(No Model.) 2 Sheets—Sheet 1.

C. F. C. MORRIS.

BOAT DETACHING HOOK.

No. 261,749. Patented July 25, 1882.

Fig. 1

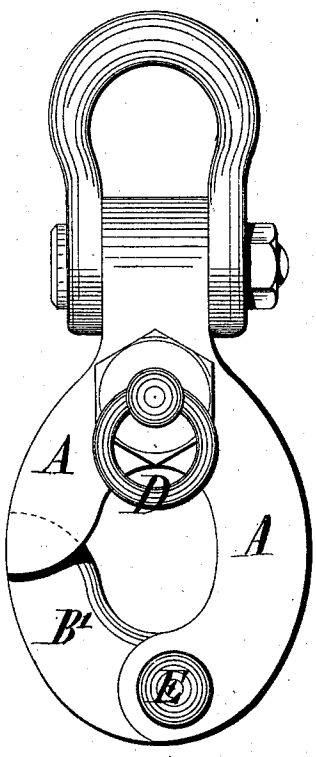


Fig. 2

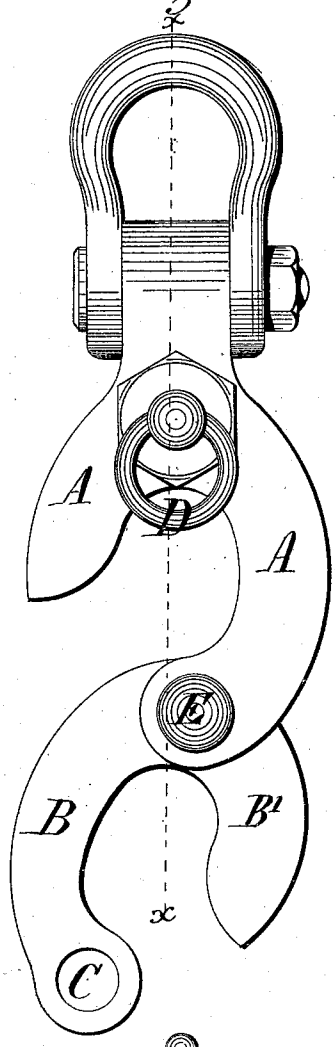


Fig. 3.

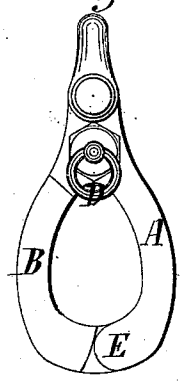
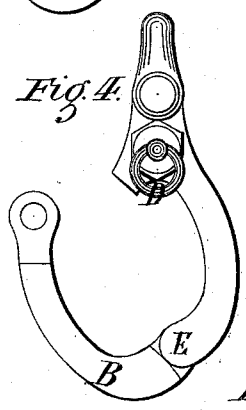


Fig. 4.



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Inventor:
C. F. C. Morris

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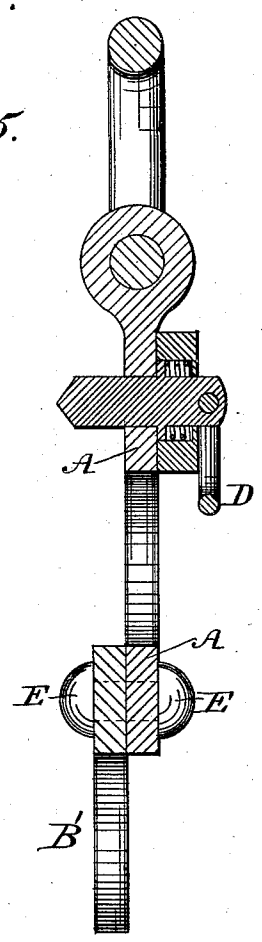
(No Model.) 2 Sheets—Sheet 2.

C. F. C. MORRIS.

BOAT DETACHING HOOK.

No. 261,749. Patented July 25, 1882.

Fig. 5.



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UNITED STATES PATENT OFFICE.

CHARLES F. C. MORRIS, OF LONDON, COUNTY OF MIDDLESEX, ENGLAND.

