May 29, 1934. H. E. SCHRADER 1,961,081

ROPE AND CABLE HOLDER

Filed Jan. 17, 1933

Fig. 1.

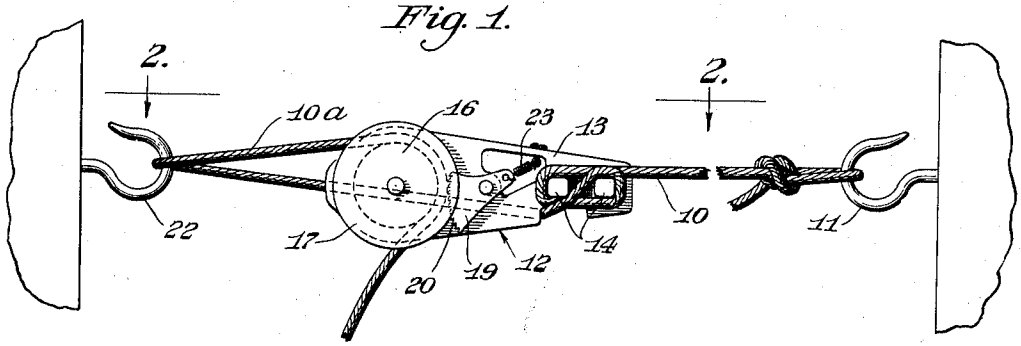


Fig. 2.

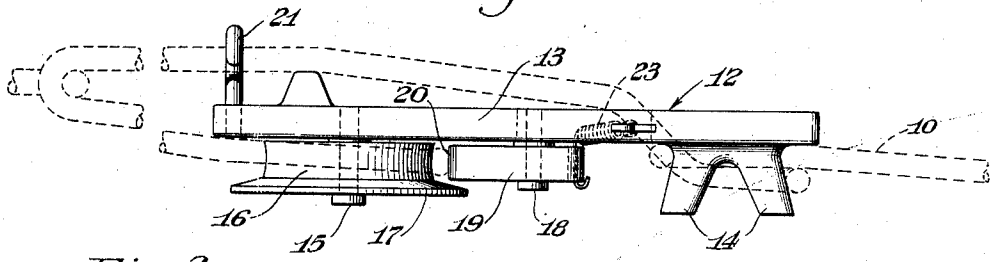


Fig. 3.

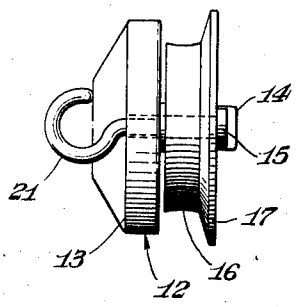
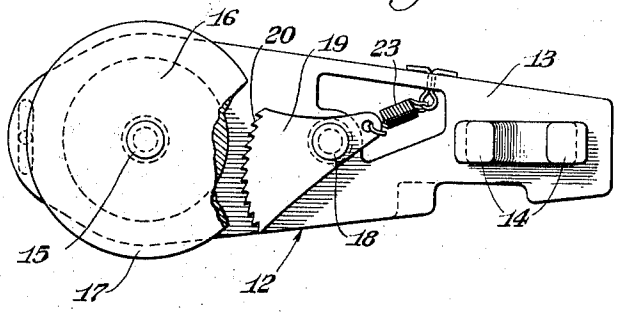


Fig. 4.



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ROPE AND CABLE HOLDER

Herbert E. Schrader, Lombard, Ill.

Application January 17, 1933, Serial No. 652,240

3 Claims. (Cl. 24—134)

This invention relates to certain novel improvements in rope and cable holders, and has for its principal object the provision of an improved construction of this character which will be highly efficient in use and economical in manufacture.

One of the objects of my invention is to construct a device of the above-named character for supporting one end of a clothes line or other rope or cable, whereby the line may be drawn tightly and securely held in such tightened condition, and yet may be quickly released from the holder.

Another object of the invention is to construct a device of the above-named character which may be quickly attached to and detached from a support without tying knots in the rope or cable; in the use of which the rope or cable may be slipped into and out of the pulley embodied in the device from the side thereof without being paid through the pulley as in the prior art devices.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing, showing the preferred form of construction, and in which:

Fig. 1 is a side elevational view of the invention;

Fig. 2 is a top plan view on line 2—2 in Fig. 1;

Fig. 3 is an end elevational view; and

Fig. 4 is a side elevational view of the new holder detached from the rope or cable and with a part of the pulley broken away.

In the drawing, which illustrates a preferred form of the new holder, a rope or cable such, for example, as a clothesline, is indicated at 10 and the same is attached at one end to a support 11. The new holder is generally indicated at 12 and includes a body or plate 13 having a pair of spaced binding posts 14 projecting laterally therefrom adjacent one end of the same.

Rotatably mounted on the body 13 by means of a pintle 15 is a rotor or pulley 16 which has an annular peripheral flange 17 formed on the outer edge thereof, that is, the edge opposite the body 13.

Pivotally mounted on the body 13 by means of a pintle 18 is a cam 19 which has a toothed gripping face 20 facing the pulley 16.

Projecting laterally from the body 13 at the side thereof opposite the pulley or rotor 16 is a guiding element in the form of a hook 21.

The new device does not require the cutting of the rope or cable 10 for its installation, as do some of the prior art devices. In use the rope 10 is first snubbed around the binding posts 14 in the manner shown in Fig. 1 and is then paid along the outside of the body 13 (Fig. 2) through the guide 21 and around the support 22, after which the rope or cable 10 is paid back over or around the pulley 16; the gripping face 20 of the latching cam 19 being urged against the rope 10 by a spring 23 which has one end attached to the cam and its other end attached to the body 13. The gripping face 20 of the cam is thus arranged against the rope and binds or latches the same against the pulley 16.

To tighten the rope or cable 10 it is merely necessary to pull on the free end of the same (Fig. 1) and when released the cam 19 binds or grips the rope in the desired adjusted position.

The strand 10*a* of the rope or cable 10 may be readily paid over the pulley 16 since there is no guiding eye through which this strand 10*a* must be paid. Thus the rotor or pulley 16 will accommodate ropes or cables 10 of different diameters and it is not necessary to cut or sever the rope or cable 10 to install the new holder.

It is to be noted that when the operator pulls on the free end of the rope (Fig. 1), the rope is tightened about the snubbing means 14 so that the one act of pulling on the free end of the rope effects not only the latching of the rope relative to the pulley but also the snubbing of the rope about the snubbing means 14 on the body 13.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification, without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. A rope and cable holder, comprising the combination of a body, a pulley rotatably mounted on said body, a cam pivotally mounted on the body having a gripping face, a spring having one end attached to the body and its other end attached to the cam and urging the gripping face of the cam toward the rotor and into gripping engagement with a cable paid thereover, and snubbing means on said body adapted to have the cable snubbed therearound from one side.

2. A rope and cable holder, comprising the combination of a body, a pulley rotatably mounted on said body, a cam pivotally mounted on the body having a gripping face, and snubbing means on said body adapted to have said cable snubbed therearound.

3. A rope and cable holder, comprising a body, a pulley rotatably mounted on said body, a cam pivotally mounted on the body having a gripping face, and snubbing means on said body adapted to have a rope or cable snubbed therearound whereby to secure the holder to said cable, said snubbing means consisting of spaced elements projecting from said body at one side of said cam adapted to have said rope or cable passed therearound.

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