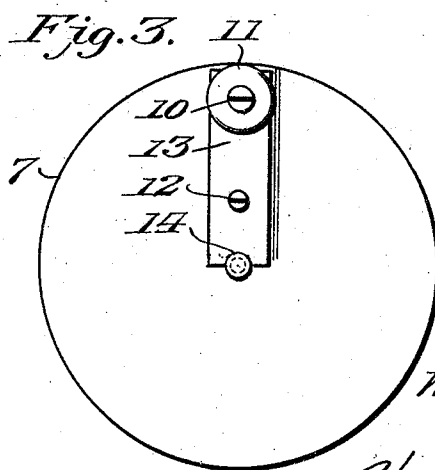
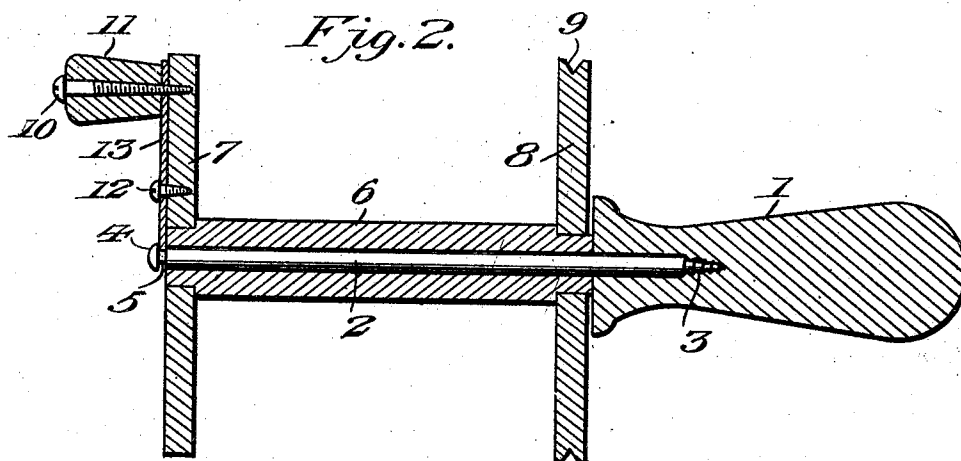
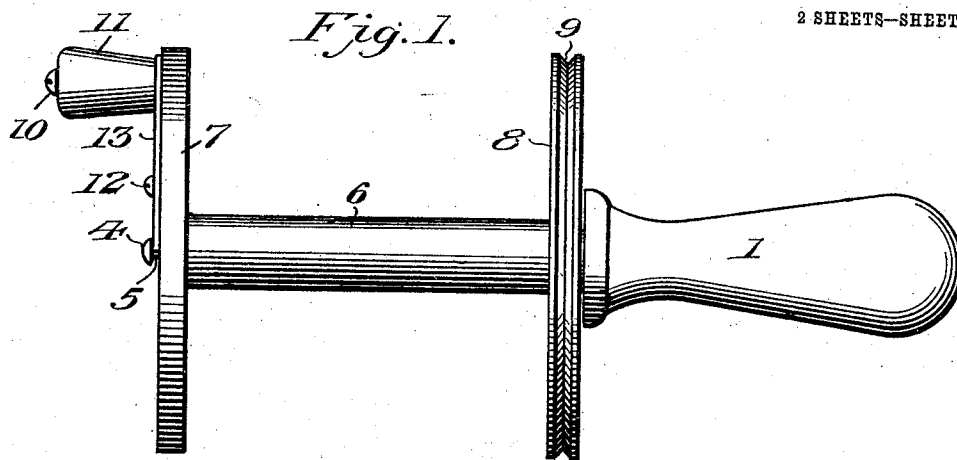


No. 823,931.

PATENTED JUNE 19, 1906.

