows the value of the various kinds of stone produced in 1906 and 1907, by States and Territories:

Value of various kinds of stone produced in 1906 and 1907, by States and Territories. 1906.

		1000				
State or Territory.	Granite.	Trap rock.	Sandstone.	Marble,	Limestone.	Total value.
Alabama			\$40,467	\$85,000	\$579,344	\$704,811
Alaska		*********		(a)		(a)
Arizona	\$32,042		33,149	**********	40	65, 231
Arkansas		***********	55, 703	16,900	48,844	240, 350
California	740, 784	\$688, 423	642,166	103,048	80,205	2, 254, 626
Colorado	65, 402		286, 544		373, 158	725, 104
Connecticut	974, 024	411,345	(6)		1,171	1,386,540
Delaware	146, 346				***********	146, 346
Florida					1,450	1,450
Georgia	792, 315			919, 356	16,042	1,727,713
Hawaii			**********	**********		23, 346
Idaho					12,600	24, 969
Illinois			19,125		2,942,331	2,961,456
Indiana	***********		30,740		3,725,565	3,756,305
Indian Territory			615		44,622	45, 237
Iowa			5,601		493,815	499, 416
Kansas			42,809		849, 203	892,012
Kentucky			125,123		795, 408	920, 531
Maine			0 599	170 405	2,000 170,046	2,562,021
Maryland	883,881	*************	9,533	176, 495		1,239,955
Massachusetts		462,795	260,721	271, 934	10,750	4, 333, 616
Michigan		*********	65,395		656, 269	721,664
Minnesota			285,633		632, 115	1,543,817
Missouri			20,951	(c)	1,988,334	2, 159, 294
Montana			37,462		141,082	292, 549
Nebraska			6,899	F 000		283, 280
Nevada	010 101			5,000	*********	5,000
New Hampshire		856, 886	015 140		001 141	818, 131
New Jersey		000,000	215, 142 42, 574	500	221,141 125,493	1,394,393 168,567
New York		623, 435			0 004 704	
		020, 400	de1,905,892 3,531	557, 954	2,204,724	5,596,053
North Carolina North Dakota	110,041		3,331		30,583	812, 961
			1, 426, 645		3,025,038	
OhioOklahoma	18,847		40,246		127,361	4, 451, 683 186, 454
Oregon	58,961		25,950		7,480	92, 391
Pennsylvania		693, 687	d 2, 724, 874	171,632	4,865,130	8, 804, 776
Rhode Island		099,001	-2,124,014	171,002	678	623, 490
South Carolina		*********			010	247, 998
South Dakota			145,966		10,400	156, 366
Tennessee		100000000000000000000000000000000000000	14,136	635, 821	481,952	1,131,909
Texas			111,533	000,021	239, 125	518, 719
Utah	4,948		37,529	1,400	248, 868	292, 745
Vermont	2,934,825		01,020	4, 576, 913	14.728	7, 526, 466
Virginia			5,100	2,010,010	260,343	606,343
Washington			169,500	59, 985	49, 192	738, 652
West Virginia			113,369	00,000	628, 602	741, 971
Wisconsin			181,986		891,746	1,871,945
Wyoming	600		24,715	1,000	53,783	80,098
					55,150	00,000
Total	118,562,806	3,736,571	9, 169, 337	7,582,938	27,327,142	66, 378, 794
					The state of the s	

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

Value of various kinds of stone produced in 1906 and 1907, by States and Territories— Continued.

State or Territory.	Granite.	Trap rock.	Sandstone.	Marble.	Limestone.	Total value.
Mabama			\$48,673	\$85,475	\$694,699	\$828, 847
Maska				38,110		38, 110
rizona			158, 435		64, 975	237, 110
Arkansas	168,996		94, 275		52, 207	315, 478
alifornia		\$1,029,749	437,738	183, 285	177, 333	3, 134, 429
Colorado	67,134		299, 443		502,751	869, 328
Connecticut	591, 153	459,953	(a)		1,476	1,052,582
Delaware	158, 192					158, 192
Florida					15,000	15,000
leorgia				864,757	22,278	1,745,638
Iawaii	19,599					19,599
dahollinois	25, 942		24,001	(6)	15,900	65, 843
Hinois			14, 996		3,774,346	3,789,342
ndiana			15, 425		3,624,126	3, 639, 551
owa			3,542		560, 582	564, 124
Cansas			46,831	**********	813,748	860,579
Centucky			98, 450	12,500	891,500	1,002,450
faine	2,146,420			**********	1,350	2,147,770
Maryland	1,183,753		13,859	98,918	142,825	1, 439, 355
Massachusetts	2,328,777	432,604	243, 323	212, 438	1,837	3, 218, 979
dichigan			53,003		760, 333	813, 336
Minnesota			300, 204		735, 319	1,582,126
dissouri	136, 405		35, 289	(c)	2, 153. 917	2,325,611
Montana			39,216		124,690	265, 956
Nebraska			11,609	**********	312,630	324, 239
New Hampshire		**********				647, 721
New Jersey		995, 436	177,667		274, 452	1,523,312
New Mexico			12, 450	d7,535	193,732	381,011
New York		915,395	ef1,978,117	911,951	2,898,520	6, 993, 705
North Carolina	906, 476		4,105		22,328	932, 909
North Dakota			3,260		************	3,260
Ohio	***********		1,591,148		3,566,822	5, 157, 970
Oklahoma	24,550		43, 403	16,805	189, 568	274, 326
Oregon		**********	3,904		5,750	127, 279
Pennsylvania	366,679	760,966	12,064,913	118,539	5,821,275	9, 132, 372
Rhode Island					750	674, 898
South Carolina						129,377
South Dakota	690	**********	143,585	**********	11,600	155,875
Cennessee			16,523	688,148	385, 450	1,090,121
Texas			108,047		267,757	497, 962
Utah	5,240		24, 298	2,500	306, 344	338, 382
Vermont	2,693,889			4,596,724	23, 126	7,313,739
Virginia	398, 426		(9)		362,062	760, 488
Washington	562,352		295, 585	(h)	62,317	920, 254
West Virginia	1 000 000	**********	1197,926		855, 941	1,053,867
Wisconsin			236, 183		1,027,095	2, 492, 141
Wyoming	90		32,252		18,920	51, 262
Total	10 004 700	4 504 109	10 071 070	7 007 005	03 707 003	71 107 007
10181	18,064,708	4,594,103	18,871,678	7,837,685	31,737,631	71, 105, 805

^a Small value included with New York.
^b Small value included with New Mexico.
^c Included in Missouri limestone.
^d Includes small values for Idaho and Washington.
^e Includes small value for Connecticut.

f Includes bluestone.

g Small value included with West Virginia.

b Small value included with New Mexico.

† Includes small value for Virginia.

The following table shows the rank of States and Territories in 190e and 1907, according to value of production, and the percentage of the total produced by each State or Territory:

Rank of States and Territories in 1906 and 1907, according to value of production, and percentage of total produced by each State or Territory.

	1906.				1907.		
Rank of State.	State or Territory.	Total. value.	Per- centage of total.	Rank of State.	State or Territory.	Total. value.	Per- centage of total.
1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 10 111 1122 113 114 15 116 117 18 119 2 211 222 23 24 25 26 27 2 28 29 30 31 32 23 33 34 35 6 36 7 38 39 40 41 41 42 43 44 44 45 44 48	Pennsylvania. Vermont. New York a Ohio Massachusetts Indiana Illinois. Maine. California Missouri. Wisconsin Georgia Minnesota New Jersey Connecticut Maryland Tennessee Kentucky Kansas New Hampshire North Carolina West Virginia Washington b Colorado Michigan Alabama Rhode Island Virginia. Texas Iowa Utah Montana Nebraska South Carolina Arkansas Oklahoma New Mexico South Dakota Delaware Oregon Wyoming Arizona Indian Territory Idaho Hawaii Nevada Florida North Dakota	156, 366 146, 346 92, 391 80, 098 65, 231 45, 237 24, 969 23, 346 5, 000	13. 27 11. 34 8. 43 6. 71 6. 53 5. 66 4. 46 3. 86 3. 40 2. 82 2. 60 2. 33 2. 10 2. 09 1. 87 1. 71 1. 39 1. 34 1. 23 1. 12 1. 11 1. 09 1. 06 94 91 91 91 91 94 94 94 94 94 94 94 94 94 94 94 94 94	1 2 3 3 4 4 5 5 6 6 7 8 8 9 10 11 12 13 11 14 15 16 16 17 18 19 20 21 22 3 3 3 4 4 3 5 5 3 6 6 3 7 7 8 8 2 9 9 4 0 4 4 4 4 5 5 4 6 4 6 4 7	Pennsylvania. Vermont. New York c. Ohio Ohio Illinois. Indiana Massachusetts. California. Wisconsin. Missouri. Maine. Georgia. Minnesota. New Jersey Maryland. Tennessee. West Virginia d. Connecticut c. Kentucky. North Carolina Washington f. Colorado Kansas. Alabama. Michigan. Virginia g. Rhode Island. New Hampshire. Iowa. Texas. New Mexico h. Utah. Nebraska. Arkansas. Oklahoma. Montana Arizona. Delaware. South Dakota. South Carolina. Oregon. Idaho f. Wyoming Alaska. Hawaii Florida. North Dakota.	\$13, 336 760, 488 674, 898 647, 721 564, 124 497, 962 381, 011 338, 382 324, 239 315, 478 265, 956 237, 110 158, 192 155, 875 129, 377 127, 279 65, 843 51, 262 38, 110 19, 599 15, 600	12. 84 10. 29 9. 84 7. 25 5. 33 5. 12 4. 53 4. 41 3. 51 3. 27 3. 02 2. 46 2. 23 2. 14 2. 02 1. 53 1. 48 1. 41 1. 31 1. 29 1. 22 1. 21 1. 17 1. 14 1. 07 95 91 -79 -70 -54 48 48 -44 -39 -37 -33 -32 -22 -18 -18 -18
	Total	66, 378, 794	100.00		Total	71, 105, 805	100.00

a Includes a small output of sandstone from Connecticut.
b Includes Alaska marble.
c Includes a small value of sandstone for Connecticut.
d Includes a small value of sandstone for Virginia.
e Exclusive of a small value for sandstone included with New York.
f Exclusive of a small value for marble included with New Mexico.
p Exclusive of a small value for sandstone included with West Virginia.
Includes small values of marble for Idaho and Washington.
Exclusive of a small value of marble included with New Mexico.

age of output of the first two, Pennsylvania and Vermont, decreased

From this table it will be seen that the four ranking States in the production of stone in the United States did not change their relative position in regard to the value of stone quarried, although the percentsomewhat, while New York and Ohio, coming next, increased in percentage of output. Massachusetts went from fifth to seventh place and Maine from eighth place to eleventh. These States produce large quantities of building granite, and the decrease was on account of the falling off in demand for this material. Illinois advanced from seventh place to fifth with a large increase in crushed stone output; Indiana remained in sixth place, although with decreased output. California, Wisconsin, and Missouri, with increased values, took eighth, ninth, and tenth places, respectively. Each of the abovementioned States produced an output valued at over \$2,000,000, while Georgia, Minnesota, New Jersey, Maryland, Tennessee, West Virginia, Connecticut, and Kentucky, in order of rank, each produced

stone valued at more than \$1,000,000.

The rank of States in the production of stone is influenced, especially in the States having small productions, by spasmodic demands for stone for special work—demands lasting perhaps two or three years and then followed by the abandonment of the quarry, which was possibly opened or reopened for this work. This applies especially to the building of dams, locks, and breakwaters, to the ballasting of railroads and the building of roads, to contracts for large buildings given to special quarries, to the running or closing down of iron furnaces which obtain their flux from local deposits, and to other local conditions. On the other hand, the demand upon well-known and regularly operated deposits, which receive orders for stone to be shipped all over the country, is influenced more by general conditions, particularly by the financial state of the market. The use of stone is rather a luxury than a necessity. There are other and cheaper building materials, although none perhaps so satisfactory as regards either durability or finished appearance. The prevailing taste or fashion for the variety or the color of the stone also influences sectional demand, which is at present largely confined to the light-colored stones for both building and monumental work. Hence the large amount of building and monumental work in white marbles and the use of light granites and of the light-colored limestones and light sandstones, and the consequent lack of demand for other darker stones which are equally good and durable.

The following table is given to show the total values of the stone used for various purposes in 1906 and 1907. Only those values are given which are for uses common to two or more varieties of stone:

Value of granite, trap rock, sandstone, limestone, and marble used for various purposes in 1906 and 1907.

Kind.	Building (rough and dressed).	Monumental (rough and dressed).	Flagstone.	Curbstone.	Paving stone.	Crushed stone.
Granite	\$8, 430, 022 94, 683 4, 275, 669 5, 098, 631 2, 782, 620	\$4, 115, 665 2, 657, 813	\$50,609 1,097,438 109,632	\$785,995 1,074,369 289,615	\$1,459,915 193,012 694,995 531,275	\$2, 162, 464 3, 341, 863 889, 894 11, 073, 265
Total	20, 681, 625	6,773,478	1,257,679	2,149,979	2,879,197	17, 467, 486

Value of granite, trap rock, sandstone, limestone, and marble used for various purposes in 1906 and 1907—Continued.

1907.

Kind.	Building (rough and dressed).	Monumental (rough and dressed).	Flagstone.	Curbstone.	Paving stone.	Crushed stone.
Granite	\$6,033,362 48,203	\$4,338,819	\$69,854	\$819,621	\$1,928,308 182,490	\$3,110,762 4,280,554
SandstoneLimestoneMarble	3,154,783 4,580,226 2,859,237	2,640,130	1,185,879 84,076	1,380,516 378,853	884, 843 545, 300	987, 528 13, 675, 453
Total	16,675,811	6, 978, 949	1,339,809	2,578,990	3,540,941	22, 054, 297

This table shows that the total value of building stone decreased from \$20,681,625 in 1906 to \$16,675,811 in 1907, a loss of \$4,005,814. In 1907 granite represented 36.18 per cent of this building stone, limestone 27.47 per cent, sandstone 18.92 per cent, and marble 17.15 per cent.

Monumental stone increased in value from \$6,773,478 in 1906 to \$6,978,949 in 1907, a gain of \$205,471. Of the monumental stone, 62.17 per cent was granite in 1907 and 37.83 per cent marble. Small quantities of sandstone and limestone used for monuments and bases for monuments are not given separately, but are included under stone used for "Other purposes."

Flagstone increased in value \$82,130, or from \$1,257,679 in 1906 to \$1,339,809 in 1907. Sandstone represented 88.51 per cent of the flagstone output in 1906, the quantity of granite and limestone used for this purpose being very small. Of the sandstone used as flagstone over one-half was the bluestone of New York and Pennsylvania.

Curbstone increased in value from \$2,149,979 in 1906 to \$2,578,990 in 1907, or \$429,011. Sandstone represented 53.53 per cent of this output in 1906, granite 31.78 per cent, and limestone 14.69 per cent.

Paving stone increased in value from \$2,879,197 in 1906 to \$3,540,941 in 1907, a gain of \$661,744. Granite represented 54.46 per cent of the total paving material, sandstone 24.99 per cent, limestone 15.40 per cent, and trap rock 5.15 per cent.

Crushed stone increased in value from \$17,467,486 in 1906 to \$22,054,297 in 1907, or \$4,586,811. Limestone represented 62.01 per cent of the output, trap rock 19.41 per cent, granite 14.10 per

cent, and sandstone 4.48 per cent.

Notwithstanding the fact that the financial and trade conditions during the last half of 1907 caused a break in building operations and so materially affected the output of building stone that it decreased in value \$4,005,814, there was a decided increase of \$4,727,011 in the total value of the stone output, the principal increase being in the value of crushed stone, which gained \$4,586,811 in 1907 as compared with 1906. Building stone, however, has been affected not only by the financial depression, but by the use of concrete, in which large quantities of crushed stone are consumed; also heavy building stone for foundations and for the construction of walls, bridges, etc., has been to some extent replaced by concrete. Thus the loss in one branch of the stone industry has helped to keep up the demand in another.

The crushed-stone industry has shown a remarkable increase in the The demand for this kind of stone was first established by the demand for good roads, especially in the New England and the Middle Atlantic States, and the industry has steadily grown, developing various different uses for this stone as well as increasing in quantity and value. In 1897 the crushed stone reported was chiefly trap rock from New York and New Jersey, some granite, and a small quantity of limestone. The value of crushed granite and trap rock at that time did not equal \$1,000,000, and the limestone was not reported separately from stone sold for building purposes. The crushed stone was all reported as used for road making, but probably included some stone sold for railroad ballast. In 1898 the crushed-stone output, including trap rock, granite, and limestone, was valued at \$4,031,445, and the increase has been steady, although not regular, ever since, reaching the highest value in 1907 and showing an increase over 1898 of \$18,022,852. This makes the value for 1907 5.47 times as large as that for 1898. The price per ton has also increased slightly in the last three or four years, the average selling price in the ten years ranging from about 45 cents per ton to 63 cents per ton.

