

Average value per ton of nut coal at the mine.....	\$0.824
Average value per ton of screenings at the mine.....	\$0.438
Average value of duff coal at the mine.....	\$1.237
Total valuation of product at the mine.....	\$6,996,745
Number of machines using compressed air.....	173
Number of machines using electricity.....	40
Number of fatal accidents.....	23
Number of non-fatal accidents.....	81
Number of tons mined to each fatal accident.....	323,302
Number of persons employed to each fatal accident.....	442
Ratio of persons killed to each 1,000 persons employed.....	2.3
Number of tons mined to each non-fatal accident.....	91,803
Number of kegs of powder used in blasting coal.....	210,635
Number of kegs for other purposes.....	494
Dynamite used in sinking (pounds).....	5,693

Coal production by counties in the fifth district, with the increase or decrease in each for the years ended June 30, 1904, and June 30, 1905, is shown in the following table:

COUNTIES.	TOTAL OUTPUT IN TONS.		Increase.	Decrease.
	1904.	1905.		
Brown	1,583	1,606	23	.....
Calhoun.....	3,110	2,880	.....	230
Greene	10,904	14,659	3,775	.....
Jersey.....	3,405	3,141	.....	264
Macoupin.....	2,221,474	2,530,840	309,366	.....
Montgomery	494,501	468,198	.....	26,303
Morgan	4,300	4,702	402	.....
Sangamon	4,516,358	4,395,050	.....	121,308
Scott	24,652	14,876	.....	9,776
Totals	7,280,287	7,435,952	313,546	157,881

Total net increase, 155,665 tons.

The district shows a net increase of 155,665 tons, which is due to the two new mines of the Superior Coal Co., located at Gillespie, Macoupin county, giving the county an increase of 309,366 tons over last year. Sangamon county shows a decrease of 121,308 tons. Montgomery county shows a loss of 26,303 tons; this is largely due to dull business during the year. Scott county shows a falling off of 9,776 tons; this was due to the destruction by fire of the top works of the Wm. H. Bates mine at Winchester.

NEW MINES.

The Consolidated Coal Co. of St. Louis, Mo., has put in operation during the year, a new mine, one and a half miles west of Mount Olive, in Macoupin county; a spur from the Wabash railroad, a distance of 13,200 feet runs to the mine; this mine will be known as No. 15. Coal was reached in both hoisting and air shaft Nov. 2, 1904. The size of both shafts is 8 feet 10 inches by 15 feet 6 inches, and timbered with eight inch curbing. The depth to the top of the coal is 362 feet. The coal seam is seven feet eight inches thick. Entries are driven from the bottom of the main shaft a distance of 400 feet; both shafts are connected and a substantial stairway is constructed in the air shaft for escapement. An eight foot Murphy fan has been installed to furnish ventilation and a wooden tower is being constructed with self dumping cages and shaker screens. Four boilers have been installed, each 72 inches in diameter by 18 feet long, containing 70 four inch tubes, each boiler is rated at 175-horse power. A straight Sullivan air compressor is installed to furnish power for the coal cutting machines; punching machines are to be used. The hoisting engines are 24x36 inches. The engine room, compressor room, tippie