W. J. CONNELL.
CLOTHES LINE REEL.
APPLICATION FILED APR. 3, 1905.

2 SHEETS—SHEET 1.



Witnesses

E. S. McKee
A. J. Elmore

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William J. Connell

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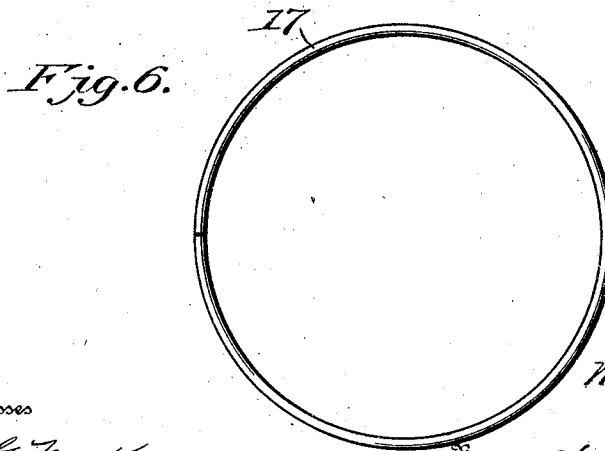
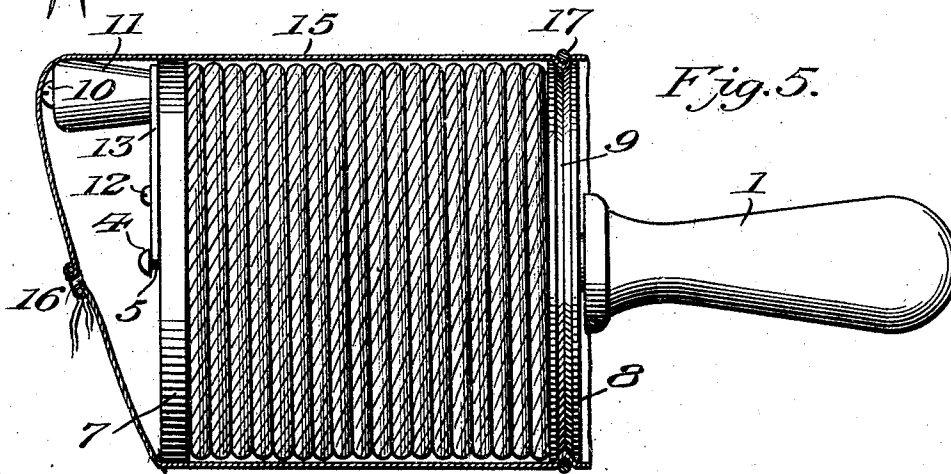
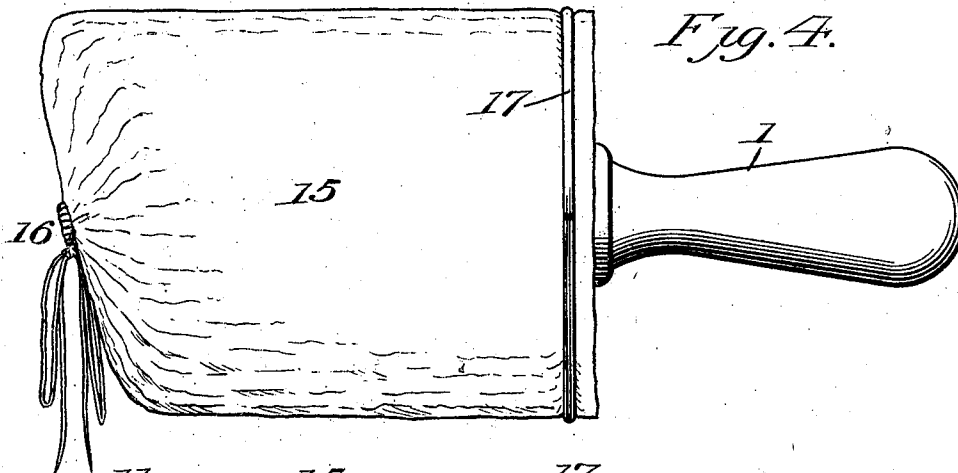
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

WILLIAM J. CONNELL, OF HUNTINGTON, WEST VIRGINIA.

CLOTHES-LINE REEL.

No. 823,931.

Specification of Letters Patent.

Patented June 19, 1906.

Application filed April 8, 1905. Serial No. 253,512.

