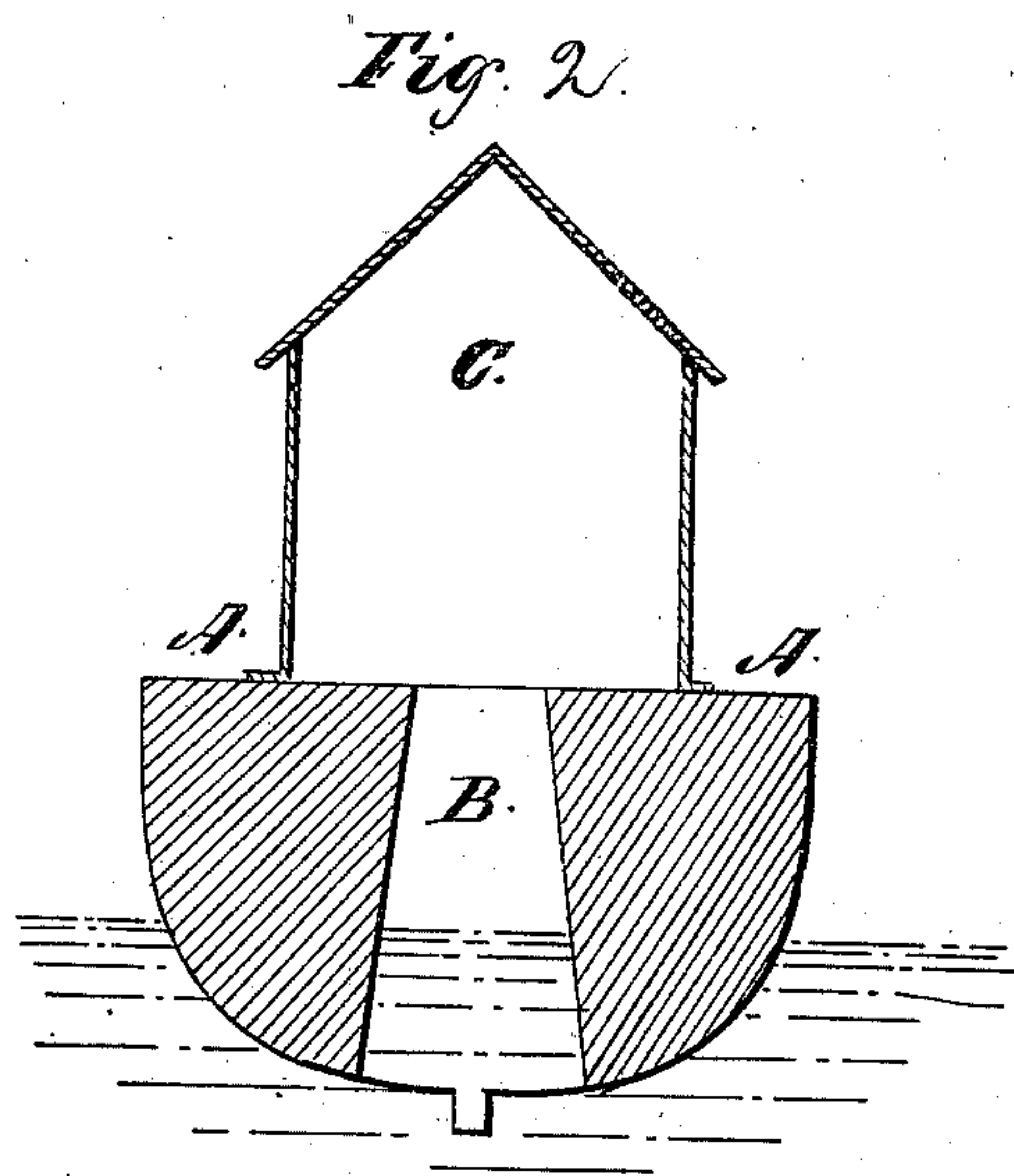
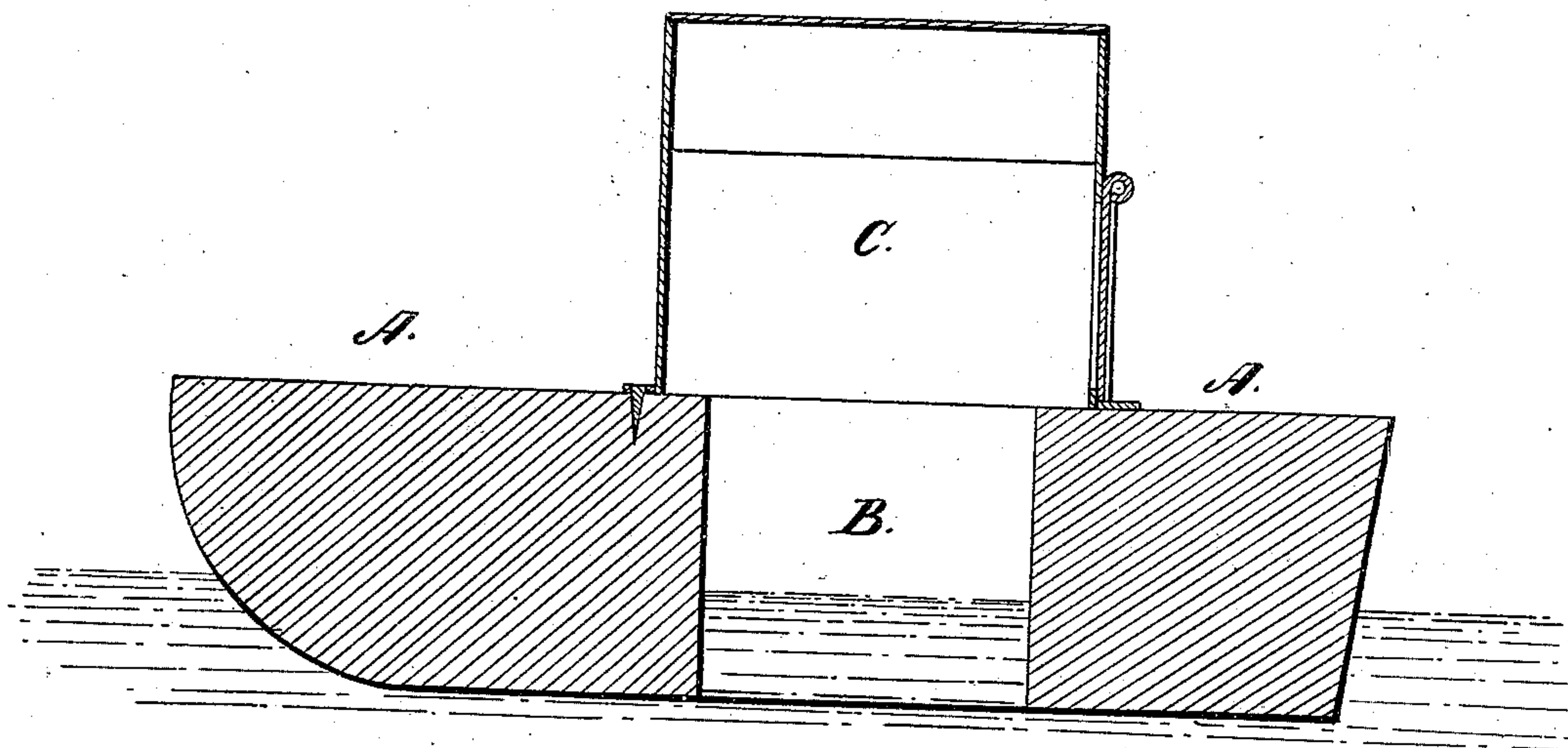


