(No Model.)

A. D. POST.

BOAT DETACHING APPARATUS.

No. 300,126. Patented June 10, 1884.

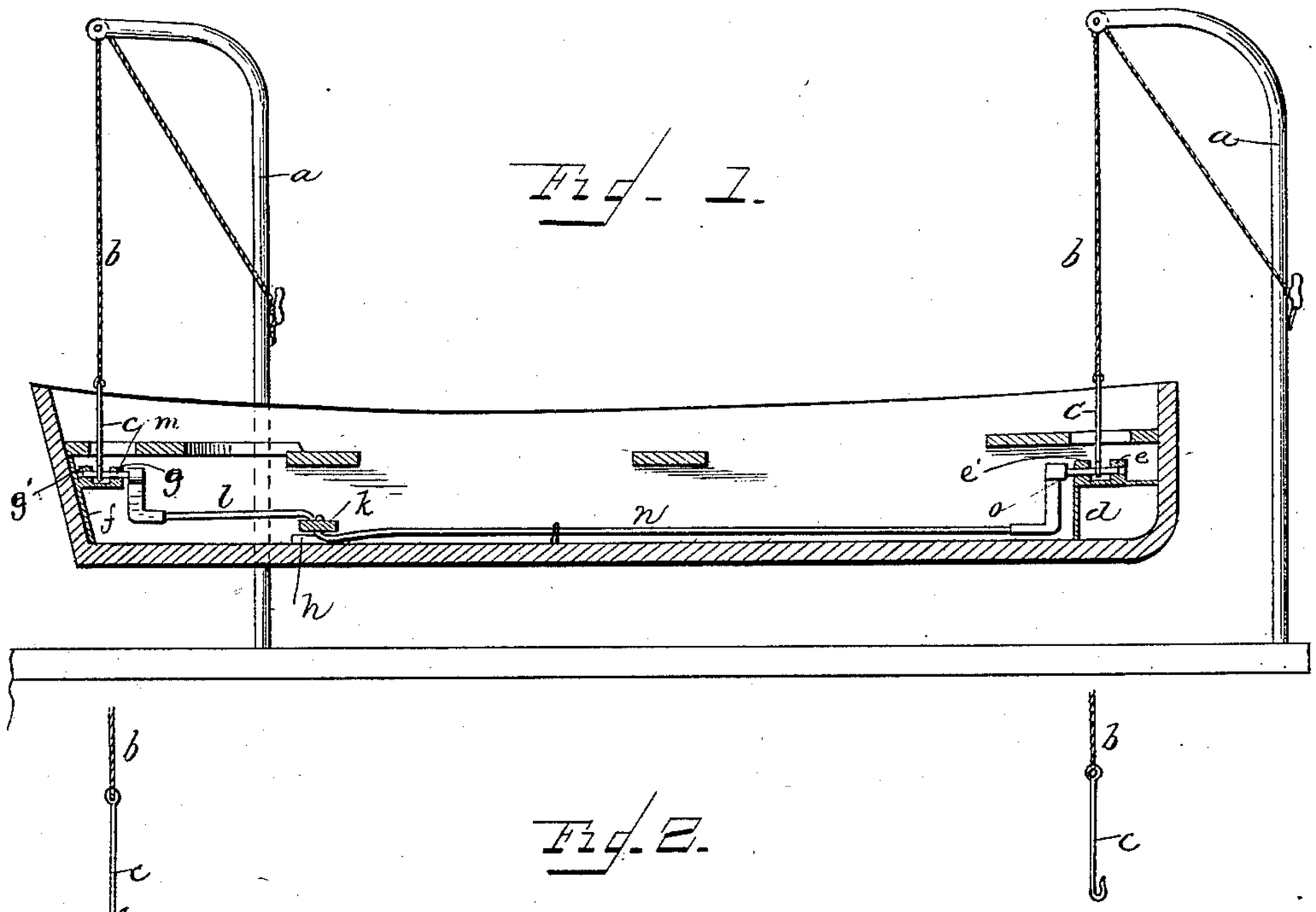

Fig. 1.

Fig. 2.

