Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: N.Y.

DESCRIPTIVE REPORT.

Top Sheet No. 3242

LOCALITY:
East River—Blackwells Island to Lawrence Pt.

1902

CHIEF OF PARTY:
A. P. Ritter
Descriptive report to accompany
Topographic Sheet No. 3242

Being a revision of the shore lines and
topographic features of U.S. C & G. Survey
Chart No. 3695. — Hell Gate & East River
from Blackwells Island to Lawrence Point,
including Little Hell Gate & mouth of
Harlem River.

New York.

By Homer P. Ritter, Asst. C. & G. S., T. E. Waring,

Corrections to March 1912.

Scale 1

5000.
Topographic Sheet No. 3242

Department of Commerce & Labor
Coast & Geodetic Survey,
O. H. Tittmann, Superintendent.
Being a revision of the shoreline and
topographic features of U.S. Coast & Survey
Chart No. 3695—
—Hell Gate & East River from Blackwell Island to Lawrence Point, including
Little Hell Gate & mouth of
Harlem River——

New York.

By Homer A. Ritter, Asst. C. G. S.; T. H. Warner,
Aid C. G. S. & H. R. Gustafson, S. H.
Corrections to March, 1912.

Scale 1

5000.
This topographic revision of Chart 369½ was made pursuant to Superintendent's Instructions of Sept. 23, 1910, which directed that the revision work upon which I was then engaged be suspended and the revision of Charts 369½, 369¾ and 369¾ be taken up. Few docks & structures on old docks not shown, together with any uncharted objects along the shore which might be useful to the mariner.

Two copies of each of the charts named were furnished by the Office for the field work.

The field work of the revision was begun on Oct. 24th 1910 & carried on by myself & hand H. A. Gustafson in conjunction with other work at various times. The work on this chart was not continuous on account of being broken into by numerous other details & assignments varying in length from a few days to months each.

From Feb. 3rd to May 15½ 1911 I did T. L. Wayne was attached to the party & during that time was engaged on the revision work of this chart (369½).

From April to Dec. 1911, work on Chart suspended – from Dec. 1911 to March 1912 work on Chart taken up again and toto corrections brought up to date.

March 15, 1912 - Completed chart forwarded to Washington, D. C.
The work consisted in taking the published chart (No. 367 ½) of the Navy, going over the ground with it, eliminating from or adding thereon the important topographic (and in a few cases hydrographic) changes that had taken place subsequent to the surveys used in compiling the chart.

When obtainable, surveys made by the U.S. Engineers, Dept. of Corps of Engineers, New York City, railroads or others, were reduced to the scale of the chart or placed thereon and adjusted to the chart by identifying in the field points common to both.

In revising the shore line, location of isolated new wharves and other principal features, angles taken with sextant or located points of the chart were made use of, care being taken to use only points nearly in order to guard against possible distortion of the points due to unequal shrinking or expansion of the chart used. Measurements with steel tape (for less important details) pacing was also made use of.

For convenience of manipulation the chart used in the field was cut up into
pieces of suitable size where the changes noted thereon in the field were subsequently transferred to a backed copy of the chart kept indoors.

In inking the buildings on the sheet no endeavor was made to distinguish brick and stone from wooden structures by solid or open shading.

As no plane table was used, no list of O.T. positions is given.