G. H. Kempton.

Boat Detaching.

No. 67,989. Patented Aug. 20, 1867.

Fig. 1.

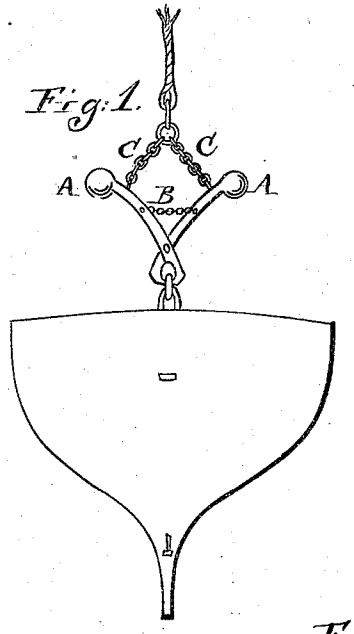
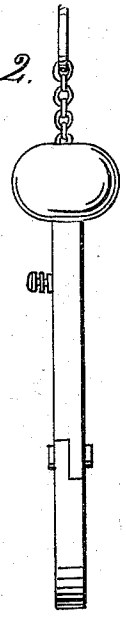
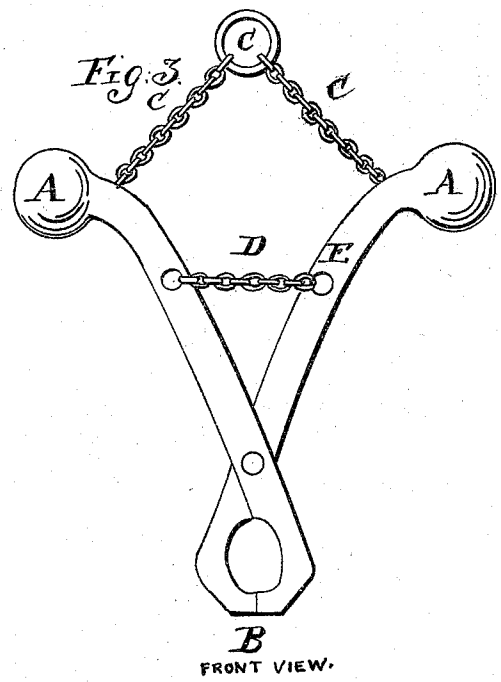


Fig. 2.



SIDE VIEW.

Fig. 3.



FRONT VIEW.

Witnesses:

Mitchell Soden

J. H. Carpenter

Inventor:

Georg. H. Kempton

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

GEORGE H. KEMPTON, OF HUDSON, NEW JERSEY.

Letters Patent No. 67,989, *dated August* 20, 1867.

IMPROVED BOAT-DETACHING TACKLE.

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, GEORGE H. KEMPTON, of the city of Hudson, county of Hudson, State of New Jersey, have invented a new and useful Life-Saving Apparatus for hoisting and lowering boats from vessels in distress. I do hereby declare the following is a full and exact description, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view as attached to end of boat hanging at the davits.

Figure 2 is a side view, and

Figure 3 a full view of hook.

The hook (as seen at fig. 3) is made with the upper ends or balls A A so heavy as to open the hook at B when the boat (fig. 1) shall strike the water, the chain and ring C C C supporting and drawing the hook more tightly together as the weight of the boat or in the boat is increased. The chain D, as drawn from one side of hook to the other, is used for safety in rough weather and in a heavy sea. In case of fire, leak, or abandonment during good weather, the chain D may be attached before lowering the boat, or while lowering the boat, but during the operation of lowering in a heavy sea, the chain D operates as a check to the sudden opening of the hook until the boat is ready to be detached from the vessel, when, by lifting the chain from the pin E, or by drawing a pin at E, the hook frees itself, by the fall of the balls in opposite directions.

Fig. 1 represents the hook as attached to a boat ready for launching, with the hook fastened in the ring-bolt, when, by relieving it from the weight of the boat, and lifting the chain D from the pin E, or drawing a pin at E, the weight of the balls A A immediately frees the hook from the boat.

What I claim, and desire to secure by Letters Patent, is—

The application of the double-weighted hook to the ring and chains C C D, all combined and operating for the purposes specified.

GEORGE H. KEMPTON. [L. S.]

Witnesses:

CHARLES LUXTON,

EDGAR M. EOFF.