H. S. Thayer
Device for Submarine Exploring.
N^o 80,517. *Patented Jul 28, 1868.*
Fig. 1.



Witnesses:
Leopold C. ...
A. A. Yeatman

Inventor:
H. S. Thayer
per
Alexander D. Mason
Attys

United States Patent Office.

H. S. THAYER, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 80,517, dated July 28, 1868.

IMPROVEMENT IN SUBMARINE EXPLORING.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, H. S. THAYER, of Boston, in the county of Suffolk, and in the State of Massachusetts, have invented certain new and useful Improvements in Devices for Submarine Exploring; and do hereby declare that the following is a full, clear, and exact description thereof, reference being made to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, forming part of this specification, A represents a boat, raft, or other floating body, with an opening or well, B, through the bottom. Over this opening is constructed a totally or partially-darkened house or room, C.

From the interior of this room C, one is enabled to see to a great depth beneath the surface of the water with the naked eye, and to a still greater depth by the aid of lenses. This is upon the simple principle of looking from a dark space into one less dark. By increasing the height of this darkened room, and elevating the stand-point of view, the power and distinctness of vision are greatly increased. It can be used in both fresh and salt water, and in both clear and cloudy weather, although a more distinct view can be obtained when the sun is shining.

The advantages of this device are obvious, as by its aid persons can easily search for lost treasures or dead bodies. It is decidedly advantageous in coast and harbor-surveys, in any under-water operations, in determining the presence and movements of fish, and, by its aid, photographic views of the bottom or other objects under water are obtained. This latter is done by placing the camera close to the surface of the water, when, if the water is not running over four or five miles an hour, by the reflected light of the sun a distinct negative can be obtained.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The boat A, provided with an opening, B, through its hull, and over which opening is placed a darkened house, C, as and for the purposes specified.

In testimony that I claim the foregoing, I have hereunto set my hand, this 7th day of April, 1868.

H. S. THAYER.

Witnesses:

A. C. HILL,

E. WATSON ARNOLD.