A. ROEHR.

CLOTHESPIN.

APPLICATION FILED APR. 12, 1919.

1,349,224. **Patented Aug. 10, 1920.**

Fig. 1.

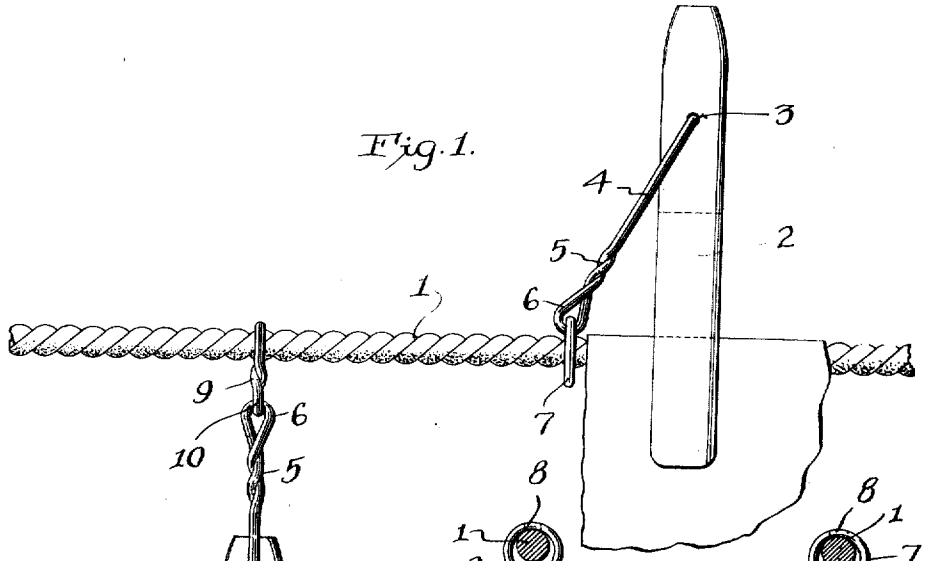


Fig. 2.

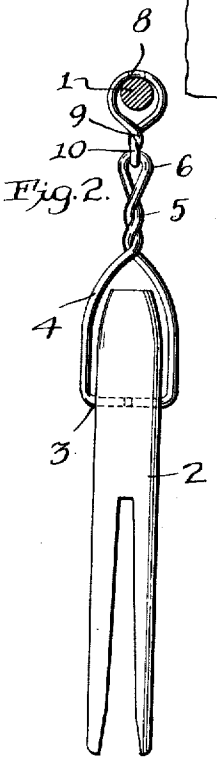


Fig. 3.

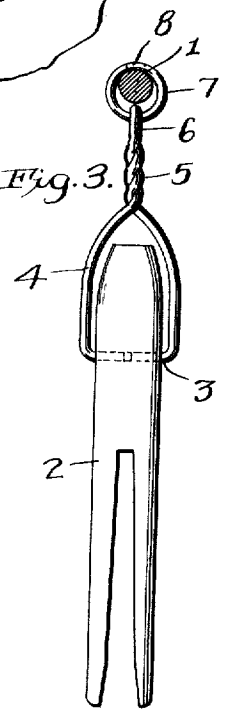
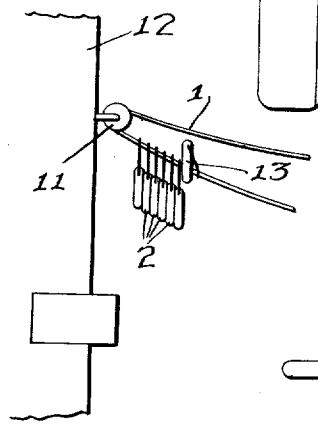


Fig. 5.



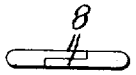


Fig. 4.

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CLOTHESPIN.

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To all whom it may concern:

Be it known that I, ADA ROEHR, a citizen of the United States, residing in the borough of Brooklyn, county of Kings, and State of New York, have invented a new and useful Improvement in Clothespins, of which the following is a description.

This invention has reference to clothes pins, and, particularly, to means whereby said pins may be slidably and detachably hung to the line and the pins may be detached at will.

Among the objects of my invention may be noted the following: to provide a combination of means by which a clothes pin can be detachably and slidably hung upon a line and be given substantially universal movement relatively thereto; to provide means by which a clothes pin may be suspended from the line, and which means may be readily attached to, and hung from, the line, and also detachably hold the pin; to provide means by which, when the clothes pin becomes split or broken, substitutions may be made readily and cheaply, without removing the holding means from the line; to provide means whereby clothes and other articles may be quickly secured to a line through the medium of pins which are always on the line and readily manipulated, so as to be applied quickly and quickly removed without the loss of the pins or removing them from the line; and to provide a simple, cheap, compact and efficacious means by which articles of various kinds may be hung upon, and held in place on, a line and the holding means may be shifted to any position on the line for coöperation with the article.

With the foregoing objects in view and others which will be detailed during the course of this description, my invention consists in the parts, features, elements and combinations thereof hereinafter described and claimed.

