

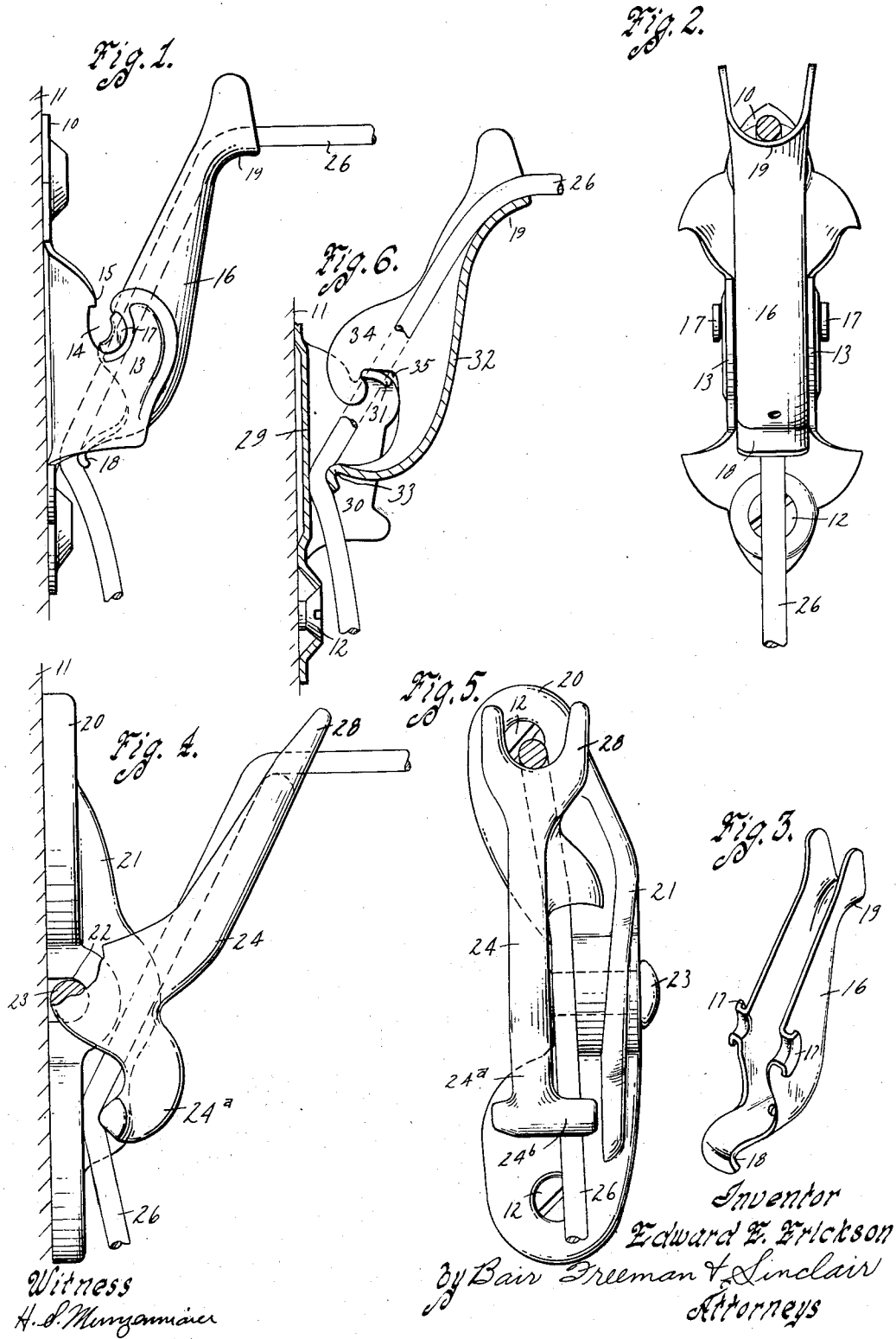
Aug. 8, 1933.

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1,921,286

ROPE CLAMP

Filed July 25, 1932



# UNITED STATES PATENT OFFICE

1,921,286

## ROPE CLAMP

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Application July 25, 1932. Serial No. 624,480

2 Claims. (Cl. 24—133)

My invention has to do with a rope clamp particularly adapted for use in putting up clothes lines and the like.

The object of my invention is to provide a clamp by which one end of a clothes line or other rope may be quickly and easily fastened, and which can be utilized in such a way as to quickly and easily tighten the rope, if it should become loose.

More particularly, it is my object to provide a clamp of the kind under consideration, comprising a base member adapted to be rigidly mounted on a support and also a clamp member adapted to be pivotally connected with the base for cooperation therewith.

With these and other objects in view, my invention consists in the construction, arrangement and combination of the various parts of my rope clamp, whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawing, in which:

Figure 1 is a side elevation of a rope clamp embodying my invention.

