P. L. MURPHY.

SELF-DUMPING SCOW.

No. 180,622. Patented Aug. 1, 1876.

Fig. 1

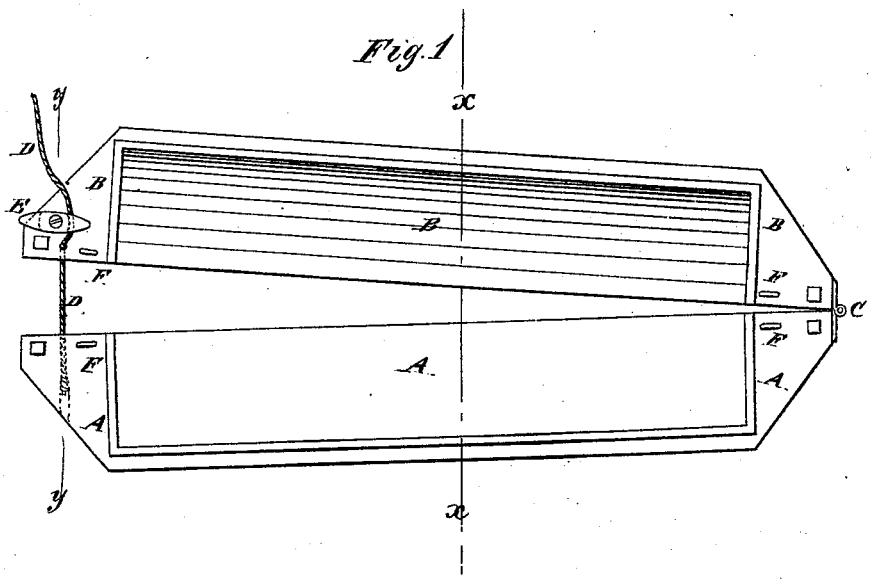


Fig. 2

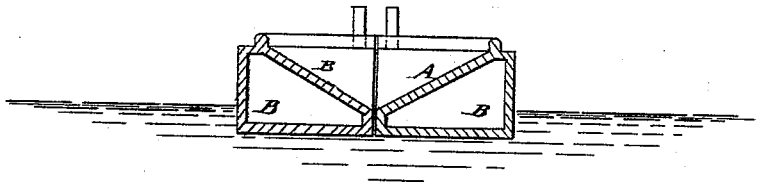
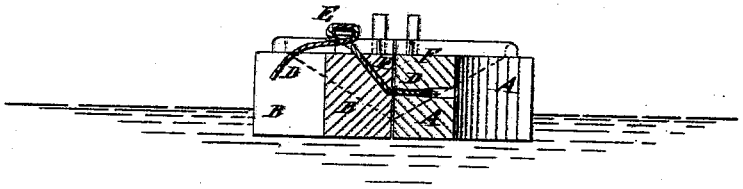


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

PHILETUS L. MURPHY, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND JOHN A. SQUIRES, OF SAME PLACE.

IMPROVEMENT IN SELF-DUMPING SCOWS.

Specification forming part of Letters Patent No. **180,622**, dated August 1, 1876; application filed July 15, 1876.

To all whom it may concern:

Be it known that I, PHILETUS L. MURPHY, in the city, county, and State of New York, have invented a new and useful Improvement in Dumping-Scows, of which the following is a specification:

Figure 1 is a top view of my improved scow, partly opened. Fig. 2 is a vertical cross-section of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a detail section, taken through the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish a scow, which shall be so constructed that it may be dumped to discharge its load into the water, and thus render the disagreeable labor of shoveling the load overboard unnecessary, and which shall be simple in construction and easily operated.

The invention consists in a scow made in two parts, having the plane of division passing longitudinally through its center, having the deck inclined from the outer sides to the line of division, connecting with each other at one end by one or more hinges, and at the other end by a rope or chain, as hereinafter fully described.

The scow is made in two equal parts, A B, the plane of division passing longitudinally through its center. The parts A B are connected to each other at one end by one or more hinges, C, which should be universal hinges, or so formed as to allow the rear ends of said parts A B to have a vertical as well as lateral movement to prevent the hinges from being broken by the action of the water. The other ends of the parts A B are connected by a rope or chain, D, one end of which is secured to the one part, and which passes through guide-holes formed in or around guide-pulleys attached to the other part, so that by pulling upon the said rope or chain D the rear ends of the parts A B may be drawn together, and may be held there by securing the free end of the rope or chain D to a belaying-cleat, E, or other convenient fastening. To the front and rear ends of the parts A B are attached keepers F to receive a bar to prevent the said parts A B from working up and down upon each other when loaded and being drawn to the dumping-place.

The deck of the scow is inclined from the outer sides of the center or line of division, as shown in Figs. 1 and 2, so that when the coupling rope or chain D is released the weight of the load may force the parts apart, and thus dump the load automatically.

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

A scow made in two parts, having the plane of division passing longitudinally through its center, having the deck inclined from the outer sides to the line of division, and connected with each other at one end by one or more hinges, C, and at the other end by a rope or chain, D, substantially as herein shown and described.

PHILETUS L. MURPHY.

Witnesses:
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