

(No Model.)

R. W. JONES.

ROPE CLAMP.

No. 301,819.

Patented July 8, 1884.

Fig. 1.

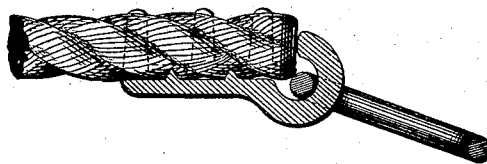


Fig. 2.

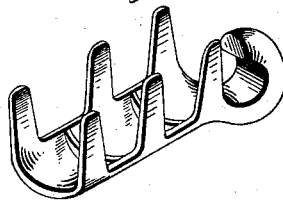


Fig. 3.

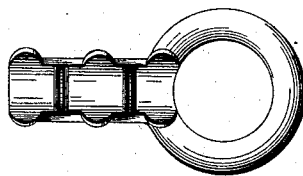
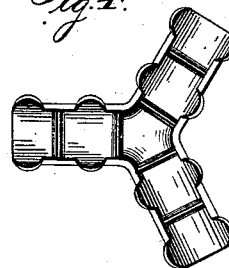


Fig. 4.



WITNESSES

W. A. Randle
Frank Clayton

INVENTOR

Richard W. Jones

UNITED STATES PATENT OFFICE.

RICHARD W. JONES, OF SYRACUSE, NEW YORK.

ROPE-CLAMP.

SPECIFICATION forming part of Letters Patent No. 301,819, dated July 8, 1884.

Application filed May 31, 1884. (No model.)

To all whom it may concern:

Be it known that I, RICHARD W. JONES, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in Rope-Halter Trimmings, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a vertical section showing one form of my invention, with a ring and a section of rope attached thereto. Fig. 2 is a perspective view of the clamp, formed with a hook on one end of it. Fig. 3 is a view in plan and perspective of the clamp with a ring formed in one end; and Fig. 4 is a like view of a modification.

My invention relates to rope-clamps; and it consists of a U-shaped metal plate provided with lugs or teeth projecting from its edges, and ribs or corrugations on its concave surface for holding the rope.

In the drawings, like letters of reference indicate corresponding parts in the different figures.

A represents the rope, and B is the clamp, which is formed of any suitable metal, and is substantially U-shaped or semi-tubular, and at its edges is provided with the lugs or teeth *a a*.

On the internal concave portion of the U-shaped plate I form the ribs or flanges *b b*. I get the best results and hold the rope most securely by forming the ribs on the plate or clamp intermediate the teeth, as the latter are in this instance bent over the rope between the ribs or corrugations, and the rope will break before it can be withdrawn. But I do not limit myself to this structure, as the ribs and teeth may be in line with each other, and good results be obtained thereby. The form first mentioned is shown in Figs. 1 and 2, and that last referred to in Figs. 3 and 4.

The clamp-plate may be formed with either a hook, C, or ring D on one of its ends, and both are represented in the drawings. When the clamp is made with a hook, as in Fig. 1, a loose ring, A', is slipped onto the hook. The rope is laid in the concave part of the clamp, the end of the rope being adjacent to hold end of the hook to hold the ring in place. The teeth or lugs are bent down over the rope, and

it will be found impossible to remove the rope without cutting it or bending back the teeth on the clamp. When the clamp is formed with the ring D instead of the hook, the loose ring is of course omitted.

When it is desired to clamp two ropes at right angles or nearly so to each other, I use the form of the device shown in Fig. 4, which has the same form of teeth and ribs and in the same relation to each other, but the clamp-plate, instead of being a straight one, consists of a T or Y shaped plate. In this instance one of the ropes is passed through the concave portion of the clamp in one direction, and the other at right angles or nearly so, and the teeth are bent down over the ropes as before.

If it is desired to splice two ropes or pieces of rope together end to end, the hook and ring are dispensed with, and a simple straight clamp with the ribs and teeth is used.

My invention is particularly useful in the construction of rope halters, but it is well adapted for other purposes, and I do not limit myself in its use.

I am aware that it is not novel to provide a rope-clamp with teeth on its edges, nor with teeth on its internal concave surface, and such I do not claim as my invention; but

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

1. A rope-clamp consisting of a U-shaped metal plate having teeth or lugs on its edges and ribs or corrugations on its internal concave surface, substantially as set forth.

2. A rope-clamp consisting of a U-shaped metal plate having teeth or lugs on its edges and ribs or corrugations on its internal concave surface intermediate the teeth, substantially as set forth.

3. The combination of a metallic concave clamp having teeth on its edges, ribs or corrugations on its concave surface, and a hook on one end, of a rope clamped between the lugs and ribs, with its end adjacent to the end of the hook, and a loose ring inserted in the latter, substantially as described.

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

RICHARD W. JONES.

Witnesses:

W. F. PARDEE,
FRANK CLAYSON.