



COLUMNAR SECTIONS OF THE COAL MEASURES IN THE VICINITY OF SHAMOKIN AND MOUNT CARMEL, NORTHUMBERLAND COUNTY, CONSTRUCTED FROM MEASUREMENTS OBTAINED FROM THE COMPANIES NAMED IN THE INDIVIDUAL TITLES, AND FROM THOSE MADE BY THE GEOLOGICAL SURVEY. Scale: 40 feet to 1 inch.

NOTES. 1. The strata comprising some of these sections have been named locally and consequently a similarity of name does not necessarily indicate a similarity in the character of the strata and vice versa. 2. Sections Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20 were measured by the Geological Survey and to them this No. 1. does not apply. 3. Sections Nos. 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20 were constructed from the records of the Pennsylvania and Reading Coal and Iron Company, Sections Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20 were constructed from the records of Mr. P. H. Shultz, Engineer of Mines and Sections Nos. 11 and 12 from the records of Mr. Thomas M. Righter, Coal Operator. 4. The thicknesses assigned to the individual strata are the true thicknesses perpendicular to the bedding. The thicknesses of the coal beds are shown as cut in the bore hole, shaft or tunnel which the section represents, and do not necessarily show the average thickness of the beds where worked at other points. 5. The thicknesses of the strata cut in the bore holes, shafts and tunnels from which the thicknesses shown in these sections have been determined, can be found in the Annual Report of the Geological Survey for 1886, Part III.

SKELETON MAP THE AREA COVERED BY MINE SHEETS NOS. V AND VI, AND A PORTION OF MINE SHEET NO. X. SHOWING THE POSITION OF THE COLUMNAR SECTIONS ON SHEET II. Scale 2 miles to 1 inch.

