

EDWARD E. STEDMAN.

Revolving Clothes Frame.

PATENTED AUG 1 1871

117695

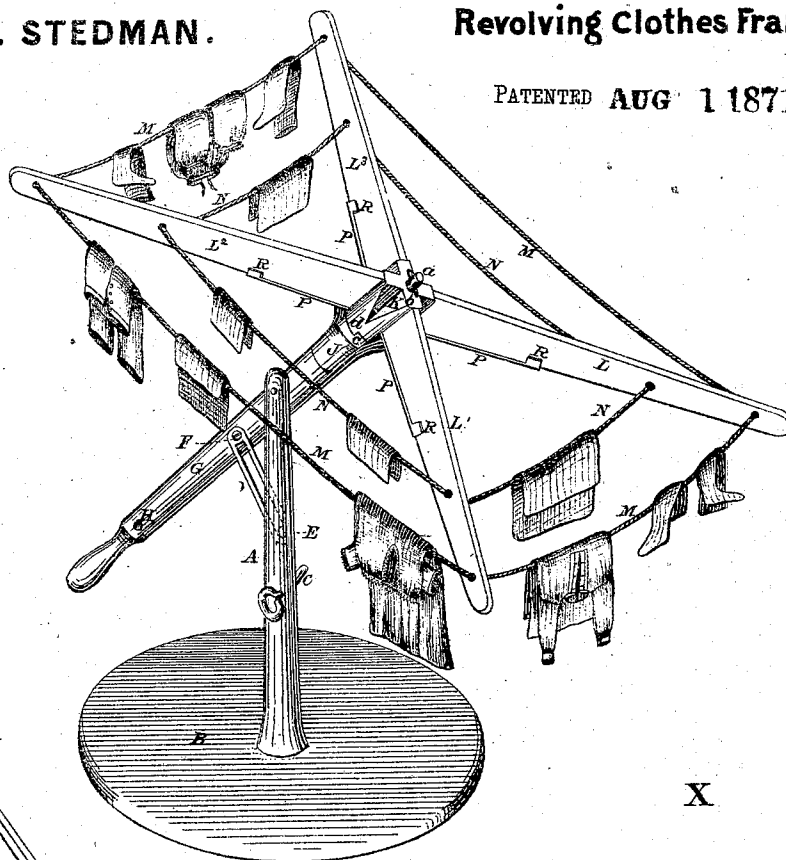


Fig. 1.

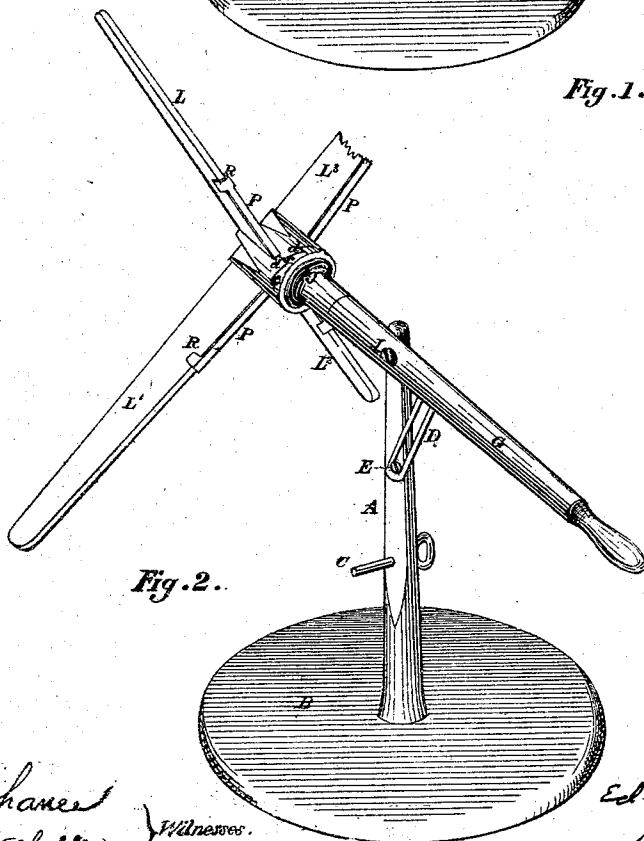


Fig. 2.

Peter Chaney
Andrew Choffin } Witnesses.

Edward E. Stedman Inventor.
by Job Abbott, Attorney.

UNITED STATES PATENT OFFICE.

EDWARD E. STEDMAN, OF RANDOLPH, OHIO.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. 117,695, dated August 1, 1871.

