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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *NY*

DESCRIPTIVE REPORT.

Top Sheet No. *3242*

LOCALITY:

*East River - Blackwells
Island to Lawrence Pt.*

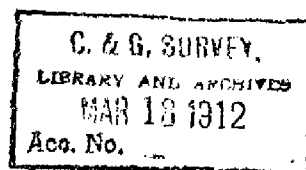
1902

CHIEF OF PARTY:

H. P. Ritter

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Descriptive report to accompany
Topographic Sheet No. 3242

Being a revision of the shore line and topographic features of U.S. C^{and} G. Survey Chart No. 369^E. - Hell Gate ^{and} East River from Blackwells Island to Lawrence Point, including Little Hell Gate ^{and} mouth of Harlem River.

New York.

By Homer P. Ritter, Asst. C^{and} G. S., T. L. Warner,
Aid C^{and} G. S. ^{and} H. R. Gustafson, Hand.

Corrections to March 1912.

Scale $\frac{1}{5000}$.

3242

(2.)

Topographic Sheet No. 3242

Department of Commerce ^{and} Labor

Coast ^{and} Geodetic Survey,

O. H. Tittmann, Superintendent.

Being a revision of the shore line and
topographic features of U. S. Coast & Geodetic Survey
Chart No. 3695.

— Hell Gate ^{and} East River from Blackwells
Island to Lawrence Point, including
Little Hell Gate ^{and} mouth of
Harlem River —

New York.

By Homer P. Ritter, Asst. Comd'g. U. S. S., T. L. Warner,
Aid to Comd'g. U. S. S. ^{and} H. R. Gustafson, Hand.

Corrections to March, 1912.

Scale $\frac{1}{5000}$.

This topographic revision of Chart 369⁵ was made pursuant to Superintendents Instructions of Sept. 23, 1910, which directed that the revision work upon which I was then engaged be suspended and the revision of Charts 369², 369⁵ and 369⁸ be taken up. New docks and structures on old docks not shown, together with any uncharted objects along the shores 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 and carried on by myself and "Hand" H. R. 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 and assignments varying in length from a few days to 7 months each.

From Feby. 3rd to May 4th 1911, Aid T. L. Warner was attached to the party and during that time was engaged on the revision work of this chart (369⁵).

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

March 15, 1912 - Completed chart forwarded to Washington, D. C.

The work consisted in taking the published chart (No. 369⁵) of the Survey; going over the ground with it ^{and} eliminating from or adding thereon the important topographic (and in a few cases hydrographic) changes that have taken place subsequent to the surveys used in compiling the chart.

When obtainable, surveys made by the U.S. Engineers, Dep't. of Docks ^{and} Ferries, New York City, railroads or others, were reduced to the scale of the chart ^{and} 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 on located points of the chart were made use of; care being taken to use only points near by in order to guard against possible distortion of the points due to unequal shrinking or expansion of the chart used. Measurements with steel tape ^{and} (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 as the changes noted thereon in the field were subsequently transferred to a laced 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 and open shading.

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