A. G. ANDERSON.

CLOTHES LINE FASTENER.

APPLICATION FILED SEPT. 1, 1915.

1,259,584. Patented Mar. 19, 1918.

Fig. 1

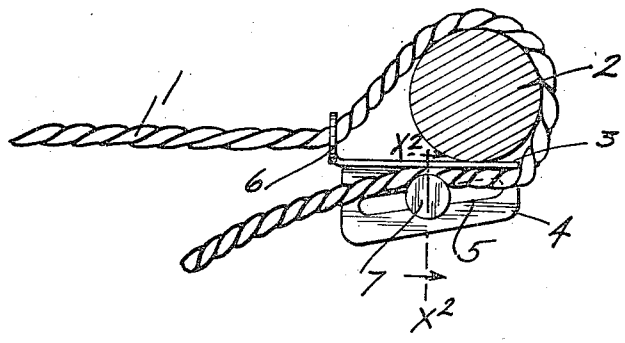


Fig. 2

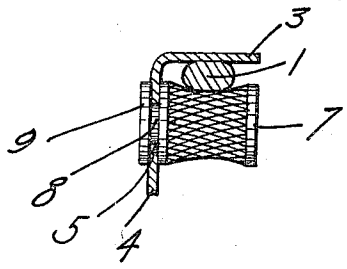
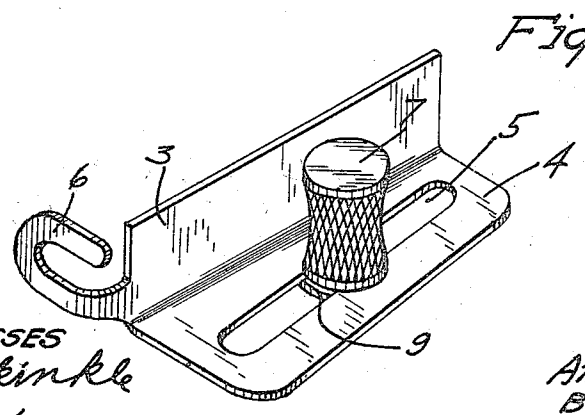


Fig. 3



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CLOTHES-LINE FASTENER.

1,259,584. Specification of Letters Patent. Patented Mar. 19, 1918.

Application filed September 1, 1915. Serial No. 48,425.

To all whom it may concern:

Be it known that I, AXEL G. ANDERSON, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Clothes-Line Fasteners; 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.

My invention has for its object to provide an extremely simple and highly efficient clothes line fastener; and, to this end, it consists of the novel devices and combinations of devices hereinafter described and defined in the claim.

In the accompanying drawings, which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings:

Figure 1 is a plan view of the improved clothes line fastener showing the same applied to one end of a clothes line and securing the same to a post;

Fig. 2 is a detail view, partly in elevation and partly in transverse section taken on the line x^2 x^2 of Fig. 1, on an enlarged scale; and

Fig. 3 is an enlarged perspective view of the clothes line fastener.

The numeral 1 indicates a clothes line and the numeral 2 indicates a post to which one end of the clothes line is secured. For the purpose of this case it is not thought necessary to illustrate the post to which the other end of the clothes line is secured.

The improved clothes line fastener is angular in cross section and comprises a clamping flange 3 and a holding flange 4. An oblique slot 5 is formed in the holding flange 4 and an open eye 6 is integrally formed with one end of the clamping flange 3, projects laterally therefrom and on the opposite side from the holding flange 4.

Overlying and coöperating with the clamping flange 3 is a clamping roller 7 having at one end a trunnion 8, the axis of which extends parallel to the clamping flange 3. This trunnion 8 is rotatively and slidably mounted in the oblique slot 5. A washer 9 is telescoped onto the projecting end of the trunnion 8 and permanently secured thereto by upsetting said trunnion. The purpose of this washer 9 is to hold the clamping roller 7 in position on the holding flange 4 and prevents its removal therefrom. The clamping roller 7 is made concave and serrated to increase its holding action and to prevent the clothes line from working out between the clamping flange 3 and the free end of the clamping roller 7.

In securing the clothes line 1 to the post 2, the same is first passed or looped around said post, as shown in Fig. 1. While the clothes line is held in this position, the open eye of the improved fastener is hooked over said line, as shown in Fig. 1, and the free end of said line is inserted between the clamping flange 3 and clamping roller 7. In this position of the improved fastener, the same is moved bodily into contact with the post 2 and the clamping roller 7 forced toward the lower extremity of the slot 5, which is in the direction of the pull of the clothes line 1. The pull on the clothes line 1 will tend to rotate the roller 7 and cause the same to travel farther toward the lower extremity of the slot 5, and hence, toward the clamping flange 3, thereby securely clamping the clothes line 1 between the flange 3 and roller 7. Obviously, the greater the pull on the clothes line, the greater will be the clamping action produced by the roller 7.

From the above description, it is evident that a clothes line may be very quickly put up or taken down by means of the improved fastener. In place of the post 2, it is of course understood that the clothes line may be secured to a tree or passed through an anchored ring or over an anchored hook. To take the clothes line down, it is only necessary to pull on the free end of the clothes line sufficiently to cause the clamping roller 7 to rotate, and hence, travel upward in the slot 5, thereby separating the clamping flange 3 and clamping roller 7 to release the clothes line.

What I claim is:—

A line fastener comprising a holding flange, a clamping flange, a clamping roller

having a concave periphery coöperating with the clamping flange, said two flanges extending at an angle to each other and formed from a single piece of sheet metal, said holding flange having a slot extending obliquely to the clamping flange and said roller having a flange trunnion journaled in said slot, the end of the clamping flange from which said slot diverges being bent laterally outward and having formed therein an eye.

In testimony whereof I affix my signature in presence of a witness.

AXEL G. ANDERSON.

Witness:
HARRY D. KILGORE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."