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

STRUCTURE SECTIONS

TENNESSEE
LOUDON SHEET

LEGEND
(continued)

CAMBRIAN
- Ch — Hesse sandstone *(fine, massive, white sandstone)*
- Cmr — Murray shale *(blue-gray, sandy shale)*
- Cnb — Nebo sandstone *(fine and coarse, massive, white sandstone)*
- Cnc — Nichols shale *(bluish-gray, sandy shale)*
- Cch — Cochran conglomerate *(massive, white sandstone and coarse, feldspathic conglomerate)*
- Cs — Sandsuck shale *(bluish-gray, argillaceous shale)*

AGE UNKNOWN
- Pg — Pigeon slate *(gray, argillaceous slate with sandy layers)*
- C — Citico conglomerate *(fine, white sandstone and coarse conglomerate)*
- Wi — Wilhite slate *(limestone conglomerate and black slate)*

Known productive formations
- Coal
- Red hematite iron ore
- Variegated marble
- Slate

SPECIAL SYMBOLS
- Faults

LEGEND

SEDIMENTARY ROCKS

CARBONIFEROUS
- Cbv — Briceville shale *(dark-gray, argillaceous shale with sandstone beds and coal seams)*
- Cle — Lee conglomerate *(massive, white sandstone and conglomerate)*
- Cpn — Pennington shale *(sandy and calcareous shales interbedded)*
- Cn — Newman limestone *(massive, blue limestone, cherty at the base)*

DEVONIAN
- Dg — Grainger shale *(bluish-gray, sandy shale and sandstone)*
- Dc — Chattanooga shale *(black, calcareous and carbonaceous shale)*

SILURIAN
- Sr — Rockwood formation *(reddish, calcareous shale with white sandstone and iron beds near the top)*
- Scl — Clinch sandstone *(massive, white sandstone)*
- Sb — Bays sandstone *(red sandstone and sandy limestone)*
- Ssvs — Sevier sandstone *(lentils of gray, calcareous sandstone in Sevier shale)*
- Ssv — Sevier shale *(Bluish, calcareous shale)*
- St — Tellico sandstone *(bluish-gray sandstone and sandy shale)*
- Sa — Athens shale *(blue, calcareous shale with black, carbonaceous shale at the base)*
- Shl — Holston marble *(lentils of variegated marble in Chickamauga limestone)*
- Sc — Chickamauga limestone *(massive, blue limestone and gray, shaly limestone)*
- Sk — Knox dolomite *(light and dark magnesian limestone with chert nodules)*

CAMBRIAN — *Subdivisions of the Connasauga shale*
- Cn — Nolichucky shale *(brown, calcareous shale with thin limestone beds)*
- Cm — Maryville limestone *(massive, dark-blue limestone)*
- Crg — Rogersville shale *(green clay-shale with a bed of limestone)*
- Crt — Rutledge limestone *(massive, dark-blue limestone)*
- Cc — Connasauga shale *(reddish, calcareous shale with thin beds of limestone)*
- Cr — Rome formation *(reddish and green, sandy shale)*
- Crs — Rome sandstone *(lentils of reddish sandstone in Rome formation)*
- Ca — Apison shale *(red, green, and brown, sandy shale)*

Henry Gannett, Chief Topographer.
Gilbert Thompson, Chief Geographer
Triangulation by S.S. Gannett.
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C.E. Cooke. 1891.

Scale 1/125000
1 ½ 0 1 2 3 4 5 Miles
1 ½ 0 1 2 3 4 5 Kilometers

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G.K. Gilbert, Chief Geologist.
Bailey Willis, Geologist in charge.
Geology by Arthur Keith.
Assisted by R.E. Edes.
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