The irregularity of the building-stone production as compared with the steady and more regular increase in crushed stone is of such interest in showing the condition of these two branches of the stone industry that the following table has been made, which gives the values of these two products for the last ten years. The figures for 1898 are incomplete in that they do not include the value of sandstone used for building purposes, nor do they include some stone sold rough for building purposes.

Value of building stone and of crushed stone, 1898-1907.

Year.	Building stone (rough and dressed).	Crushed stone.	Year.	Building stone (rough and dressed).	Crushed stone.
1898	a \$5,122,511	b \$4,031,445	1903.	\$19,795,491	\$13,188,938
1899	c 10,741,927	4,692,343	1904.	18,883,455	15,530,122
1900	10,672,598	6,525,368	1905.	20,240,809	16,419,614
1901	15,112,600	8,560,432	1906.	20,681,625	17,467,486
1902	20,790,341	11,480,959	1907.	16,675,811	22,054,297

a Does not include stone sold rough for building or sandstone used for building, b Includes limestone used for paying. c Does not include stone sold rough for building.

The following tables show the quantity and value of crushed stone produced in the United States in 1906 and 1907, by States and Territories, and uses:

Production of crushed stone in 1906 and 1907, by States and Territories and uses, in short tons.

1906.

			10	00.				
State or Terri-	Road n	aking.	Railroad	ballast.	Con	crete.	То	tal.
tory.	Quantity.	Value.	Quantity.	Value.	Quan- tity.	Value.	Quantity.	Value.
Alabama	17,040	\$9,380			10,192	\$7,280	27,232	\$16,660
Arkansas	27,390	22,577	30,000	\$26,000	63,059	61,264	120,449	109,841
California	396,029	327,457	65,031	34,904	651,590	453,648	1,112,650	816,009
Colorado	7,210	3,832	22,000	7,600	49,697	26,139	78,907	37,571
Connecticut	387,288	231,001	47,803	20,750	280,731	152,448	715,822	404,199
Delaware	10,299	6,814	56,839	37,129	74,928	48,849	142,066	92,792
Florida	23,862	10 400	000 450	151 905	250	100	250	100
Georgia	2,796	19,400 4,476	290,450	151,365 150	107,700 9,184	82,450 6,645	422,012 12,280	253,215
Illinois	1 235 186	686,292	737,028	389,065	1,090,679	709,907	3,062,893	11,271 1,785,264
Indiana	658,727	321,891	477,737	169,695	243,834	119,222	1,380,298	610,808
Indian Territory .		020,000	50,000	20,000	50,000	20,000	100,000	40,000
Iowa	59,362	38,339	60,803	26,268	251,686	142,124	371,851	206,731
Kansas	62,952	39,877	1,119,416	533,173	50,034	34,228	1,232,402	607,278
Kentucky	332,137	222,877	578,502	250,237	79,508	50,827	990,147	523,941
Maine	14,580	9,931		**********	17,045	11,504	31,625	21,435
Maryland	168, 191	156,245	197,126	116,306	171,944	190,993	537,261	463,544
Massachusetts	504,289 145,155	390,517	69,930	28,000	398,787	329,174	973,006	747,691
Michigan Minnesota	138,380	78,437 102,246	206,375	103,442 24,741	94,536 241,563	61,852 190,027	446,066 411,452	243,731 317,014
Missouri		294,511	671,803	336,752	524,969	379,994	1,557,557	1,011,257
Montana		6,000	011,000	000,102	021,000	010,002	4,555	6,000
Nebraska		16,000	49,968	29,980	135,462	112,253	205,430	158,233
New Hampshire	14,200	10,350	1,770	426	13,660	.9,918	29,630	20,694
New Jersey	604,010	451,174	260,044	147,191	400,804	259,964	1,264,858	858,329
New Mexico			350,167	139,217	12,500	6,000	362,667	145,217
New York	1,307,524	844,226	771,106	369,940	1,276,893	734,055	3,355,523	1,948,221
North Carolina Ohio	51,972	49,274 931,146	299,391	134,800 426,305	79,964 632,942	60,762	431,327	244,836
Oklahoma	12,700	931,140	951,888 157,500	90,000	15,600	300,035 10,175	3,312,993 185,800	1,657,486 109,225
Oregon		34,223	15,918	7,111	17,175	8,342	92,340	49,676
Pennsylvania		517,751	1,757,718	1,000,044	1,221,162	782,640	3,801,654	2,300,435
Rhode Island	53,112	41,018			3,150	3,765	56,262	44.783
South Carolina	9,320	6,825	24,111	11,796	78,007	56,896	111,438	75,517
South Dakota	225	180	300	157	23,940	24,000	24,465	24,337
Tennessee	43,175	23,725	420,083	192,614	115,657	75,063	578,915	291,402
Texas	28,600	19,450	59,872	26,067	125,881	67,829	214,353	113,346
Utah	13,100	13,030 4,045	9 400	1,100	20	2 470	13,120 10,526	13,045 7,617
Vermont Virginia	5,284 31,308	35,141	2,402 159,490	80,436	2,840 118,553	2,472 107,377	309,351	222,954
Washington		13,262	12,250	9,500	6,203	4,963	34,093	27,725
West Virginia	38,507	21,140	145,525	71,260	55,982	32,980	240,014	125,380
Wisconsin	596,476	363,214	181,067	86,575	392,605	250,870	1,170,148	700,659
Wyoming			1,800	810	2,364	1,207	4,164	2,017
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

Production of crushed stone in 1906 and 1907, by States and Territories and uses, in short tons—Continued.

1907.

State or Terri-	Road n	naking.	Railroad	ballast.	Con	crete.	То	tal.
tory.	Quantity.	Value.	Quantity.	Value.	Quan- tity.	Value.	Quantity.	Value.
Alabama	10,000	\$5,000			45, 164 25, 062	\$21, 287 41, 645	55, 164 25, 062	\$26, 287
Arkansas	6,537	6,983	5,000	\$5,000	164, 956	179,617	176, 493	41,645 191,600
California	849, 869	629, 114	265,038	96,214	525, 938	479, 592	1,640,845	1, 204, 920
Colorado		900	23,978	21,580	41,342	20,715	66,320	43, 195
Connecticut	393, 842	222, 206	149, 321	74,660	283, 110	148, 435	826, 273	445, 301
Delaware	60, 535	40, 298	58, 153	36,668	51,610	41,628	170, 298	118, 594
Florida	6,000	15,000		*********			6,000	15,000
Georgia	39,027	25, 407	310,969	152,847	82,078	61,051	432,074	239,305
Hawaii	11 021	17 200			9,850	7,599	9,850	7,599
IdahoIllinois	11,631 1,517,425	17,392 958,032	788, 894	499, 204	1,576,256	1, 118, 919	11,631 3,882,575	17, 392 2, 576, 155
Indiana	972,695	476,711	323, 650	134, 932	120, 289	60, 918	1, 416, 634	672, 561
Iowa	101, 696	69, 817	158, 651	77,571	186, 636	118,682	446, 983	266,070
Kansas	87, 208	76, 420	733,511	357,820	122, 903	55, 469	943, 622	489,709
Kentucky	417,823	292, 241	691, 405	292,714	76,718	54, 917	1, 185, 946	639,872
Maine	1,688	1,511	750	325	33, 437	19,926	35,875	21,762
Maryland		348,875	164,800	103, 147	429, 598	499, 337	961,308	951, 359
Massachusetts	423,905	315, 221	85,920	42,860	394,005	326, 864	903, 830	684, 945
Michigan	225, 522	131,708	90, 279	46,516	191, 167	97,762	506, 968	275, 986
Minnesota Missouri		156,026 444,685	42,592 532,050	36,398 284,158	182,224 549,972	153, 937 454, 433	407, 837 1, 755, 681	346, 361 1, 183, 276
Nebraska	63, 221	55,824	65,148	53,584	145, 757	121,027	274, 126	230, 435
New Hampshire	5,300	3,975	00, 120	50,001	21,887	14, 349	27, 187	18, 324
New Jersey	735,681	578,640	323,682	210,247	304, 168	235, 129	1, 363, 531	1,024,016
New Mexico	375	300	783,961	342,546			784, 336	342,846
New York	2,500,143	1,827,416	958,506	466, 890	956,080	601,605	4, 414, 729	2, 895, 911
North Carolina	97,907	62, 939	364, 369	175,847	145,014	106, 497	601, 290	345, 283
Ohio		1,245,296	975, 735	414,653	666, 757	306, 277	4,009,617	1,966,226
Oklahoma		4,000 80,205	243, 137 5, 888	146,747	26, 335	16, 405	274,072	167, 152
Oregon Pennsylvania	101,484	785, 445	1,701,152	1,075,160	5,110 1,136,540	7,450 693,354	112, 482 4, 073, 729	89,399
Rhode Island		25, 480	1,701,102	1,010,100	5,500	5,550	27, 540	2,553,959 31,030
South Carolina	26,097	25,887	10	17	6, 250	4,500	32,357	30, 404
South Dakota	28,000	14,000			10,500	10,500	38,500	24,500
Tennessee	26, 250	13,994	270,923	118, 911	69, 498	41,530	366, 671	174, 435
Texas	103, 915	64,318	171,927	79,843	47,267	48, 858	323, 109	193,019
Vermont	8,558	7,688			4,050	4,850	12,608	12,538
Virginia	126,775	96,937	138, 221	63,073	214,021	200, 286	479,017	360, 296
Washington	10,550	17,930	1,000	500	70 505	40 010	11,550	18,430
West Virginia Wisconsin		18,406 506,957	573, 454 73, 006	272,887 36,026	70, 565 417, 405	49,012 233,477	680,067 1,253,794	340, 305
Wyoming	100,380	60	70,000	30,020	417, 405	375	1, 200, 794	776, 460 435
Jonning	100	- 00		-	300	919	300	490
Total	14,607,582	9,669,244	11,075,080	5,721,289	9, 345, 469	6,663,764	35,028,131	22,054,297

From this table it will be seen that New York, producing 13.14 per cent; Illinois, 11.68 per cent; Pennsylvania, 11.58 per cent; Ohio, 8.92 per cent; California, 5.46 per cent; Missouri, 5.37 per cent; and New Jersey, 4.64 per cent of the total crushed stone output of the United States, were the principal crushed-stone producing States in 1907. Each of these had an output valued at more than \$1,000,000.

The following table shows the quantity and value of crushed stone produced in the United States in 1906 and 1907, by uses and kinds of stone:

Quantity and value of crushed stone produced in the United States in 1906 and 1907, by kinds and uses, in short tons.

1906.

	Road n	naking.	Railroad	ballast.	Cone	erete.	To	tal.
Kind.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Granite	858, 289 2, 109, 404 6, 685, 781 358, 076	\$722, 807 1, 496, 140 3, 857, 500 299, 877	1,066,784 799,094 8,106,850 362,294	\$545,771 477,022 3,899,396 178,717	537, 138	\$893,886 1,368,701 3,316,369 411,300 5,990,256	2,941,567 5,054,188 20,286,589 1,257,508	\$2, 162, 464 3, 341, 863 11,073, 265 889, 894
Average price		. 64		. 49		. 65		. 59
			19	07.				
Granite Trap rock Limestone Sandstone	3, 265, 249	\$1,060,658 2,435,152 5,860,977 312,457	1, 181, 260 8, 122, 342	680, 897 4, 144, 345	1,626,963 5,791,377	3,670,131	6,073,472 23,532,897	
Total Average price	14,607,582		11,075,080		9,345,469	6,663,764 .71		22,054,29 .6

From this table it appears that the production of crushed stone increased decidedly in 1907, the output amounting to 35,028,131 short tons, valued at \$22,054,297, as compared with 29,539,852 short tons, valued at \$17,467,486, in 1906—an increase in quantity of 5,488,279 short tons, and in value of \$4,586,811. The total average price per ton increased from 59 cents in 1906 to 63 cents in 1907.

Crushed granite increased from 2,941,567 short tons, valued at \$2,162,464, in 1906, to 4,085,448 short tons, valued at \$3,110,762, in 1907, a gain of 1,143,881 tons in quantity and of \$948,298 in value. The average value per ton increased from 74 cents in 1906 to 76 cents in 1907.

Crushed trap rock increased from 5,054,188 short tons, valued at \$3,341,863, in 1906, to 6,073,472 short tons, valued at \$4,280,544, in 1907, a gain of 1,019,284 short tons in quantity and of \$938,691 in value. The average price per ton was 70 cents in 1907, and 66 cents in 1906.

Crushed limestone increased from 20,286,589 short tons, valued at \$11,073,265, in 1906, to 23,532,897 short tons, valued at \$13,675,453, in 1907, a gain of 3,246,308 short tons in quantity and of \$2,602,188 in value. The average price per ton increased from 55 cents in 1906 to 58 cents in 1907.

Crushed sandstone increased from 1,257,508 short tons, valued at \$889,894, in 1906, to 1,336,314 short tons, valued at \$987,528, in 1907, a gain of 78,806 short tons in quantity and of \$97,634 in value. The average price per ton was 71 cents in 1906 and 74 cents in 1907.

In tabulating the figures for crushed stone according to the uses which this stone served, it is very probable that some of the stone reported as sold for road making was in fact used for concrete, as in many cases large dealers report that they do not know the exact purpose to which the stone sold by them is to be applied, and the division is in many cases approximated.

Crushed stone for road making increased from 10,011,550 short tons, valued at \$6,376,324, in 1906, to 14,607,582 short tons, valued at \$9,669,244, in 1907, a gain of 4,596,032 tons, valued at \$3,292,920. It is particularly noteworthy that the greatest increase in the crushed-stone production was in the stone sold for road making. The average price per ton was 64 cents in 1906 and 66 cents in 1907.

Crushed stone for railroad ballast increased from 10,335,022 short tons, valued at \$5,100,906, in 1906, to 11,075,080 short tons, valued at \$5,721,289, in 1907, a gain of 740,058 short tons in quantity and of \$620,383 in value. The average price per ton was 49 cents in 1906

and 52 cents in 1907.

Crushed stone for concrete increased from 9,193,280 short tons, valued at \$5,990,256, in 1906, to 9,345,469 short tons, valued at \$6,663,744, in 1907, a gain of 152,189 short tons in quantity and of \$673,508 in value, a very large increase in value compared with the increase in output. The avarage value increased from 65 cents per ton in 1906 to 71 cents per ton in 1907.

An increase in the price of crushed stone was reported by almost all of the producers, the reason assigned being the cost of labor and of

supplies.

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 1906 and 1907:

Exports of stone from the United States in 1906 and 1907.

Kind.	1906.	1907.
Marble and stone, unmanufactured	\$355,343 780,539	\$407,193 681,798
Total.	1,135,882	1,088,991

Imports of stone into the United States in 1906 and 1907.

Kind.	1906.	1907.	Kind.	1906.	1907.
Marble: In block, rough, etc Sawed or dressed Slabs or paving tiles All other manufactures.	\$892,717 306 93,760 220,150	\$1,040,333 1,132 50,718 257,456	Granite: Dressed	\$145,144 20,931 166,075	\$166,524 8,779 175,303
Mosaic cubes	48,183	49,893 1,399,532	Stone (other): Dressed	16,354 41,255	26, 000 38, 761
Onyx: In block, rough, etc	76, 385	57,795	Total	57,609	64, 764
All other manufac- tures	1,482	7,678	Grand total	1,556,667	1,705,072
Total	77,867	65, 473			

These tables show that the stone exported decreased in value from \$1,135,882 in 1906 to \$1,088,991 in 1907, a loss of \$46,891.

The value of the stone imported increased from \$1,556,667 in 1906 to \$1,705,072 in 1907, a gain of \$148,405.

GRANITE.

Total production.—The figures given in this report as representing the value of the granite production in the United States include and the value of small quantities of gneiss, mica schist, lava, tuff, 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 in the States of California, Connecticut, Massachusetts, New Jersey, New York, and Pennsylvania, however, as already noted, represents an industry sufficient by itself to make it advisable to tabulate this stone separately, and its value is therefore not included in the grand total of granite, as has been done

in previous years.

The value of the granite output in the United States, not including the trap rock, was \$18,064,708; in 1906 this value was \$18,562,806—a decrease in 1907 of \$498,098. The increase in 1906 over the total for 1905, which was \$17,563,139, was \$999,667. In 1906, notwithstanding the large increase in output, the quarrymen, especially the small producers, reported a decrease of trade due to the use of cement and concrete in building, to high wages, to high price of supplies, and to scarcity of common labor. In 1907, in addition to these conditions, the unsettled financial situation during the latter part of the year hurt the building trade and affected the large producers, who depend on general trade, more than the small producers depending on local markets.

Granite for building stone decreased heavily in value of output; monumental stone increased slightly, as did stone sold for flagging and curbing, while stone sold for paving blocks, crushed stone, riprap,

rubble, etc., increased considerably.

