U.S. GEOLOGICAL SURVEY.
J.W. POWELL, DIRECTOR.

STRUCTURE SECTIONS

TENNESSEE
CHATTANOOGA SHEET

(McMinnville) (Pikeville/Dc) (Kingston)

35°30' 85°30' 20' 10' 85°30' 35°30'

A B C

Sea Level

Cagle Reynold Creek Big Branch Long Branch Little Brush Creek Brush Creek Cw Cl Cb Sk Sc Cp Dc

Pitt Gap Killian Gap Mt Airy Hixon Creek Alexander Gap Hensen Gap Jack Gap Middle Creek Cupp Creek Brayton Hart Spring Branch McGill Creek Rocky Creek Graysville Coulterville Dayton Lone Mt. Brush Creek Coal Creeks Trenton Coal BUILDING STONE BLAST FURNACE FLUX LIME

DUNLAP Camp Creek Daus Woodcock Creek Griffith Creek Sunnyside Anderson Gap Bennet Gap Shirleyton Hicks Creek Ketner Gap Chelton Gap Stanley Mullens Creek Mill Creek Fair Mount Falling Waters Little Falling Waters Sand Mountain Creek Lookout Mt. Mt. Nabb Mines Aetna Mines Wauhatchie Lookout Point St Elmo Missionary Ridge Chattanooga Creek Citico Creek Mountain Creek Shallow Creek Stone Mill Branch Gray Creek Coppermine Creek Cain Creek Deep Creek Little Soddy Creek Soddy Creek Daisy Melville Green Pond Retro Possum Creek Rathburn Eldridge Landing Dallas Dallas Br. Harrison Hickson Quickanuga Creek Lick Branch King Point East Chattanooga Tyner Spring Creek Chickamauga Julian Gap Mc Daniel Gap Ooltewah Grindstone Mt. Little Wolftever Creek Wolftever Creek Norman Store Igou Ferry Blue Spring Snow Hill Mahan Gap Long Savannah Creek Johnson Gap Creek

BROWN FERRY KELLY FERRY BLYTHE FERRY DOUGHTY FERRY McALLY FERRY ELDRIDGE LANDING HARRISON FERRY IGOU FERRY

NASHVILLE SE QUATCHIE SEQUATCHIE VALLEY IRON MOUNTAIN HAMILTON WALDEN RIDGE CUMBERLAND TABLE WHITE OAK MOUNTAIN

EAST TENNESSEE VIRGINIA AND GEORGIA RAILROAD

EAST TENNESSEE AND WESTERN NORTH CAROLINA RAILROAD

(Stevenson) (Ringgold) (Cleveland) (Dalton)

LEGEND

SEDIMENTARY

CARBONIFEROUS
- Cw — Walden sandstone (contains coal beds, two or more generally workable)
- Cl — Lookout sandstone (contains two or more coal beds, locally workable)
- Cb — Bangor limestone
- Cf — Floyd shale
- Cp — Fort Payne chert

DEVONIAN
- Dc — Chattanooga black shale

SILURIAN
- Sr — Rockwood formation (contains one or more beds of red fosil iron ore generally workable)
- Sc — Chickamauga limestone (building stone)
- Sk — Knox dolomite

CAMBRIAN
- Cc — Connasauga shale
- Cr — Rome formation
- Ca — Apison shale

Faults

Sections

Mines and Quarries

Known productive formations
- Coal
- Red fossil iron ore

Henry Gannett, Chief Geographer.
Gilbert Thompson, Geographer in charge.
Triangulation by S.S. Gannett.
Topography by E.M. Pearson, L. Nell and M. Hackett.
Surveyed in 1884-5-6.

Hackett Pearson Nell

Scale 1/125,000
0 1 2 3 4 5 6 Miles
Contour Interval 100 feet
Edition of July 1893.

G.K. Gilbert, Chief Geologist
Bailey Willis, Geologist in Charge
Geology by C. Willard Hayes
Surveyed in 1888-9