In order that my invention may be clearly understood, I have provided drawings wherein:

Figure 1 is an elevation showing a portion of a clothes-line with one pin in functional position and another pendent;

Fig. 2 is a side elevation of the pendent pin of Fig. 1, the line being in section;

Fig. 3 is a view similar to Fig. 2, showing a different form of attaching means;

Fig. 4 is a top plan of the attaching means showing how its ends may be separated; and

Fig. 5 is a detail showing a mode of use.

Referring to the drawings, the numeral 1 indicates a clothes-line which may be of wire, rope or other suitable material, suspended at its opposite ends upon posts, hooks, holders or other media, as may be desired, according to the location of the line.

The numeral 2 indicates a wooden clothes pin, which may be of common type, through which an aperture has been drilled or made for the reception of the inturned ends 3 of a resilient holding medium, having a pair of side arms 4 and its upper end provided with a stiffened shank 5 and open eye 6. Preferably, the holding medium is made of a single piece of spring or resilient wire, bent to provide the inturned ends 3, providing trunnions or bearings for the clothes pin and twisted to provide the shank and produce the terminal eye. The arms 4 are resilient and may be sprung apart. The ring 7, or suspending member, is also made of resilient or spring wire, and has its coöperating ends 8, which may be separated, so shouldered as to provide a flush closure. This is to prevent the clothes being snagged or torn in applying them to the line, or in sliding the pins along the latter. The ring 7 is inserted in the eye of the holding medium by separating its ends laterally, and in like manner is applied to the line. The suspending medium 7 may be in the form of a ring, as shown in Figs. 3 and 1,—at the right of the latter,—or may be made as shown in Fig. 2 and at the left of Fig. 1. In the latter form, it is produced from a piece of resilient wire, its ends having flush coöperation, as shown in Fig. 4, and its body twisted to stiffen the same, as at 9, and form an eye 10 for coöperation with eye 6 of the holder.

From the foregoing description it will be seen that the entire device may be quickly applied to, and removed from, the line without detaching the several parts of the device. The holding medium, in the form of Fig. 3, may also be detached from the suspending means without removing the latter from the line; and the pin may be detached from the holding medium without removing either the latter or the suspending means from the line. Thus, if a pin becomes broken, another may be quickly substituted,

and, if the holding medium becomes bent, broken or distorted in any way, so as to render it unserviceable, which is a remote possibility, it can be removed from the suspending means without removing the latter from the line and another substituted therefor, without wastage of either the suspending means or the pin.

By referring to Fig. 1, it will be seen that, according to my invention, the entire device may have practically a universal movement on, and relatively to, the line; that the pin can be very quickly and readily manipulated for its functional purposes, and also for detaching the clothes from the line; that, when the line is taken down, the pins need not be removed, thus preventing them from becoming lost, injured or soiled, and the latter objectionable features are also avoided by reason of the fact that the pins are always suspended on the line and need never be removed therefrom; that the pins can be applied to articles suspended on the line either to the right or left of the position where the pin may be hanging, and, in consequence, little or no space on the line is wasted, since the articles may be hung very closely together and will be separated only by, for example, two rings or suspending means, in the event it is desired to hang two articles close together; and a pin may be employed as a means for preventing the remainder of the pins from being slid out upon, or accidentally shifted on, the line, when there are no articles suspended thereon, and when it is desired to put the pins under cover during non-use, this feature being shown in Fig. 5, wherein the line 1 is shown running on a pulley 11, properly supported at 12. The pins 2 are shown grouped on one part of the line and held from sliding along the latter by another pin 13 applied to the line, said pin acting as a keeper for the others.

It should be further noted that all the parts are simple, are very quickly and cheaply made; the pins are wooden, and, therefore, cheap, and that the wire from which the holding and suspending means are produced should be non-rustible, resilient and strong, and can be very economically produced. Also that the entire device is a labor and time saver, since it avoids the separate handling of pins from ground or box to line, thus facilitating the work of hanging out articles to dry, and that the clothes and other articles will be firmly held on the line, since, when the pins are pressed down to clamp the articles, the holding means and suspending means form an angle relatively to the line which places some little tension thereon in an angular direction to its length, thus preventing the pins from being shifted under the influence of the flopping of the articles on the line in a strong wind.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. In combination with a clothes pin provided with opposite bores affording journal bearings, a holder formed of a single piece of wire bent to provide a pair of arched arms adapted to receive the pin above said bearings, and also to provide a pair of normally inturned journal pins adapted to enter said bearings, said holder also having a twisted portion above said arched portion making a stiff body member terminating in an eye, and means coöperating with said eye for detachably securing the holder to a line.

2. In combination, a holder consisting of a single piece of wire bent to provide a pair of oppositely arched arms, a stiff shank at one terminal of the arms, a securing eye at the terminal of the shank, and a pair of normally inturned journals at the free ends of said arms, in combination with a clothes pin having opposite bores for mounting upon the journals so as to swing between the arms of the holder, the eye of the holder affording means for securing the same to a line.

ADA ROEHR.