No. 710,776. Patented Oct. 7, 1902.

E. L. HOBART.

ATTACHING DEVICE.

(Application filed Aug. 24, 1901.)

(No Model.)

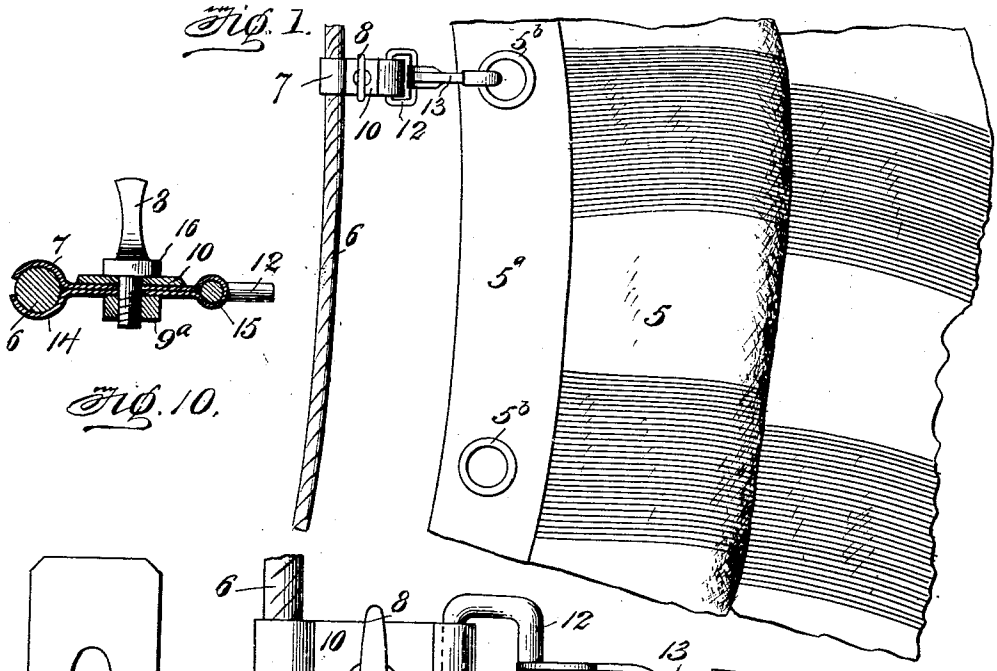


Fig. 1.

Fig. 10.

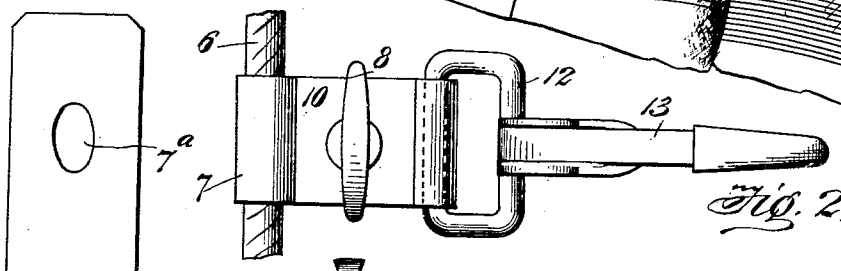


Fig. 2.

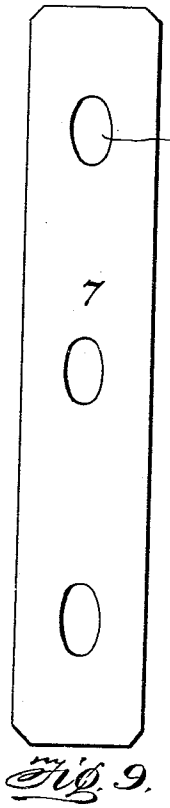


Fig. 9.

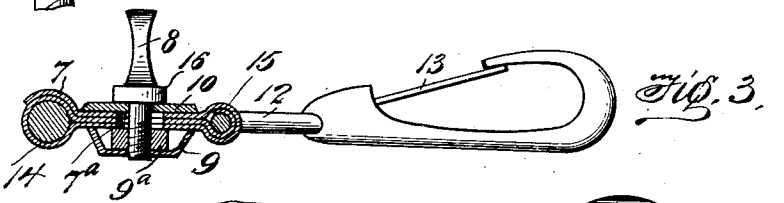


Fig. 3.



Fig. 5.

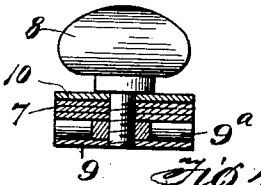


Fig. 4.

Fig. 6.

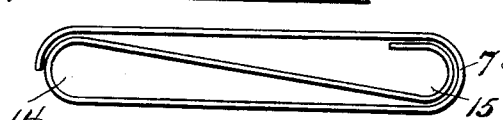


Fig. 7.

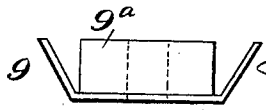


Fig. 8.

Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EDWIN L. HOBART, OF DENVER, COLORADO.

ATTACHING DEVICE.

SPECIFICATION forming part of Letters Patent No. 710,776, dated October 7, 1902.

Application filed August 24, 1901. Serial No. 73,138. (No model.)

