S. HAVERLY.

CABLE ROLLER.

APPLICATION FILED OCT. 26, 1909.

964,019. Patented July 12, 1910.

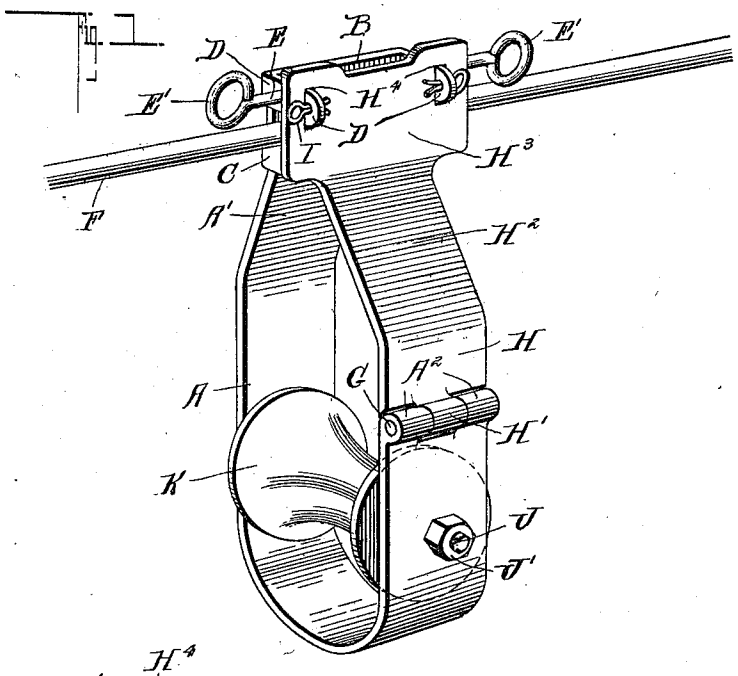


Fig. 2.

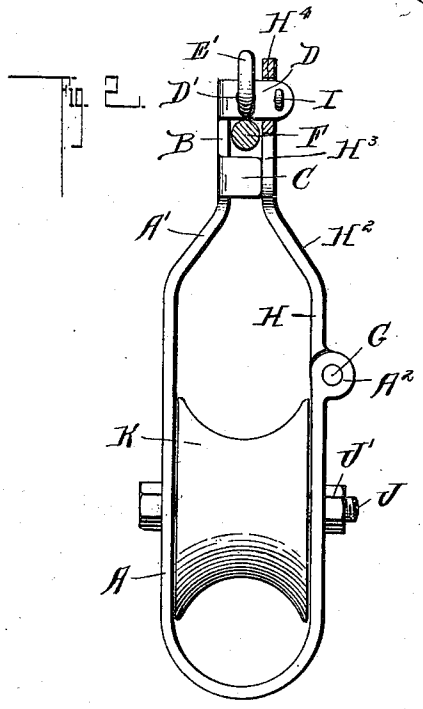
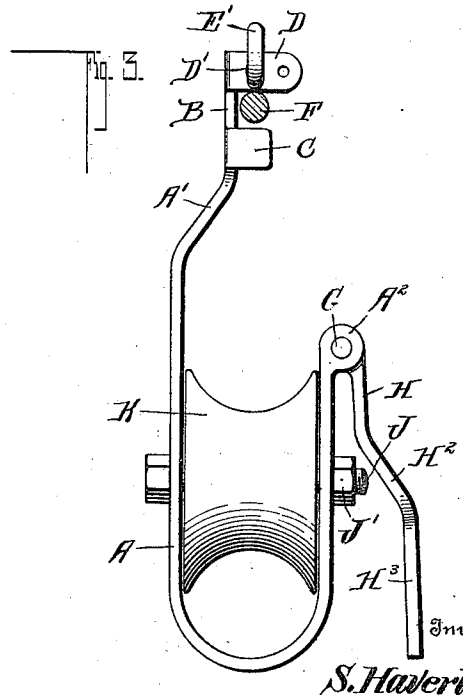


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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CABLE-ROLLER.

964,019. Specification of Letters Patent. Patented July 12, 1910.

Application filed October 26, 1909. Serial No. 524,617.