BOAT-DETACHING HOOK.

SPECIFICATION forming part of Letters Patent No. 261,749, dated July 25, 1882.

Application filed February 24, 1881. (No model.) Patented in England April 8, 1879, No. 1,389.

To all whom it may concern:

Be it known that I, CHARLES FRANK CONWAY MORRIS, a subject of the Queen of Great Britain, and a resident of London, in the county of Middlesex, England, have invented a novel Slip-Shackel, (for which I have received Letters Patent in England No. 1,389, dated April 8, 1879,) of which the following is a specification.

The object of my said invention is to provide a simple, useful, and instantaneous releasing or "slipping" contrivance or apparatus which may be employed with advantage and perfect safety in connection with a variety of operations, such as, among others, for lowering ships' boats, also as a pole-chain slip in connection with vehicular traffic, and as a detaching arrangement for harness generally.

In order that my said invention may be more thoroughly understood, I have appended the accompanying sheet of drawings, in which the same letters of reference are employed to denote the like or corresponding parts throughout the several figures illustrative of my said invention.

Figures 1 and 2 illustrate one arrangement and mode of constructing the slipping contrivance according to my said invention, and Figs. 3 and 4 (drawn to a reduced scale) illustrate another arrangement and mode of constructing the said contrivance or apparatus, which in Figs. 1 and 3 is shown closed and in Figs. 2 and 4 is shown disengaged or open. Fig. 5 represents a vertical section through the shackle, coinciding with the central longitudinal line of the fastening-pin.

In the arrangement Figs. 1 and 2 the framing A of the slipping contrivance is formed of two sides or members, one of which is shorter than the other, whereas in the arrangement Figs. 3 and 4 the locking and unlocking or releasing portion or member B thereof is caused to form one-half of the actual framing when the slip is locked. Referring to Figs. 1 and 2, the movable or locking part B (being also that to which is attached at B′ the weight or strain to be borne or carried) is pivoted, as shown at E, at the end of the longer side of the framing, and is formed with an eye, C, which, on the "slip" being locked, takes in a spring locking and unlocking bolt or pin, with ring-releasing attachment D at the head of the slip, which, when locked, will bear with safety a very considerable weight or strain upon it, while, on the other hand, on pulling the spring-bolt connected with the ring D, the weight, strain, or pull is immediately released, and without risk of accident to the operator. To facilitate the instantaneous releasing action, the center of the pivot-bolt E, on which the member B is pivoted, is slightly out of the line of the center of the releasing spring pin or bolt connected with the ring D, the center of pivot-bolt E being normally farther from the side of the shackle which opens than is the spring-bolt D′ connected to ring D. The strain of the suspended weight is therefore thrown mainly upon this lower bolt, E, and toward the side of the shackle which opens. This construction allows the spring-bolt D′ to be withdrawn easily, and insures the immediate opening of the shackle.

The reference to Figs. 3 and 4 is substantially the same as that for Figs. 1 and 2 of annexed drawings, and though I have enumerated some of the purposes to which my invention may be applied I do not confine myself thereto, as the same may be used generally as a novel and simple means of readily and instantly uncoupling, detaching, releasing, or disengaging.

I am aware that prior to the date of my invention patents for arrangements of detaching or releasing apparatus have been granted to J. A. Davis, No. 29,064, July 10, 1860, and J. Foster, Jr., No. 105,931, August 2, 1870, (detaching boats;) Edward Hamilton, No. 48,275, June 20, 1865, (clasps and buckles, snap-hooks;) and Wm. Folkeman, No. 8,968, May 25, 1852, (clasps and buckles, hooks.) I do not therefore claim the arrangement and combination of parts, generally, as shown in the accompanying drawings; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

The loop A, suspended as described, having the hook pivoted thereto by bolt E at a point which throws the weight supported thereby toward the open side of the loop, and the spring-pin D, operating to hold the hook closed, all the parts co-operating in the manner set forth.

C. F. C. MORRIS.

Witnesses:
FRANK H. BENNETT,
JAMES STEVENSON.