

W. M. Doty,

Clothes Pin,

N^o 63,231.

Patented Mar. 26, 1867.

Fig. 1

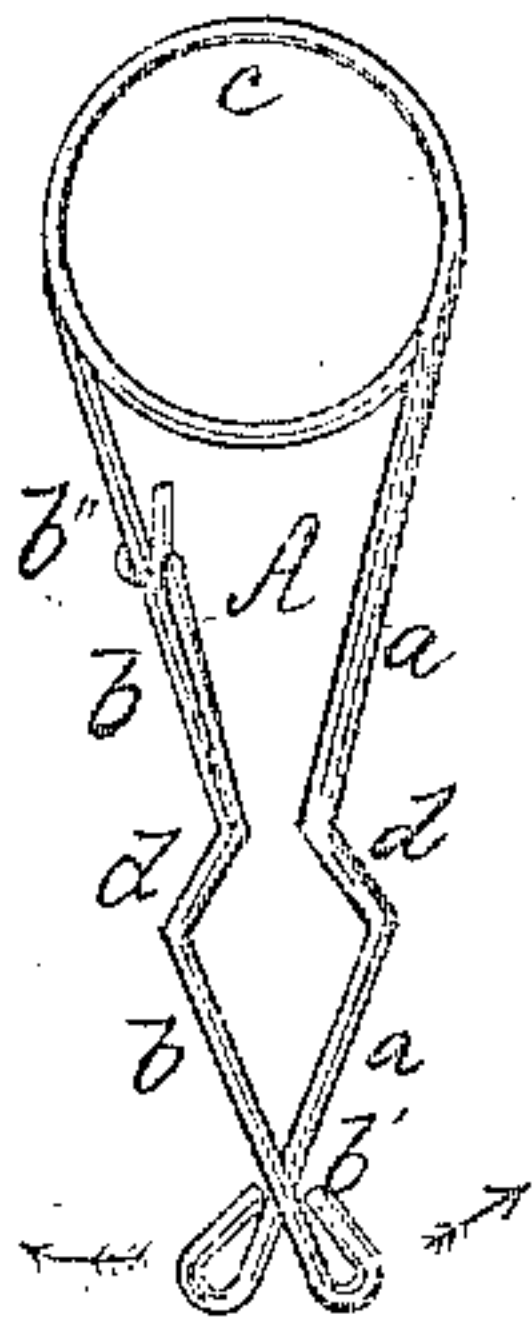


Fig. 2

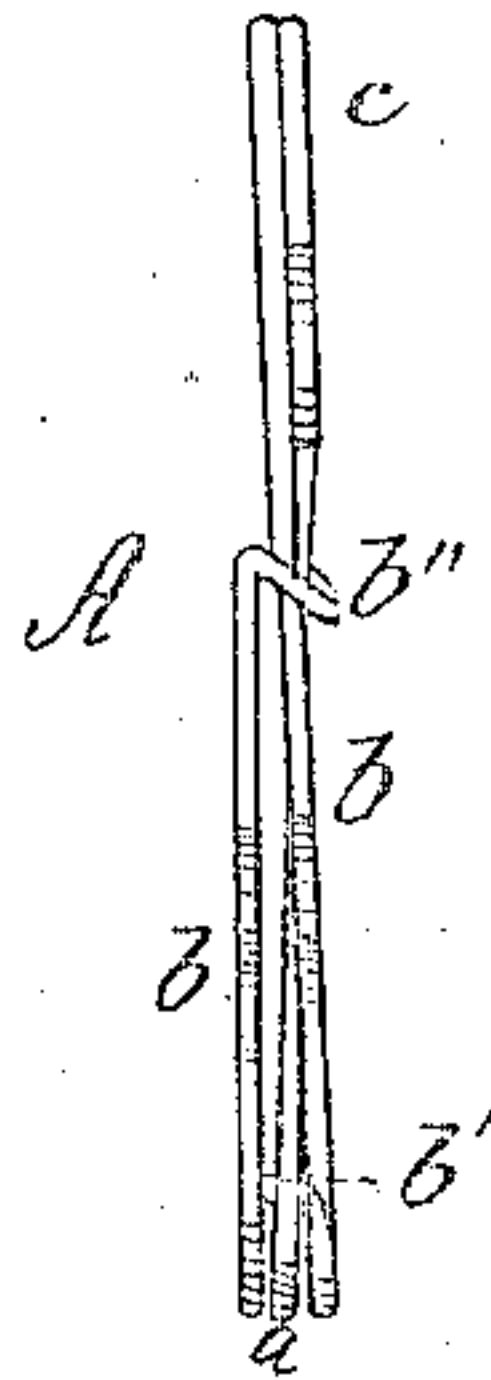
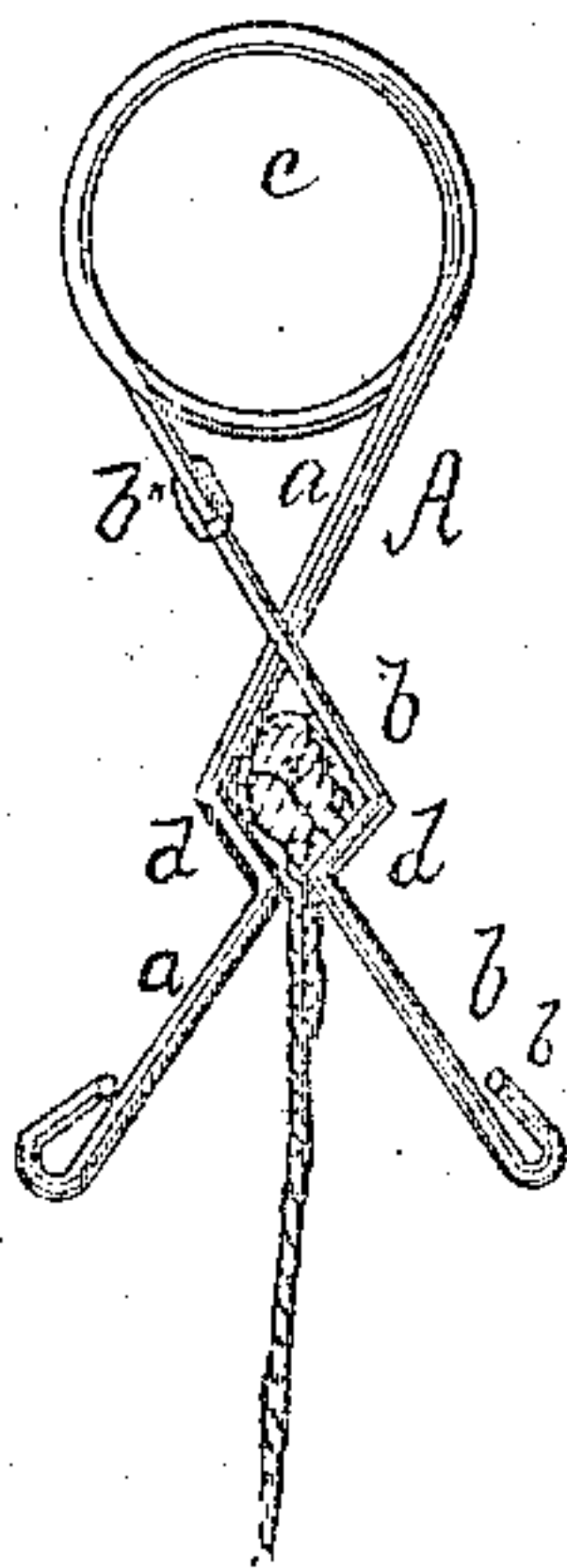


