

G. Stancliff,

Detaching Boats.

No. 111,398.

Patented Jan. 31 1871.

Fig. 1

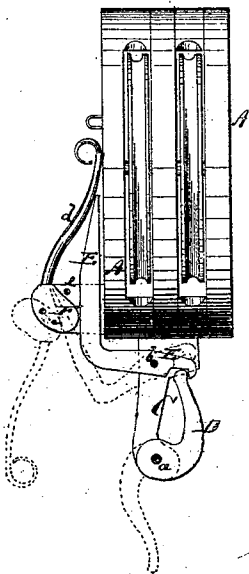
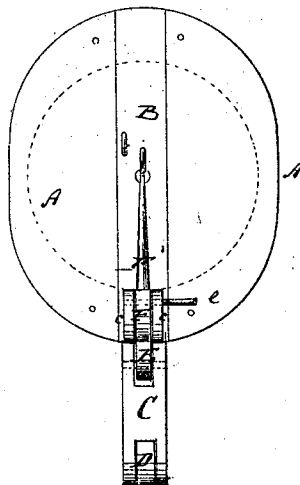


Fig. 2



Witnesses:

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GEORGE STANCLIFF, OF NEW YORK, N. Y.

Letters Patent No. 111,398, dated January 31, 1871.

IMPROVEMENT IN BOAT-DETACHING APPARATUS.

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 STANCLIFF, of the city of New York, in the county and State of New York, have invented a new and improved Detachable Tackle-Block; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a side view of my improved tackle-block.

Figure 2 is a face view of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to so provide tackle-blocks that the load suspended from them may be readily detached, when desired.

The invention is chiefly applicable to davits for suspending boats from the sides of a vessel, and for permitting the rapid detachment of the same; but may also be used for other purposes.

The invention consists in connecting the strap of the tackle-block with a swinging hook, fastening-lever, and locking-cam, all operating in such manner that, by turning the cam, one end of the hook will be disengaged to drop and let go whatever was suspended from it.

A in the drawing represents a tackle-block, of suitable kind and size.

To the strap B of said block is secured a projecting arm, C, which receives the pivot *a* of a hook, D, and also the pivot *b* of an L-shaped lever, E.

From the strap B projects another arm, *c*, to which is pivoted a cam, F, that has a projecting handle, *d*.

The free end of the lever E passes through the forked arm *c* between the strap B and cam F.

The free end of the hook D can be fitted into a notch in the short arm of the lever E, and the other arm of the latter then locked against the strap B by the cam F, all as shown by full lines in fig. 1.

The cam may, in this position, be locked by a pin, *e*, fitted through the arm *c*, so that the hook will be securely held close to the lever E.

Any weight suspended from the hook will thus hang secure; but whenever the cam is turned, so as no longer to clamp the end of the lever, the latter will swing clear of the hook, and the hook will drop on its pivot, all as indicated by dotted lines in fig. 1.

The weight hanging on the hook can thus be readily detached.

The invention, it will be seen, is peculiarly applicable to boat-detaching apparatus and similar purposes.

To operate the detaching-cam, a cord is tied to its handle, by pulling which the cam will be turned to release the hook.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The tackle-block, provided with the pivoted hook D, lever E, and cam F, all arranged to operate substantially as herein shown and described.

Witnesses: GEORGE STANCLIFF.

GEO. W. MABEE,
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