BIBLIOGRAPHY

Mansfield Merriman, Professor of Civil Engineering in the Lehigh University. Scale: 1 inch = 400 feet. (Map folded in cover.) Published by Edwin G. Close, Manager, Bethlehem, Pa., 1886.

In margin gives dates of several important events in the history of Bethlehem.


Much data concerning iron mines of Lehigh County, including magnetite (p. 180), limonite ore analyses (pp. 182-185), carbonate (p. 202), and directory (pp. 966-968). Some notes on hydraulic cement (pp. 841, 848, 884) and on zinc (pp. 804-805, 978).


Consists of 82 sketches published in the "Friedens-Bote," Allentown, between 1880 and 1886. Mainly historical sketches but with a number of articles containing geographic descriptions of parts of the Lehigh Valley, such as Blue Mountain, Bake Oven, "Bare" (Bear) Rocks. Derivation of various place names.

1887


All mines in the vicinity of Friedensville have shut down because of the stoppage of the pump, "The President" (Jan. 29, 1887). Many ore pits for many miles around are now flooded.


Gives section of the Ononda conglomerate in the Lehigh Water Gap (pp. 1378-1379).


Contains a concise description of Lehigh County (pp. 103-105).

1888


Brief descriptions of the Quaternary deposits along the Delaware and Lehigh Rivers in the Lehigh Valley (pp. 379-381, 384, etc.).

1889


Describes the physiographic history of the Lehigh and Delaware Rivers. Concludes that the Susquehanna, Schuylkill, Lehigh and Delaware are compound, composite and highly complex rivers, of repeated mature adjustment.


Gives an analysis of calamine from Friedensville.


Minerals described from Lehigh County, some with analyses, are: allophane, andradite, calamine, chloropil, corundum, dolomite, fluorite, goethite, menacanite, pectolite, psilomelane, pyrite, pyrolusite, siderite, stilbite, sulphur, tourmaline, wavellite, zircon.