A. H. RICHARDS.

CLOTHESLINE ATTACHMENT.

APPLICATION FILED NOV. 24, 1919.

1,368,839.

Patented Feb. 15, 1921.

FIG. 1.

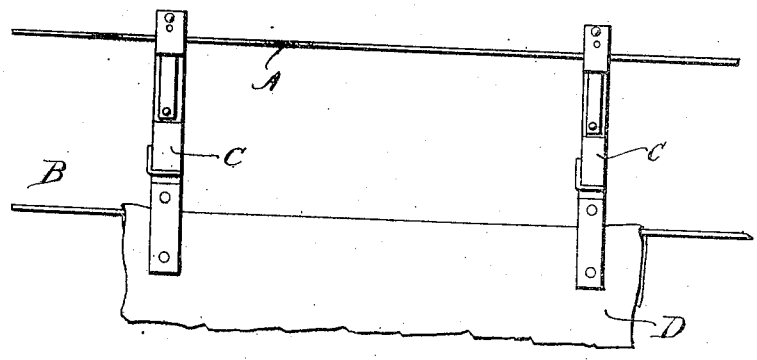


FIG. 2.

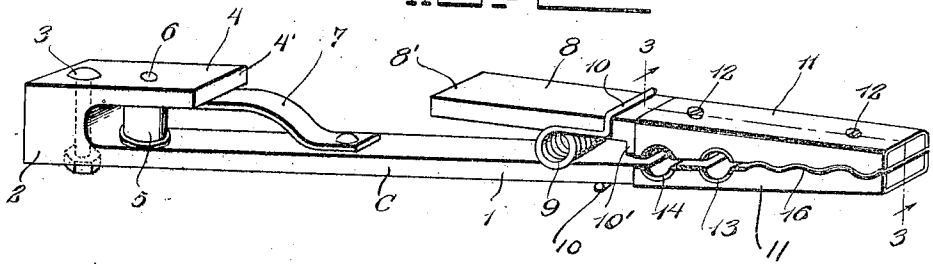


FIG. 4.

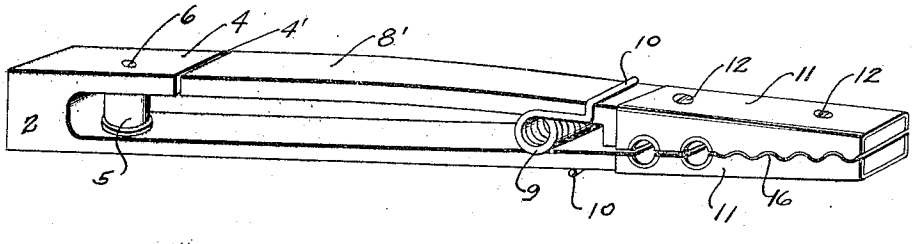
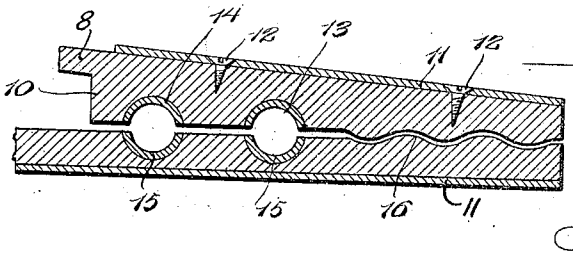


FIG. 3.



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CLOTHESLINE ATTACHMENT.

1,368,839. Specification of Letters Patent. Patented Feb. 15, 1921.

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To all whom it may concern:

Be it known that I, ARTHUR H. RICHARDS, a citizen of the United States, residing at Wilkes-Barre, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Clothesline Attachments, of which the following is a specification.

This invention relates to clothes line attachments of the class embodying means for supporting a plurality of sections of clothes lines of the type ordinarily termed "pulley lines" and means for retaining the garments in position thereupon.

The principal object of the invention is to provide in conjunction with a plurality of sections of a clothes line of the type ordinarily termed "pulley lines" an attachment therefor for retaining the garments thereupon and for retaining and supporting the sections, one with respect to the other or others intermediate their ends in such a manner that one section may be moved with respect to the other or others in order to suspend garments in ordinarily inaccessible places such as would be the case if the lines were arranged from the tops of two adjacent buildings.

Another object of the invention is to construct an attachment of the above defined character wherein the sections of the clothes line and the garments suspended therefrom are held in position by spring action thus facilitating both the hanging of the garments and the positioning of the attachment upon the line.

A further object of the invention is to provide a clothes line attachment wherein a portion of the fixed line and garment retaining member or clamping jaw effects a closure for the opposed or movable line retaining member thus materially simplifying the construction of the device as well as increasing its efficiency.

With the above and other objects in view as will appear as the description proceeds, the invention resides in such details of construction, combination and arrangement of parts as will be hereinafter described, illustrated in the drawing, and claimed.

