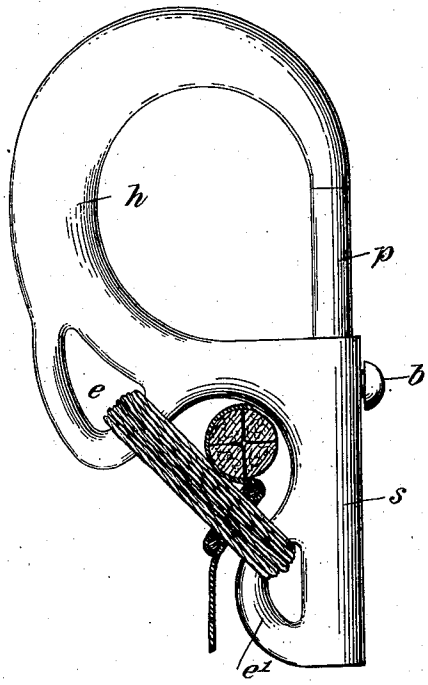
No. 712,303. Patented Oct. 28, 1902.

J. M. INTO.

SAIL HANK.

(Application filed Apr. 9, 1902.)

(No Model.)



WITNESSES:

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JOHN M. INTO, OF NEWPORT, RHODE ISLAND, ASSIGNOR OF TWO-THIRDS TO CHARLES BARR, OF NEW YORK, N. Y., AND LEONARD MILLER, OF BROOKLYN, NEW YORK.

SAIL-HANK.

SPECIFICATION forming part of Letters Patent No. 712,303, dated October 28, 1902.

Application filed April 9, 1902. Serial No. 102,079. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. INTO, a citizen of the United States, and a resident of Newport, in the county of Newport and State of Rhode Island, have invented a new and Improved Sail-Hank for Marine Vessels, of which the following is a full, clear, and exact description.

This invention relates to a snap-hook designed especially for use as a sail-hank—that is to say, as a means for fastening the head-sails of marine vessels to the stays on which they are set.

The object of the invention is to construct a hook which may be permanently fastened to the sail and which will not injure the same by unduly wearing on the bolt-rope or sail-cloth, which will hold the luff of the sail snug against the stay, and be of such construction as to admit of quickly bending and unbending the sail.

This specification is an exact description of one example of my invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawing, forming a part of this specification, in which the figure represents a side view of the invention.

h is the hook proper; *p*, the pin; *b*, the finger-button for operating the pin; *s*, the shank, and *e* and *e'* the eyes.

The pin *p* slides, as usual, in the shank and is pressed closed by the usual spring, which is mounted in the hollow shank *s*. To open the pin, pressure must be applied to the button *b*. The eye *e* is formed on the back of the hook *h* and the eye *e'* on the end of the shank *s* at the side adjacent to the eye *e*. These eyes *e* and *e'* stand, therefore, in a line ranging diagonally of the shank *s*.

The snap-hook is fastened to the sail by first placing the bolt-rope at the luff of the sail in the space between the eyes and seizing the parts together by rope yarn or other fastenings passing through the gromets in the sail and through the eyes *e* and *e'*, as indicated in the drawing. In bending on the sail the stay is introduced into the hook *h*, and the pin *p* holds the parts engaged. Now it is clear that the hook may be very quickly engaged with and disengaged from the stay, and this is of much importance in using the device as a sail-hank, for the reason that the head-sails of a vessel—particularly racing vessels, for which this device is especially designed—must be handled with great "smartness" to prevent accidents, it frequently being required to unbend one sail and bend another while the vessel is under way. Further, owing to the peculiar construction the bolt-rope of the sail is held up snug against the stay, which condition is essential to entire effectiveness as regards the "drawing" power of the sail. Chafing and wearing on the sail are prevented by the arrangement of the eyes *e* and *e'*, between which the bolt-rope is held by rope yarn or other seizing as contradistinguished from iron or other metal fastenings.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A snap-hook, having a hook proper, a pin, a shank extending from the hook proper, and two eyes respectively on the shank and hook proper, said eyes ranging diagonally of the shank, for the purpose specified.

2. A snap-hook, having a hook proper, a pin, a shank extending from the hook proper, and two eyes respectively on the shank and hook proper, said eyes ranging diagonally of the shank, for the purpose specified, the shank being hollow and the pin being mounted therein, and a finger-button carried by the pin to permit its convenient operation and located at the outer side of the shank.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN M. INTO.

Witnesses:
ISAAC B. OWENS,
JNO. M. RITTER.