

(No Model.)

2 Sheets—Sheet 1.

G. B. WARNER.
ROPE HOLDER.

No. 497,900.

Patented May 23, 1893.

Fig. 1.

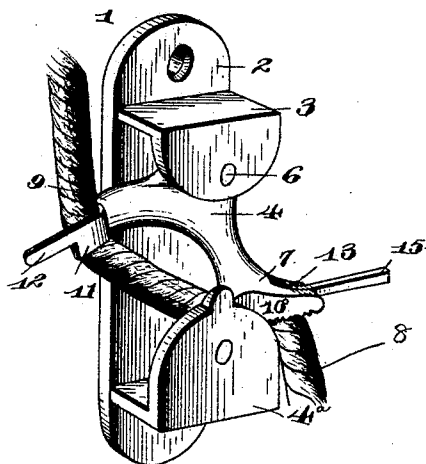
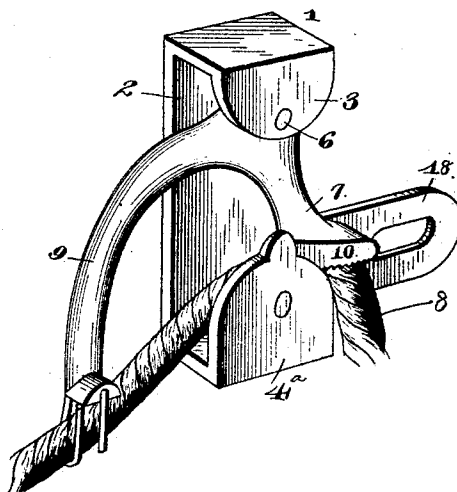
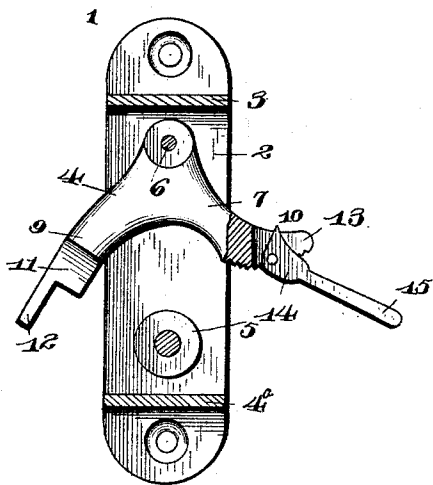


Fig. 3.

Fig. 2.



Witnesses

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By his Attorneys,

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(No Model.)

2 Sheets—Sheet 2.

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Fig. 5

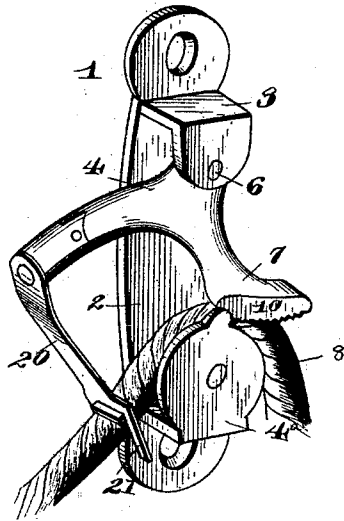


Fig. 4.

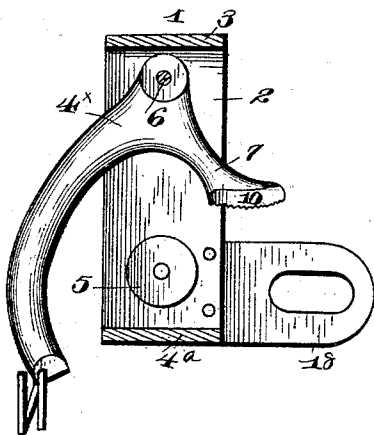
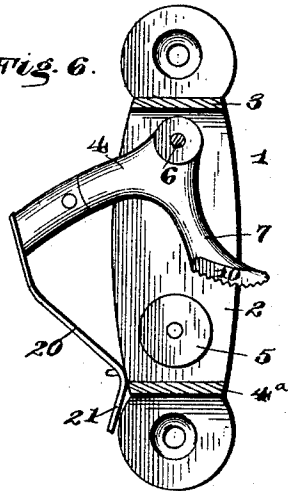


Fig. 6.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE B. WARNER, OF WOODBURY, CONNECTICUT, ASSIGNOR TO NOBLE ALLEN, OF SAME PLACE.

ROPE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 497,900, dated May 23, 1893.

Application filed June 22, 1892. Serial No. 437,609. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. WARNER, a citizen of the United States, residing at Woodbury, in the county of Litchfield and State of Connecticut, have invented a new and useful Rope-Holder, of which the following is a specification.

The invention relates to improvements in rope holders.

10 The object of the present invention is to provide a simple and inexpensive rope holder adapted for clamping an awning rope, hammock rope or the like, and for securing the same to a suitable support or the like, and capable of enabling such a rope to be readily released or adjusted as desired.