In 1906 the rank in output of States producing granite to the value of \$500,000 or more was Massachusetts, Vermont, Maine, Connecticut, Maryland, New Hampshire, Wisconsin, Georgia, North Carolina, California, Minnesota, and Rhode Island; in 1907 the rank was Vermont, Massachusetts, Maine, California, Wisconsin, Maryland, North Carolina, Georgia, Rhode Island, New Hampshire, Connecticut, and Washington

California showed a large increase in output due to heavy demand and higher prices, contingent to the repair of the ravages made by the

earthquake during the spring of 1906.

Connecticut, Maine, Massachusetts, Minnesota, New Hampshire, and Vermont decreased chiefly in the value of building stone; and Georgia, Maryland, North Carolina, Rhode Island, Washington, and Wisconsin showed increased output.

Arkansas, Colorado, Delaware, Idaho, New Mexico, Oklahoma, Oregon, Pennsylvania, South Dakota, Utah, and Virginia increased in output, and Arizona, Hawaii, Missouri, Montana, New Jersey, New

York, South Carolina, Texas, and Wyoming decreased.

The output from Arizona, Colorado, Hawaii, Idaho, Oregon, Utah,

and Wyoming includes considerable volcanic rock and tuff.

The production of a few of the other States (notably Maryland and Virginia) includes, besides these varieties of igneous rock, gneiss, trap, 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 \$6,033,362 in 1907, a decrease of \$2,396,660 as compared with the total value of \$8,430,022 in 1906. In 1906 the increase over 1905, when the total output was \$7,243,219,

was \$1,186,803.

The rough building stone sold by the granite quarrymen was valued at \$1,280,769 in 1907 and at \$1,770,918 in 1906, a decrease of \$490,149 in this class of material. Maine, Massachusetts, and Pennsylvania report the greatest values for the rough building stone sold, and while this value for Massachusetts increased somewhat in 1907, the value for the other States decreased. Connecticut also showed a decreased

output of rough building stone.

The dressed stone sold for building by the quarrymen was valued at \$4,752,593 in 1907 and at \$6,659,104 in 1906, a decrease of \$1,906,511. In 1906 Massachusetts reported \$1,750,695 as the value of the dressed building stone sold, Vermont \$1,422,862, and Maine \$1,413,486; in 1907 these States reported values for this class of product as follows: Vermont \$1,009,353, Maine \$1,007,572, and Massachusetts \$907,119—a decrease of \$843,576 for Massachusetts, \$413,509 for Vermont, and \$405,914 for Maine. A large part of the decrease for Massachusetts was due to the cessation of the quarrying at Milford, Mass., of stone for the new Pennsylvania Railroad station in New York City. Most of the large producers of this class of material report decreased demand for building stone, especially for large foundation stone, due, as already stated, to the financial situation in 1907 and somewhat to the use of concrete for foundations. Although Vermont had the largest output of dressed building stone, Maine and Massachusetts both exceed Vermont in the total value of building stone, including both rough and dressed. The California figures for 1907 show, as compared with those for 1906, a notable increase in output of building stone due to local causes.

Monumental stone.—Monumental stone, including stone cut and dressed by the producers and also the rough stock sold by them, was valued at \$4,338,819 in 1907, as against \$4,115,665 in 1906, an increase of \$223,154. Of the 1907 total, \$2,239,327 was the value of rough stock and \$2,099,492 the value of dressed stone sold by the producers. In 1906 the rough stock was valued at \$2,293,144 and the dressed stone at \$1,822,521, a decrease in 1907 of \$53,817 in value of rough stock and an increase of \$276,971 in value of finished stone.

Vermont produces more rough stock and sells more dressed stone than any other State. The output of this class of stone in Vermont in 1907 was valued at \$1,637,922 and in 1906 at \$1,444,442, an increase in 1907 of \$193,480. Massachusetts ranks next to Vermont, with an output of \$403,594 in 1907 and of \$724,614 in 1906, a decrease in 1907 of \$321,020. Other States prominent in output of monumental stone are Rhode Island, Minnesota, Maine, Wisconsin, New Hampshire, and Connecticut.

Paving blocks.—The paving-block industry increased in value from \$1,459,915 in 1906 to \$1,928,308 in 1907, a gain of \$468,393. Wisconsin, Maine, and Massachusetts were the largest producers of this

class of material.

Curbstone.—Granite curbing in 1907 was produced to the value of \$819,621, against \$785,995 in 1906, an increase of \$33,626 for 1907.

Georgia, Maine, and California had the largest curbstone output in 1907.

Flagstone.—The value of this class of product increased from \$50,609 in 1907 to \$69,854 in 1906, a gain of \$19,245. Maine and

Maryland were the largest producers in 1907.

Rubble.—Granite reported as used for rubble was valued at \$717,998 in 1907, as against \$360,763 in 1906, an increase of \$357,235 in 1907. California, Connecticut, and Massachusetts showed large gains in value of rubble.

Riprap.—Granite sold for riprap increased in value from \$322,022 in 1906 to \$620,033 in 1907, a gain of \$298,011. Washington and

Connecticut had the largest values in 1907.

Crushed stone.—Granite crushed and sold for the purpose of road building, as railroad ballast, and as concrete for buildings, pavements, etc., was valued at \$3,110,762 in 1907, as against \$2,162,464 in 1906, an increase of \$948,298 in 1907. These figures represent an output of 4,085,448 short tons in 1907 and of 2,941,567 short tons in 1906, an increase in 1907 of 1,143,881 tons. Of the total 1907 output, 1,262,069 tons, valued at \$1,060,658, was for road making; 1,447,406 tons, valued at \$714,574, for railroad ballast, and 1,375,973 tons, valued at \$1,335,530, for concrete. These figures for 1906 were as follows: 858,289 tons, valued at \$722,807, for road making; 1,066,784 tons, valued at \$545,771, for railroad ballast; and 1,016,494 tons, valued at \$893,886, for concrete, an increase in 1907 of 403,780 tons in quantity and \$337,851 in value for road making; of 380,622 tons in quantity and \$168,803 in value for railroad ballast, and of 359,479 tons in quantity and \$441,644 in value for concrete. The total average price per ton was 74 cents in 1906 and 76 cents in 1907. The average price per ton for road making was 84 cents in 1907 and 84 cents in 1906; for railroad ballast it was 49 cents in 1907 and 51 cents in 1906; for concrete 97 cents in 1907 and 88 cents in 1906. Maryland, North Carolina, Virginia, and Georgia had the largest values for crushed granite in 1907, Maryland reporting the greatest value for road making, North Carolina for railroad ballast, and Maryland for concrete. The output of Maryland includes some trap rock and gneiss; the output of Virginia includes gneiss.

The table following shows the value of the granite, including small values for trap and other igneous rocks, produced in the United States in 1906 and 1907, by States and Territories, and by uses in 1906 and

Value of granite and other igneous rocks produced in the United States in 1906 and 1907, by States and Territories and uses.

	25042							
	Sold	in the rou	ugh.	Dressed	Dressed	Made		
State or Territory.	Building.	Monu- mental.	Other.	for building.	monu- mental work.	into paving blocks.	Curbing.	Flag- ging.
Arizona Arkansas California Colorado Connecticut Delaware Georgia Hawaii Idaho Maine Maryland Massachusetts Minnesota Missouri Montana New Hampshire New Jersey North Carolina Oklahoma Oregon Pennsylvania Rhode Island South Carolina Texas Utah Vermont Virginia Washington Wisconsin Wyoming	\$7, 800 1,000 21, 489 13, 450 158, 189 9, 997 109, 215 400 349, 668 211, 524 220, 121 23, 686 211, 524 220, 121 21, 019 51, 029 19, 729 62, 059 350 350 26, 910 12, 665 1,273 47, 154 18, 158 88, 363 520 600	\$3,000 50,541 28,508 44,433 56,010 78,802 80,780 435,280 100,086 28,475 500 91,044 730 623 17,477 4,070 3,525 159,525 35,690 20,961 3,500 3,500 3,500 3,500 3,500 3,500 3,500 3,500 3,500 3,500 3,500 3,60	\$21,042 100 119,057 13,880 400 54,179 9,430 117,847 1,300 2,337 500 109,750 748 100 24 13,808 1,387 25,507 48,349 9 151 252,068	\$255, 189 428, 915 7, 629 26, 350 1, 413, 486 113, 693 1, 750, 695 141, 171 25, 800 18, 700 342, 336 25, 795 162, 766 289, 705 9, 500 20, 052 184, 614 8, 564 1, 400 1, 422, 862 8, 447 1, 435	\$34, 285 18,000 64,019 192, 577 1, 730 289, 334 189, 319 13, 210 98, 622 4, 368 5, 733 171, 700 44, 500 451, 222 16, 936 226, 600	\$61,115 62,305 7,783 123,211 336,979 51,539 199,457 50,000 26,295 89,878 1,216 33,428 113 19,318 42,532 11,340 250 9,557 29,536 16,240 287,823	\$50 11, 250 64, 975 4, 000 19, 064 7, 509 189, 524 66, 786 27, 745 89, 469 13, 587 1, 375 13, 500 52, 939 227 124, 499 600 673 3, 375 3, 500 45, 605 500 6, 818 14, 339 20, 980 3, 106	\$2,235 734 750 5,299 3,788 4,080 1,850 9,690 3,762 640 10,700 116 1,216 5,075
Total	1,770,918	2,293,144	792,173	6, 659, 104	1,822,521	1,459,915	785,995	50,609

			C	rushed stone	1	-	
State or Territory.	Rubble.	Riprap.	Road making.	Railroad ballast.	Concrete.	Other.	Total.
Arizona Arkansas California Colorado Connecticut 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	\$150 \$, 191 12, 121 6, 081 3, 962 27, 515 18, 243 52, 563 61, 367 19, 553 15, 167 323 5, 688 509 2, 070 36, 631 666 6, 665 500 544 28, 477 41, 549 1, 453	\$15,000 33,819 168,206 15,940 7,000 1,875 4,290 3,107 660 3,557 2,323 33 112 4,140 2,565 470 169 745 750 16,875	\$20,000 47,028 332 2,648 6,814 19,400 4,476 9,931 125,655 70,897 31,397 300 6,000 10,350 5,000 3,150 18,691 34,223 31,312 41,018 6,825 7,200 1,725 34,981 13,202 170,192	\$25,000 24,800 37,129 150,690 150 5,803 16,700 426 46,313 134,800 7,111 8,000 11,796 2,067 1,100 64,386 9,500	\$37, 862 16, 365 1, 112 4, 009 48, 849 81, 400 6, 645 11, 504 171, 869 84, 946 34, 956 63, 858 9, 918 300 3, 000 60, 762 400 8, 342 5, 738 3, 765 56, 896 13, 294 472 85, 077 4, 963 77, 590	\$40 \$50 12,075 20,692 23,472 816 1,810 2,350 318 17,355 2,450 750	\$32,042 118,903 740,784 65,402 974,024 116,346 702,315 23,346 400 2,560,021 883,881 3,327,416 626,069 114,005 818,131 110,224 304,048 3778,847 18,847 58,961 349,453 622,812 247,988 168,061 4,948 2,934,825 340,900 459,975 798,213
Total	360,763	322,022	722,807	545,771	893,886	83,178	18, 562, 806

Value of granite and other igneous rocks produced in the United States in 1906 and 1907, by States and Territories and uses—Continued.

			100					
	Solo	in the ro	ugh.	Dressed	Dressed	Made	The state of	
State or Territory.	Building.	Monu- mental.	Other.	for building.	monu-	into paving blocks.	Curbing.	Flag- ging.
Arizona	\$700				\$3,000		\$10,973	
California	35,322	\$49,216	\$6,018	\$485,778	80,397	\$133,013	107,138	\$2,018
Colorado	10,516	18,041		1,490	34,937	*********	2,150	
Connecticut	31, 928 1, 649	26,302	838	110,600	112,393	37,666 12,763	24, 551 8, 004	2,357 450
Delaware Georgia	89,675	31,100	17,050	76, 252	1,000	151, 181	215, 758	5,515
Hawaii				10,202	1,000	2029202	220,100	
Idaho		1,800			5,000		1,750	
Maine	318,816	60,263		1,007,572	166,789	355, 462	139,148	18,742
Maryland	107,694 267,984	13,657 337,016	39,327	55, 781 907, 119	8,928 66,578	56, 585 319, 037	23,279 87,898	13,406 4,632
Minnesota	8,829	69,936	1,200	52,248	264, 333	20,741	22,991	3,768
Missouri	342	34,530		8,550	16,675	15,966		
Montana	2,000	2,000		51,000	13,000	700	4,700	2,000
New Hampshire	49, 831 4, 858	90,352	36 500	224, 269 8, 075	133,601	74, 978 1, 456	43,944	2,865
New Jersey New Mexico	4,000	103	300	0,015	500	1, 400		
New York	6,800	4,000		31,567	7,089		1,686	
North Carolina	50,062	16,010	50	319,821	41,120	65, 379	63,061	4,236
Oklahoma	4,750	6,000	500 120	7,000 1,250	9,200	8,600	150	18
Oregon Pennsylvania	3,910 189,837	3,100 8,846	1,256	60,863	9,200	21,310	1,510 7,086	12
Rhode Island	8,125	172,396	642	172,041	200,573	85,091	50	
South Carolina	9,425	50,515		900		5, 253	18, 491	20
South Dakota				690				
Texas Utah	8,739 782	15, 447 1, 658	2,000	14,747	44, 460 800	25	780	
Vermont	29,764	1,122,063	6,334	1,009,353	515, 859	5,330	2,721	
Virginia	19,350	8,039		13,275	9,787	18,072	6,000	
Washington	7,660	34,145	16,750	126,782	1,677	917	25, 802	
Wisconsin	11, 331	62,745	70,753	4,100	361,296	538,783		9,822
Wyoming	90	********						
Total	1,280,769	2,239,327	187,096	4,752,593	2,099,492	1,928,308	819,621	69,854
				The same of				

	400		Cr	ushed stor	ie.		
State or Territory.	Rubble.	Riprap.	Road making.	Railroad ballast.	Concrete.	Other.	Total.
Arizona	\$200 25,271 191,996	\$13,160 36,991	\$6,000 79,254	\$5,220	\$113,592 40,713	\$9,800	\$13,700 168,996 1,306,324 67,134
Connecticut. Delaware. Georgia. Hawaii	114,178 3,033 26,954	118,830 12,184 925	7,000 40,298 25,000	36, 668 152, 297	3,510 41,628 60,896 7,599	1,000 5,000 12,000	591,153 158,192 858,603 19,599
Idaho Maine Maryland Massachusetts Minnesota	17,025 77,901 118,308 15,379	2,998 7,266 43,900 16,700	17,392 1,511 282,310 70,585 8,373	325 41,266 1,086 14,000	19, 926 490, 378 63, 297 48, 105	14,361 5,062 2,010	25, 942 2,146, 420 1,183,753 2,328,777 546,603
Missouri Montana. New Hampshire. New Jersey. New Mexico.	20,650 5,572 500	8,375 6,000 3,949	3,975 11,890	45, 880 167, 294	35, 443 14, 349 2, 193		136, 405 102, 050 647, 721 75, 757 167, 294
New York	762 6,823 650 614	4,900 2,941 3,600	70, 750 53, 939 80, 103	19,300 175,847	35, 591 106, 497 1, 200 7, 450	107,277 690	289, 722 906, 476 24, 550 117, 625
Pennsylvania. Rhode Island. South Carolina South Dakota. Texas.		100 1,002 25 10,600	28, 117 25, 480 25, 887	2,726	9,711 5,550 4,500	17,026 2,750 400	366, 679 674, 148 129, 377 690 122, 158
Utah Vermont Virginia Washington Wisconsin Wyoming	25 16,350 40,818 801	28, 852 281, 936 14, 790	2, 431 59, 937 17, 930 110, 072	50,804	167, 960 44, 082	7,935 288	5,240 2,693,889 398,426 562,352 1,228,863 90
Total	717,998	620,033	1,060,658	714, 574	1, 335, 530	238, 855	18,064,708

The following table shows the value of the production of granite, including a small output of igneous rocks, in the United States from 1903 to 1907, inclusive:

Value of granite, etc., produced in the United States, by States and Territories, 1903-1907.

