

C. W. OTT.
 REEL FOR CLOTHES LINES.
 APPLICATION FILED FEB. 28, 1911.

1,020,440.

Patented Mar. 19, 1912.

Fig. 1.

Fig. 3.

Fig. 2.

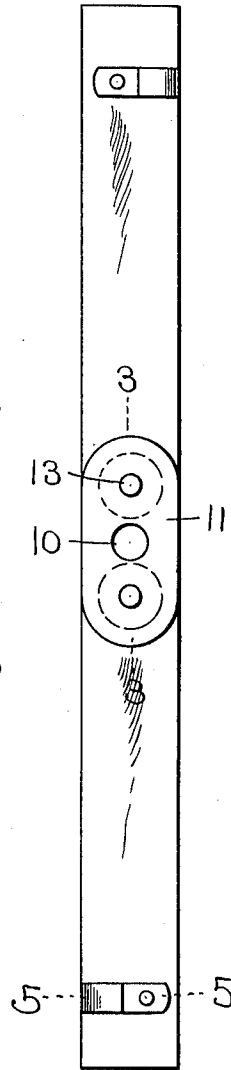
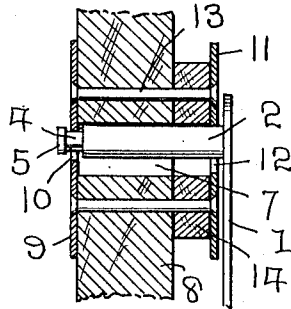
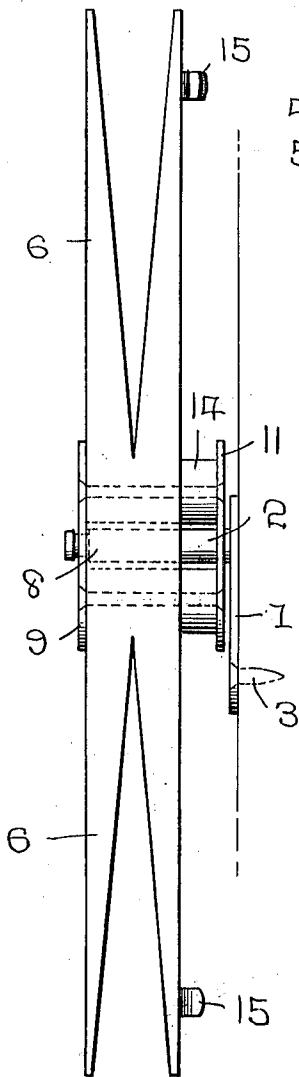


Fig. 4.

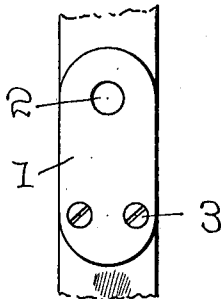
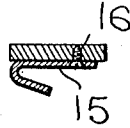


Fig. 5.



WITNESSES:

Thomas W. Riley
 M. Newcomb

C. W. OTT INVENTOR

BY W. J. Fitzgerald
 Attorneys

UNITED STATES PATENT OFFICE.

CHARLES W. OTT, OF PITTSBURG, KANSAS.

REEL FOR CLOTHES-LINES.

1,020,440.

Specification of Letters Patent.

Patented Mar. 19, 1912.

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To all whom it may concern:

Be it known that I, CHARLES W. OTT, a citizen of the United States, residing at Pittsburg, in the county of Crawford and State of Kansas, have invented certain new and useful Improvements in Reels for Clothes-Lines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to reels adapted to be used for winding the end of a clothes line and taking up the slack in the latter.

An object of the invention is to provide a reel which may be secured to a post or part of a building and which will effectively serve to take up the slack in a clothes line.

Another object is to provide a device of this character which is so constructed that as the rope is wound thereon the device will catch automatically upon a portion of the line to prevent the reel from turning in a direction which would allow the line to unwind therefrom.

Another object is to provide a reel of this character which is constructed in such a manner that it is impossible for the reel to be placed upon its support in any but the proper position.

A further object is to provide a reel and support therefor of novel form, said reel and support being so constructed that the former may be readily removed from this support whenever desired.

Other objects and advantages will be hereinafter set forth and pointed out in the specification.

In the accompanying drawings which are made a part of this application, Figure 1 is a side elevation of the reel and support secured to a suitable post. Fig. 2 is a front elevation thereof. Fig. 3 is a fragmentary sectional view through the central portion of the device, taken on line 3—3 of Fig. 2. Fig. 4 is a detail view of the bracket secured to a suitable support, and, Fig. 5 is a detail sectional view on the line 5—5 of Fig. 2.

Referring more particularly to the drawings, 1 represents the bracket or securing plate having riveted thereto the supporting pin 2. The plate 1 is adapted to be secured to the side of a building, post or other suitable support by means of screws or other

fastening means 3. The pin 2 is provided near its outer end with the reduced neck portion 4, on the other end of which is formed a head 5, said head having a diameter greater than that of the neck 4, but slightly less than the diameter of the body portion of the pin 2. The purpose of this construction will be later described.