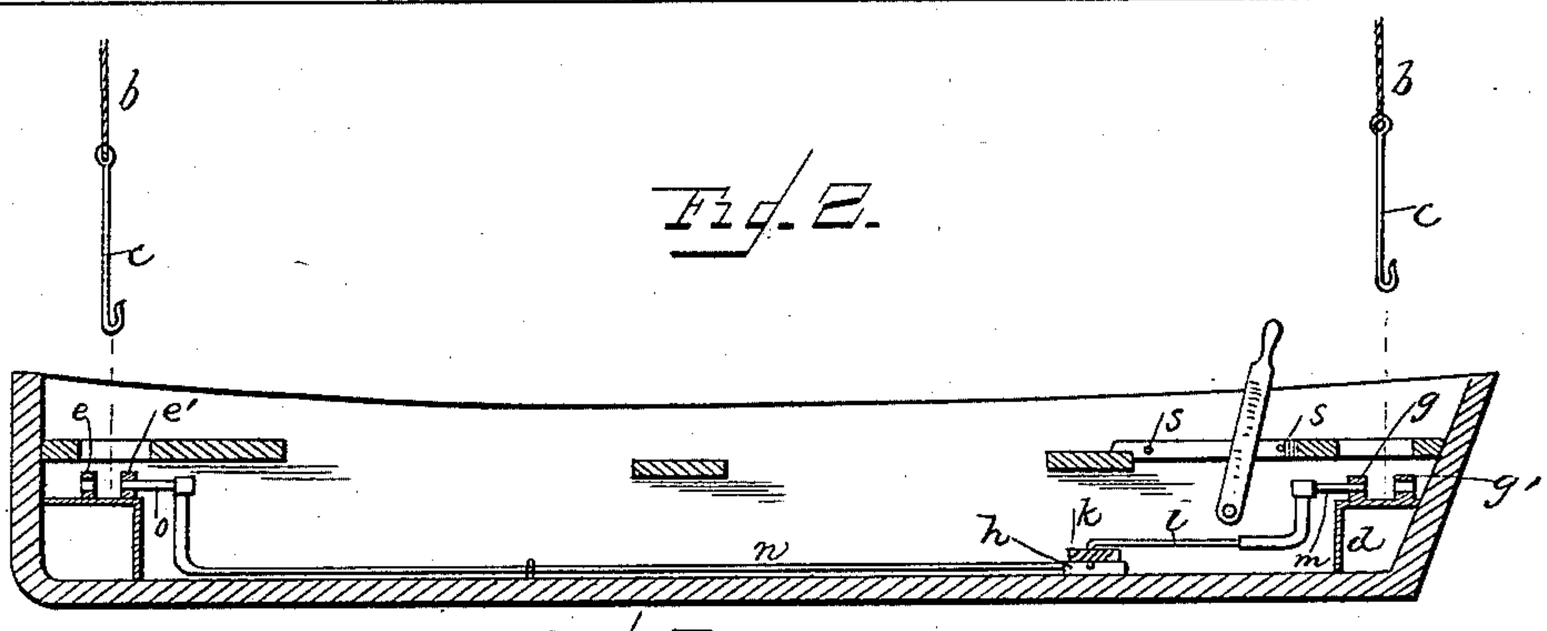

Fig. 3.

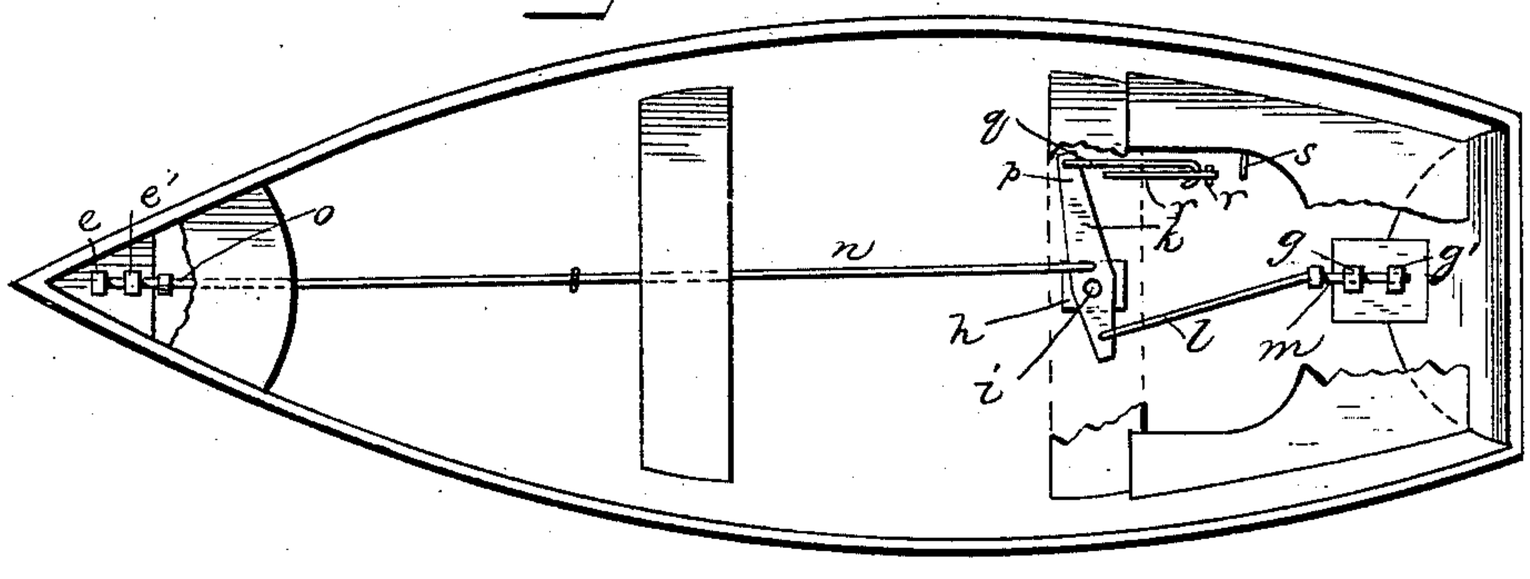

Fig. 4.

