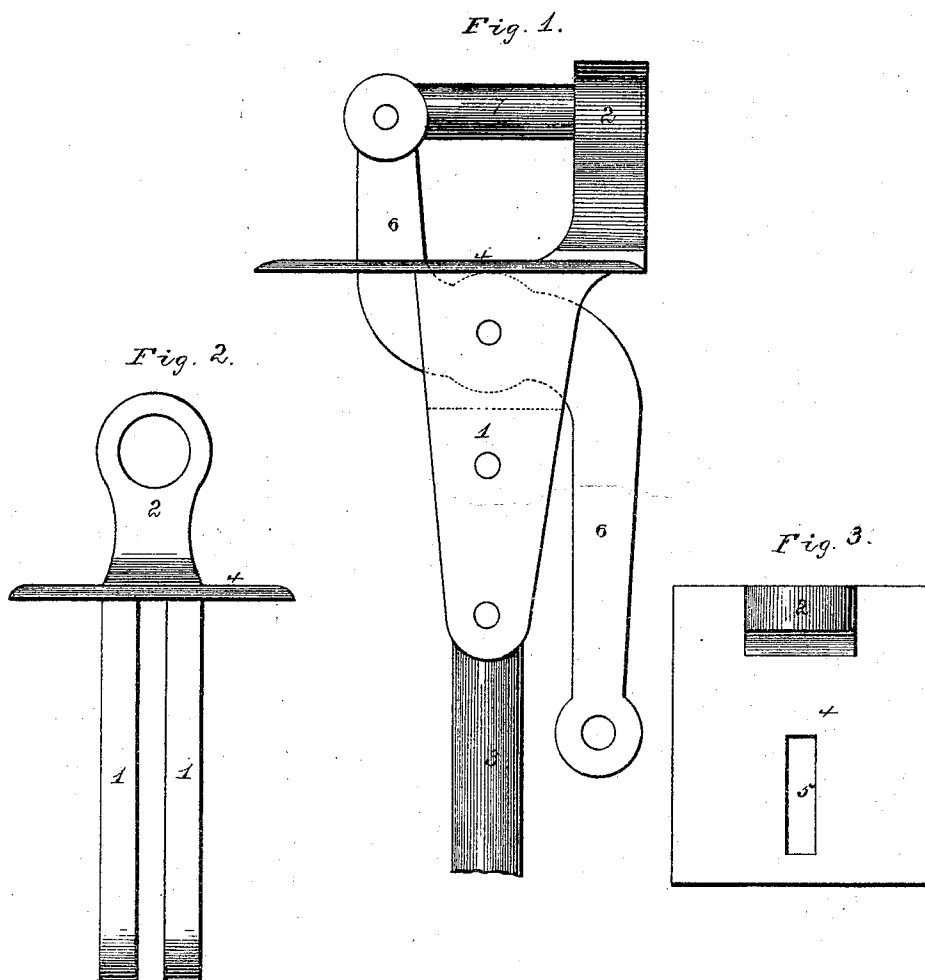


S. SNEDEN.
Boat-Detaching Apparatus.

No. 141,470.

Patented August 5, 1873.



WITNESSES.

Wm. Johnson
Thos. F. Kendig.

INVENTOR.

Saml. Sneden
per
J. A. Lehmann, Atty

UNITED STATES PATENT OFFICE.

SAMUEL SNEDEN, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN BOAT-DETACHING APPARATUS.

Specification forming part of Letters Patent No. **141,470**, dated August 5, 1873; application filed July 9, 1873.

To all whom it may concern:

Be it known that I, SAML. SNEDEN, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Boat-Detaching Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings which form part of this specification.

The nature of my invention relates to an improvement in boat-detaching apparatus; and it consists in casting or securing a slotted plate to the standard, so as to prevent all lateral strain upon the movable lever; and so that, should the bolt break upon which the lever is fulcrumed, the plate will still retain the lever in position.

The accompanying drawings represent my invention.

1 represents the upright or standard, having the eye 2 formed upon its top, and its lower end bifurcated so as to receive the operating-lever and the end of a rod, 3, by which the device is secured in position in the boat. Cast with, or secured to, the top of the standard in any suitable manner is the plate 4, having a slot, 5, cut through it, up through which passes the end of the operating-lever 6. This lever is fulcrumed between the two ends of the standard, just under the plate, having its two ends turned in opposite directions, and the bolt or plug 7 pivoted to its upper one.

When this lever is moved so as to force the end of the plug into the eye 2 the front edge

of the lever rests firmly against one end of the slot 5; and, when the bolt is moved backward, the top edge of the lever presses up against the under side of the plate; and, the lever being so held that no lateral movement can possibly take place, no strain can possibly come upon the lever which will injure it or affect its action in the slightest degree. Should the bolt break upon which the operating-lever is fulcrumed the lever will still be retained in position by the plate instead of giving away entirely, and thus it makes the device safer and stronger than it otherwise would be.

Side strains upon the lever might be prevented by making a suitable opening up through the seat; but the constant wear and friction of the parts would soon make the opening so large that it would cease to have the desired effect. By casting the plate as a part of the standard it makes the device compact, gives it a more finished appearance, and makes it safer and stronger.

This device is intended as an improvement upon the patent to Brown & Level, December 4, 1866.

Having thus described my invention, I claim—

The standard 1, eye 2, plate 4 having the slot 5, in combination with the operating-lever 6 and plug 7, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand.

SAMUEL SNEDEN.

Witnesses:

JOHN ANDERSON,
ALFRED JACKSON.