Arkansas 47,136 52,616 90,312 118,903 1 California 1,161,266 1,180,415 1,161,330 740,784 1,3 Colorado 100,791 91,132 73,802 65,402 Connecticut 871,941 558,334 636,364 974,024 56 402 Delaware 369,166 245,272 178,428 146,346 51 Georgia 672,947 942,466 971,207 792,315 8 Hawaii 22,750 1,500 400 1 Indian Territory 4,030 5,152 1,800 400 Maine 2,586,765 2,400,509 2,713,795 2,560,021 2,1 Maryland 837,787 815,471 957,948 883,881 1,1 Massachusetts 2,351,027 2,554,748 2,251,319 3,327,416 2,3 Mississippi 40 405,956 481,908 626,009 5 Mississippi 40 40 405,956 </th <th>State or Territory.</th> <th>1903,</th> <th>1904.</th> <th>1905.</th> <th>1906.</th> <th>1907.</th>	State or Territory.	1903,	1904.	1905.	1906.	1907.
California 1,161,266 1,180,415 1,161,330 740,784 1,3 Colorado 100,791 91,332 73,802 65,402 65,402 Connecticut 871,941 558,334 636,364 974,024 5 Delaware 369,166 245,272 178,428 146,346 1 Georgia 672,947 942,466 971,207 792,315 8 Hawaii 2,750 1,500 400 1 1,500 400 1 Indian Territory 4,030 5,152 1,800 1,80	Arizona		\$2,500	\$3,700	\$32,042	\$13,700
Colorado. 100, 791 91, 132 73, 802 65, 402 Connecticut 871, 941 558, 334 636, 364 974, 024 5 Delaware 369, 166 245, 272 178, 428 146, 346 1 Georgia 672, 947 942, 466 971, 207 792, 315 8 Hawaii 2, 750 1, 500 400 1 Idaho 2, 750 1, 500 400 1 Maine 2, 586, 765 2, 400, 509 2, 713, 795 2, 560, 021 2, 1 Maryland 837, 787 815, 471 957, 048 883, 881 1, 1 Massachusetts 2, 351, 027 2, 554, 748 2, 251, 319 3, 327, 416 2, 3 Missouri 150, 409 155, 716 180, 579 150, 009 3 Missouri 150, 409 155, 716 180, 579 150, 009 1 Mortana 25, 993 33, 890 126, 430 114, 005 1 New Hampshire 854, 513 927, 487 <td>Arkansas</td> <td>47,136</td> <td>52,616</td> <td>90,312</td> <td>118,903</td> <td>168,996</td>	Arkansas	47,136	52,616	90,312	118,903	168,996
Connecticut S71, 941 558, 334 636, 364 974, 024 5 Delaware 369, 166 245, 272 178, 428 146, 346 1 Georgia 672, 947 942, 466 971, 207 792, 315 1 Hawaii 2, 750 22, 042 33, 550 23, 346 1 Indian Territory 4, 030 5, 152 1, 800 400 1 Maine 2, 586, 765 2, 400, 509 2, 713, 795 2, 560, 021 2, 1 Maryland 837, 787 2, 554, 748 2, 251, 319 3, 27, 416 2, 3 Minnesota 403, 906 405, 956 481, 908 626, 669 5 Mississippi	California	1,161,266	1,180,415	1,161,330	740, 784	1,306,324
Delaware 369, 166 245, 272 178, 428 146, 346 1 Georgia 672, 947 942, 46e 971, 207 792, 315 8 Hawaii 22, 042 33, 550 23, 346 Idaho 2, 750 1, 500 400 Indian Territory 4, 030 5, 152 1, 800 Maryland 887, 787 815, 471 997, 048 883, 881 1, 1 Massachusetts. 2, 351, 027 2, 554, 748 2, 251, 139 3, 327, 416 2, 3 Minnesota 403, 906 405, 956 481, 908 626, 069 5 Missouri 150, 409 155, 716 180, 579 150, 009 1 Montana 25, 993 33, 890 126, 430 114, 005 1 New Hampshire 854, 513 927, 487 888, 371 818, 131 6 New Hersey 124, 135 37, 197 76, 758 101, 224 1 New Wexico 159, 590 196, 685 134, 425 304, 048 <td< td=""><td>Colorado</td><td>100,791</td><td></td><td>73,802</td><td>65, 402</td><td>67,134</td></td<>	Colorado	100,791		73,802	65, 402	67,134
Georgia 672, 947 942, 466 971, 207 792, 315 8 Hawaii 2, 750 1, 500 400 1, 500 400 Indian Territory 4, 030 5, 152 1, 800 400 Maine 2, 586, 765 2, 400, 509 2, 713, 795 2, 560, 021 2, 1 Maryland 837, 787 815, 471 957, 048 883, 881 1, 1 Massachusetts 2, 351, 027 2, 554, 748 2, 251, 319 3, 327, 416 2, 3 Missosissippi 403, 906 405, 956 481, 908 626, 609 15, 716 180, 579 150, 009 1 Missourl 150, 409 155, 716 180, 579 150, 009 1 Montana 25, 993 33, 890 126, 430 114, 005 1 New Hampshire 854, 513 227, 487 888, 371 818, 131 6 New Jersey 124, 135 37, 197 76, 758 101, 224 1 New Mexico 159, 590 196, 685 134, 425 </td <td>Connecticut</td> <td>871,941</td> <td>558, 334</td> <td>636, 364</td> <td>974,024</td> <td>591, 153</td>	Connecticut	871,941	558, 334	636, 364	974,024	591, 153
Hawaii	Delaware	369, 166	245,272	178, 428	146, 346	158, 192
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Georgia	672,947	942, 466	971,207	792, 315	858,603
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Hawaii		22,042	33,550	23, 346	19,599
Maine. 2,586,765 2,400,509 2,713,795 2,560,021 2,1 Maryland 837,787 815,471 957,048 883,881 1,1 Massachusetts. 2,351,027 2,554,748 2,251,319 3,327,416 2,3 Minnesota. 403,906 405,956 481,908 626,069 5 Mississippi 400 400 45,956 481,908 626,069 5 Missourl 150,409 155,716 180,579 150,009 1 Montana. 25,993 33,890 126,430 114,005 1 New Alampshire 854,513 927,487 838,371 818,131 6 New Jersey 124,135 37,197 76,758 101,224 1 New Mexico. 159,590 196,685 134,425 304,048 2 North Carolina 218,947 297,749 564,578 778,847 8 Oklahoma 5,000 26,930 18,920 18,847 8	Idaho	2,750		1,500	400	25,942
Maryland 837,787 815,471 957,048 883,881 1.1 Massachusetts 2,351,027 2,554,748 2,251,319 3,227,416 2,3 Minnesota 403,906 405,956 481,908 626,069 481,908 626,069 Missouri 150,409 155,716 180,579 150,009 1 Montana 25,993 33,890 126,430 114,005 1 New da 7,450 1,200 1,200 1 New Hampshire 854,513 927,487 838,371 818,131 6 New Jersey 124,135 37,197 76,758 101,224 1 New Mexico 159,590 196,685 134,425 304,048 2 North Carolina 218,947 297,749 564,578 778,847 8 Oklahoma 5,000 26,930 18,920 18,847 20 Oregon 118,411 235,213 85,330 58,961 1 Pennsylvania 370,551	Indian Territory	4,030	5,152	1,800		
Maryland 837,787 815,471 957,048 883,881 1,1 Massachusetts 2,351,027 2,554,748 2,251,319 3,327,416 2,3 Minnesota 403,906 405,956 481,908 626,009 5 Missouri 150,409 155,716 180,579 150,009 1 Montana 25,993 33,890 126,430 114,005 1 New daa 7,450 1,200 1,200 1 New Hampshire 854,513 927,487 838,371 818,131 6 New Jersey 124,135 37,197 76,758 101,224 1 New York 159,590 196,685 134,425 304,048 2 North Carolina 218,947 297,749 564,578 778,847 8 Oklahoma 5,000 26,930 18,920 18,847 8 Oregon 118,411 235,213 85,330 58,961 1 Pennsylvania 370,551 471,528	Maine	2,586,765	2,400,509	2,713,795	2,560,021	2, 146, 420
Massachusetts 2,351,027 2,554,748 2,251,319 3,327,416 2,3 Minnesota 403,906 405,956 481,908 626,069 5 Mississippi 40 40 155,716 180,579 150,009 1 Missouri 150,409 155,716 180,579 150,009 1 Nevada 7,450 1,200 126,430 114,005 1 New Hampshire 854,513 927,487 838,371 818,131 6 New Jersey 124,135 37,197 76,758 101,224 1 New York 159,590 196,685 134,425 304,048 2 North Carolina 218,947 297,749 564,578 778,847 8 Oklahoma 5,000 26,930 18,920 18,847 18 Oregon 118,411 235,213 85,330 58,961 1 Pennsylvania 370,551 471,528 450,619 349,453 3 Rhode Island	Maryland	837, 787	815, 471		883, 881	1,183,753
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Massachusetts	2,351,027	2,554,748	2, 251, 319	3,327,416	2,328,777
Missouri 150, 409 155, 716 180,579 150,009 1 Montana 25,993 33,890 126,430 114,005 1 Nevada 7,450 1,200 1 1 1 1 1 1 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 0 1 1 1 0 1	Minnesota	403, 906	405,956		626,069	546,603
Montana 25,993 33,890 126,430 114,005 1 Nevada 7,450 1,200 126,430 114,005 1 New Hampshire 854,513 927,487 838,371 818,131 6 New Mexico 124,135 37,197 76,758 101,224 1 New York 159,590 196,685 134,425 304,048 2 North Carolina 218,947 297,749 564,578 778,847 8 Oklahoma 5,000 26,930 18,920 18,847 20 Oregon 118,411 235,213 85,330 58,961 1 Pennsylvania 370,551 471,528 450,619 349,453 3 Rhode Island 7710,291 684,952 556,364 622,812 6 South Carolina 476,863 382,428 297,284 247,998 1 South Dakota (4) 900 1 130,439 13,630 4,948 Vermont 1,8	Mississippi		440			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Missouri	150, 409	155,716	180,579	150,009	136, 405
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Montana	25,993	33,890	126, 430	114,005	102,050
New Jersey 124,135 37,197 76,758 101,224 1 New Mexico 159,590 196,685 134,425 304,048 2 North Carolina 218,947 29,749 564,578 778,847 8 Oklahoma 5,000 26,930 18,920 18,847 8 Oregon 118,411 235,213 85,330 58,961 1 Pennsylvania 370,551 471,528 450,619 349,453 3 Rhode Island 7710,291 684,952 556,364 622,812 6 South Carolina 476,863 382,428 297,284 247,998 1 South Dakota 49 900 297,284 247,998 1 Texas 173,325 348,317 132,193 168,061 1 Utah 3,803 7,980 13,630 4,948 1 Vermont 1,810,179 2,447,979 2,571,850 2,934,825 2,6 Virginia 299,335 5	Nevada	7,450	1,200			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	New Hampshire	854, 513	927, 487	838, 371	818, 131	647,721
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	New Jersey	. 124, 135	37,197	76,758	101, 224	75,757
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						167, 294
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	New York	. 159,590	196, 685	134, 425	304, 048	289,722
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	North Carolina	. 218, 947	297,749	564,578	778, 847	889, 976
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Oklahoma	5,000	26,930	18,920	18,847	24,550
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			235, 213	85,330		117,625
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Pennsylvania	370,551	471,528	450,619	349, 453	366, 679
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Rhode Island	710, 291	684, 952	556.364	622, 812	674, 148
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	South Carolina	476,863	382, 428	297, 284		129, 377
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	South Dakota	. (a)	900			690
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			348, 317	132, 193	168, 061	122, 158
Virginia 299,335 510,788 452,390 340,900 3 Washington 209,095 422,508 681,730 459,975 5 Wisconsin 573,391 724,422 825,625 798,213 1,2	Utah	3,803	7,980	13,630	4,948	5,240
Virginia 299,335 510,788 452,390 340,900 3 Washington 209,095 422,508 681,730 459,975 5 Wisconsin 573,391 724,422 825,625 798,213 1,2			2,447,979		2,934,825	2,693,889
Washington. 209,095 422,508 681,730 459,975 5 Wisconsin. 573,391 724,422 825,625 798,213 1,2						398, 426
Wisconsin. 573, 391 724, 422 825, 625 798, 213 1, 2	Washington	209,095				562,352
						1,228,863
						90
Total			17 101 470	17 563 130	18 562 806	18,064,708

a Value of quartzite included in sandstone.

The following table shows the quantity and value of granite paving blocks produced in the United States in 1906 and 1907, by States:

Number and value of granite paving blocks produced in 1906 and 1907, by States and Territories.

		Paving	blocks.	
State or Territory.	19	06.	190	7.
	Number	Value.	Number.	Value.
California	1,415,000	\$61,115	2,674,307	\$133,013
Connecticut	806, 863	62, 305	854,134	37,666
Delaware	162, 281	7,783	298,073	12,763
Georgia	3,927,500	123, 211	5,410,000	151, 181
Maine	8, 658, 437	336,979	6, 292, 753	355, 462
Maryland	1,126,082	51,539	901,225	56,585
Massachusetts	4,936,078	199,457	5, 995, 040	319,037
Minnesota	744, 150	50,000	315,000	20,741
Missouri	624, 453	26,295	336,007	15,966
Montana			10,000	700
New Hampshire		89,878	1,782,406	74,978
New Jersey	38, 567	1,216	43, 426	1,456
New York				
North Carolina	974, 330	33, 428	1,115,859	65,379
Oklahoma	2,250	113		
Oregon			200,000	8,600
Pennsylvania		19.318	442,500	21,310
Rhode Island	834, 001	42,532	1,643,360	85,091
South Carolina	348, 615	11,340	239,086	5,253
Texas	10,000	250	800	25
Vermont	282,930	9,557	171,000	5,330
Virginia	1,385,000	29,536	685,100	18,072
Washington	230,000	16,240	13,921	917
Wisconsin	5, 110, 586	287,823	9, 136, 584	538,783
Total	34, 370, 669	1,459,915	38, 560, 581	1,928,308
Average value per thousand	02,010,000	42, 48	50,550,501	50,00

From this table it appears that there was a considerable increase in the granite paving-block industry in 1907 as compared with 1906. In 1906 the output was 34,370,669 blocks, valued at \$1,459,915; in 1907 it was 38,560,581 blocks, valued at \$1,928,308, an increase of 4,189,912 blocks in quantity and \$468,393 in value. These figures are exclusive of the trap-rock blocks from California, Connecticut, New York, New Jersey, and Pennsylvania.

The average price increased from \$42.48 per thousand blocks in 1906 to \$50 per thousand in 1907, a gain of \$7.52 per thousand. Paving blocks vary in price from \$20 per thousand to over \$80 per thousand,

according to size and regularity of shape.

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.

Granite production of Vermont.—The following table made out for the forthcoming report of T. Nelson Dale of the United States Geological Survey on the granites of Vermont gives the granite output of Vermont by counties, and also shows the quantity of stone quarried and sold by the producers for building and monumental work during the years 1906 and 1907. This represents practically all the granite quarried and sold in Vermont in these two years, the quantity used for paving blocks and other purposes being practically negligible:

Production of granite in Vermont in 1906 and 1907, by counties.

1906

			1906			4		
					1	Building.		DOM: N
County			Number of firms report-	R	ough.		Dress	ed.
			ing.	Quantity (cubic feet	value		antity ic feet).	Value,
Washington and Orange			4				234,946	\$771,169 651,693
	Caledonia, Essex, and Orleans		14 3	2,00 11,30		000		
Total Average value per cu. ft			53	80,06	47,154		126,739	1,422,862 3,33
		Monui	nental.		Pav	ing	Other pur-	
	Rough.		Dressed.		1.41	mg.	poses.	Total
County.	Quantity (cubic feet).	Value,	Quantity (euble feet).	Value.	Quantity (number of blocks).	Value,	Value,	value.
Washington and Orange. Windsor	1,006,436 2,200	\$879,745 3,200	110,277 14,534	\$428,035 22,447	112,930	\$3,647	\$9,688	\$2,134,422 677,340
Orleans	206,947	110,275	1,850	740	170,000	5,910	700 422	112,715 10,348
Total	1,215,583	993,220	126,661	451,222 3.56	282,930	9,557	10,810	2,934,825

Production of granite in Vermont in 1906 and 1907, by counties—Continued.

1907.

						Build	ling.		
County			Number of firms report-	F	lough.		Dressed.		
			ing.	Quantity (cubic fee			Quantity (cubic feet).		Value.
Washington and Orange			39 4 9	4		239	100,081 204,076		\$234,583 774,460
			3	4,45		,125		325	310
Total			55	43,293 29,76		764 . 68	304,482		1,009,353 3.31
		Monu	mental.	Pav	ing		Other pur-		
	Rough.		Dressed.					poses.	Total
	Quantity (cubic feet).	Value,	Quantity (cubic feet).	Value.	Quantity (number of blocks).		lue.	Value.	value.
Washington and Orange. Windsor	1,144,263 1,847 143,427	\$1,037,993 3,254 77,816	136,103 3,000	\$503,759 12,000	5,000		\$150	3,645	\$1,805,369 789,714 80,967
Windham			40	100	166,000	5	,180	6,124	17,839
TotalAverage value per cu. ft	1,202,908	1,122,063 . 93	139,143	515,859 3.70	171,000	5	,330	11,520	2,693,889

It appears that in 1907 there were sold in Vermont 347,775 cubic feet of granite building stone, valued at \$1,039,117, and in 1906, 506,801 cubic feet, valued at \$1,470,016, a decrease in 1907 of 159,026 cubic feet in quantity and of \$430,899 in value.

