

The increase and decrease in each county for the years ending June 30, 1907, and June 30, 1908, are shown in the following table:

COUNTIES.	TOTAL OUTPUT OF ALL GRADES OF COAL IN TONS.		Increase.	Decrease.
	1907	1908		
Williamson.....	5,766,452	5,367,140	100,688	.....
Saline.....	1,711,825	2,482,677	770,852	.....
Jackson.....	705,363	637,090	.....	68,275
Gallatin.....	88,908	75,322	.....	13,586
Johnson.....	2,900	2,896	.....	4
Totals.....	7,775,448	8,565,125	871,540	81,863
Net increase.....	.....	.....	789,677	.....

## NEW MINES.

Williamson county, The Johnston City and St. Louis Coal Company, Johnston City, has completed a new mine. Coal was struck at a depth of 270 feet July 15, 1907. The shaft is 15 feet by 8 feet 8 inches. The seam of coal is 9 feet thick. The tower is 60 feet high, built of yellow pine and bolted together. A pair of first motion engines 20 by 36 inches, made by the Aetna Machine Company, have been put in; the drum is 6 feet in diameter and the cable is 1½ inches. Three boilers have been put in; one, the Atlas make, is 6 feet by 72 inches with 70 4-inch flues; the other two are 6 feet by 16 inches and have 50 3-inch flues. The feed pumps are a Blackley with a 4-inch suction and a 3-inch discharge, and a Cameron with a 5-inch suction and a 4-inch discharge.

The cages are self-dumping; the shaker screen is the Hassen & Henneker Machine Company make. The engine, made by the same firm, runs the machine and is 18 inches by 12 inches. The boiler room and engine room are covered with iron. This shaft is built for a capacity of 2,000 tons per day.

The Keystone & Big Muddy Coal and Coke Company has sunk a new mine near Marion. This shaft is 10 by 18 feet. Coal was reached at a depth of 150 feet in January, 1908. The head tower is 63 feet high and built of yellow pine, securely bolted. The engine house is built of brick 36 feet by 40 feet; the equipment is a pair of first motion engines, 22 by 36 inches, made by the Aetna Machine Company. The drum is 5½ by 7 feet with a 1½-inch cable. The sheave wheels are 7 feet in diameter. There are two boilers, both are 18 by 72 inches with 72 4-inch flues; also two feed pumps, one a Fairbanks with a 3-inch suction and a 2-inch discharge, the other a Dean down in the mine with a 5-inch suction and a 4-inch discharge. The shaker screen is 8 inches by 23 feet, made by the Eagle Iron Works, Terre Haute, Ind.; there are four tracks under the screens, constructed to make four grades of coal; there are also two track scales and one wagon scale. The air shaft is completed and the ladders ready to be put in. The fan is of the Stine make but is not yet placed. It is ordered and will be 7 feet in diameter, with a bolt drive; the capacity will be 60,000 cubic feet of air per minute. The mine is equipped with a Sullivan air compressor and two Sullivan air punching machines. The compressor has a steam cylinder 22 by 24 inches; two air cylinders, one 14 by 24 inches and the other 20 by 24 inches. The boiler room is 33 feet by 46 feet and is covered with galvanized iron. The blacksmith shop is also 33 feet by 46 feet, and the office building 18 feet by 20 feet. This mine is located on the projected Eldorado & Marion Railroad.