Fig. 3



Witnesses:
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United States Patent Office.

WILLIAM M. DOTY, OF NEW YORK, N. Y.

Letters Patent No. 63,231, dated March 26, 1867.

IMPROVED CLOTHES-PIN.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM M. DOTY, of the city, county, and State of New York, have invented a new and improved Clothes-Pin; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification

The object of this invention is to make a durable and self-adjusting clothes-pin or fastener in the simplest and least costly manner, and to construct it so as to be strong and easily applied to or removed from a line, as may be desired, and not to be liable to cause freezing of fabrics to the line by holding dampness.

The invention consists in the use of wire for the aforesaid purpose, the wire being so bent as to possess not only the necessary spring, but also the clamping surfaces. I prefer to make this clothes-pin of one single piece of wire; but, if desired, it may be made of two or more pieces with the same effect. In the accompanying drawing my invention is illustrated—

Figure 1 being a side view of my improved clothes-pin.

Figure 2 is an edge view of the same.

Figure 3 is a side view of the same, showing it applied to a line.

Similar letters of reference indicate like parts.

The clothes-pin A consists of two arms, *a* and *b*, and the loop *c*. It is made of elastic wire. The loop *c* is formed by bending the wire spirally around a centre, but may, when using strong wire, be dispensed with, as a simple half-circular bend or connection for the arms may have spring enough for all practical purposes. The arms *a* and *b* cross each other near their lower ends, and are prevented from being bent out by a cross-piece, *b'*, formed on the arm *b*, by turning the end of the wire on the lower end of *b* to one side, and then bending it up again parallel with the main portion of the arm, to which it is finally secured at *b''*. The arm *a* is passed through the opening thus formed, and rests against the cross-piece *b'*. Each arm is provided near its centre with a deviation or bend, *d*, towards the outside, which, when the lower ends of the arms are pulled apart in the direction of the arrows in fig. 1, forms two sides of a quadrangle, the other two being formed by the upper parts of the arms *a* and *b*, as shown in fig. 3. Within this quadrangle the line is enclosed, as shown in fig. 3, and the clothes are securely held. This clothes-pin is applied by simply pressing it upon the line, whereby the arms will be spread apart until the lower corners of *d* have passed by the line. The spring will then throw the arms together and press them against the line. The pin is removed from the line by simply pulling it upward. If desired, the arm *a* may also be made double like the arm *b*, whereby the pin will be held still more steady on the line.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The wire clothes-pin A, having the arm *b* doubled and secured thereto as at *b''*, forming a loop, the arm *a* passing through said loop and resting upon cross-piece *b'*, whereby any lateral movement is prevented, as herein set forth.

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