The figures for monumental stone for the two years were 1,342,051 cubic feet, valued at \$1,637,922 in 1907, and 1,342,244 cubic feet, valued at \$1,444,442, in 1906, a decrease in 1907 of 193 cubic feet in

quantity but an increase of \$193,480 in value.

From these figures it will be seen that although the quantity of stone sold for monumental work in 1907 was about four times as great as the quantity sold for building stone, the total value to the quarrymen of the monumental stone increased only one and one-half times. As the table indicates, this is on account of the large quantity of monumental stone sold to the manufacturer in the rough state and the large quantity of building stone sold as dressed stone.

By using the average price per cubic foot of dressed building and dressed monumental stone, it may be calculated that the total value of all the building stone as dressed stone in 1907 was \$1,152,653, while the total value of all the monumental stone as dressed or manu-

factured stone was \$4,966,619.

TRAP ROCK.

In former years the figures of trap rock production in the States of California, Connecticut, Massachusetts, New Jersey, New York, and Pennsylvania, where trap rock has formed a considerable industry, have been included in the totals with granite, although a table has

been given showing this production by itself. In this report, however, the trap rock figures for the States named have been segregated, only such trap rock values being left in the granite figures as are included in States where the quantity produced is inappreciable. The California output of trap rock includes a considerable quantity of basalt.

The total output of trap rock in 1907 was valued at \$4,594,103;

in 1906 it was \$3,736,571, an increase of \$857,532 for 1907.

The chief gain was in crushed stone, which forms the basis of the trap rock industry and which increased in value from \$3,341,863 in 1906 to \$4,280,554 in 1907, or \$938,691. The quantities corresponding to these values were 5,054,188 short tons in 1906 and 6,073,472 short tons in 1907, an increase in 1907 of 1,019,284 tons. The average value per ton was 66 cents in 1906 and 70 cents in 1907.

In the different crushed stone products the increase was in the value of stone used for road building, particularly in California, due to rebuilding of roads destroyed in 1906 by the earthquake. Crushed stone for railroad ballast also increased in value, but crushed stone

for concrete decreased.

For many years New Jersey led in value of trap rock production, and in 1906 was followed by Pennsylvania, New York, California, Massachusetts, and Connecticut, in the order named. In 1907, however, California, for reasons above noted, took first place, followed by New Jersey, New York, Pennsylvania, Connecticut, and Massachusetts.

The following table shows the value of the trap rock output in the

United States in 1906 and 1907, by States and uses:

Value of trap produced in the United States in 1906 and 1907, by States and uses.

1906.

			C	rushed stone	8.		
State.	Building.	Paving.	Road mak- ing.	Railroad ballast.	Concrete.	Other.	Total.
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
			1001.				
California Connecticut. Massachusetts. New Jersey. New York. Pennsylvania.	\$4,600 6,052 20,947 5,369	\$132,345 15,110 31,126 1,500 2,409	\$435, 241 215, 206 225, 983 557, 655 764, 582 236, 485	\$89,031 74,660 41,774 161,367 7,367 306,698	\$356, 427 144,825 141,370 224,587 107,090 190,206	\$12,105 4,100 2,530 10,332 34,856 13,933	\$1,029,749 459,953 432,604 995,436 915,395 760,960
Total	48, 203	182,490	2, 435, 152	680,897	1,164,505	82,856	4,594,10

The following table shows the quantity and value of trap paving blocks produced in the United States in 1906 and 1907, by States:

Number and value of trap paving blocks produced in the United States, 1906-7, by States.

	Paving blocks.							
State.	190	6.	1907.					
	Number.	Value.	Number.	Value.				
California Connecticut New Jersey	3,080,391 17,015 1,714,200	\$136,310 340 52,700	2,494,989 474,580 1,107,000	\$132,345 15,110 31,126				
New YorkPennsylvania	88,084	3,662	50,000 55,900	1,500 2,409				
Total. Average price per thousand.	4,899,690	193,012 39	4, 182, 469	182,490 41				

SANDSTONE.

Since 1903 sandstone has shown more perhaps than any other kind of stone the effect of the use of cement and concrete for foundations, buildings, paving, flagging, and curbing, and the use of concrete blocks for buildings; and in 1907 it was particularly affected by the general financial depression. The chief use of sandstone is as building stone, and the decrease in this use was so great that it was not offset, as in limestone and to some extent in granite, by any large increase in output for some other purpose. Sandstone, however, for all other

uses increased in value in 1907 as compared with 1906.

The total value of the sandstone production was \$8,871,678 in 1907 and \$9,169,337 in 1906, a decrease of \$297,659 in 1907. The total value for 1907 is the smallest since 1901, when the value of the output was \$8,138,680. Pennsylvania, New York, and Ohio with total values, respectively, of \$2,064,913, \$1,978,117, and \$1,591,148 in 1907, were the principal sandstone-producing States. The next States in order of value of output were California, Minnesota, Colorado, Washington, and Massachusetts, with values ranging from \$437,738 to \$243,323. In 1906 the production of the three ranking States, Pennsylvania, New York, and Ohio, was valued at \$2,724,874, \$1,905,892, and \$1,426,645, respectively, showing an increase for 1907 of \$72,225 for New York and of \$164,503 for Ohio, and a decrease of \$659,961 for Pennsylvania. The next States in rank in 1906 were California, Colorado, Minnesota, Massachusetts, and New Jersey, with values of production ranging from \$642,166 to \$215,142.

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. The output of New York also includes in 1906 and

1907 a small value for Connecticut.

Building stone.—Building stone, rough and dressed, was valued at \$3,154,783 in 1907 and at \$4,275,669 in 1906, a decrease in 1907 of \$1,120,886. The decrease was general for all States producing any quantity of this class of material, with the exception of Washington, West Virginia, and Wisconsin, which States showed increase. The decrease in Pennsylvania is especially noticeable. A large quantity of the Pennsylvania stone is ordinarily used by railroad companies

in building bridges, and in 1907 this work was either practically stopped or cement or concrete was substituted for stone. California sandstone also showed a decided decrease instead of the recovery

noticed for the other varieties of stone.

The leading States in production of building stone were Pennsylvania, Ohio, New York, and California, with values respectively of \$651,147, \$602,001, \$546,415, and \$229,771. In 1906 the values were: Pennsylvania, \$1,346,140; New York, \$724,164; Ohio, \$659,611; California, \$400,083; a decrease of \$694,993 for Pennsylvania, of \$57,610 for Ohio, of \$177,749 for New York, and of \$170,312 for California.

Ganister.—Ganister reported from Pennsylvania, Wisconsin, Colorado, Maryland, Ohio, and Illinois, according to rank of value of output, was valued at \$308,520 in 1907, as against \$284,066 in 1906, a

gain of \$24,454.

Paving.—Sandstone for paving increased in value from \$694,995 in 1906 to \$884,843 in 1907, a gain of \$189,848. This class of stone consists chiefly of the bluestone of New York and Pennsylvania with a considerable output from Minnesota, Washington, and South Dakota.

Curbing.—Curbing was valued at \$1,380,516 in 1907, as against \$1,074,369 in 1906, an increase of \$306,147. New York, Ohio, and Pennsylvania, the principal producers of this material, showed marked increases in value. The New York and Pennsylvania production was

chiefly bluestone.

Flagging.—There was a small increase in the output of flagging from \$1,097,438 in 1906 to \$1,185,879 in 1907, a gain of \$88,441. Ohio, New York, and Pennsylvania were the largest producers, New York and Pennsylvania decreasing in output, and Ohio increasing.

Rubble.—Rubble increased in value \$31,332, from \$525,108 in 1906

to \$556,440 in 1907.

Riprap.—The value of the sandstone used for riprap increased from

\$231,654 in 1906 to \$289,419 in 1907, an increase of \$57,765.

Crushed stone.—Sandstone for crushed stone increased in value in 1907 only to a small extent in comparison with the other varieties of stone. In 1907, the production was 1,336,314 short tons, valued at \$987,528, as against 1,257,508 short tons, valued at \$889,894 in 1906, an increase of 78,806 tons in quantity and of \$97,634 in value. The average price per ton was 71 cents in 1906 and 74 cents in 1907. The largest part of the output is used for concrete and roadmaking. Pennsylvania, California, and Massachusetts were the largest producers.

The total output dues not include sandstone made into abrasives, such as grindstones, whetstones, oilstones, and pulpstones, nor does it include sandstone ground into sand and used for glass sand, molding sand, or polishing sand.

The following table shows the value of the sandstone production in the United States from 1903 to 1907, inclusive, by States and Territories:

Value of sandstone production in the United States, 1903-1907, by States and Territories.

State or Territory.	1903.	1904.	1905.	1906.	1907.
labama	\$42,933	\$12,788	\$28, 107	\$40,467	\$48,67
Arizona		91,960	65, 558	33, 149	158, 43
rkansas	61, 172	63,950	58, 161	55,703	94, 27
California		735, 662	685, 668	642, 166	437, 73
colorado		281, 142	453, 029	286,544	299, 44
Connecticut		117,696	62, 618	(a)	(a)
daho		9,320	22, 265	11,969	24, 00
llinois		47,377	29, 115	19, 125	14, 99
ndiana	32,651	22,681	15, 421	30,740	15, 42
ndian Territory			2, 198	615	
0Wa	19,011	9,300	9, 335	5,600	3,54
Cansas	102, 128	130, 516	79,617	42,809	46, 83
Kentucky		93,622	280, 579	125, 123	98, 45
ouisiana		8, 315			**********
Maryland		8,998	12,984	9,533	13, 85
Jassachusetts		320, 861	367, 461	260, 721	243, 32
dichigan		74, 868	123, 123	65, 395	53, 00
dinnesota	363, 262	319, 209	294, 640	285, 433	300, 20
Aissouri		44, 455	27,686	20,951	35, 28
dontana		64, 232	45, 116	37, 462	39, 21
Nebraska		142	120	6,899	11,60
Nevada	2,370	10,558	1,500	017 140	***** 0.0
New Jersey		236, 426	294, 719	215, 142	177, 66
New Mexico		133, 390	101,522	42,574	12, 45
New York		b1, 755, 524 250	61, 831, 756	be1, 905, 892 3, 531	bc1, 978, 11 4, 10
North Carolina		200	4, 483 1, 055	3, 331	3, 26
	1,793,379	1,808,062	1,744,472	1, 426, 645	1,591,14
Oklahoma		2,995	12, 914	40, 246	43, 40
Oregon		6, 186	1, 229	25, 950	3, 90
Pennsylvania		b2, 641, 510	b2, 487, 939	62,724,874	52,064,91
outh Dakota		338, 970	193, 408	145, 966	143, 58
'ennessee		24, 868	8,715	14, 136	16, 52
'exas		209, 313	123, 281	111,533	108, 04
Jtah.	71, 279	70, 168	43, 429	137,529	24, 29
7irginia		13, 522	2,000	5, 100	(d)
Vashington		88, 185	124, 910	169,500	295, 58
West Virginia	252, 204	287, 381	171, 309	113, 369	e 197, 92
Wisconsin	142, 445	158, 503	161, 741	181,986	236, 18
Wyoming	91,849	30,986	33, 591	24, 715	32, 25
	04,039	0.7,000	00,004	20,120	000,000
Total	11, 262, 259	10, 273, 891		9, 169, 337	8, 871, 67

a Included in New York.
b Includes bluestone.

 $[^]d$ Included in West Virginia. e Includes a small value for Virginia. e Includes Connecticut.

The following table shows the value of the sandstone production of the United States in 1906 and 1907, by States and Territories and uses:

Value of sandstone production in the United States in 1906 and 1907, by States and Territories and uses.

1906.

State or Territory.	Rough building.	Dressed building.	Ganister.	Paving.	Curbing.	Flagging.	Rubble.
Alabama							\$14,975
Arizona	\$4,358				********		1,036
Arkansas	2,879	\$1,746		\$25	\$19,873	\$4,636	2, 225
California	100, 483	299,600		920	8,642		18,050
Colorado	67, 139	15,301	\$40,522	16,225	44, 543	33, 703	29,655
Connecticut	01,105	10,001	\$10,022	10,220	44,040	30, 100	20,000
Idaho	5, 088	756					6, 125
Illinois	7,735	4,885	1,500	2,500	50	50	1,500
Indiana	4,550	19,240	1,000	2,000	4, 250	150	1,350
Indian Territory	467	10,240		8	4,200	100	140
Iowa	4, 184	30			113	30	460
Kansas	23, 496	700		2,450	6, 297	6,546	1,975
Kentucky	64, 161	41,762		1,200	1,800	1,875	3, 450
Maryland	3, 661	21,002	5,760	1,200	1,000	1,010	0, 400
Massachusetts	53,016	52, 402	0, 100		1		6,860
Michigan	35, 272	18,950					10, 403
Minnesota	13, 112	58, 789		72,012	42, 193	2,708	31, 209
Missouri	6,802	7,298	*********	100	318	418	3, 115
Montana	4, 257	30, 477	********	100	010	310	2,110
Nebraska	374	00, 111		7		*********	2,110
New Jersey	119, 413	21,250		500	2,950	5,650	45,000
New Mexico	4, 040	3, 225		500	375	0,000	3,010
New York	230, 102	494, 062	*********	374, 278	375,539	366, 423	48, 362
North Carolina	200, 102	2,000		Or My arto	0,0,000	000, 120	895
North Dakota	10	2,000	*******	20	********		4
Ohio	310, 256	349, 355	6,750	350	251,509	383, 457	36,696
Oklahoma	22,908	8,650	0,100	000	60	115	6,263
Oregon	25, 845	105			-	410	0, 200
Pennsylvania	510, 299	835,841	196,804	112,456	305, 470	277,623	152,971
South Dakota		30, 356	200,002	32, 300	320	654	27,875
Tennessee	250	10,531		02,000	150	75	3,000
Texas.	8,713	21,302			630		5,903
Utah	600	2,014	*********	16,750	400	20	17,645
Virginia	1,250	250		200	200		11,020
Washington		59,700		62,922			2,410
West Virginia	27, 169	32, 186		592	8, 125	10, 185	14, 418
Wisconsin		82, 357	32,730	100	758	1,120	23, 084
Wyoming		4,900	02,100	200	100	2,000	2,934
11 J outside 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13,000	3,000		200		2,000	2,004
Total	1,765,649	2,510,020	284, 066	694, 995	1,074,369	1,097,438	525, 108
	2,,00,010	m, 525, 626	2000	000	2,000	2,000, 100	020,200
	The second second		A contract of				Part of the last o

Value of sandstone production in the United States in 1906 and 1907, by States and Territories and uses—Continued.

1906-Continued.

		C	rushed stone).	-	
State or Territory.	Riprap.	Road making.	Railroad ballast.	Concrete.	Other.	Total.
Alabama	\$25, 492				The state of the s	\$40, 46
Arizona	1,625				\$26,130	33, 14
Arkansas	350	\$977		\$22,952	40	55, 70
alifornia	63	178, 548	\$585	33, 942	2, 253	642, 16
olorado	1,314	110,010	7,600	25, 027	5, 515	286, 54
onnecticut	1,011	**********	1,000	20,021	0,010	(a)
daho						11.96
llinois	705	200				19, 13
ndiana	1,200	200				30, 7
ndian Territory	1,200	*********	*********	***********	********	61
owa.	32	150			602	5,60
Cansas	02	200			1,345	42,80
Centucky	2,875		7,500	500	1,020	125, 1
Iaryland	2,010	8	1,000	100		9, 5;
fassachusetts		33, 208	*********	112,885	2,350	260, 7
lichigan	770	00, 200	**********	112,000	2,000	65, 3
finnesota	7,531	11,619	*********	37,918	8,542	285, 6
fissouri	1,400	11,010	*********	01,010	1,500	20, 9
Aontana	465		*********	**********	1,500	37, 4
Vebraska	6,500			18	100	6, 8
Vew Jersey	1,000	9,400	200	3, 150	6,629	
New Mexico	1,000	9,400		5, 100	1,600	215, 1
	2,040	6,600	30, 324	2,365		42,5
	2,040	0,000	*********	2,300	6, 121	b 1,905, 8
North Carolina				**********	636	3, 5
	38, 350	6,800	10 200	10 500		
Ohio			19, 300	13,575	10,247	1, 426, 6
klahoma	50	50	*********	2,075	75	40, 2
Oregon	00 000	04 000	***********	***********	01 000	25, 9
ennsylvania	66, 626	34,000	108, 391	103, 120	21,273	2,724,8
outh Dakota	13, 964	180	157	14,000	59	145, 9
ennessee			100		30	14, 1
exas	40, 983	9,000	1,000	23,850	152	111,5
tah			*********	**********	100	37, 5
irginia				3,600	********	5,1
Vashington	1,923		**********		563	169, 5
Vest Virginia	1,076	3,734	3,560	12, 105	219	113, 3
Visconsin	15, 320	5, 403		43		181,9
Vyoming				75		24, 7
(Poto)	001 054	200 000	100 010	411 000	00 111	0 100 0
Total	231, 654	299, 877	178, 717	411,300	96, 144	9, 169, 33

a Included in New York.

b Includes Connecticut.