Figure 2 is a front elevation thereof.

Figure 3 is a perspective view of the clamp member shown in Figures 1 and 2.

Figure 4 is a side elevation of another form of my rope clamp.

Figure 5 is a front elevation of the form of clamp illustrated in Figure 4; and

Figure 6 is a vertical, central sectional view of a different form of my rope clamp.

It is well known that considerable difficulty is encountered in putting up a clothes line and in keeping the line tight after it is up. I have provided a clamp for meeting objections, which will now be described.

In the drawing herewith, the device illustrated in Figures 1, 2 and 3 is provided with a base plate indicated in the drawing by the reference numeral 10. This base plate is usually fastened in vertical position to a post or other support 11 by means of screws or the like 12.

The plate 10 has outwardly projecting parallel ears 13. In the form of the invention disclosed in Figures 1, 2 and 3, the ears 13 have opposite slots or recesses 14 in their upper portions. These slots 14 have restricted necks 15. The plate 10 projects upwardly and downwardly beyond the ears 13.

For cooperating with the fixed base just described, I have provided a movable clamp comprising a channel-shaped member 16. The side walls of the clamp member 16 have spaced op-

posite projecting bearing spindles or the like 17, arranged to slide through the narrow necks 15 of the slots 14 and to be journaled in said slots.

The lower end of the channel-shaped clamp member 16 projects downwardly beyond the bearing members 17 as indicated at 18 in Figure 1.

At what may be called the upper end of the channel clamp 16, it is bent outwardly as indicated at 19 and forms a guide between the two side walls. This clamp member is quite well illustrated in Figure 3.

In Figures 4 and 5, I have shown a slightly different form of my rope clamp. It might be said that the form shown in Figures 1, 2 and 3 and the form shown in Figure 6 hereinafter to be described refer to forms of the device conveniently manufactured by means of dies. The form shown in Figures 4 and 5 is preferably cast.

In this form, there is provided a base 20 having a horizontally extending flange 21. The under face of the base 20 is grooved to form a journal 22. A short shaft 23 is journaled in the journal 22. On this shaft is fixed a clamp 24, one end of which is curved as shown at 24a to form a clamp element for the rope 26. This end projects downwardly and is adapted to contact with the lower part of the plate 20. The other end of the clamp member 24 extends upwardly and terminates in a forked member 28 and serves as a guide for the rope.

The curved end 24a has a laterally projecting part 24b for gripping the rope. The base 20 has a rib 21, which serves to hold the rope in place when it is not tightly gripped by the clamp member.

In Figure 6, I have shown still a different form of my invention.

In this form of my device, the base 29 is very similar to the base 10. It has spaced vertical ears 30 which carry the in-turned pintles 31 at their upper ends. The clamp member 32 is channel-shaped with a projecting clamping end 33 at its lower part and with a curved portion 19 at its other end, which together with the walls of the channel at that end forms a guide for the rope 26. The channel clamp member 32 has the side ears 34 between its ends. The lower part of these ears are provided with slots 35 to receive the in-turned pintles 31.

I have shown several forms of my invention simply to illustrate the fact that it can be embodied in a number of different forms. The ones shown are not intended to be exclusive, but

other forms can be made and still remain within the scope and spirit of my invention.

In the use of the device herein described, the rope is inserted between the base and the clamp member. In the case of the forms shown in Figures 1 and 6, the clamp member may be removed for this purpose. When the far end of the rope is fastened, and the rope is then pulled, the weight of the rope acting on the upper end of the clamp member swings it away from the base and causes the clamping lower end of the base to grip the rope against the base with clamping action. The rope can be tightened simply by pulling on the end below the clamping device.

I claim as my invention:

1. In a device of the class described, a base and a clamping member, said base having spaced projecting ears with upwardly opening slots in their upper ends formed with restricted necks to permit assembly with and disassembly from the clamping member, and to prevent accidental disassembly, a channel-shaped clamping member having laterally projecting spindle elements received in said slots, said elements each

having one transverse dimension greater than the width of said necks and said member having a downwardly projecting end for gripping a rope against the base, and an upwardly projecting end forming a guide for a rope.

2. In a device of the class described, a base and a clamping member, said base having spaced projecting ears with upwardly opening slots formed with restricted necks to permit assembly with and disassembly from the clamping member and to prevent accidental disassembly, a clamping member having laterally projecting spindle elements adapted to be inserted through said necks and to project laterally through the slots and being of greater width than thickness and so located and of such width that the spindle element can be removed from the slots only when the upper part of the clamping member is first moved to position adjacent the base, said clamping member having a downwardly projecting end for gripping a rope against the base and an upwardly projecting end forming a guide for a rope.

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