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of Buckingham, viz., galena or lead, associated with sulphate of barytes. Its discovery was entirely accidental, and though the veins have only been uncovered for a short distance, sufficient idea has been gained of their richness to warrant extensive operations. Sulphate of barytes, familiarly known as white lead, is extensively employed in the arts as a paint, both by itself and for mixing with other pigments as an adulteration, for which purpose it is fitted by its great weight. It enters into the composition of the cheaper kinds of white lead paint, to the extent sometimes of 75 or 80 per cent. For this purpose the native sulphate of barytes is crushed, and if necessary boiled with diluted sulphuric acid to remove any metallic oxide which may discolour it, after which it is ground to a fine powder. A much finer article than that obtained by simply grinding the mineral, is prepared from the sulphate by igniting it with charcoal, and then obtaining a precipitate by the use of sulphuric acid. This is called permanent white, and is used as a water colour, and in the manufacture of paper hangings, for giving a peculiar glossy surface. The consumption of the ground sulphate of barytes is very considerable, as much as two tons per week being used in South Lancashire; about 4,000 tons are sold annually in the U. S., partly imported from Europe, and partly obtained from parts of their own territory. The appearance it presents in its native state is an opaque white, which can be easily cut or scraped, not unlike hard putty. The veins discovered at Buckingham are from 6 to 14 inches wide, several of them containing strings or bands of galena, or lead ore. The locality in which the discovery has been made is very favourable for working, being on the summit of a bluff or steep bank surmounting a small creek, thus affording natural facilities for draining off the water from the workings. The property on which the discovery has been made has passed into the hands of a Quebec firm, but the works are temporarily suspended; it is to be hoped however that operations will be resumed in the Spring, as there is every indication of rich returns, and it has been ascertained in addition that the lead is argentiferous, or impregnated with silver. I have been unable to obtain any statistics relative to the assays made from this locality, the company maintaining a remarkable reticence on the subject.