Value of sandstone produced in the United States in 1906 and 1907, by States and Territories, and uses—Continued.

		1			100		
State or Territory.	Rough building.	Dressed building.	Ganister	Paving.	Curbing.	Flagging.	Rubble.
Alabama							\$4,095
Arizona	\$3,113						60, 427
Arkansas	3,680	\$800		\$525	\$16,095	\$950	4, 325
California	14,318 67,020	215, 453 10, 283	\$35,100	4,761 25,638	3,950 36,987	3,600 46,974	20,207 32,792
Connecticut	01,020	10,200	\$30,100	20,000	30, 301	20,312	04, 134
Idaho	12,739	5,525					5,737
Illinois	6, 464	4,120	1,900	375		50	1,639
Indiana	5,600	2,000	2,000	977	325	73	4,850
Iowa	2,765						606
Kansas	11,037	600		28	13,112	20,027	1,204
Kentucky	37,210	38, 170		2,700	1,120	3,000	8,601
Maryland	1,769	30	10,200		1,643		100
Massachusetts	38,779	52,729		750		*********	10,215
Michigan	33, 561	10,918		*********	**********	528	7,900
Minnesota	9,438	109,270		78,211	19,440	1,968 325	32, 450 2, 940
Missouri	17, 292 8, 550	26, 357		50	100	320	2,829
Nebraska	1,409	20, 301					400
New Jersey	83, 513	30,750	455	840	240	4,800	47,000
New Mexico	2.640	1,460	200	0.10	50	100	7,900
New York	144,673	401,742		368, 697	621,934	361,383	22, 454
North Carolina		2,650					455
North Dakota	3,200			60			
Ohio	228,777	373, 224	5,500	1,408	336,974	469,072	45,041
Oklahoma	8,758	160		16	85	210	5,354
Oregon	3,306	48	***********		21		
Pennsylvania	181,914	469, 233	206,661	145,629	315, 307	270,227	116, 109
South Dakota	17,288	14,745		60,015	335 90	584	19,458 2,240
Tennessee	12,680	13,000 12,562			450		11,200
Utah		1,002		15,660	350		583
Virginia	0,000	2,002		20,000			000
Washington	16,680	95,640		175, 285			750
West Virginia	46, 263	59,609		3,085	12,038		42,021
Wisconsin	56, 566	86,267	48,704	333		1,408	25, 156
Wyoming	18,850	2,525			170	600	9,402
		0.040 800	000 500	001.00	4 000 840		
Total	1,106,000	2,048,783	308,520	884, 843	1,380,516	1,185,879	556, 440
	15	A CONTRACTOR OF THE PARTY OF TH	10		1		

Value of sandstone produced in the United States in 1906 and 1907, by States and Territories, and uses—Continued.

1907-Continued.

		(Crushed ston	ie.		
State or Territory.	Riprap.	Road making.	Railroad ballast.	Concrete.	Other.	Total.
Alabama	\$44,578	410000000000000000000000000000000000000				\$48,673
Arizona	250			\$41,645	\$53,000	158, 433
Arkansas	1,350	\$375		66,025	150	94, 27
California	2,880	108, 244	\$163	64, 162	100	437, 738
Colorado	4,064	900	21,580	18, 095	10	299, 443
Connecticut	4,004	900	21,000	16,000	10	(a) 200, 44.
	*********		********			
Idaho						24,00
Illinois	418				30	14,99
Indiana	1,600		*********	*********		15, 42
Iowa	171					3,54
Kansas		*********			823	46, 83
Kentucky	2,022	1,572		1,130	2,925	98, 450
Maryland				117		13, 859
Massachusetts		18,653		122, 197		243, 323
Michigan	96					53,000
Minnesota	8,364	31,510		1,978	7,575	300, 20
Missouri	3,600	0.000			3,021	35, 28
Montana	1,246		***********		234	39, 21
Nebraska	9,750			50	201	11,60
New Jersey	3,100	5, 550		4,519		177,66
New Mexico		300	*********	4,010		
New York	7 000			0.00*	*** ***	12,45
	1,933	35, 549	+++++++++	8, 225	11,527	b c1, 978, 11
North Carolina	**********				1,000	4,10
North Dakota	**********					3,26
Ohio	54,222	12,357	21,200	21,118	22, 255	1,591,14
Oklahoma	2,700		26,000		120	43, 40
Oregon	427	102				3,90
Pennsylvania	99,518	75, 496	88,960	80,986	14,873	c2,064,91
South Dakota	15,360	14,000			1,800	143,58
Tennessee		94			304	16,52
Texas	15,555		21,850	33,750		108,04
Utah	-near the last the		TRANSPORT OF THE PARTY OF THE P	Charles Mills No.	1,700	24, 29
Virginia					2,100	(d)
Washington	6,730	D	500			295,58
West Virginia	4,901	240	1,220	27,845	704	e 197, 92
Wisconsin	7,534	7, 455	1,220	1,381	1,379	236, 18
		60		375	1,379	
Wyoming	150	00		0/0	120	32, 25
Matel	900 110	210 400	101 (70	100 500	100 770	0 071 07
Total	289, 419	312,457	181,473	493,598	123,750	8,871,67

 $\begin{array}{ll} a \ {\rm Included \ in \ New \ York.} & c \ {\rm Includes \ bluestone.} \\ b \ {\rm Includes \ Connecticut.} & d \ {\rm Included \ in \ West \ Virginia.} \\ & e \ {\rm Includes \ small \ output \ for \ Virginia.} \end{array}$

BLUESTONE.

Bluestone as quarried in New York and Pennsylvania increased somewhat in value in 1907, although producers and dealers generally reported lack of demand, and therefore of production, on account of financial conditions.

Bluestone forms a prominent industry in northeastern Pennsylvania and eastern New York. This stone is quarried by a large number of small quarrymen, who, at unoccupied intervals, get out this stone and sell it to large dealers. These large buyers of stone also quarry for themselves, and the best figures of production are obtained from them. Besides this a considerable quantity is sold for local use, especially for flagging and curbing, and difficulty is experienced in getting reports for this stone, as very few of the small producers

keep records of the sales made by them.

The bluestone output of New York and Pennsylvania in 1906 represented 22.05 per cent of the total sandstone output in the United States; in 1907 it was 23.87 per cent. New Jersey also produced sandstone known to the trade as bluestone, but this output is included in sandstone.

The total value for 1907 was \$2,117,916, as against \$2,021,898 for 1906, an increase for 1907 of \$96,018. The output from New York increased in value from \$1,138,934 in 1906 to \$1,356,555 in 1907, or \$217,621; the output of Pennsylvania decreased from \$882,964 in 1906 to \$761,361 in 1907, a decrease of \$121,603.

Bluestone for building purposes decreased in value from \$760,842 in 1906 to \$585,341 in 1907, or \$175,501. Both States decreased in

value of production.

Flagging increased in value from \$630,964 in 1906 to \$721,568 in 1907, an increase of \$90,604. New York increased in value of output

and Pennsylvania decreased.

Curbing increased in value from \$405,894 in 1906 to \$560,403 in 1907, a gain of \$154,509, New York increasing and Pennsylvania decreasing in value of output. Bluestone for crushed stone and for other minor purposes increased slightly in 1907.

The following table shows the value and uses of the bluestone pro-

duced in New York and Pennsylvania in 1906 and 1907:

Value and uses of bluestone produced in New York and Pennsylvania in 1906 and 1907.

1906.

State.	Building purposes.	Flagging.	Curbing.	Crushed stone.	Other purposes.	Total value.
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
		1907				_ 6
New York	\$374, 369 210, 972	\$468,045 253,523	\$431,663 128,740	\$2,675 54,552	\$79,803 113,574	\$1,356,558 761,361
Total	585, 341	721,568	560, 403	57,227	193,377	2,117,916

MARBLE.

The marble output in the United States was valued at \$7,837,685 in

1907, as against \$7,582,938 in 1906, a gain of \$254,747.

The commercial output of marble in the United States is from Vermont, New York, Georgia, Tennessee, Massachusetts, California, Pennsylvania, Maryland, Alabama, Alaska, Oklahoma, Kentucky, New Mexico, Utah, Washington, and Idaho, named in order of value of output.

Vermont in 1907 produced 58.65 per cent of the marble output of the United States. The Vermont output was valued at \$4,596,724, representing about 1,450,000 cubic feet; in 1906 the value of the production was \$4,576,913, or 60.36 per cent of the total, and represented approximately 1,400,000 cubic feet. Vermont marble is used largely both for outside building and monumental work and also for interior decorations in buildings, for electrical work, mosaic work, etc., and is sold by the producers principally as dressed stone.

New York, exceeding Georgia, ranked second in 1907, with a value of \$911,951 as compared with \$557,954 in 1906, an increase of \$353,997.

The output for 1907 represented 11.64 per cent of the total.

Georgia, which ranked second in 1906, ranked third in 1907, with an output valued at \$864,757 as against \$919,356 in 1906—a decrease in 1907 of \$54,599. In 1906 the value represented about 875,000 cubic feet and in 1907 about 807,000 cubic feet. Most of the marble of this State is sold rough by the quarrymen to the manufacturers. The demand for building marble was reported as very light after the first of September, the output thus remaining practically as in 1906.

Of the other States, Alabama, Alaska, California, New Mexico, Tennessee, and Utah increased in value of output, while Maryland, Massachusetts, Nevada, Pennsylvania, and Wyoming decreased.

Alabama marble, which has recently entered the market, has found favor both as a building and as a monumental stone. Alaska showed a healthy increase in value of output, a description of the quarries being given by Chas. W. Wright ^a in Bulletin 345 of the United States Geological Survey.

From Colorado development work and installation of machinery was reported on marble and onyx property in Gunnison County, but there

has been as yet no commercial output.

The Idaho output was very small and only used locally for building

and for burning into lime.

The Kentucky output was "onyx" marble from Cave City, Barren

County.

Development work was done on deposits of marble in Nevada in 1907 and some marble will probably be shipped in 1908. A description of a Nevada marble deposit is given in Bulletin 340 of the United

States Geological Survey.b

The output from Oklahoma is-from Marble City, Sequoyah County. Building stone.—The value of building marble, rough and dressed, was \$2,859,237 in 1907, an increase of \$76,617 over the value for 1906, which was \$2,782,620. The total for 1907 includes \$954,092 for rough building and \$1,905,145 for dressed building; in 1906 the rough building marble sold was valued at \$1,222,695 and the dressed building stone at \$1,559,925, a decrease in 1907 of \$268,603 for rough stock, and an increase of \$345,220 for dressed marble. The value of Vermont's production of marble for building was \$1,204,212, or 42.12 per cent of the total. This was chiefly dressed stone. New York, whose output is represented principally by dressed building marble, produced 25.80 per cent of the total building stone, with a value of \$737,634. The Georgia output was valued at \$433,457, or 15.16 per cent of the total. This was almost entirely for rough stone.

Monumental stone.—Monumental marble was valued at \$2,640,130 in 1907, and at \$2,657,813 in 1906, a decrease of \$17,683 for 1907. In 1907 the value of rough stock was \$596,130 and of dressed monumental stone \$2,044,000; the corresponding figures for 1906 were \$442,941 for rough monumental stock and \$2,214,872 for dressed monumental stone, an increase in 1907 of \$153,189 in value of rough

stock and a decrease of \$170,872 for dressed stone.

Vermont, with a value of \$2,044,029, produced 77.42 per cent of the total monumental marble; Georgia produced 13.36 per cent; and New York, with 5.11 per cent, ranked third.

a Mineral Resources of Alaska, 1907, Report on Progress of Investigations in 1907, by A. H. Brooks and others: Bull. U. S. Geol. Survey, No. 345, 1908.

b Darton, N. H., Investigations relating to building stones by the United States Geological Survey in 1907: Contributions to Economic Geology, pt. 1, Bull. U. S. Geol. Survey, No. 340, 1908.

Interior work.—Vermont, Tennessee, California, and Massachusetts produced most of the marble for interior work, the total value for 1907 being \$1,900,952, as against \$1,722,445 for 1906, an increase of \$178,507 for 1907.

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

work.

The following table shows the value of the marble production in 1906 and 1907 by States and Territories and uses:

Value of the marble product, 1906 and 1907, by States and Territories and uses. 1906.

		Rough.			D	ressed.			
State or Territory.	Build- ing.	Monu- mental.	Other purposes.	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, 49 271, 93 (b)
Nevada New Mexico	5,000	500							5,00
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, 95- 171, 633 635, 823 1, 400
Vermont	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	4,576,913 ¢59,98 1,00
Total	1,222,695	442,941	129,533	1,559,925	2,214,872	44,523	1,722,445	246,004	7,582,93

1907.

		Rough.			D	ressed.			
State or Territory.	Build- ing.	Monu- mental.	Other purposes.	Build- ing.	Monu- mental.	Orna- men- tal.	Interior decoration.	Other purposes.	Total.
Alabama	\$67,780 35,250 20,054 385,704	\$3,100 334,600	\$1,226 1,500 76,700	\$4,537 429 47,753	\$8,900 2,660 4,500 18,000		\$2,500 200 153,702 2,000	\$532	\$85, 475 38, 110 183, 285 864, 757 (d)
Kentucky	25,653 242	6,400	2,040 2,493	41,750 61,800	10,180 35,050	\$811	12,500 10,000 97,542	2,895 14,500	12,500 98,918 212,438 (e)
New Mexico New York Oklahoma Pennsylvania Tennessee	2,000 147,119 15,000 17,667 111,185	1,050 68,565 1,325 1,250 10,500	560 19,624 3,800 39,500	1,500 590,515 53,587 25,500	1,000 66,286 17,235 3,000	200	625 10,000 480 427,463	600 9,842 25,000 71,000	f 7,535 911,951 16,805 118,539 688,148
Vermont Washington Wyoming	126, 438	169,340	226	1,077,774	2,500 1,874,689	24,039	1,183,940	140,278	2,500 4,596,724 (d)
Total	954, 092	596, 130	147,669	1,905,145	2,044,000	25,050	1,900,952	264,647	7,837,685

a Included in Washington.
b Included in limestone to prevent disclosure of individual figures.
c Includes Alaska.
d Included in New Mexico.
e Included inlimestone.
f Includes Idaho and Washington.

The following table shows the value of the marble produced in the United States from 1903 to 1907, inclusive, by States and Territories:

Value of marble produced in the United States, 1903-1907, by States and Territories.

State or Territory.	1903.	1904.	1905.	1906.	1907.
Alabama	(a)	(a)	8710	\$85,000	\$85, 475
Alaska	(a)		\$110	(b)	38,110
Arkansas		(a)	1,000	16,900	
California	. \$78,329	\$87,659	95, 540	103,048	183, 285
Connecticut		(0)	774 550	010 956	004 757
GeorgiaIdaho	. 565,605	690,714	774,550	919, 356	864,757 (c)
Kentucky				***********	12,500
Maryland	. 83,672	73,814	138, 404	176, 495	98,918
Massachusetts		183,388	166,360	271,934	212, 438
Missouri	(a)	(a)		(d)	(d)
New Mexico	(a)	4,250	2,200	5,000	e7,535
New York		565,987	795, 721	557,954	911, 951
North Carolina		2,741			
OklahomaPennsylvania		**********		**********	16,805
Pennsylvania	93,200	90,390	97,887	171,632	118, 539
Tennessee	a man	505, 259 3, 950	582, 229 1, 150	635, 821 1, 400	688, 148 2, 500
Vermont		4,004,669	4,410,820	4,576,913	4, 596, 724
Washington		23,098	60,000	59,985	(c)
Wyoming		2,000	2,500	1,000	
Other States	f 91,300	g 59, 916	************		
Total	. 5,362,686	6,297,835	7,129,071	7,582,938	7,837,685

- a Included in "Other States." b Included in Washington. c Included in New Mexico.

- d Included in limestone.

 d Included In limestone.

 Includes Idaho and Washington.

 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 1903, 1904, 1905, 1906, and 1907 was put:

Distribution and value of output of marble, 1903-1907, among various uses.

Use.	1902.	1903.	1904.	1905.	1906.	1907.
Sold by producers in rough state. Dressed for building Ornamental purposes. Dressed for monumental work. Interior decoration in buildings. Other uses.	\$2,275,429 1,038,302 7,300 956,870 679,913 86,368	\$2,454,263 1,111,072 51,359 1,062,339 663,553 20,100		\$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	\$1,697,891 1,905,145 25,050 2,044,000 1,900,952 264,647
Total	5,044,182	5,362,686	6, 297, 835	7,129,071	7,582,938	7,837,685

LIMESTONE.

