

REPORT OF THE SUPERINTENDENT

OF THE

2860

U. S. COAST AND GEODETIC SURVEY

SHOWING

THE PROGRESS OF THE WORK

DURING THE

FISCAL YEAR ENDING WITH

JUNE, 1890.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.

1891.

Other duty assigned to Mr. McCorkle in connection with the physical hydrography of Delaware River and Bay is referred to under a heading in Section II.

Suboffice at San Francisco.—In addition to the general direction of the land operations on the Pacific Coast, and other duties referred to under headings in Sections X and XII, Assistant George Davidson continued in charge of the Suboffice at San Francisco. During Mr. Davidson's absence in Europe and in the field this duty was assigned to Assistant James S. Lawson.

All calls for information, whether from field officers or from persons not connected with the Survey, have been either answered directly or referred to the Superintendent. Mr. Frank W. Edmonds served as clerk, and as observer at the Lafayette Park station in determining time for the tidal station at Sausalito. Vicente Denis continued to serve as messenger and porter, and had charge of the instruments and camp equipage in the storage room.

Special examinations were made of all the instruments and camp equipage during Mr. Davidson's absence in Europe by Assistant Lawson and Subassistant Morse. All instruments not in use were forwarded to Washington, and all condemned camp material was sold at public auction.

CONCLUSION.

The development of the resources of Alaska, and its increasing importance as a valuable possession of the United States, has induced the Superintendent to advance as rapidly as possible the surveys of its coasts and waters, and to issue preliminary charts based on these surveys as soon as their results can be made available.

By his direction Mr. Charles Junken has been employed as a civilian expert in the reduction and adjustment of the triangulation made in the course of the hydrographic reconnaissance of southeastern Alaska. One result of this reduction was the determination of upwards of 250 stations in geographical position. During the year Mr. Junken has submitted a new scheme for the publication of the coast charts of Alaska; has made the drawings of two of these charts, and has arranged for the printer the manuscript of a new edition of the Alaska Coast Pilot, prepared by Lieut. Commander H. E. Nichols, U. S. N., Assistant, Coast and Geodetic Survey.

Under the direction of the Superintendent the following-named officers were specially employed: Assistant Charles S. Peirce in gravity research; Assistant Charles O. Boutelle, in the immediate supervision of State Surveys until the failure of his health; Assistant E. D. Preston, in reductions and discussions supplementary to work done by him for the Hawaiian Government, and in studies and investigations relating to arc measurements and determinations of gravity; and Assistant Edward Goodfellow, in the preparation for publication and the editing of the Annual Reports and Bulletins of the Survey.