15 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

20 In the drawings—Figure 1 is a perspective view of a rope holder constructed in accordance with this invention and adapted for securing awning ropes and the like. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a perspective view of a rope holder adapted to secure a hammock rope or the like. Fig. 4 is a longitudinal sectional view. Fig. 25 5 is a perspective view of another modification showing a rope holder adapted especially for clothes lines. Fig. 6 is a longitudinal sectional view of the same.

30 Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a casing comprising a securing plate 2 provided at its ends with openings to receive screws or the like, and L-shaped flanges 3 and 4 arranged at the upper and lower ends of the plate, and having pivoted between them a bell-crank lever 4, and a roller 5. The bell-crank lever is fulcrumed at its angle by a pivot 6 and has its arm 7 adapted to engage a rope 8 to be clamped and having its other arm 9 adapted to be engaged by the rope, whereby the other arm is held in engagement with the rope. The arm 7 is provided with a curved foot 10 which is corrugated and is adapted to engage the rope, and the greater the strain upon the rope the

greater will be the force with which the arm 7 engages the rope, as the pull upon the rope will tend to draw the arm in the direction of the roller. The arm 9 is provided at its outer end with a rope receiving device 11 which consists of a curved piece of sheet metal, and which forms a bearing for the rope, and is provided with an extension 12. The arm 7 has its outer end bifurcated at 13, and has pivoted within the bifurcation a heel 14 of a lever 15, the outer portion of which is shaped into a handle. The heel 13 forms a cam, and when the handle portion of the lever is pulled down, the cam is brought into engagement with the rope, and lifts the arm 7 out of engagement with the same. The lever is adapted to raise the arm slightly to allow the rope to slip to any desired adjustment. The lower L-shaped flange is provided with a lip 17 extending upward and having a beveled inner edge to facilitate the insertion or removal of the rope.

75 Figs. 3 and 4 of the drawings illustrate a rope holder especially constructed for hammocks, and the like, and the casing is provided with a lateral extension 18 adapted to engage a hook or the like and being provided with an elongated opening to receive the same, whereby the holder may be detachably secured to a suitable support. The arm 9 is curved downward, and is provided at its outer end with a slightly different construction of rope receiving device from that shown in Figs. 1 and 2. The arm is provided with a perforation in which is journaled an open ring or band having parallel ends as shown to facilitate the insertion or removal of a rope.

85 In Figs. 5 and 6 of the accompanying drawings, is a rope holder adapted more especially for clothes lines, and is capable of allowing a line to sag considerably, and still securely hold the same. The arm which is engaged by the rope is constructed of two pieces, and has pivoted to its outer end a rope receiving device which consists of a downwardly inclined arm 20 having its lower end 21 forked or bifurcated to receive a rope. The arm 20 is adapted to be turned up to provide for a free insertion of a rope in the rope holder, and when in operative position it may be engaged by a rope even though the latter drops

considerably. This form of rope holder enables any slack in the line to be readily taken up, and it acts quickly in engaging and holding a line while adjusting the latter.

- 5 It will be seen that the rope holder is simple and comparatively inexpensive in construction, that it is adapted to fasten an awning rope, clothes line or the like, and is capable of permitting an adjustment of the same, and that a hammock rope or the like may be
10 securely clamped and detachably connected with a support.

What I claim is—

1. A rope holder comprising a casing consisting of a plate and L-shaped flanges arranged at the upper and lower ends of the plate and extending inward over the same, a roller journaled in the lower L-shaped flange and a bell-crank lever fulcrumed at its angle
20 in the upper flange and having both its arms depending from the top of the casing, one arm arranged adjacent to the roller to engage a rope, and the other arm provided at its outer end with a rope receiving device, substantially as described.

2. A rope holder comprising a casing, provided at the top and bottom with L-shaped flanges, a roller journaled at the lower end of the casing, a roller journaled in the lower L-shaped flange, a bell-crank lever fulcrumed at its angle in the upper flange of the casing and having both its arms depending from the top

of the casing and provided at the outer end of one arm with a curved corrugated foot adapted to engage a rope, and a rope receiving device secured at the outer end of the other arm and comprising a curved plate forming a bearing, and having an extension, substantially as described.

3. A rope holder comprising a casing, a bell-crank lever fulcrumed at its angle in the casing and having one arm arranged to engage a rope, and having its other arm arranged to be engaged by the rope, and a lever fulcrumed on the rope engaging arm, and having a heel adapted to engage the rope and raise the arm, substantially as described.

4. The combination of a casing having L-shaped flanges arranged at its ends, one of the flanges being provided with a curved lip, a roller arranged in the flange having the lip, a bell-crank lever fulcrumed at its angle in the other flange and having one arm bifurcated and having its other arm provided with a rope receiving device, and a lever pivoted in the bifurcation and adapted to engage the rope, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

GEORGE B. WARNER.

Witnesses:

THOMAS L. SHEA,
LOU H. WALDECKER.