To all whom it may concern:

Be it known that I, EDWIN L. HOBART, a citizen of the United States, residing at Denver, in the county of Arapahoe, State of Colorado, have invented certain new and useful Improvements in Attaching Devices, of which the following is a description, reference being had to the accompanying drawings, and to the figures of reference marked thereon.

My invention relates to improvements in attaching devices, and is particularly adapted for attaching flags to halyards.

The object of my improvement is to provide a means whereby a flag can be securely fastened to a halyard, which means shall yet be capable of ready adjustment to any part of the rope to fit flags of different sizes. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view showing the flag attached to the halyard by one form of attaching device. Fig. 2 is a plan view of the device. Fig. 3 is an elevation partly in section. Fig. 4 is a transverse sectional view. Figs. 5, 6, 7, and 8 illustrate the parts of my device separated from each other. Fig. 9 is a plan view of the clamping-strip before it is folded, and Fig. 10 is a sectional elevation of a modified form of my device.

Similar figures refer to similar parts throughout the several views.

My attaching device consists, mainly, of two parts—viz., a strip of flexible material 7, preferably sheet metal, which is folded upon itself in the manner shown in Fig. 7, or as shown in Fig. 10, whereby there are formed two loops 14 15, one of which when the second part of my device (the clamp) is applied thereto firmly grasps the halyard 6 and the other holds the attaching-ring 12, which is provided with the usual snap-hook 13. This strip of flexible material is preferably provided with several elongated openings or slots 7^a to permit of the use of ropes of different sizes. These openings are so arranged that when the strip is folded they will register with each other. The clamp consists of an upper member 10, which is a perforated plate, and a lower member, which, as shown in Fig. 8, consists of a nut 9^a, having side extensions 9 secured thereto, or, as shown in Fig. 10, of an ordinary nut 9^a. Passing through the plate 10, the perforations in the strip, and the threaded aperture in the nut is a screw-threaded thumb piece or bolt 8, having a shoulder 16, against which the plate 10 bears. The upper and lower members of the clamp are made of such size that there is provided ample bearing-surface to insure a firm holding together of the portions of the strip included in the clamp.

While the device may be made in the manner above described and as illustrated in the drawings, it is evident that various changes may be made without departing from the spirit of my invention. Thus the plate 10 may be omitted and its function be performed by the shoulder 16, or the lower clamping member may be made in one piece of sufficient area to effect the desired result.

When the clamp is applied to the strip folded, as in Fig. 7, there are formed at each end loops 14 15, within which are clamped the halyard and the ring 12 of the snap-hook 13. Obviously the parts must be so proportioned that the rope shall be firmly gripped on that portion of the device which encircles it, while the loop 15 may be large enough to permit easy movement therein of the ring 12.

The flag 5 is shown as provided with the usual strengthening-piece 5^a and the openings 5^b.

The manner of using my device is apparent. To attach the device to a halyard, the thumb-screw and clamping members are separated and the folds of the strip opened out sufficiently to permit of the sidewise insertion of the rope into the gripping-loop 14. The various parts are then reassembled and secured by means of the screw-bolt, thus firmly securing the device to the rope at any desired point. It will be noted that there is no tying of knots in the rope, no chance for chafing to occur, and the ready adjustment of the device to different positions on the rope enables flags of different sizes to be secured to the halyards with little trouble.

In the modified form shown in Fig. 10 the flexible material 7 is spring metal, preferably steel, and is bent so as to form a closed loop 15 to receive the attaching-ring 12 and a normally open loop 14, adapted when closed by the clamp to firmly grasp the halyards. By releasing the clamp the parts of the loop 14

will spring apart, permitting the device to be readily removed from the halyards.

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

1. A flag-attaching device, comprising a separable body portion provided at one end with a tubular rope or halyard gripping-loop, means for clamping the body portions together, a link or ring held in the opposite end of the body, and a flag-engaging snap-hook, carried by the link or ring; substantially as described.

2. A flag-attaching device, comprising a flexible strip folded upon itself to form tubular loops at its ends, one of said loops to grip a rope or halyard, a ring or link held in the other loop, and a flag-engaging snap-hook carried by said ring, the middle portion of the body having registering apertures and a binding-screw passed therethrough to cause the rope-loop to grip the rope; substantially as described.

3. An attaching device, comprising a flexible strip folded three times upon itself, formed with tubular loops at its ends, and having registering apertures through its three layers between the loops, and a binding-screw passed through said apertures; substantially as described.

4. An attaching device consisting of a sheet-metal strip folded as shown, to form a loop at each end, with the central portions of the strip lying flat upon each other, perforations through such central portions, a shouldered thumb-screw, passed through the perforations, a perforated plate between the shoulder and one side of said central portion, and a nut on the opposite end of the screw; all arranged as and for the purpose described.

5. An attaching device, consisting of a sheet-metal strip folded to form at one end a gripping-loop and at the other end a holding-loop, the portions of the strip between the ends lying flat upon each other, perforations through such central portions, a clamp comprising a shouldered thumb-screw, a perforated plate and a nut, and a hook secured to said holding-loop, all arranged as and for the purpose described.

6. An attaching device, comprising a strip folded upon itself to form two loops, a snap-hook having a ring or loop hung in one of said loops, the other loop being a gripping-loop, a set-screw passed through the central portion between the loops, and a nut on the screw provided with side extensions engaging the central portion beyond the nut; substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

EDWIN L. HOBART.

Witnesses:

WM. T. SULLIVAN,

G. G. LATIMER.