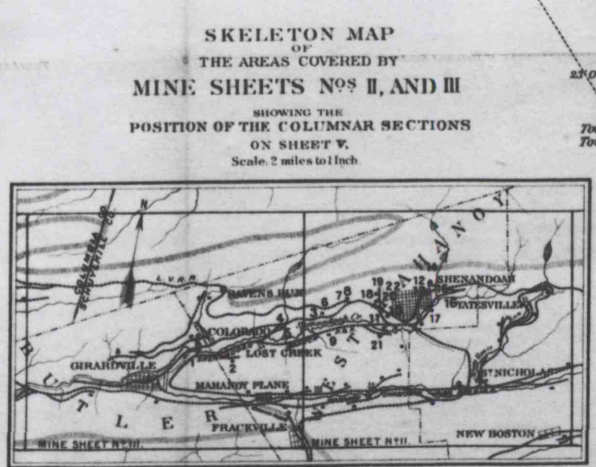
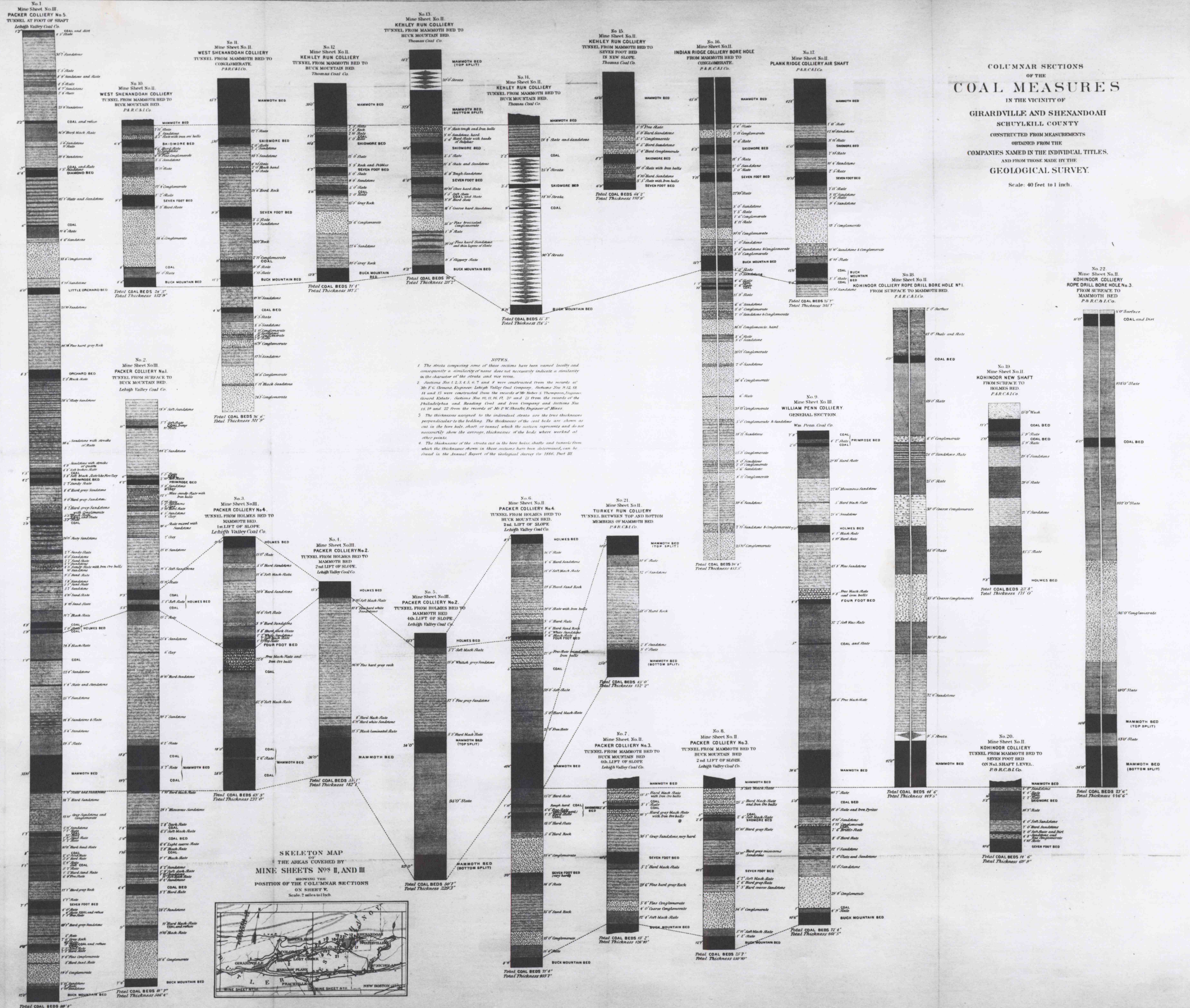


COLUMNAR SECTIONS
OF THE
COAL MEASURES
IN THE VICINITY OF

GIRARDVILLE AND SHENANDOAH
SCHUYLKILL 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, and 8 were constructed from the records of Mr. F. C. Glines, Engineer, Lehigh Valley Coal Company. Sections Nos. 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, and 22 were constructed from the records of Mr. J. H. Thompson, General Estate, Sections Nos. 10, 11, 16, 17, 20, and 21 from the records of the Philadelphia and Reading Coal and Iron Company and sections Nos. 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, and 22 from the records of Mr. J. M. Schaefer, Engineer of Mines.
3. 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, short or normal, which the section represents and do not necessarily show the average thickness of the beds where worked at other points.
4. 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.