

(No Model.)

J. BROWN.  
CLOTHES DRIER.

No. 526,889.

Patented Oct. 2, 1894.

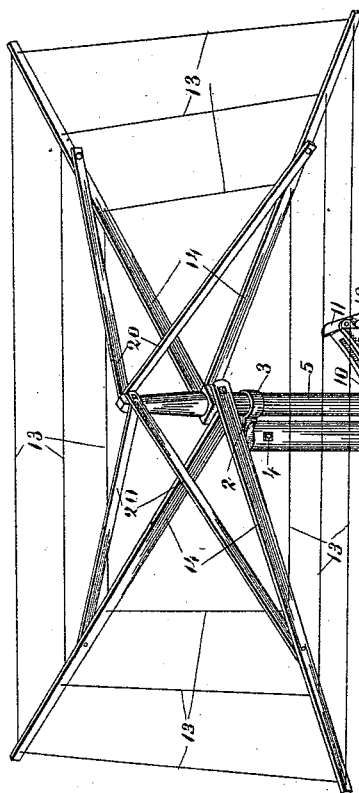
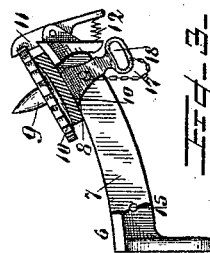
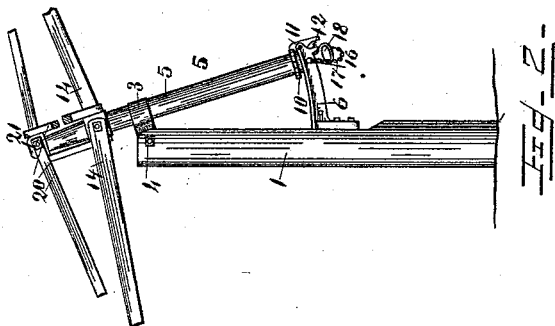
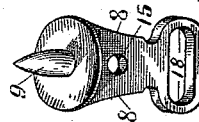


Fig. 1

Fig. 2



WITNESSES

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# UNITED STATES PATENT OFFICE.

JOHN BROWN, OF WESTON, CANADA.

## CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 526,889, dated October 2, 1894.

Application filed May 17, 1894. Serial No. 511,557. (No model.) Patented in Canada April 25, 1894, No. 45,888.

*To all whom it may concern:*

Be it known that I, JOHN BROWN, of the village of Weston, in the county of York and Province of Ontario, Canada, have invented certain new and useful Improvements in Clothes-Reels, (for which I have obtained a patent in Canada, dated April 25, 1894, No. 45,888,) of which the following is a specification.

My invention relates to improvements in revolving clothes reels upon which clothes are supported to dry in the atmosphere and the reel revolves by the action of the wind.

The principal object of my invention is to provide a simple, cheap, reliable, and convenient reel whereby the arms and the lines suspended between them can be brought lower than their normal position or positions, to enable the clothes being placed thereon conveniently.

I am aware that clothes reels in which the arms and lines thereon are lowered both by tilting in a plane oblique to the horizontal plane and by depressing the same into a plane below and parallel to the normal plane of the arms have been in use heretofore, therefore, I do not claim such broadly, but merely certain improvements in the tilting class of reels, particularly in providing a revolving post adapted to revolve on a support at its lower end, by which it is entirely supported being merely steadied at its upper bearing. I also provide means whereby the revolving post becomes engaged when inclined and is permitted to revolve in one direction only.

In the accompanying drawings illustrating my invention similar numbers of reference refer to similar parts throughout, and Figure 1, represents a perspective view of my improved reel in the normal position. Fig. 2, represents my improved reel inclined in the position for placing the clothes on. Fig. 3, represents a detail of the curved support at the foot of the revolving post and showing parts in section to more fully illustrate the same, and Fig. 4, represents a detail of the sliding block.

I employ a fixed post, 1, secured in the earth or any suitable support at its lower end and at its upper end is divided by a slit, 2, cut therein and in which the ends of the band, 3, are secured by a bolt, 4, passing through the

post, 1, and said band, 3. The band, 3, encircles the revolving post, 5, about its center as shown, and allows said post, 5, to vibrate the extent of a curved support, 6, secured on the fixed post, 1, and curved outward and upward on a particular curve so as to be equidistant from the lower end of the revolving post, 5, which it supports. The support 6, has a longitudinal slot, 7, extending to near its extremities, in which slot, 7, a sliding block, 8, is placed, of the form shown, to rest on the support, 6, also and having a pin, 9, to project through a ratchet wheel, 10, secured on the lower end of the revolving post, 5. The under side of the ratchet wheel, 10, is considerably convexed or rounded to fit into the upper concave surface of the sliding block, 8, around the pin, 9, which projects through the said ratchet wheel 10, as shown by Fig. 3.

At the outer end of the support, 6, a lever, 11, is supported to engage by its upper end with the ratchet wheel 10, when the post, 5, is inclined as shown by Fig. 2. A spring 12, actuates said lever, 11, to engage with the ratchets of the wheel, 10, and secure it from turning but one direction, as it is inclined to turn backward when the lines 13, carried by the arms, 14, are loaded and revolved forward the weight of clothes at the first half of the revolution move up an inclined plane and thereby tend to revolve the arms reverse to the direction in which they are required to move in bringing up new lines to be filled. Through the support, 6, and near the ends bolt holes, 15, are formed to provide for placing the bolt, 16, connected by chain, 17, to the sliding block, 8. On the lower extension of the sliding block, 8, a hand loop, 18, is provided by which to operate the post, 5, to or from post, 1.

The arms, 14, extend from the sides of the post, 5, as tangents to the same, and bear on the flat surface left on said post, 5, which is turned from a square scantling of wood preferably. At the top of the post, 5, another square is provided to which supports, 20, extend and connect with the arms, 14, as shown to support them. The arms, 14, and supports, 20, are bolted in pairs by bolts, 21, through said post, 5, in the manner shown.

To operate my improved reel to hang clothes thereon, remove the bolt, 16, then draw the sliding block, 8, outward from the post, 1, the

full extent of the slot, 7, and place the bolt, 16, in the outer bolt hole, 15, in the support, 6. This movement inclines the post, 5, and brings, the arms, 14, to incline correspond-  
5 ingly high, and low diametrically opposite, and the ratchet wheel, 10, to engage with the lever 11, which only permits the post, 5, being revolved in one direction to the left.

Having now described my invention, what  
10 I claim, and desire to secure by Letters Patent, is—

In a clothes reel, the combination of a fixed post, a revolving post supported by said fixed post and having radial arms and supports to

said arms as specified, the band securing said 15 revolving post to the top of said fixed post, the curved support on the fixed post and having a spring-actuated lever thereon, the sliding block adapted to slide on said support, and the ratchet wheel secured to said revolving 20 post to bear on said sliding block and adapted to be engaged by said lever when the revolving post is inclined, substantially as shown and described.

JOHN BROWN.

In presence of—

JOSEPH NASON,  
H. DIXON.