

G. E. DEVORE.
CLOTHES PIN.

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960,847.

Patented June 7, 1910.

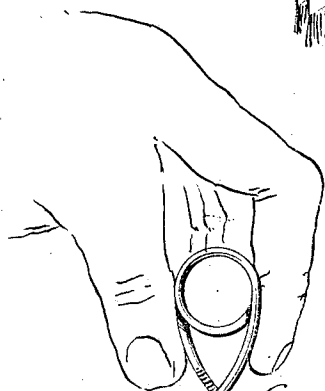
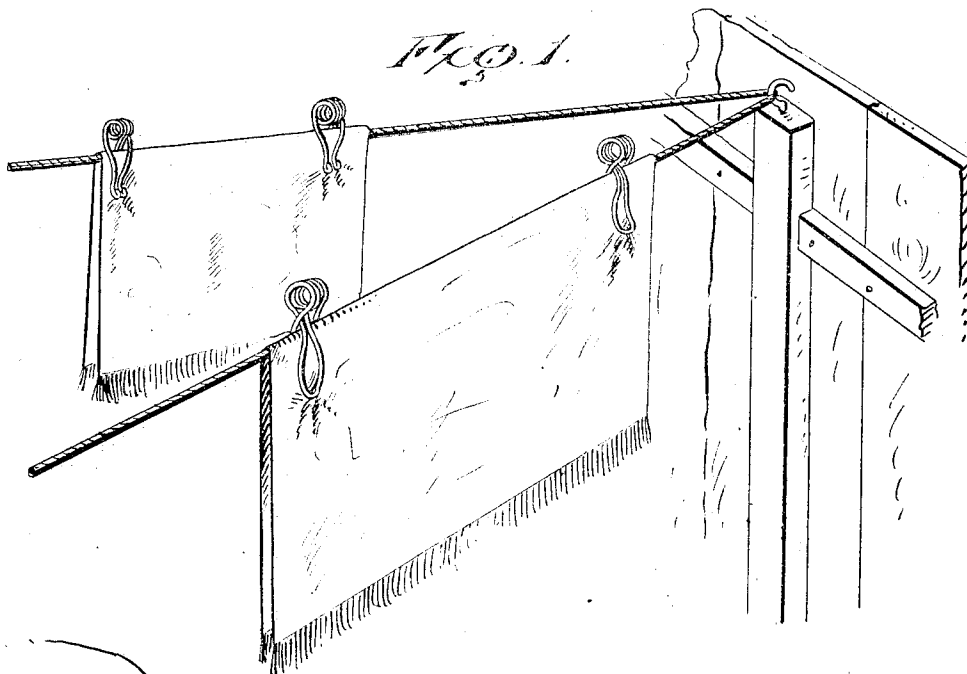


FIG. 2.

FIG. 3.

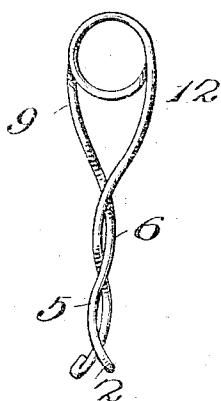
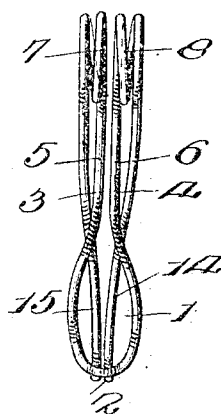


FIG. 4.



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Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE ELLSWORTH DEVORE, OF MORNING SUN, IOWA.

CLOTHES-PIN.

960,847.

Specification of Letters Patent.

Patented June 7, 1910.

Application filed February 1, 1910. Serial No. 541,386.

To all whom it may concern:

Be it known that I, GEORGE E. DEVORE, a citizen of the United States, residing at Morning Sun, in the county of Louisa and State of Iowa, have invented certain new and useful Improvements in Clothes-Pins, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to improvements in clothes pins.

The object of my invention is to provide a clothes pin made of a single piece of wire and so coiled and bent that a more practical pin is provided which securely holds the clothes on the line and at the same time providing means whereby the pin can be opened by grasping between the fingers of one hand so that it can be readily inserted.

In the accompanying drawings: Figure 1 is a perspective view of a clothes line showing my improved clothes pin applied. Fig. 2 is a side elevation showing the pin in the act of being applied. Fig. 3 is a side elevation of the pin, and Fig. 4 is an end view of the pin.

My improved clothes pin, as heretofore stated, is made of a single piece of wire which is double in the middle forming a loop 1, which has its lower end bent or flared outwardly as indicated at 2, to provide means whereby the pin is more readily applied. The said loop in side elevation is preferably of an oval form having the two wires 3 and 4 forming the same, bent or drawn inwardly and extending upwardly parallel with each other. The wires are bent or provided with the compound curved portions 5 and 6, and ending in the coils 7 and 8. The wires 3 and 4, adjacent the coils, are parallel, as heretofore stated, and are bulged outwardly as indicated at 9. Fig. 3, the purpose of which will be hereinafter more fully described. The coils 7 and 8 are oppositely arranged and terminate in the arms 10 and 11, and are bulged outwardly as indicated at 12 to correspond with the bulged portion 9. The said arms extend downwardly on the outside of the portions 3 and 4 of the loop and curved portion 13 extending across wires 3 and 4 and extending into the loop 1, at 14 and 15, and

having their lower ends curved out of the loop as indicated at 16 and 17.

From the foregoing description it will be seen that by the compound curves of the loop and arms interlocking gives a greater holding surface which prevents the pin from being displaced from the line after being applied. By compressing the portions 9 and 12, between the thumb and forefinger the lower ends of the arms and loop are moved outwardly from their interlocked position so that the same can be readily inserted, as clearly shown in Fig. 2. This also allows of the ready removal of pin without any injury to the clothes.

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

1. A clothes pin comprising a piece of wire having an oval loop formed therein intermediate the ends, and terminating in oppositely arranged coils, and the ends of the coils terminating in arms crossing the loop on the outside and curved around and extending within the loop.

2. A clothes pin comprising a piece of wire having an oval loop formed therein intermediate the end and the wires extending close together and coiled outwardly and said coils arranged opposite, and the ends terminating in curved arms crossing the upper end of the loop and having an intermediate curved portion extending into the loop.

3. A clothes pin comprising a piece of wire having a loop formed therein intermediate its ends and having a compound curve, and the upper ends of the wire terminating in coils, the wire starting from the outside of the coils to form the curved portion 12, and the ends of the wire having the coil from the outside and crossing the upper end of the loop and drawn in toward each other and having an intermediate curved portion extending into the loop and having the ends terminating outside the loop.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

GEORGE ELLSWORTH DEVORE,

Witnesses:

FRED COURTS,
W. S. McCLELLAN.