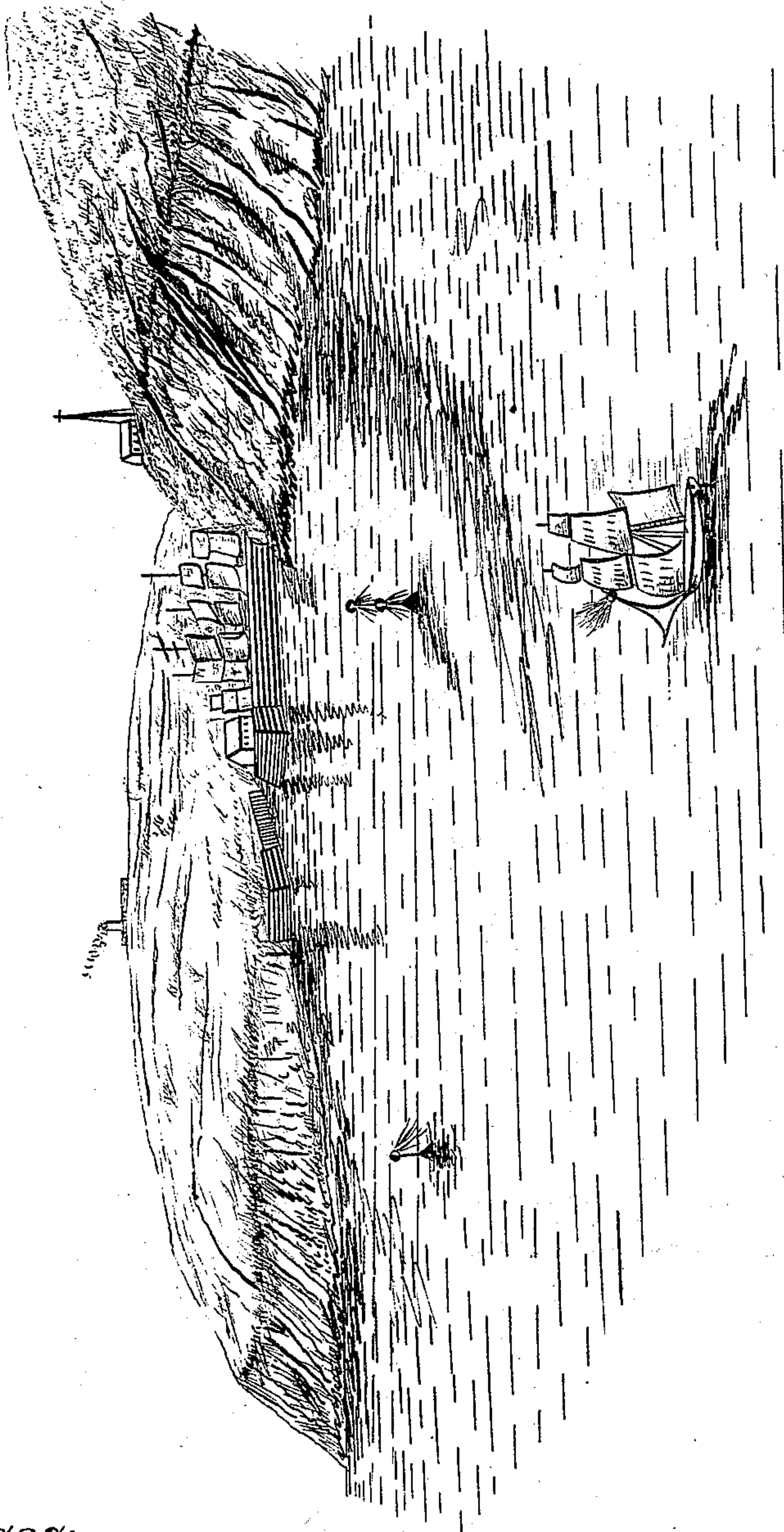


W. W. Goff.

Buoy.

Nº 79,750.

Patented Jul. 7, 1868.



Witnesses;
H. S. Sprague.
J. H. Swantwaut

Inventor;
William W. Goff

UNITED STATES PATENT OFFICE.

WILLIAM W. GOFF, OF EAGLE HARBOR, MICHIGAN.

IMPROVEMENT IN CHANNEL-BUOYS.

Specification forming part of Letters Patent No. 79,750, dated July 7, 1868.

To all whom it may concern:

Be it known that I, WILLIAM W. GOFF, of Eagle Harbor, in the county of Keweenaw and State of Michigan, have invented a new and useful Improvement in Buoying out Channels; and I do declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon and making a part of this specification.

The drawings represent an entrance to a harbor, the channel of which is buoyed in the manner hereinafter described, and a vessel entering the harbor, displaying a proper head-light, which is reflected from the buoys on either side of the channel, thus showing the proper courses to be followed.

The nature of this invention consists in placing upon the tops of buoys A, of any ordinary construction, proper convex reflectors, B, made of any appropriate material. By the use of such convex reflectors, the head-light C, upon any vessel passing into or out of the

harbor, will be strongly reflected, showing clearly to the navigator the courses he must steer his vessel.

It will be noticed in the drawings, that I have placed two reflectors upon the buoy at the right of the channel, and but one upon the buoy upon the left. Some arrangement of a similar character seems to be necessary to indicate to the navigator the channel-bank upon either his starboard or larboard hand.

I do not mean to be understood that I confine myself to the use of convex reflectors, as, under certain circumstances, it may be best to use those of some other suitable shape.

What I claim as my invention, and desire to secure by Letters Patent, is—

The reflectors B, when attached and operating substantially as and for the purposes herein described and shown.

W. W. GOFF.

Witnesses:

H. S. SPRAGUE,

J. H. SWARTWOUT.