

TOPOGRAPHY

U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

STATE OF PENNSYLVANIA
TOPOGRAPHIC AND GEOLOGIC SURVEY COMMISSION

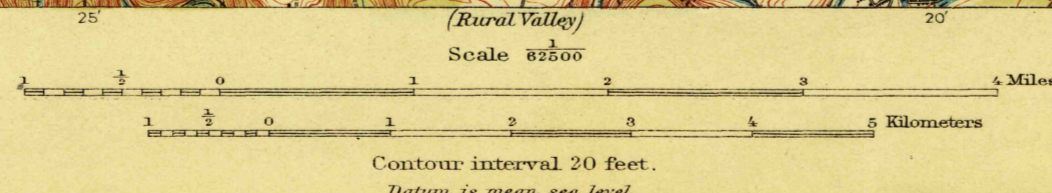
PENNSYLVANIA
CLARION QUADRANGLE



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ENGRAVED SEPT. 1907 BY U.S.G.S.
H.M. Wilson, Geographer.
Robt D. Cummin and J.H. Jennings, in charge of section.
Topography by Robt D. Cummin and E.W. McCrary.
Control by E.L. McNair and W.T. Griswold.
Surveyed in 1905 and 1906.
SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.



Cummin
McCrary
Edition of Dec. 1907, reprinted Aug. 1914.
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Historical File
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CLARION, PA.

NOTE: Geologic Folio No. 178 treats of the geology and the coal, oil, gas, brick clay, flint clay, limestone, building stone, sand, gravel, and iron resources of this area, and copies slightly damaged by fire may be had for 5 cents each. Folios covering adjacent areas—Kittanning and Rural Valley—are also available at the same price.