The value of the limestone in this report does not include the value of the stone burned into lime or the value of the lime burned, this being given in a special report on lime. 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 \$4,410,489 in 1907, or from \$27,327,142 in 1906 to \$31,737,631 in 1907. In 1906 the ncrease over \$26,025,210, the value for 1905, was \$1,301,932. The

large increase in 1907 was in the value of crushed stone, which gained \$2,602,188 and in blast furnace flux which gained \$1,531,797. Other increases in value were in paving, curbing, rubble, riprap, and in the stone used by sugar factories, paper mills, carbonic-acid plants, alkali works, glass works, and for other miscellaneous purposes. Limestone for building and flagstones decreased in value.

The chief States producing limestone in 1907 were, in order, Pennsylvania, Illinois, Indiana, Ohio, New York, and Missouri, each reporting over \$2,000,000. In 1906 the rank of production for these States was Pennsylvania, Indiana, Ohio, Illinois, New York, and Missouri—Illinois becoming second in 1907 in place of Indiana and pushing Ohio to fourth place. The combined output of these six States in 1907 amounted to \$21,839,006, or 68.78 per cent of the total; in 1906, these States produced \$18,751,122, or 68.62 per cent of the total. The increase for these six States would account for over \$3,000,000 of the total limestone increase, but it must be borne in mind, that Indiana did not increase but decreased somewhat in value of output. Other States reporting a value of over \$500,000 were Wisconsin, Kentucky, West Virginia, Kansas, Michigan, Minnesota, Alabama, Iowa, and Colorado; in 1906 these States ranked as follows: Wisconsin, Kansas, Kentucky, Michigan, Minnesota, West Virginia, and Alabama.

In 1907 thirty-one States and Territories—Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Florida, Georgia, Idaho, Illinois, Iowa, Kentucky, Michigan, Minnesota, Missouri, Nebraska, New Jersey, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Dakota, Texas, Utah, Vermont, Virginia, Washington, West Virginia, and Wisconsin-increased in the value of their limestone output; the remaining ten States—Indiana, Kansas, Maine, Maryland, Massachusetts, Montana, North Carolina, Oregon, Tennes-

see and Wyoming-showed decreases.

States showing notable increases were Alabama, Arizona, California, Colorado, Illinois, Missouri, New York, Ohio, Pennsylvania, West

Virginia, and Wisconsin.

The increase in Alabama and Arizona was in value of furnace flux, reports being obtained for the first time from smelting plants in Arizona. In California there was an increase in flux and also in quantity of stone reported as used by sugar factories. The price of California stone was reported as much higher than in previous years on account of conditions of labor and high cost of production occasioned by the earthquake of 1906. The Colorado increase was in value of flux and in more complete returns for stone used in sugar factories. The large gain in Illinois of \$832,015 was due to the largely increased demand for crushed stone. This State produced in 1907 18.84 per cent of the total limestone value of crushed stone and 11.68 per cent of the total value of crushed stone for the United States. The increase in New York was in value of crushed stone, furnace flux and stone sold to or used by alkali works, carbonic-acid plants, paper mills, etc. The increase for Ohio was in value of crushed stone, flux, and stone used by or sold to alkali plants, glass works, carbonic-acid plants, etc. The output of Pennsylvania and West Virginia was also increased by the production of more crushed stone than in preceding years.

Building stone.—Limestone for building purposes, including rough and dressed stone sold by the producers, was valued at \$4,580,226 in

1907, as against \$5,098,631 in 1906, a decrease of \$518,405. In 1906 the decrease from the 1905 value, \$5,312,183, was \$213,552.

The rough building stone sold by the quarrymen in 1907 was valued at \$2,593,875, the dressed stone at \$1,986,351; the figures for 1906 were rough stone \$2,730,612, dressed stone \$2,368,019—a decrease of

\$136,737 in rough stone and of \$381,668 in dressed stone.

Indiana with an output of building stone valued at \$2,378,008 produced 51.92 per cent of the total building limestone in 1907; in 1906 the output was \$2,636,421, or 51.71 per cent of the total—a decrease in 1907 of \$258,413 for the State. This building stone is quarried principally in Lawrence and Monroe counties and is universally known as "Bedford limestone," from the town of Bedford, Lawrence County, the shipping center for a large quantity of the stone. Although used chiefly for building purposes some of this stone is sold for flagging curbing, monumental stone, crushed stone, furnace flux, and a quantity—not included in this report—for making cement and lime. The total value of the output from Lawrence County in 1907 was \$1,413,280; from Monroe County, \$908,612, a total of \$2,321,892 for the two counties; in 1906 the total for the two counties was \$2,622,805, with a value of \$1,460,743 for Lawrence County and of \$1,162,062 for Monroe County, a decrease of \$300,913 in the total for 1907 of \$253,450 for Monroe County and of \$47,463 for Lawrence County. The total product of these counties in 1907 was 7,849,027 cubic feet of stone, of which 4,930,055 cubic feet were sold rough and 2,918,972 cubic feet as sawed or cut stone. In 1906 the total quantity was 9,282,004 cubic feet, of which 5,586,282 cubic feet were rough stone and 3,695,722 cubic feet were cut or sawed stone. These figures for 1907 do not include 256,960 tons, valued at \$110,525, sold for rubble, riprap, crushed stone, flux, etc. The decrease in both quantity and value of output accords with the statements of the quarrymen, who reported less demand during 1907, especially the last half, than in 1906. The average price per cubic foot, including rough and sawed stone, was 30 cents in 1907; in 1906 it was 28 cents.

Missouri ranked next to Indiana in the production of building limestone, the value of the output for 1907 being \$538,114 as against \$690,625, a decrease of \$152,511. This stone is principally from Car-

thage, Jasper County.

Paving.—Limestone used for paving increased slightly in 1907, from \$531,275 in 1906 to \$545,300 in 1907, an increase of \$14,025. Illinois and Pennsylvania supplied the largest part of this material.

Curbing.—Limestone for curbing increased in value from \$289,615 in 1906 of \$378,853 in 1907, a gain of \$89,238. Indiana gave the largest output for this class of stone.

Flagging.—Flagging decreased in value from \$109,632 in 1906 to \$84,076 in 1907, a loss of \$25,556. Indiana and Missouri had the largest productions.

Rubble.—Limestone for rubble increased from \$924,275 in 1906 to \$1,067,445 in 1907, a gain of \$143,170. Illinois, Missouri, and Minne-

sota reported the largest productions.

Riprap.—Limestone for riprap increased from \$550,385 in 1906 to \$620,328 in 1907, a gain of \$69,943. Missouri, Minnesota, Illinois, and Ohio reported the largest productions.

Crushed stone.—The largest item in value of the limestone production is for stone crushed and used for road making, railroad ballast,

concrete, etc., which in 1907 was valued at \$13,675,453, representing 23,532,897 short tons; in 1906 these figures were 20,286,589 short tons, valued at \$11,073,265, an increase in 1907 of 3,246,308 short tons in quantity and of \$2,602,188 in value. In 1906 the increase over 1905, when the output was reported as 19,334,168 short tons, valued at \$10,487,638, was 952,421 short tons in quantity and \$585,627 in value.

In 1907 the total was divided into 9,619,178 short tons, valued at \$5,860,977, for road making; 8,122,342 tons, valued at \$4,144,345, for railroad ballast, and 5,791,377 tons, valued at \$3,670,131, for concrete, which, compared with the itemized output for 1906—road making, 6,685,781 tons, valued at \$3,857,500; railroad ballast, 8,106,850 tons, valued at \$3,899,396; concrete, 5,493,958 tons, valued at \$3,316,369—shows an increase of 2,933,397 tons in quantity and of \$2,003,477 in value for road making, 15,492 tons and \$244,949 for railroad ballast, and 297,419 tons and \$353,762 for concrete.

It is possible that the large increase in crushed stone for road making contains some stone used for concrete, many of the operators reporting that they were unable to subdivide, except approximately, their total output of crushed stone, not knowing the exact use which was to be made of the stone. The average price per short ton in

1907 was 58 cents compared with 55 cents in 1906.

Illinois ranked first in 1907 in the production of crushed limestone, followed by Ohio, New York, Pennsylvania, Missouri, Indiana, Kentucky, Wisconsin, and Kansas in the order named. These nine States, each reporting values ranging from \$2,576,155 to \$489,709, represented 83.46 per cent of the total value of crushed limestone. Ohio, Illinois, and New York had the largest output for road making, Pennsylvania, Illinois, and New York for railroad ballast, and

Illinois, New York, Missouri, and Pennsylvania for concrete.

Furnace flux.—Next to crushed stone the largest production of limestone is that for furnace flux, which was valued at \$9,144,489 in 1907 as against \$7,612,692 in 1906, an increase of \$1,531,797 for 1907. These figures represent outputs of 17,119,297 long tons in 1907 and 16,077,202 long tons in 1906, a gain in 1907 of 1,042,095 long tons. The average value per ton increased from 47 cents in 1906 to 53 cents in 1907. Pennsylvania, Ohio, Alabama, and West Virginia are the ranking States, Pennsylvania producing 41.88 per cent of the total quantity. Most producers report increased prices per ton due to increased cost of production. This was especially true in California. In Indiana for perhaps the first time a quantity of the waste stone from the quarries in the Bedford-Bloomington district was utilized as furnace flux, it being sold at a very low price loaded on cars for shipment, mostly to Chicago.

Quantities of stone used or sold in many States for the purpose of sugar refining have warranted a separation of this stone from

other chemical industries.

Other purposes.—This heading includes stone quarried and used by alkali works in New York and Michigan in the manufacture of all kinds of alkaline salts; stone sold to glass factories in Pennsylvania, Ohio, Missouri, Indiana, Illinois, and New York; also stone sold to paper mills, to farmers for burning into lime to be used as a fertilizer, and to carbonic-acid plants. It also includes some stone sold for the making of whiting, mineral wool, and for many minor uses.

The following table shows the value of limestone produced in the United States in 1906 and 1907 by States and Territories and uses:

Value of the production of limestone in the United States in 1906 and 1907, by States and Territories and uses.

1906.

State or Territory.	Rough building.	Dressed building.	Paving.	Curbing.	Flagging.	Rubble.	Riprap.
Alabama	\$200	\$22,394					\$67,02
rizona	40	******					
rkansas	7, 561	37,612				\$621	
alifornia	8,985		\$200	\$5,000		2,500	
olorado						3, 153	
Connecticut							
lorida	300	1,050					
leorgia	2,840		350			670	
daho							
llinois	105, 410	25,341	176,646	3,556	\$7,775	378, 582	48, 82
ndiana	1, 169, 762	1,466,659	6,731	174,135	24, 798	24, 254	10,78
ndian Territory	500	500		*********		3,622	********
owa	105, 203	31,350	6,527	8,030	7,632	84, 553	35, 81
Cansas	95,009	36,528	17,492	14,081	4,878	34, 351	18, 49
Centucky	116, 164	93,675	760	15,387	1,123	6,864	22, 35
faine							
Maryland	8,393		44	20	715		
Massachusetts	775					*******	
Michigan	9,368	641	90,723	75		4,654	1, 20
Minnesota	124,651	132, 385	4,629	4,867	11,696	112, 565	51, 4
Missouri	302,627	387,998	9,100	8, 516	24, 732	128, 430	101, 7
Montana	5,117	*********	150			875	*******
Nebraska	30,685	1,230	7,500	10,200		11,878	20, 1
New Jersey	2,106						
New Mexico	1,800	**********		********		2, 400	2,4
New York	180,627	64, 595	4,100	10,648	11, 229	12,692	13, 4
North Carolina							
Ohio	155, 905	7,894	1,480	1,100	478	6, 395	86, 2
Oklahoma	2,350	900			741	2, 440	11,0
Oregon	3,000			180			2
Pennsylvania	74,625	8,728	139,643	1,453	2,309	8, 480	4,0
Rhode Island							
South Dakota	400		**********				
l'ennessee	18,597	7,400	*********		62	11,135	7, 4
rexas	38,705	10,949	32,929	407		6,604	12,8
Utah	11,192	500				1,300	
Vermont		2,000				600	
Virginia		1,680		275			3
Washington	1,200						
West Virginia		*********		*******		*********	7
Wisconsin	136,272	26,010	32, 271	27, 473	11,464	74,307	33, 8
Wyoming			*******			350	
			NAME OF THE OWNER.	1000		CAN SERVICE	1
Total	2,730,612	2, 368, 019	531, 275	289,615	109,632	924, 275	550, 3

Value of the production of limestone in the United States in 1906 and 1907 by States and Territories and uses—Continued.

1906-Continued.