The reel is formed of a rectangularly shaped member having its opposite ends bifurcated to form the V-shaped legs 6, having the V-shaped slots therebetween. The rectangular member is provided with a transverse passage 7 through the central portion 8 thereof, said passage extending at right angles to the V-shaped slots. Upon one face of the rectangular member is secured a bearing plate 9 having a central aperture 10 in alinement with the passage 7, but slightly smaller than the latter. Opposite the plate 9 is a second plate 11 having a similar passage 12, said passage 12 being of a size approximately the same as the diameter of the passage 7, the purpose of which will later appear. The plates 9 and 11 are connected by means of pins or rivets 13 passing through the body portion 8 of the rectangular member upon opposite sides of the passage 7. The plate 11 is spaced from the central or body portion 8 by means of the spools 14 mounted upon the rivets 13.

The reel is placed upon the pin 2 with the plate 11 toward the plate 1, said pin passing through the plate 11 and the central portion 8 of the reel and the head thereof passing through the plate 9. The pin is of such length that when the reel is in position thereupon the neck portion 4 rests within the aperture 10 of the plate 9, the head 5 extending through said plate.

It will be seen that owing to the diameters of the various portions of the pin and the small opening in the plate 9, it would be impossible to force the reel upon the pin in any position except that just described.

Upon the faces of the forked members 6 toward the plate 11 are positioned, adjacent the outer ends of said forked members, the catch or latch members 15, which are formed by being bent upon themselves, as clearly illustrated in Fig. 5, and are secured upon said forked members by securing screws or other suitable means 16.

In use, the device being secured in the manner shown in Fig. 1, the end of the rope

or line is secured within one of the V slots and the reel rotated to wind the line thereupon until nearly all of the slack in said line has been taken up by the winding, at 5 which time the rope is guided to the rollers or spools 14 and the winding process completed. At each half revolution of the reel the latches or catches 15 will catch upon the straight portion of the line adjacent the 10 reel, and will thereby prevent any backward rotation of the reel. As the rope tightens upon the reel, the latter will be drawn against the pin 2 causing a portion of the bearing plate 9 to press tightly 15 against a portion of the neck 4 and thus prevent the reel from slipping outwardly past the head 5 of the pin.

It is evident that the line may be wound upon the reel either while the latter is upon 20 the pin 2 or while being held within the operator's hands. If held by the operator during the winding or unwinding operations, the operator grasps the reel by the plates 9 and 11 and the central portion 8 of 25 said reel to rotate the latter. Thus it will be seen that the plates 9 and 11 and the rollers 14 may serve the double purpose, that of securing members and of grasping members or holding portions.

From the foregoing it will be seen that I 30 have provided a reel and support which may be used for winding or unwinding clothes lines, or in fact any rope or cable desired, said reel and reel support being of 35 novel construction, positive in operation and cheap to manufacture.

It is evident that the line may be easily wound upon the reel and taken in when 40 used. The plate 11 projects beyond the spools far enough to form a flange to keep the rope on spools. The spools form a sort of drum around which to wind the rope, forming a big leverage on which to tighten 45 the rope after the slack has been taken up on the larger or reel part.

In use, the supporting part is preferably placed about waist high from the 50 ground, the intention being to place a hook immediately above the reel—the height from the ground it is desired to have the hook—and hooks placed wherever rope is

to go so that it can all be made tight by means of the reel.

What I claim is:

1. A reel and support comprising forked 55 portions and a body portion having a passage therethrough, a bracket adapted to be secured to a support, said bracket having an outwardly extending portion adapted to receive the said reel, means for preventing 60 the reel from working off of said bracket, means carried by the forked portions of the reel for engagement with a rope being wound thereupon to prevent rotation of said reel in one direction, a bearing plate 65 between said reel and said bracket, spacing rollers spacing said plate from said reel, and means for securing said plate and said rollers in position.

2. A reel and support comprising in com- 70 bination forked, straight, pointed legs extending from a central body portion, said forked portions having V-shaped slots therebetween adapted to receive the end of a line, bearing plates upon opposite sides of said 75 body portion, one of said plates being spaced from said body portion, means for spacing said plate from said body portion, a passage through said body portion at right angles to said V-shaped slots, commu- 80 nicating passages through said plates communicating with said passage through said body portion, a bracket adapted to support said reel, said bracket consisting of a plate 85 secured to a stationary support, a pin secured to said plate and extending outwardly therefrom, said pin being adapted to be engaged through said passages, one of the plates serving to prevent the reel from 90 working off of said pin when a line is wound upon said reel, and means carried by said legs of the reel upon their faces toward the spaced plate to engage said line at each half revolution of said reel to prevent backward movement of the latter. 95

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES W. OTT.

Witnesses:

MILTON DAVIES,
A. T. YARCHIO.