J. R. WOOD.

ROPE CLIP.

APPLICATION FILED FEB. 7, 1910.

1,002,893. Patented Sept. 12, 1911.

Fig. 1.

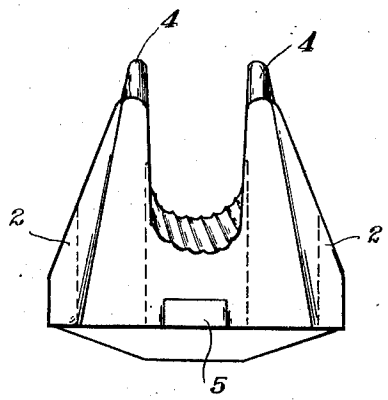


Fig. 2.

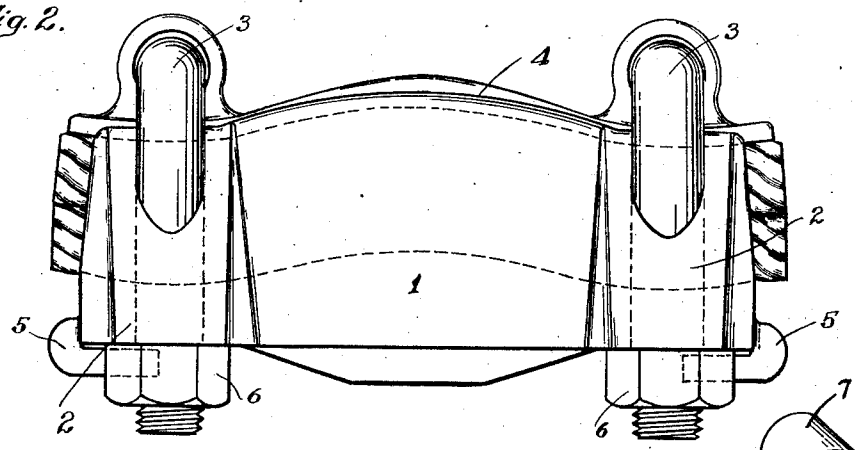
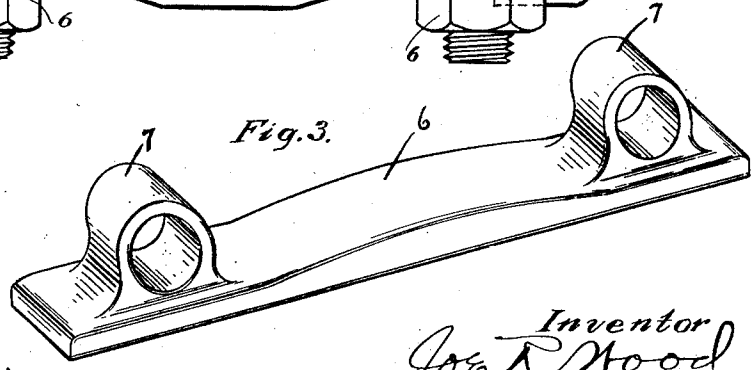


Fig. 3.



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ROPE-CLIP.

1,002,893. Specification of Letters Patent. **Patented Sept. 12, 1911.**

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To all whom it may concern:

Be it known that I, JOE R. WOOD, a citizen of the United States, and a resident of Cincinnati, county of Hamilton, and State of Ohio, have invented a certain new and useful Rope-Clip, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to a rope clip for use in connection with ropes and cables.

In the rope clips heretofore in use it is found that the rope or cable frequently slips, by reason of the fact that their construction offers no adequate grip on the cable, or because of the loosening of the nuts on the retaining bolt.

It is the object of my invention to remedy this defect, and to provide a rope clip which will rigidly hold the rope or cable under all conditions.

In the drawings: Figure 1 is an end elevation of my new rope clip. Fig. 2 is a side elevation of the same. Fig. 3 is an isometric view of the top plate.

The numeral 1 indicates the body portion of my clip, which is made of malleable iron or any other suitable material. The said body portion has a central longitudinal depression or groove for the receipt of the cable, as is clearly shown in Fig. 1. At each end of said body portion 1, and on both sides thereof, are the bosses 2—2, provided with holes through which the U-bolts 3—3 are inserted. The bottom of the depression in the body portion 1 may be provided with spiral corrugations as shown in Fig. 1. The depression in said body portion is shallower at the middle of its length and at the ends, and deepest at each binding point, or under each U-bolt, as shown by the lower broken line in Fig. 2. The body portion 1 has continuous high walls 4—4 between the binding points, to serve as a guard for the inserted rope or cable and to keep the same in alinement and the several folds thereof one on top of the other, to make use of the friction between contiguous lengths of said rope, which is of high efficiency by reason of the spiral lay of the rope strands.

At each end of the body portion 1 are the tongues 5—5 formed integrally therewith or separately made and attached as may be preferable, and so placed that when turned under, as shown in Fig. 2, the ends thereof will extend between the nuts 6—6 of the U-bolts. These tongues are of a width amply to fill the space between the two nuts on each bolt, and when turned down, after the said nuts have been screwed tight, they serve as nut-locks to prevent the nuts subsequently becoming loose.

To furnish additional gripping power, and to hold the cable down firmly against the bottom of the depression, I provide the top plate 6^a, equipped with the eyes 7—7 near each end for the insertion of the U-bolts, as shown in Fig. 2. The said plate is made of any suitable flexible metal and will conform to the lay of the rope as shown by the upper broken line in Fig. 2. It is obvious that no top plate is necessary, however, and the use of my new clip both with and without such top plate is contemplated.

From the foregoing description it will be apparent that a cable inserted in my new rope clip will be held at two separate binding points by individual U-bolts, between the top plate and the corrugated bottom of the depression, and that a binding force of extreme efficiency will be imparted to the fastening afforded by the clip by the increased elevation of portions of the bottom of said depression, particularly between said binding points, whereby said cable is caused to bend or buckle between said binding points and the continuous high walls by which the cable is held in vertical and longitudinal alinement between the binding points.

Having thus described by invention, what I claim as new and desire to secure by Letters Patent, is:

1. A rope clip comprising a body portion having a longitudinal depression adapted to receive a rope, a series of gripping members to hold said rope in said depression, said body portion being constructed to cause said rope to buckle between said gripping members and continuous walls between said gripping members to hold the several sections of said rope in vertical alinement.

2. A rope clip comprising a body portion

having a longitudinal depression adapted to receive a rope, a top plate adapted to fit over said rope, a series of gripping members to hold said rope in said depression, said body portion being constructed to cause said rope and said top plate to buckle between said gripping members and continuous walls between said gripping members to hold the several sections of said rope and said top plate in vertical alinement.

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Witnesses:
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