To all whom it may concern:

Be it known that I, EDWARD E. STEDMAN, of Randolph, Portage county, Ohio, have invented certain Improvements in Revolving Clothes-Frames; and that the following is a full, clear, and exact specification thereof, which will enable others skilled in the art to make and use the said invention.

My invention relates to that class of clothes-frames which has a revolving reel-head pivoted on an arm which can be turned at any desirable angle from its ordinary vertical position; and my improvements consist, first, in the use of a slotted link in combination with the pivoted reel-head arm and the main frame-post, and, second, in the construction of the reel-head with interlocking or ratchet bearing-faces; the object of the first improvement being to limit the movement of the pivoted arm, in order to prevent the possibility of the reel or frame being tilted over so far as to drag the clothes on the ground; and the object of the second improvement being to prevent the reel from turning back after one section has been hung with clothes and the next section has been turned forward to be filled.

In the accompanying drawing, Figure 1 is a perspective view, showing the practical working of my improved frame. Fig. 2 is a perspective view of the frame.

The main frame-post A is firmly planted in the ground, (which is represented by the base B,) and at its upper end is pivoted the arm G by means of a bolt, I. The slotted link D is secured to the arm G by a pin or screw, F, and the pin or bolt E is driven through the slot in the link D into the post A, from which it is evident that the angular motion of the arm G will be limited in either direction by the link D, and that, by changing the pin E into holes further up or down the post A, the amount of angular movement of the arm G can be varied as required. In order to secure the arm G in a vertical position the pin C is passed through a hole in the post A and a corresponding hole in the arm; and where it is desired to lock the frame in this position, to prevent its being turned down by unauthorized persons, an eye can be formed in the end of the pin C, which can then be secured by a padlock passed through said eye outside of the arm G in a manner readily seen. The base J of the reel-head is secured on the end of the arm G, and

has a center-pin, *a*, which forms the axis of the revolving head K. On the bearing-face of the base J are formed the ratchet-teeth *c c*, and on the under face of the head K are formed corresponding ratchet-teeth, *d d*, as shown in drawing, from which it is seen that the head K can be turned around the pin *a* in one direction, but that the teeth *c d* will interlock and prevent any revolution of the head K in case an attempt be made to turn it in the opposite direction. The reel-arms L¹ L² L³ are inserted in the head K and rest on the irons P, which are fastened in the head K, and have the ears R R at their outer ends, between which the arms L are placed. The lines or wires M N on which the clothes are placed are run around through the arms L L¹, as shown, or they can be secured to pins on said arms, if preferred.

In using the frame the operator first tilts the arm G from its ordinary vertical position by removing the pin C and letting the frame assume the position shown in Fig. 1, where it will be held up by the link D. Then, standing in the position X, (which is at the lower side of the frame,) he first hangs the clothes on that portion of the lines M N between the arms L² and L³, and when that section is filled he turns the frame to the left until the next section between the arms L¹ and L² is brought opposite to him. The weight of the clothes already hung on the section L² L³ would tend to make the frame turn back into such position as would bring that section to the lowest point, but the interlocking of the bearing-faces *c d* prevents this backward motion and holds the frame in the desired position. In the frame, as shown in the drawing, the sections between the arms L¹ L² L³ are supposed to be filled and the reel has been turned to allow of the filling of the section L L¹.

I lay no claim to a revolving reel-frame; nor to a revolving frame mounted on a tilting arm; nor to a revolving reel-head made with a ratchet-face; nor to a revolving frame having a head made with a ratchet-face, when used in combination with a pivoted or spring-pawl on the tilting arm; nor to a rod or link as a means of controlling the movement of the tilting arm, except when made with a central and closed slot and secured to the stationary post by a bolt, screw, or headed pin passing through said slot, as all these features have been before shown; and I

limit myself to the construction of the combined arm and reel-head with interlocking ratchet-faces, and to the slotted link, as herein set forth.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The slotted link D, in combination with the frame-post A and pivoted clothes-reel arm G, the several parts being connected and arranged substantially as and for the purpose specified.

2. The reel-base J and revolving head K, when constructed with the interlocking ratchet-faces

c d, and used in combination with the pivoted reel-arm G and the revolving clothes-reel L L' M N, substantially as and for the purpose specified.

As evidence of the foregoing witness my hand this 2d day of May, 1871.

EDWARD E. STEDMAN.

Witnesses:

NATHAN C. SEARS,
MARY A. ADOLPH.