

J. E. DILG.
 DEVICE FOR ATTACHING STAY ROPES TO TENT POLES.
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Fig. I.

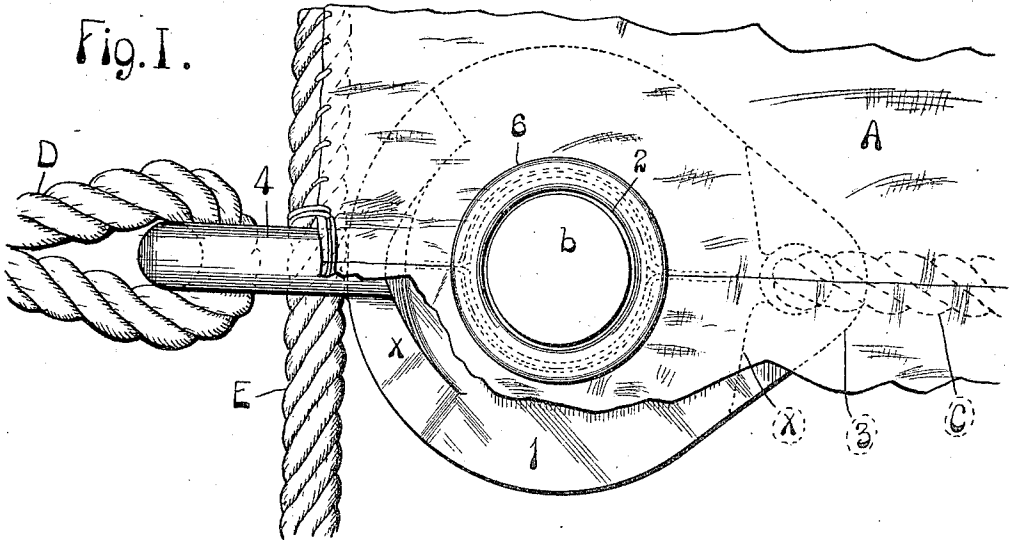


Fig. II.

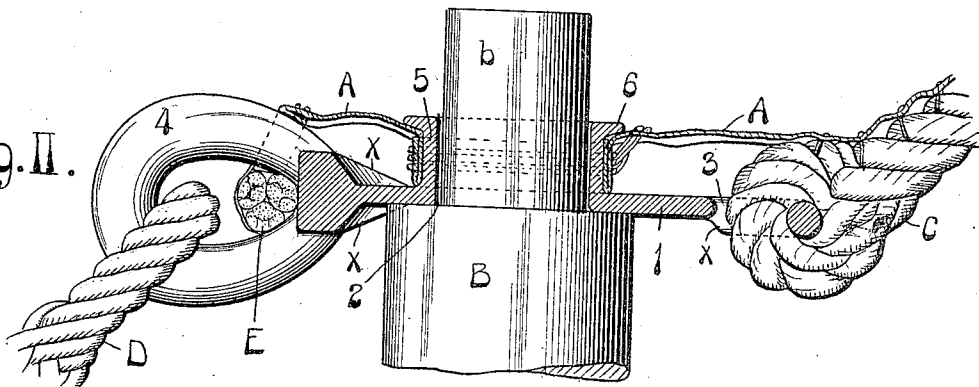
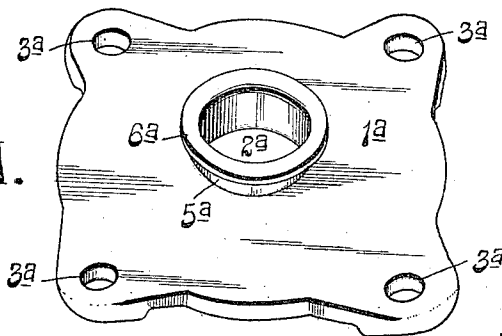


Fig. III.



Attest
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UNITED STATES PATENT OFFICE.

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DEVICE FOR ATTACHING STAY-ROPES TO TENT-POLES.

960,849.

Specification of Letters Patent.

Patented June 7, 1910.

Application filed January 3, 1910. Serial No. 536,049.

To all whom it may concern:

Be it known that I, JOSEPH E. DILG, a citizen of the United States of America, residing in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Devices for Attaching Stay-Ropes to Tent-Poles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an improved device providing for the attachment of stay ropes to the poles of tents.

