

(No Model.)

F. M. EATON.
CENTER BOARD FOR BOATS.

No. 481,484.

Patented Aug. 23, 1892.

Fig. 1

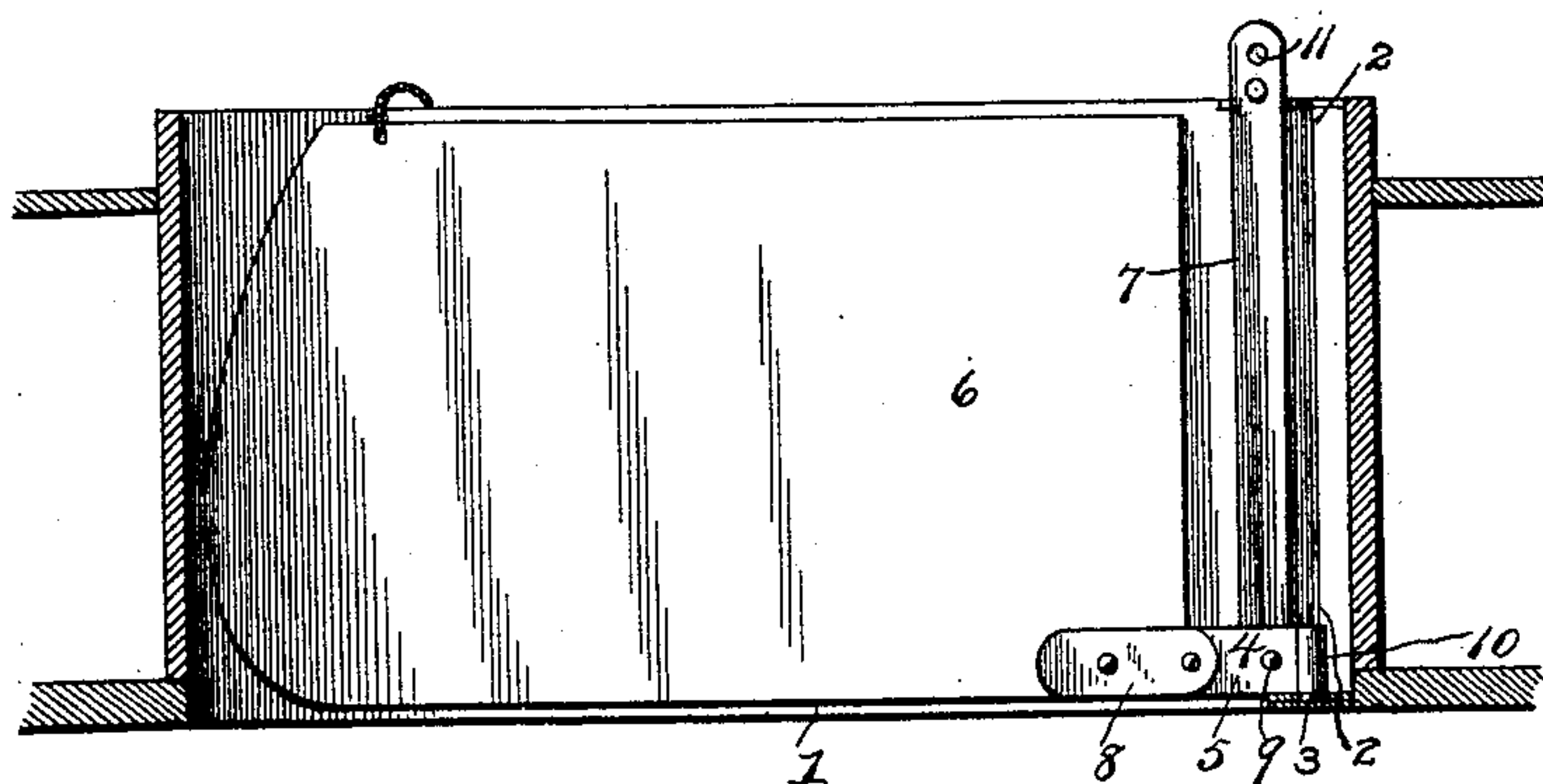


Fig. 2

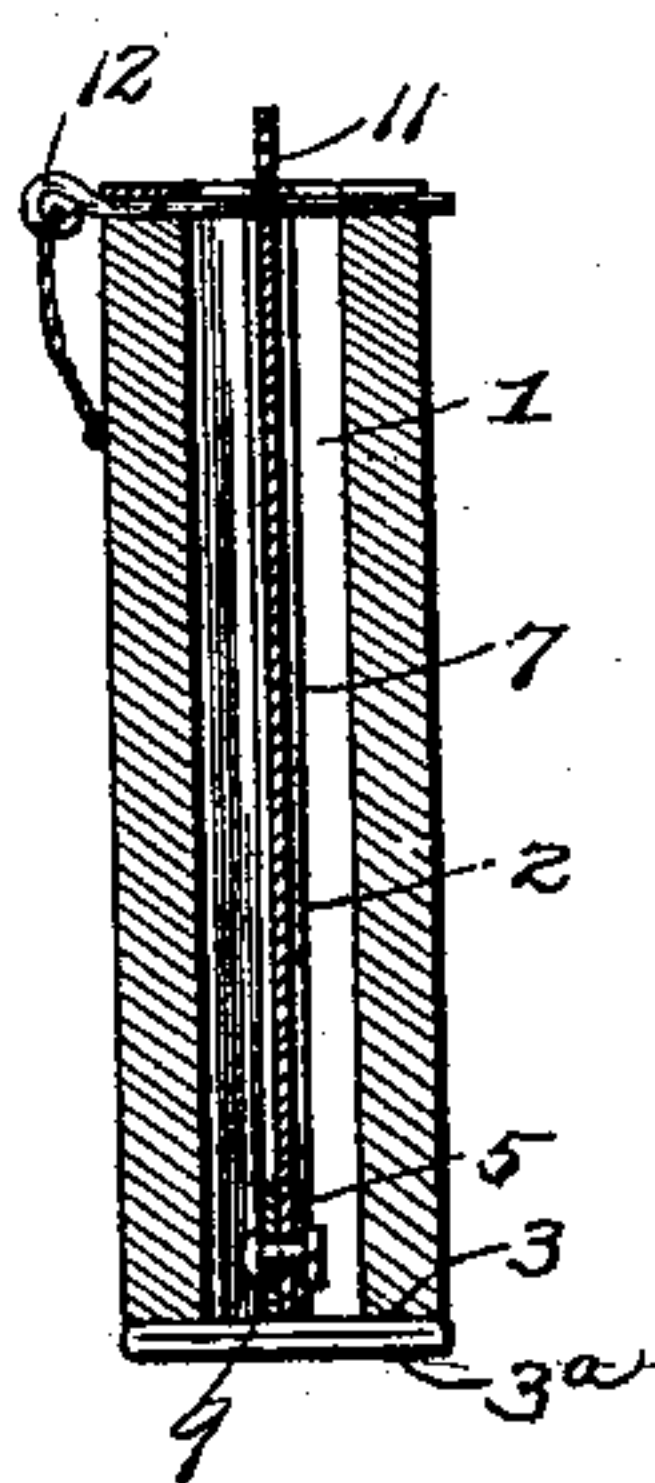
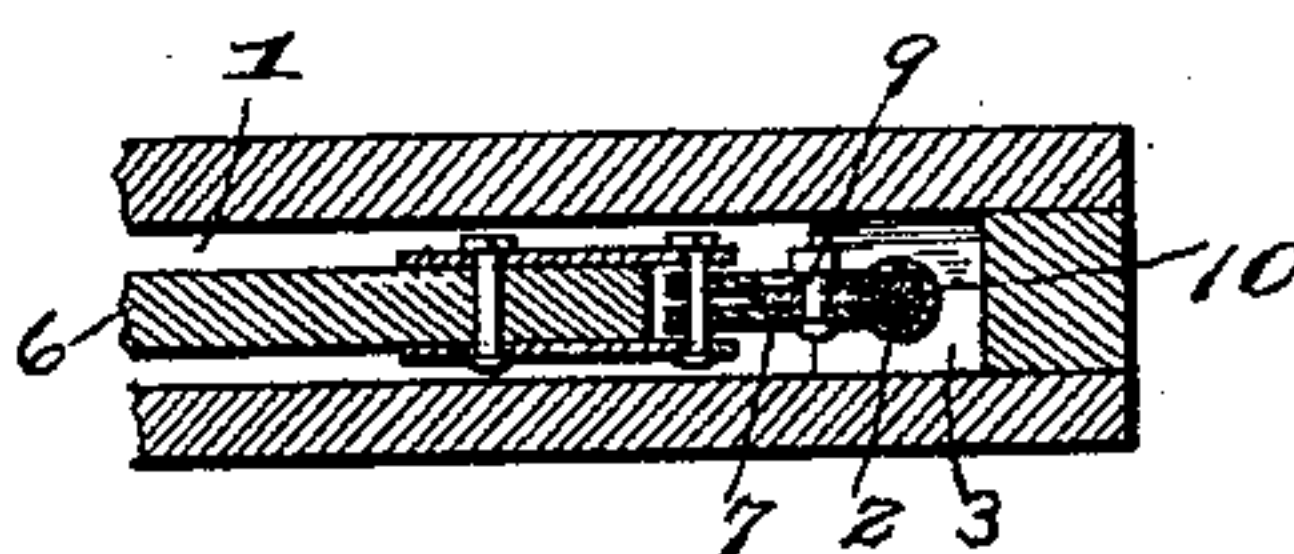


