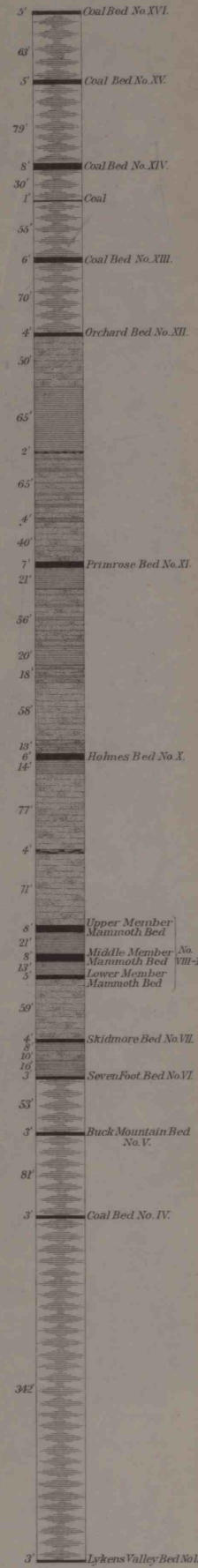


LUKE FIDLER, PENNSYLVANIA SHAMOKIN MOUNT CAMEL, BIG
MOUNTAIN ENTERPRISE, LOCUST GAP AND MAHANAOY BASINS NORTHUMBERLAND COUNTY

SECTION OF COAL MEASURES
SHAMOKIN SHEET
CAMERON COLLEGE.

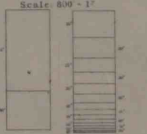


- NOTES
1. The North and South Meridian and East and West Parallel lines are drawn 5000 feet apart.
 2. All material printed in red refers to the Bottom Member of the Mammoth coal bed the contour curve lines are drawn 50 feet vertically apart on the floor of the Bottom Member.
 3. The mine workings in the Middle Member of the Mammoth bed are shown by brown lines.
 4. The mine workings in the Upper Member of the Mammoth bed are shown by green lines.
 5. The mine workings in beds underlying the Mammoth bed are shown by blue lines.
 6. The mine workings in beds overlying the Mammoth bed are shown by chrome orange lines.
 7. With the exception of tunnels and faults, the black print relates to the surface features only.

- | | |
|------------------------------------|----------------------------|
| No. XVI or Tracy bed | Property lines |
| XV - Little Diamond bed | Ownership lines |
| XIV - Diamond bed | Shades of Coal Trill Shale |
| XIII - Little Orchard bed | Shades in color of bed |
| XII - Orchard bed | Tunnels |
| XI - Primrose bed | Air holes |
| X - Holmes bed | Trills |
| VIII-IX - Upper Member Mammoth bed | Buildings |
| VII-IX - Middle Member Mammoth bed | |
| VII - Skidmore bed | |
| VI - Seven foot bed | |
| V - Buck Mt. bed | |
| IV - Lykens Valley bed | |
| III - Lykens Valley bed | |

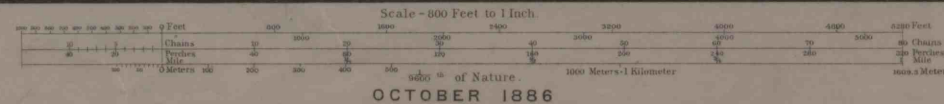
This map was constructed from the surveys of the Philadelphia & Reading Coal & Iron Co. A. B. Cochran, C. E. & H. E. Mineral Railroad & Mining Co. William H. Doty, Enterprise Coal Co. and Excelsior Coal Mining Co. and Geological Survey.

Horizontal distances between contour curve lines corresponding to the top of the bottom member of the Mammoth coal bed in degrees.



20,000 Feet South of Mahanoy City.

ASSISTANT GEOLOGIST, BARD WELLS, to Sept. 1885.
ASSISTANT H. N. SIMS, to June



E. K. MEYER, STATE PRINTER

Philadelphia and Reading RR Station, Shamokin 1.9 miles south of Mahanoy City.
Latitude Mahanoy City, Center and Main Streets (computed) 40° 45' 43" west
Longitude " " " " east of Washington 9° 54' 18.4"

CONDEMNED PROOF.