State or Territory. Road making. Railroad ballast. Concrete. Flux. factories, etc. Other. Total.		Cr	ushed ston	e.		Cuman		
Arkansas	State or Territory.			Concrete.	Flux.		Other.	Total.
Arkansas. 1,600 \$1,000 450	-	такту.	Danast.					
Arkansas.		\$9,380		\$7,280	\$473,062			\$579,344 40
California 4,094 500 10,962 25,000 \$22,964 88. Colorado 3,500 10,962 25,000 \$22,964 88. Connecticut 1,171 1,171 1,171 1,171 Florida 100 10,417 40 16. Georgia 686,092 389,065 709,907 384,282 17,433 9,419 2,942 Indian 321,891 169,695 119,222 210,124 9,455 18,059 3,725,104 Indian Territory 20,000 20,000 20,000 40,000 49,455 18,059 3,725,100 Indian Territory 222,877 242,737 533,173 34,228 5 21,087 849,24 Kentucky 2222,877 242,737 50,327 15,170 7,971 795,30 Maryland 30,582 110,503 19,024 40 725 170,6 Massachusetts 36,230 8,041 117,152 150 3,625 1,641		1,600	\$1,000	450				48, 844
Colorado 3,500 3,500 301,913 39,592 \$25,000 373,1 Connecticut 100 1,071 1,071 1 1 Florida 675 1,050 10,417 40 16,6 Idaho 12,600 12,2600 12,26 Illinois 686,092 389,065 709,907 384,282 17,433 9,419 2,942,3 Indian 321,891 169,695 119,222 210,124 9,455 18,059 37,25,5 Indian Territory 20,000 20,000 20,000 40,000 40,455 18,059 3,725,5 Indian Territory 22,000 39,875 53,173 34,228 5 21,087 849,84 Iowa 39,875 53,173 34,228 5 21,087 849,84 Kentucky 222,877 242,737 50,327 15,170 7,971 795,60 Maire 20,000 38,81 19,024 9,875 100 10,60	California	4,094		10,962	25,000	\$22,964		80, 205
Connecticut	Colorado	3,500			301, 913	39,592	\$25,000	373, 158
Georgia	Connecticut				1,171			1,171
Idaho	Florida			100				1,450
Illinois			675	1,050	10, 417			16,042
Indiana								12,600
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$								2, 942, 331
Iowa 38,189 26,268 142,124 8,129 493,5 Kansas 39,877 533,173 34,228 5 21,087 849,2 Kentucky 222,877 242,737 50,327 15,170 7,971 795,4 Maine 2,000 40 725 170,0 2,00 Maryland 30,582 110,503 19,024 40 725 170,0 Missachusetts 78,437 103,442 61,852 81,517 224,356 656,60 Minnesota 59,230 8,041 117,159 150 3,625 1,641 632,7 Missouri 294,211 336,752 316,136 28,381 11,591 38,105 1,988,105 Montana 16,000 29,980 112,235 6,600 29,891 42 276,80 New Jersey 4,640 7,950 10,950 195,235 260 221,149 New York 584,261 324,940 464,614 294,659 221,192		321, 891			210, 124	9, 455	18,059	3, 725, 565
Kansas 39,877 533,173 34,228 5 21,087 849,28 Kentucky 222,877 242,737 50,327 15,170 7,971 795,6 Maine 222,877 242,737 50,327 15,170 7,971 795,6 Maryland 30,582 110,503 19,024 40 725 170,6 Massachusetts 78,437 103,442 61,852 81,517 224,356 6.66,6 Minnesota 59,230 8,041 117,159 150 3,625 1,641 632,8 Missouri 294,211 336,752 316,136 28,381 11,591 38,105 1,988,105 Montana 16,000 29,980 112,235 6,600 29,891 42 276,100 New Jersey 4,640 7,950 10,950 195,235 260 221,192 New York 584,261 324,940 464,614 294,659 221,192 17,714 2,204 North Carolina 30,583								44,622
Kentucky 222, 877 242, 737 50, 327 15, 170 7, 971 795, 40 Maine 30, 582 110, 503 19, 024 2,000 2,000 2,000 Maryland 30, 582 110, 503 19, 024 87, 575 100 10,00 Michigan 78, 437 103, 442 61, 852 81, 517 224, 356 656,60 Minnesota 59, 230 8, 041 117, 159 150 3, 625 1, 641 632, Missouri 294, 211 336, 752 316, 136 28, 381 11, 591 38, 105 1, 988, Missouri 10, 988, Missouri 34, 940 134, 940 114, Nebrask'a 16, 000 29, 980 112, 235 6, 600 29, 891 42 276, New Jersey 4, 640 7, 950 10, 950 195, 235 260 221, New Mexico 108, 893 6, 000 4, 000 125, New York 584, 261 324, 940 464, 614 294, 659 221, 192 17, 714 2, 204, North Carolina 30, 583 6, 000 48, 806 85, 457 3, 025, Oklahoma<								493, 815
Maine 2,000 2,000 Maryland 30,582 110,503 19,024 40 725 170,0 Massachusetts 10,000 9,875 100 10,00 10,00 Minnesota 59,230 8,041 117,159 150 3,625 1,641 632,00 Missouri 294,211 336,752 316,136 28,381 11,591 38,105 1,988,105 Montana 16,000 29,980 112,235 6,600 29,891 42 276,898 New Jersey 4,640 7,950 10,950 195,235 2260 221,192 New York 584,261 324,940 464,614 294,659 221,192 17,714 2,204,204 North Carolina 30,583 6,000 1,013,497 48,806 85,457 3,025,302 Okiahoma 9,000 90,000 7,700 3,600 500 7,700 Oregon 0 10,000 3,600 500 7,700 3,600 500	Kansas				*********	5		849, 203
Maryland. 30,582 110,503 19,024 40 725 170,6 Massachusetts 78,437 103,442 61,852 81,517 224,356 10. 10. Michigan 78,437 103,442 61,852 81,517 224,356 6.656,66 656,6 656,6 Minesota 59,230 8,041 117,159 150 3,625 1,641 632,3 1,988,1 11,591 38,105 1,988,1 1,988,1 11,591 38,105 1,988,1 1,988,1 1,998,1 142,276,1 2276,1 2,980 112,235 6,600 29,891 42,276,1 276,1 2,980 112,235 6,600 29,891 42,276,1 276,1 2,980 221,192 17,714 2,21,1 2,94,21 3,00 1,00 1,050 195,235 260 221,192 17,714 2,20 2,00 221,192 17,714 2,204 2,00 2,00 221,192 17,714 2,204 2,00 3,20 1,714 2,204 3,00 3,20 </td <td>Kentucky</td> <td>222,811</td> <td>242,737</td> <td>50,321</td> <td>15, 170</td> <td></td> <td>7,971</td> <td>795, 408</td>	Kentucky	222,811	242,737	50,321	15, 170		7,971	795, 408
Massachusetts	Maine	00 500	110 500	10 004				2,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Maryland	30, 582	110, 503	19,024	0.077		725	170,046
Minnesota 59,230 8,041 117,159 150 3,625 1,641 632, Missouri Missouri 294,211 336,752 316,136 28,381 11,591 38,105 1,988, Montana Nebraska 16,000 29,980 112,235 6,600 29,891 42 276, New Jersey 4,640 7,950 10,950 195,235 260 221, New Mexico 108,893 6,000 195,235 260 221, New York 584,261 324,940 464,614 294,659 221,192 17,714 2,204, North Carolina 30,583 Ohio 924,346 407,005 286,460 1,013,497 48,806 85,457 3,025, Oklahoma 9,000 90,000 7,700 3,600 500 127, Oklahoma 3,600 500 7,00 3,230 127, Oklahoma 127, Oklahoma 3,600 500 7,700 3,600 500 7,00 3,600 500 7,00 3,600 500 127, Oklahoma 10,000 10,000 10,000 10,000 10,000 </td <td>Massachusetts</td> <td>70 407</td> <td>100 440</td> <td>01 050</td> <td></td> <td></td> <td></td> <td>10,750</td>	Massachusetts	70 407	100 440	01 050				10,750
Missouri. 294,211 336,752 316,136 28,381 11,591 38,105 1,988,105 Montana 16,000 29,980 112,235 6,600 29,891 42 276, 600 29,891 42 276, 600 29,891 42 276, 600 29,891 42 276, 600 29,891 42 276, 600 29,891 42 276, 600 29,891 42 276, 600 29,891 42 276, 600 29,891 42 276, 600 29,891 42 276, 600 29,891 42 276, 600 221, 192 17,714 220, 72, 72 221, 72 286, 600 221, 192 17,714 2,204, 72 2,04, 72 2,04, 72 2,04, 72 30,	Minnesoto							
Montana	Miccorri							
Nebraska 16,000 29,980 112,235 6,600 29,891 42 276, 276, 276, 271, 276 New Jersey 4,640 7,950 10,950 195,235 260 221, 192 221, 192 221, 192 17,714 2,204, 204 108,893 6,000 294,659 221,192 17,714 2,204, 204, 204, 204, 204, 204, 204, 204	Montono	209, 211	000, 102	510, 100		11,091	38, 103	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Nahrael'a	18 000	20, 000	110 025		90 901	40	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	New Jargov					49,001		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	New Mexico	, 4,020			130, 200			125, 493
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	New York	584 261			204 650	991 109	17 714	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	North Carolina		024,040	303,023	201,000	ment, tow	11,112	30, 583
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Ohio		407 005	286 460	1 013 497	48 806	85 457	
Oregon 3,600 500 7,7 Pennsylvania 251,200 602,128 486,882 3,168,186 76,073 41,394 4,865,855 Rhode Island 10,000 10,	Oklahoma				A, 010, 201	20,000		127, 361
Pennsylvania 251,200 602,128 486,882 3,168,186 76,073 41,394 4,865, Rhode Island Rhode Island 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 2,695 481,9 481,9 486,882 1,000 10,000 2,000 <t< td=""><td></td><td></td><td></td><td>., .,</td><td></td><td>3.600</td><td></td><td>7, 480</td></t<>				., .,		3.600		7, 480
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Pennsylvania	251,200	602, 128	486, 882	3, 168, 186			4, 865, 130
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Rhode Island							678
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	South Dakota			10,000				10, 400
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tennesee		192, 514				2,595	481,952
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Texas	3, 250	23,000	30,685	75,764		3,990	239, 125
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Utah					23,910		248, 868
Washington. 38,831 8,761 400 49, West Virginia. 17,406 67,700 20,875 513,413 6,865 1,137 628, Wisconsin. 187,619 86,575 173,237 71,972 7,940 22,713 891	Vermont	2,320					1,224	14,728
Washington. 38,831 8,761 400 49, West Virginia. 17,406 67,700 20,875 513,413 6,865 1,137 628, Wisconsin. 187,619 86,575 173,237 71,972 7,940 22,713 891	Virginia	160	16,050	18,700				260, 343
West Virginia. 17, 406 67, 700 20, 875 513, 413 6, 865 1, 137 628, Wisconsin 187, 619 86, 575 173, 237 71, 972 7, 940 22, 713 891	Washington							49, 192
Wisconsin	West Virginia	17, 406						628,602
	Wisconsin	187,619			71,972		22,713	891,746
Wyoming 810 1,132 51,491 53,	Wyoming	**********	810	1,132		51, 491		53, 783
			B 000 000		-		-	
Total	Total	3,857,500	3,899,396	3, 316, 369	7,612,692	822, 330	315, 042	27, 327, 142

Value of the production of limestone in the United States in 1906 and 1907, by States and Territories and uses—Continued.

1907.

State or Territory.	Rough building.	Dressed building.	Paving.	Curbing.	Flagging.	Rubble.	Riprap.
Mabama	\$5,200 200	\$12,375	\$11,100			\$11,113	\$23,97
Arkansas	10,373 9,400	33,069				3,157 225	
Colorado							
Plorida	1,860	500		\$200		245	
dahollinoisndiana	83, 408 1, 168, 476	26,022 1,209,532	150,193 3,202	12,031 204,750	\$5,916 21,432	363,045 20,188	77,62 12,98
owa	108, 992 92, 206	34,663 49,172	23, 411 53, 885	1,345 51,663	3, 682 4, 052	72,232 42,613	46,14 18,07
Kentucky	106, 293	71,938	8,515	23,555	1,663	2,467	8,73
MarylandMassachusetts	2, 100 100		1,767	20	150		5
MichiganMinnesota	15, 120 151, 985 205, 436	112, 993	56,500 3,065	4,264	8,267	1,433 109,928	1,23 98,52 152,09
Missouri	6,160 21,050	332,678	2,218	14, 104	12,699	218,827 16,983	17,83
New Jersey	700 300		180				
New York	176, 746 13, 328	41,202	25,304	14,869	6,630	21,453	8,38
Ohio Oklahoma Oregon	114, 250 4, 105 3, 000	4, 495 2, 175 500	17,027 9,000	2,228 7,855 100	440 877	70,851 2,663	63, 43 19, 56
Pennsylvania Rhode Island	113, 919	2,315	143,013	2,272	6,820	27,805	11, 22
South Dakota	1,100 9,275	9,497	2,672	3,542	30	11,100	4,01
Texas	31, 295 10, 855	1,948 445	8,388	1,075		32,150	21,65
VermontVirginiaVashington	9, 598 3, 170	364 1,130	500	107		850	
Vest Virginia VisconsinVyoming	420 110, 955 2, 500	39,209	30,360	34,873	11,418	38,117	33,7
Total	2,593,875	1,986,351	545,300	378, 853	84,076	1,067,445	620, 32

Value of the production of limestone in the United States in 1906 and 1907, by States and Territories and uses—Continued.

1907—Continued.

	Cı	ushed ston	e.	Section 1		-	
State or Territory.	-	73 -17 - 3		Flux.	Sugar	Other.	Total.
Denot of Torratory	Road	Railroad	Concrete.		factories.	o chor	a count
	making.	ballast.					
11.1	er 000		901 007	\$604,654			\$694,699
Alabama	\$5,000		\$21,287	64,775			64, 975
Arkansas	608	\$5,000	*********	04,775			52, 207
California	6,375	1,800	18,290	48,376	\$88,116	\$4,751	177, 333
Colorado	0,010	1,000	2,620	397,244	102,887	93, 101	502, 751
Connecticut		*******	2,020	1,476	102,001	********	1.476
Florida	15,000			1,410			15,000
Georgia	407	550	155	18,080	*********	281	22,278
Idaho		000	200	6,900	9,000		15,900
Illinois	958,032	499, 204	1,118,919	423,315	8, 151	48, 483	3, 774, 346
Indiana	476, 711	134,932	60,918	279,838		31,667	3, 624, 126
Iowa	69,817	77, 571	118,682			4,041	560, 582
Kansas	76, 420	357,820	55, 469	50		12,320	813,748
Kentucky	290,669	292,714	53,787	14,489		21,680	891,500
Maine						1,350	1,350
Maryland	66,565	61,881	8,842			1,450	142,825
Massachusetts				1,737			1,837
Michigan	131,708	46,516	97,762	109, 429	22,234	278, 297	760, 333
Minnesota	116,143	22,398	103,854	119	2,675	1,099	735, 319
Missouri	428, 261	284,058	418,990	43,612	317	40,627	2, 153, 917
Montana				118,080	450		124, 690
Nebraska	55,824	53,584	120,977	11,700	13,635	1,015	312,603
New Jersey	3,545	3,000	3,830	262,873		504	274, 452
New Mexico		175, 252		0.10 000	18,000		193,732
New York	956, 535	440,223	450,799	343,866		412,513	2,898,520
North Carolina	9,000	000 450	005 150	1 104 700	4 000	0.10 0.50	22,328
Ohio	1,232,939	393, 453	285, 159	1,134,793	4,800	242, 953	3,566,822
Oklahoma	4,000	120,747	15, 205		1,375	3,375 175	189, 568 5, 750
OregonPennsylvania	445,347	676,776	412, 451	3,829,967	1,010	149,370	5, 821, 275
Rhode Island	440,041	010,110	712, 701	750		140,010	750
South Dakota		**********	10,500	100		1111111111	11,600
Tennessee	13,900	118,911	41.530	169,775	***********	1,200	385, 450
Texas	48,318	57,993	3,748	59,394		1,798	267, 757
Utah	20,010	01,000	0,120	266,789	27,600	180	306, 344
Vermont	5, 257		4,850	535	21,000	1,565	23, 126
Virginia	37,000	12,269	32,326	275, 517		150	362,062
Washington	01,000			53,868	1,200	7,249	62,317
West Virginia	18,166	271,667	21,167	528, 587	-,	15,934	855, 941
Wisconsin	389, 430	36,026	188,014	73,901		41,074	1,027,095
Wyoming					16,420		18,920
						-	
Total	5,860,977	4, 144, 345	3, 670, 131	9, 144, 489	316,860	1,324,601	31,737,631

The following table shows the value of limestone, by States, from 1903 to 1907, inclusive:

Value of limestone, 1903–1907, by States and Territories.

State or Territory.	1903.	1904.	1905.	1906.	1907.
Alabama	\$502,510	\$498,723	\$532,103	\$579,344	\$694,699
Arizona		250	135	40	64,975
Arkansas	153,291	106,147	154,818	48,844	52,207
California	229,376	74,670 124,600	49,902	80,205	177,333
ColoradoConnecticut	175,078 1,968	830	289,920 1,558	373, 158	502,751 1,470
Florida	20,756	34,278	5,800	1,450	15,000
Georgia	10,450	15,200	9,030	16,042	22,278
Idaho	752	5,900	14,105	12,600	15,900
Illinois	2,726,470	2,690,822	3,511,890	2,942,331	3,774,346
Indiana	2,621,068	2,789,500	3,189,259	3,725,565	3,624,126
Indian Territory	650	6,076	5,512	44,622	
Iowa	536,906	442,585	451,791	493,815	560,583
Kansas	480,609	799,286	923,389	849, 203	813,74
Kentucky	695,602	692,417	744,465	795,408	891,50
Maine	1,863	2,955	7,428	2,000	1,35
Maryland	65,732	128,421	149,402	170,046	142,82
Massachusetts	9,656	7,566	65,908	10,750	1,83
Michigan		501,708	544,754	656, 269	760,33
Minnesota	609,471	517,940	555,401	632,115	735,31
Missouri	1,874,740 131,594	2,277,969 109,765	2,238,164 103,123	1,988,334 141,082	2,153,91 124,69
Montana Nebraska	187,718	236,780	225, 119	276,381	312,63
New Jersey		76,710	147,353	221, 141	274,45
New Mexico	00,010	10,110	7,200	125, 493	193,73
New York	2,007,911	1,636,255	1,970,968	2,204,724	2,898,52
North Carolina	1	12,088	16,500	30,583	22,32
Ohio	2,349,661	2,406,355	2,850,793	3,025,038	3,566,82
Oklahoma	50,690	92,246	163,412	127,361	189,56
Oregon	3,000	5,390	8,600	7,480	5,75
Pennsylvania	4,343,643	3,708,750	4,499,503	4,865,130	5,821,27
Rhode Island		312	300	678	75
South Carolina	950	225			
South Dakota	26,215	3,954	6,653	10,400	11,60
Tennessee	356,961	288,053	401,622	481,952	385,45
Texas		252,745 170,447	171,847	239, 125 248, 868	267,75
Utah Vermont	9,955	9,653	232,519 11,095	14,728	306,34 23,12
Virginia	232,744	165,459	212,660	260,343	362,06
Washington		71,857	52,470	49, 192	62,31
West Virginia	405,077	460,303	671,318	628,602	855,94
Wisconsin	701,347	738,684	804,081	891,746	1,027,09
Wyoming		15,090	23,340	53,783	18,92
Total	22,372,109	22,178,964	26,025,210	27,327,142	31,737,63

The following table shows the production of limestone for furnace flux in 1906 and 1907, by States, in long tons:

Production of furnace flux in 1906 and 1907, by States, in long tons.

	1906,		1907.	
State or Territory.	Quantity.	Value.	Quantity.	Value.
labama	- 803,643	\$473,062	939,437	\$604,65
rizona			115,714	64,77
alifornia	28,758	25,000	38,225	48,37
colorado	552,651	301,913	672,801	397,24
Connecticut	3,455	1,171	3,735	1,4
leorgia	17,793	10,417	. 30,825	18,0
daho			4,100	6,9
llinois	909,375	384,282	970, 158	423,3
ndiana	500,702	210, 124	577,052	279,8
Cansas			50	
Centucky	33,987	15,170	31,752	14,4
fassachusetts	16,528	9,875	3,560	1,7
fichigan		81,517	128,926	109,4
finnesota	200	150	135	1
fissouri	43,574	28,381	55,371	43,6
Montana	304,600	134,940	236,200	118,0
Nebraska	12,000	6,600	18,000	11,7
New Jersey	363,508	195,235	465,018	262,8
Vew York	513,452	294,659	584,964	343,8
Ohio	3,098,346	1,013,497	2,497,616	1,134,7
Pennsylvania	6,396,765	3, 168, 186	7,178,508	3,829,9
Rhode Island	542	678	500	7
Cennessee	250,835	139,227	299,247	169,7
Cexas	122,804	75,764	93,531	59,3
Jtah		198,671	372,896	266,7
Vermont	500	250	535	5
/irginia		219,707	541,610	275,5
Washington	41,171	38,831	80,295	53,8
West Virginia	1,019,931	513,413	1,063,772	528,5
Wisconsin	149,330	71,972	114,764	73,9
Total.	16,077,202	7,612,692	17,119,297	9,144,4
Average price per ton		.47		