Heretofore it has been the common practice to provide for the attachment of stay ropes to tent poles by producing loops of rope which are applied to tent poles and receive the stay ropes in order to provide for the several poles in the tents being properly sustained in upright positions, and it has further been a common practice to cover the loops of rope referred to with leather, or other suitable material. Attachment means of the kind referred to have, however, proven unsatisfactory for the reason that they become worn after a short time, due to friction between the attachments and the pole and due, furthermore, to the fact that the leather or similar covering becomes deteriorated after a short time, owing to the action of the elements thereupon, with the result not only of destruction of the coverings, but also destruction of the ropes in the loops and the surrounding portions of the tent canvas to such an extent as to render them useless, and occasion tearing of the tent canvas adjacent to the poles.

It is the object of my present invention to provide an attachment device that is strong and durable and in the use of which the stay ropes in tents and the canvas of the tents will not be injuriously affected by the attachments, and which attachments in themselves are of such nature as to withstand all possible wear to which they may be subjected, due to movement thereof upon the tent poles.

Figure I is a top or plan view of one of my attaching devices in place upon an eave pole of a tent, and the parts of the tent directly associated with said device. Fig. II is a vertical section taken through the device and parts shown in Fig. I. Fig. III

is a perspective view of one of my devices suitable for use upon a quarter pole, or ridge pole, of a tent.

In the accompanying drawings:—A designates a fragment of tent canvas and B is an eave pole for a tent having a reduced upper end or neck *b*.

C is a stay rope that may extend downwardly from either a quarter pole or a ridge pole in a tent and D is a stay rope extending upwardly from the ground.

E is an eave or runner rope attached to the eave edge of the tent canvas A.

1 designates my attaching device as a whole and which is in the form of a metal plate having an opening 2 extending approximately through the center thereof.

The attaching device comprises an eye 3 located at one of its ends and to which the stay rope C is applied, as seen most clearly in Fig. II, and a loop eye 4 at the opposite end of the device which receives the stay rope D, the eye 3 being arranged horizontally, while the loop eye 4 is arranged vertically. The loop eye 4 which, when the attaching device is mounted upon an eave pole and is located at the eave of the tent, also serves to receive the eave or runner rope E which, by passing through the loop eye is caused to be held in place by the attaching device.

The attaching device also comprises an annular vertical flange 5 that surmounts the plate of the attaching device at the location of the opening 2 therein and is provided at its upper end with an outwardly projecting bead 6. The flange 5 serves as a collar around the neck *b* of the tent pole around which the canvas of the tent top through which a perforation is made is tightly drawn by cord that may be wrapped around the canvas and the collar and which may also be utilized for the production of a seam or seams to unite the edges of the canvas at the location of the perforation in the tent top. The bead 6 acts to retain the canvas in position around the collar so that it may not slip upwardly on the collar with resultant dislodgment.

The attaching device is preferably reinforced at the junction of the eyes 3 and 4 with the body of the attaching device, as seen at *w*, to afford increased strength at these points, the reinforcement being obtained

by making the eyes thicker than the body device and providing gradual tapers leading from the eyes to the body of the device.

In Fig. III, I have shown a modification 5 or varied form of my attaching device suitable for use upon a quarter pole or ridge pole of a tent, this latter construction embodying the device proper 1^a having four corner eyes 3^a similar to the eye 3 in the previously described construction to which four 10 stay ropes may be secured. The device 1^a is provided with a central aperture 2^a and is surmounted by an annular flange 5^a having an outwardly extending bead 6^a, these 15 parts being similar to those in the construction previously described and being adapted to have the tent top fitted thereto, as in the first described construction.

It will be readily understood that either 20 of the attaching devices herein shown and described may play upon the necks at the upper ends of the tent poles to which they are fitted to any necessary degree without wear upon either the stay ropes or the canvas of the tent, and that, inasmuch as the 25 devices are made out of metal, which material

may also be utilized for the necks B of the tent poles, they are very durable.

I claim:—

1. A device of the character described, 30 comprising a plate provided with a perforation to receive a tent pole, and eyes to receive stay ropes, the plate having integral therewith a collar flange extending upwardly at the location of the tent pole receiving 35 perforation, around which a portion of a tent canvas may be secured.

2. A device of the character described, comprising a plate provided with a perforation to receive a tent pole, eyes to receive 40 stay ropes, and integral therewith a collar flange extending upwardly from said plate at the location of the tent pole receiving perforation, the said flange being provided at 45 its upper end with an outturned bead, and adapted to receive a portion of a tent canvas confined beneath said bead.

JOSEPH E. DILG.

In the presence of—

E. B. LINN,

H. G. COOK.