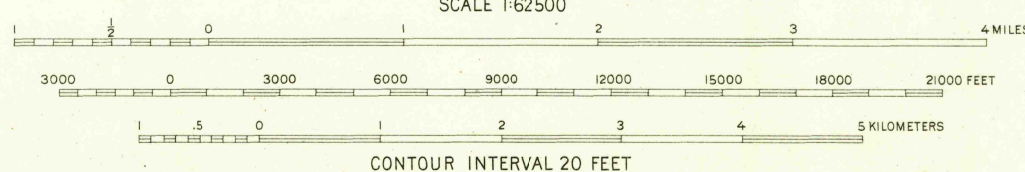


U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION



U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION

Henry Gannett, Chief Topographer.
Marcus Baker Topographer in charge.
Triangulation by the U.S. Coast and Geodetic Survey.
and S.S. Gannett.
Topography by F.P. Gulliver.
Surveyed in 1889.



FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division

This map reprinted without change.
For later and more detailed surveys
see 1:24,000 scale maps of the
Shumans, Catawissa, Mt. Carmel,
and Ashland quadrangles, surveyed
in 1944.

CATAWISSA, PA.
N4045-W7815/15

1889

SEP 10 1954

1070