To all whom it may concern:

Be it known that I, WILLIAM J. CONNELL, a citizen of the United States, residing at Huntington, in the county of Cabell and State of West Virginia, have invented new and useful Improvements in Clothes-Line Reels, of which the following is a specification.

This invention relates to clothes-line reels, and has for its objects to produce a comparatively simple inexpensive device of this character which may be readily handled and manipulated for winding or unwinding the line, one in which the reel will rotate freely upon its shaft, and one wherein endwise movement of the reel is prevented.

A further object of the invention is to provide a simple and efficient fastener for securing the reel in position upon the shaft and a protecting-cover which may be applied to and removed from the reel and will when in position upon the latter protect the line from dust and the like.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is an elevation of a reel embodying the invention. Fig. 2 is a longitudinal section there-through, the section being taken on a line centrally through the reel-operating crank. Fig. 3 is a front end elevation of the reel. Fig. 4 is a view in elevation showing the protecting-cover applied to the reel. Fig. 5 is a similar view showing the cover in section. Fig. 6 is a detail view of the clamping-ring.

Referring to the drawings, 1 designates a handle, into which is screwed a metal rod or shaft 2, having its handle-engaging end threaded, as at 3, and provided at its outer end with a head 4 and a reduced portion or neck 5. Rotatively mounted on the shaft 2 is a reel comprising a body portion or core 6 and end members or heads 7 and 8, of which the latter is provided with a peripheral depression or groove 9 for a purpose which will hereinafter appear, there being attached to the head 7 by means of a pintle or screw 10 a crank-handle 11, which is rotative upon its axle and through the medium of which the reel may be rotated upon the shaft 2. Attached to the head 7 by means of the screw 10 and an auxiliary fastening member or screw 12 is an engaging member or plate 13, provided

at its inner end with a semicircular recess or seat 14, designed to fit upon the reduced portion or neck 5 of the shaft and acting in conjunction with the head 4 to prevent endwise movement of the reel upon the shaft, the member or plate 13 subserving the further function of a bearing to facilitate free rotation of the reel upon its shaft.

In practice when it is desired to wind a line upon the reel the operator grasps the handle 1 with one hand and with the other rotates the reel upon its shaft through the medium of the crank-handle 11, it being apparent that the line may be readily drawn from the reel for use when desired. It is to be observed in this connection that the member or plate 13 serves to prevent endwise movement of the reel and as a bearing for the latter during rotation and at the same time as a lock to prevent escape of the reel from the shaft, and, further, that the screw 10 subserves the dual function of a pintle on which the handle 11 rotates and a fastening means for securing the member or plate 13 in place.

When wound upon the reel and not in use, the line is protected from dust and other impurities by means of a covering 15, which, as illustrated in Figs. 4 and 5, is in the form of a sack composed of canvas or other suitable material and having one of its ends closed by means of a draw-string 16 and its other end clamped to the reel-head 8 by means of a spring clamping ring or member 17, designed to fit and seat in the groove 9, it being apparent from this arrangement that the covering may be readily removed from the reel by first removing the ring 17. It is also obvious that the end of the sack which is closed by the draw-string 16 may, if desired, be readily opened and folded backward upon the reel to thus expose the latter without complete removal therefrom.

From the foregoing it is apparent that I have produced a simple inexpensive device which in practice will admirably perform its functions to the attainment of the ends in view, it being understood that minor changes in the details herein set forth may be resorted to without departing from the spirit of the invention.

Having thus described my invention, what I claim is—

In a clothes-line reel, a handle, a shaft carried thereby, a reel rotatively mounted on the shaft and comprising a body portion and end

heads, one of the heads being provided with a marginal groove, means for removably securing the reel upon the shaft, a flexible cover for the reel, a spring clamping-ring for detachably securing the cover in position upon the reel, said ring being adapted to fit within the groove, the cover having an open outer end, and a running-string for normally closing said outer end of the cover, the latter be-

ing adapted to be thrown backward to permit of access being readily had to the line.

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

WILLIAM J. CONNELL.

Witnesses:

W. D. CONNELL,

M. B. HENDERSON