

J. M. KILNER.
Cable-Stoppers.

No. 140,202.

Patented June 24, 1873

Fig. 1.

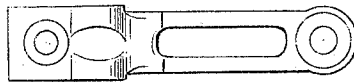


Fig. 2.

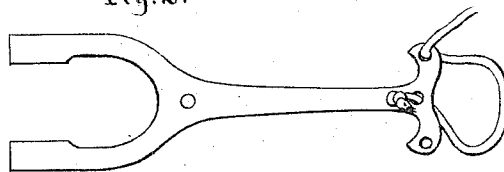
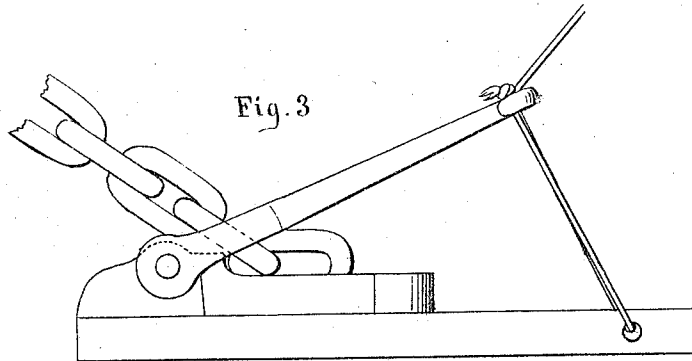


Fig. 3.



Witnesses:

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JAMES M. KILNER, OF CHESTER, ENGLAND.

IMPROVEMENT IN CABLE-STOPPERS.

Specification forming part of Letters Patent No. 140,202, dated June 24, 1873; application filed July 24, 1873.

To all whom it may concern:

Be it known that I, JAMES MAYE KILNER, of Chester, England, clerk, and subject of the Queen of Great Britain, have invented a Horseshoe-Grab for securely holding and instantaneously releasing chains of all sizes; and I do hereby declare the nature of said invention by the following statement:

I form an oblong metal casting, to which is pivoted a lever in the shape of a horseshoe, with an extended arm terminating in a "ram's horn." The casting has two holes by which the instrument may be secured, by screws or bolts, in either a horizontal or upright position, and a niche or slot in which any link of a chain may be partially imbedded, so that one end of such link abuts against the projecting shelf. When the horseshoe is brought to bear on the link of chain, and the "ram's horn" is fastened down, any amount of strain within the capacity of the chain may be applied without effect; but directly the lever is released the chain flies out from its niche, and is free.

The invention is applicable to almost every purpose where the ready fastening and release of chain is a desideratum, but more especially to ships' boats. The improvement consists in the faculty of the horseshoe-g. to be re-

leased at any time with or without strain on the tackle, whereas, most other devices must have a *bona fide* slack to some extent before it can be detached. The horseshoe-grab for boats must be applied in duplicate, preferably in an upright position, because short chain pendants will then suffice. Sometimes, however, the position of air-tanks in life-boats, or some other cause, renders it more desirable to secure one or both of the horseshoe-grabs to the keelson. In such case longer chain pendants are necessary, and these should be led (so that they may plumb the davits and keep the boat upright when suspended) through a thimble or hole in one of the boat's thwarts.

I claim—

The casting provided with two holes and a niche, or slot, in which any link of a chain may be partially embedded so that the end of said link abuts against the projecting shelf, and the horseshoe-lever constructed as described, and provided with a fastening-line, when combined together for operation as and for the purposes described.

JAMES MAYE KILNER.

Witnesses:

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