In the drawings:

Figure 1 is a view of a portion of a clothes line of the "pulley" type showing the present invention applied.

Fig. 2 is a perspective view of the principal embodiment of the invention *per se*.

Fig. 3 is a fragmentary view on the line 3—3 of Fig. 2, and

Fig. 4 is a perspective view of a slight modification.

Similar characters of reference indicate like or corresponding parts in all the views of the drawing, referring to which:—

A designates a portion of the upper section of a clothes line of the "pulley" type and B the lower section thereof; the terminals of the sections are not shown, but it is pointed out that the line is trained over pulleys arranged either on suitable standards or from adjacent structures such as from opposite windows or roof eaves of two separate buildings, and the lower section B is hung with garments while the upper section A is left unincumbered in order that movement of the line may be effected in the pulleys to suspend the garments in ordinarily inaccessible places. Loosely engaging the upper section A and frictionally clutching the lower section B is the attachment C which forms the substance of the present invention, and as shown, a garment D is retained in place by the clamping action of the attachment which will be more fully described as the description proceeds.

Referring particularly to Fig. 2 of the drawing wherein the preferred embodiment is shown in detail, the attachment comprises an elongated body portion 1 having an enlarged laterally extending head 2, reinforced by means of a bolt 3 or other suitable reinforcing means, and having formed therein a rearwardly extending arm 4 lying parallel with the body portion 1 and disposed in spaced relation thereto for receiving a roller 5 mounted on a pin or axle 6 carried therebetween. The arm 4 extends somewhat beyond the roller 5 as at 4′ to form a guard within which is received for engagement with the roller the upper section A of the clothes line. A leaf spring 7 is secured to the body portion 1 and has its free end engaged beneath the end of the extension 4 of the arm to prevent accidental displacement of the clothes lines from engagement with the roller 5.

Mounted on the front end of the body portion 1 adjacent to and rearwardly of the leaf spring 7 is a clamping jaw 8 held securely attached thereto and in clamping position by means of a coil spring 9 having embracing spring arms 10—one arm extending beneath the body and the other over the jaw

as illustrated and for a purpose which is obvious. The front end of the body 1 forms a fixed jaw for coöperation with the jaw 8. The jaw 8 has a shank 8′ providing a finger grip for operating the same, and is offset as at 10′ to extend parallel with the body 1. The exterior surface of the jaw 8 and the adjacent exterior surface of the body 1 are reinforced by clips 11 held in place by suitable screws 12.

The faces of the fixed and movable jaws are provided with registering semi-cylindrical recesses 13 and 14 provided with wear plates 15 for frictionally engaging the lower secton B of the clothes line and the remaining portion of the opposing faces are ridged or corrugated as at 16 to securely grip a portion of a garment to suspend the same from a clothes line.

Attention is directed to the fact that by dismounting the roller 5 the arm 4 may be used as a hook for engaging either one of the clothes line sections should it be desired merely to use the device as a clothes pin—and furthermore this function of the hook formed by the arm 4 upon dismounting the roller 5 permits of hanging the device on the line when taking down clothes instead of using the usual pin-basket.

In operation the upper section A of the clothes line is disposed beneath the arm 4 to engage the roller 5 and the lower section B is placed in either of the recesses 13 or 14 (depending upon the degree of spacing of the clothes line sections with respect to each other). When so disposed the clothes line may be moved on the pulleys (not shown) and the sections A and B thereof are positively held against sagging or breaking due to the weight of the garments clamped by the jaw 8.

The modification illustrated in Fig. 4 contemplates the elimination of the leaf spring 7 and extending the shank 8′ of the jaw 8 to a position adjacent the extensions 4′ of the arm 4 thus forming a closure to prevent displacement of the upper section A of the line from engagement with the roller as is obvious. The operation of the modification is substantially the same as that of the principal embodiment except that in engaging the secton A of the clothes line with the roller 5 the shank 8′ is depressed instead of the leaf spring 7.

While the invention has been described with considerable particularity, it is to be expressly understood that the same is not to be restricted to the embodiments as specifically set forth and illustrated, as the same are susceptible of embodiment in a variety of mechanical forms, some of which will readily suggest themselves to those skilled in the art, while certain features thereof are susceptible to employment without other features thereof. The scope of the invention is to be determined by reference to the claim hereto appended.

What I claim is:

The combination with a clothes line of the "pulley" type having relatively movable sections, of an attachment therefor comprising a body portion having recesses formed therein, a jaw on the body portion having recesses formed therein registering with said first named recesses for gripping one of said clothes line sections therebetween, a roller for movably engaging the other of the clothes line sections, wear plates in the recesses, and means for preventing displacement of the movably mounted clothes line section from the roller.

In testimony whereof, I affix my signature hereto.

ARTHUR H. RICHARDS.