WITNESSES
F. L. Ourand.
E. G. Siggers.

Andrew D. Post
INVENTOR
by C. A. Snow & Co
Attorneys

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

ANDREW DECKER POST, OF KEYPORT, NEW JERSEY.

BOAT-DETACHING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 300,126, dated June 10, 1884.

Application filed April 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, ANDREW D. POST, a citizen of the United States, residing at Keyport, in the county of Monmouth and State of New Jersey, have invented a new and useful Boat-Detacher, of which the following is a specification, reference being had to the accompanying drawings.

This invention has relation to boat-detachers, designed to clear the boat from the davit-falls in an instant while the vessel or steamer is in motion, or in case of accidents from any cause, whether the vessel be in rough or smooth water, and prevent swamping or breaking of the boat, which is caused by the failure to quickly disengage the boat from the hooks of the davit-falls; and it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claim.

Figure 1 is a vertical longitudinal sectional view of a boat suspended from the hooks on the davit-falls by my improved boat-detacher. Fig. 2 is a similar view showing the lever moved to disengage the hooks; and Fig. 3 is a plan view, the boat-seats being broken away to show the pivoted arm and the bolt-rods.

Referring by letter to the accompanying drawings, *a a* designate the davits, *b b* the ropes or davit-falls, and *c c* the hooks. The boat is provided at its bow with a casting, *d*, provided with two perforated lugs, *e e'*, aligned with a similar casting, *f*, with two aligned perforated lugs, *g g'*, said castings being secured near the bottom of the boat.

To the bottom of the boat, conveniently near the stern, is secured a base-plate, *h*, provided with a vertical stud or pivot-pin, *i*, on which is pivoted a lever-arm, *k*, which extends nearly transversely of the bottom of the boat. At one end of this arm *k* is hinged a boat-rod, *l*, which extends rearwardly toward the stern of the boat, and is bent upwardly a proper distance, and is provided at its upper end with a shouldered bolt, *m*, the stem *m'* of which enters the perforated lug *g*. Intermediately of the pivotal point and the other end of the lever-arm *k* is hinged the end of a longer bolt-rod, *n*, which extends forwardly through staples driven into the bottom of the boat to the perforated lugs *i i'* at the bow of the boat, where its bolt-stem *o* enters the lug *i*. To the end *p* of the lever-arm *k* a rod, *q*, is hinged, and its rear end connects with a hand-lever, *r*, fulcrumed to the bottom of the boat, and perforated near its upper end, or otherwise provided with means to engage with a rack or pin, *s*, to hold the bolt-stems *m'* and *o* in place in both sets of aligned perforated lugs, so that the boat may be attached to the hooks of the davit-falls, as shown in Fig. 1, while the boat is being lowered. By drawing the hand-lever back to the position shown in Fig. 2, at the instant the boat touches the water the bolts will be withdrawn from the perforated lugs, the hooks detached, and the boat will float with the water, thus obviating the danger of swamping or knocking the bottom out of the boat before the hooks can be released.

This detacher is simple, cheap, and durable. It is certain in its action, cannot get out of order, and by its use great loss of life, as well as of boats, will be prevented.

I am aware that prior to my invention boat-detachers have been used wherein two forked boats—one near the bow and the other near the stern of the boat—have been provided with aligned perforations, in which headed pins were placed to secure the links at the lower ends of the hoisting-ropes, and these pins were attached to chains or ropes connected with a windlass in the middle of the boat, and by operating the windlass both pins could be drawn simultaneously to permit the boat to move off on the water, and make no claim to said construction.

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

In a boat-detacher, the combination, with the casting *d*, secured to the bow of the boat, and provided with the aligned perforated lugs *e e'*, and the casting *f*, secured in the stern of the boat, and provided with the perforated aligned lugs *g g'*, of the base-plate *h*, having stud *i*, secured in the bottom of the

boat, the pivoted lever *k*, connected by rod *q* to the hand-lever *r*, the bolt-rod *l*, bent upwardly at its rear end, and provided with the shouldered bolt *m m'*, and the bolt-rod *n*, bent upward at its forward end, and provided with the shouldered bolt *m o*, substantially as specified.

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

ANDREW DECKER POST.

Witnesses:

BENJAMIN B. OGDEN,

GEORGE RUSSELL,

BENJAMIN DECKER, Jr.