To all whom it may concern:

Be it known that I, SIDNEY HAVERLY, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented a new and useful Improvement in Cable-Rollers, of which the following is a specification.

This invention relates to certain new and useful improvements in my allowed application, Serial Number 454,379, the object being to improve the general construction of the roller whereby the same can be placed upon the supporting cable or detached therefrom with greater ease than in my former application.

Another object of my invention is to provide means for locking the hinged portion of the cable supporting frame to the fixed portion whereby the hinged portion will be firmly locked in position so that all danger of the same working loose is prevented.

A further object of my invention is to provide a cable roller which is so constructed that the same can be moved freely up and down on the cable so as to place the same in the desired position to support the lead wire.

With these objects in view, my invention consists in the novel features of construction hereinafter fully described, pointed out in the claims and shown in the accompanying drawings, in which:

Figure 1 is a perspective view of my improved cable roller showing it in position upon a cable. Fig. 2 is an end view of the same showing the cable in section, and Fig. 3 is a similar view showing the hinged member of the frame thrown down to enable the lead wire to be placed upon the roller.

In carrying out my improved invention, I employ a hook shaped frame A which is provided with an inclined portion A′ terminating in a substantially T-shaped head member B which is provided with spaced lugs C and D at its end formed by reducing the ends centrally and bending the portions at right angles to the head. The lugs D are provided with apertures D′ in which is loosely mounted a rod E provided with eyes E′ at its ends to which are adapted to be connected ropes for drawing the frame along on the supporting cable F which passes between the lugs C and D as clearly shown and as will be hereinafter fully described.

The lower end of the hook shaped frame A is provided with eyes A^2 through which extends a pintle pin G on which is pivotally mounted between the eyes A^2 the eye H′ of the hinged section H forming the other side of the frame which is also provided with an inclined portion H^2 terminating in a substantially T-shaped head H^3 having slots H^4 formed therein through which are adapted to pass the lugs D which are provided with apertures at their ends through which pass cotter pins I for locking the head H^3 against the end of the lugs C in such a manner that the cable F will be held between the heads of the respective members of the frame in such a manner that the frame can be moved thereon.

Extending through the lower portion of the hook-shaped frame A is a shaft J carrying a roller K for supporting the lead wire, not shown, said shaft J being locked therein by a nut J′, and it will be seen that when the hinged section of the frame is thrown down into position as shown in Fig. 3, the lead wire can be readily placed upon the roller K or removed therefrom. It will be seen that by this construction the cable roller can be readily drawn upon the cable by the ropes to the desired position after the lead wire has been placed upon the roller and by the weight of the lead wire it will be held in its adjusted position.

From the foregoing description, it will be seen that I have provided a cable roller which is exceedingly simple and cheap in construction and one in which the parts are so connected that they will be firmly held in their proper positions without any danger of the parts becoming detached, accidentally.

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

1. A cable roller comprising a hook-shaped frame having a T-shaped head at its upper end, lugs extending outwardly from said head of different lengths, a rod mounted in the upper lugs provided with eyes, a roller mounted in the lower portion of said frame, a hinged section connected to the lower end of said frame provided with a T-shaped head, said head being provided with slots to receive the upper lugs of the head of the frame, and means for locking said lugs in said slots.

2. In a device of the kind described, the combination with a hook-shaped frame having a T-shaped head portion, of lugs extending outwardly from said T-shaped head portion, a hinged section connected to the lower

end of said frame provided with a T-shaped head portion, slots formed in said head portion to receive the upper lugs of the T-shaped head of the frame, said lugs being provided with openings, cotter pins extending through said openings for locking said lugs therein, and a rod mounted in said lugs provided with eyes at its ends.

3. In a device of the kind described, the combination with a hook-shaped frame provided with a T-shaped head, of a shaft mounted in the lower end of said frame carrying a roller, spaced lugs extending outwardly from said T-shaped head of different lengths, a rod mounted in the upper lugs provided with eyes at its ends, said upper lugs being provided with apertured ends, a hinged section connected to the lower end of said frame provided with a T-shaped head having slots to receive said upper lugs, said head resting against the lower lugs and cotter pins extending through the apertures of said upper lugs for locking said hinged section in position.

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Witnesses:
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