

here was sufficient to illuminate a large city. Ten years afterward, personal information from Mr. Neff, under whose direction the work had been done, assured me that these wells continued to "blow," and he was then manufacturing from the gas a refined quality of lampblack.

In Michigan, certain parts of Wayne, Oakland, and Macomb counties appear to be underlaid by considerable reservoirs of gas. In 1875, a gas well was struck three miles west of Royal Oak, at the depth of a hundred feet. In 1877, a well eight miles southeast of the village, at the depth of one hundred and fifty feet, reached confined gas which threw the tools into the air. It is said that much sand escaped, and a stone weighing "several" pounds was thrown over a barn "forty rods distant." The well was subsequently filled—evidently after the high pressure of the gas had subsided. In 1879, at a place five miles northeast of the same village, a well bored one hundred feet secured a supply of gas which has since been used for illuminating purposes. Three miles south of the village, a powerful explosion revealed the uncovering of a gas reservoir in 1880. After burning two years, two other gas wells were bored, and the united illumination rendered newspaper print legible at night, at the distance of one hundred yards. In 1883, a gas vein was reached at ninety-eight feet, which furnished a flame twenty feet high. In 1884, on deepening this well, water was found, and additional gas which threw the water to the height of twenty feet. Many other occurrences of a similar nature have been known in this part of Michigan.

At West Bloomfield, New York, a well bored five hundred feet emitted gas with great force. At Erie, Pennsylvania, Conneaut, Painesville, Cleveland, and Fremont in Ohio, a number of wells have been successfully bored. At Buffalo, New York, gas with a pressure of one hundred and thirty-one pounds to the square inch issued from a well six hundred and forty feet deep. At Cumberland, Maryland, a gas well burned for two years. Some six miles east of Crab Orchard, Kentucky, is a burning spring, the water in which