Fig. 3



Witnesses

B. S. Ober
A. H. Riley

Inventor

Francis M. Eaton,

By *his* Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

FRANCIS M. EATON, OF WEST TREMONT, MAINE.

CENTER-BOARD FOR BOATS.

SPECIFICATION forming part of Letters Patent No. 481,484, dated August 23, 1892.

Application filed May 24, 1892. Serial No. 434,123. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS M. EATON, a citizen of the United States, residing at West Tremont, in the county of Hancock and State of Maine, have invented a new and useful Center-Board for Boats, of which the following is a specification.

The invention relates to improvements in center-boards for boats.

10 The object of the present invention is to simplify and improve the construction of center-boards and to enable the same to be readily removed from the well without necessitating dry-docking a boat or the like.

15 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

20 In the drawings, Figure 1 is a longitudinal sectional view of a center-well having a center-board constructed in accordance with this invention. Fig. 2 is a transverse sectional view. Fig. 3 is a detail sectional view illustrating the manner of hinging the center-board to the vertical bar.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

30 1 designates a center-well having a vertical rod 2, rigidly mounted at one end of the center-well and secured at the bottom of the same by transverse plates 3 and 3^a and having slidably mounted on it a leaf 4 of a hinge 5, which connects a center-board 6 to a vertical bar 7 and to the rod 2. The hinge 5 is composed of a leaf 8, consisting of two plates secured to opposite sides of the center-board and projecting therefrom and receiving between its projecting ends the leaf 4, which forms the other portion of the hinge and which is secured by a horizontal pintle 9. The leaf 4 consists of a single piece of metal doubled on itself to form a vertical eye 10 to receive the rod, and having secured between its sides the lower end of the vertical bar 7. The upper end of the vertical bar is provided with a perforation 11 to receive a transverse pin for securing the bar in position and with

an eye 12, to which may be attached the hook 50 or a tackle, whereby the center-board may be readily removed from a boat. The center-board is adapted for boats which are employed during cold weather, and it may at night or other times when the boat is not in use be removed from the well to prevent freezing. The plates 3 and 3^a, which are secured transversely of the center-well at the bottom of the same, serve to support the rod 2 and rigidly secure the same to the center-well. The upper plate 3 is provided with an opening countersunk from the inner face, and the lower end of the rod 2 is slightly conical to fit the countersunk opening, and the said lower end rests upon the lower plate 3^a. The plates are preferably constructed of a single piece of metal, which is bent upon itself; but separate plates may be employed.

What I claim is—

1. The combination, with a center-well, of a vertical rod rigidly mounted at one end of the well and having its lower end secured to the same, a center-board, a hinge having one leaf connected with the center-board and having its other leaf slidably mounted on the rod, a vertical bar secured to the slidably-mounted leaf, and means for securing the upper end of the bar to the well, substantially as and for the purpose described.

2. The combination, with a center-well, of a vertical rod rigidly mounted at one end of the well and having its lower end secured to the same, a center-board, a hinge having one leaf provided with an eye and slidably mounted on the rod and having its other leaf secured to the center-board, a rod secured to the leaf, having the eye and provided at its upper end with an eye and with a perforation, and a transverse pin arranged in the perforation and securing the bar to the center-well, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

FRANCIS M. EATON.

Witnesses:

GEO. R. FULLER,
RALPH J. ROBINSON.