

LEGEND
(continued)

Coal mines

Known productive formations

Scott shale
(contains thin coal seams)

Briceville shale
(contains thick coal beds)

Rockwood formation
(contains beds of red hematite iron ore)

Lead

Lead

Lead

SEDIMENTARY ROCKS

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

Anderson sandstone
(sandstone with argillaceous and sandy shales and thin coal beds)

Scott shale
(argillaceous and sandy shales with some sandstone and thin coal seams)

Wartburg sandstone
(interbedded sandstone, sandy shale, argillaceous shale, and coal beds)

Briceville shale
(dark gray argillaceous shale with sandy beds and thick coal beds)

Lee conglomerate
(massive sandstone and conglomerate with thin coal seams)

Pennington shale
(oolitic shale, sandstone, and limestone)

Newman limestone
(massive blue limestone, cherty at the base)

Chatanooga shale
(black carbonaceous shale)

Rockwood formation
(reddish carbonaceous shale with white sandstone and iron beds near the top)

Bays limestone
(red argillaceous and sandy limestone)

Chickamanga limestone
(blue and gray shaly limestone and massive limestone)

Knox dolomite
(light and dark magnesian limestone with cherty nodules)

Nolichucky shale
(brown carbonaceous shale with thin limestone beds)

Maryville limestone
(massive dark blue limestone)

Conasauga shale
(reddish carbonaceous shale with thin beds of limestone)

Rome formation
(reddish and green sandy shale with thin sandstone)

Rome sandstone-lentil
(red, yellow and brown sandy shale with thick beds of sandstone)

Faults

Sections

Legend is continued on the left margin

CARBONIFEROUS

DEVONIAN

SILURIAN

CAMBRIAN



Henry Gannett, Chief Topographer.
Gilbert Thompson, Chief Geographer in charge.
Triangulation by S.S. Gannett.
Topography by J.F. Knight and E.C. Barnard.
Surveyed in 1888-91.

Knight
Barnard

Scale 125,000
1 2 3 4 5 Miles
1 2 3 4 5 Kilometers
Contour Interval 100 feet.
Datum is mean Sea level.
Edition of July 1896.

Geology by Arthur Keith.
Assisted by H.B. Goodrich.
Surveyed in 1893.

Legend is continued on the left margin