U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

ECONOMIC GEOLOGY SHEET

KENTUCKY
LONDON QUADRANGLE

LEGEND

SEDIMENTARY ROCKS

(Areas of Sedimentary rocks are shown by patterns of parallel lines.)

CARBONIFEROUS

- **Cbt** — Breathitt formation *(sandy shale and ferruginous sandstone, Pittsburg Ky. coal seam near the base)*
- **Cle** — Lee formation *(sandy shale and sandstone with coal seams)*
- **Clec** — Corbin conglomerate-lentil *(coarse pink sandstone or conglomerate at the top of the Lee formation)*
- **Cler** — Rockcastle conglomerate-lentil *(coarse conglomerate in the Lee formation)*
- **Cpn** — Pennington shale *(red and green shale with thin beds of limestone)*
- **Cn** — Newman limestone *(blue limestone, cherty at the base)*
- **Cwv** — Waverly formation *(light-blue shale and argillaceous sandstone)*

DEVONIAN

- **Dc** — Chattanooga shale *(black carbonaceous shale)*

SILURIAN

- **SDp** — Panola formation *(brown limestone and blue shale)*

Sections

A — A
B — B

⚒ Coal mines
× Coal prospects

Known productive formations

Coal *(Lee and Breathitt Formations; contain Pittsburg Ky. and other coal seams)*

Henry Gannett, Chief Topographer.
Gilbert Thompson, Chief Geographer.
Triangulation by C. M. Yeates.
Topography by E. C. Barnard.
Surveyed in 1891.

Scale $\frac{1}{125000}$

1 ½ 0 1 2 3 4 5 Miles

1 ½ 0 1 2 3 4 5 Kilometers

Contour interval 100 feet.

Datum is mean sea level.

Edition of Aug. 1898.

Geology by Marius R. Campbell, Joseph A. Taff, and Walter C. Mendenhall.
Surveyed in 1896.