

No. 723,130.

PATENTED MAR. 17, 1903.

D. S. BOYLES.
CLOTHES PIN.

APPLICATION FILED NOV. 4, 1902.

NO MODEL.

Fig. 1.

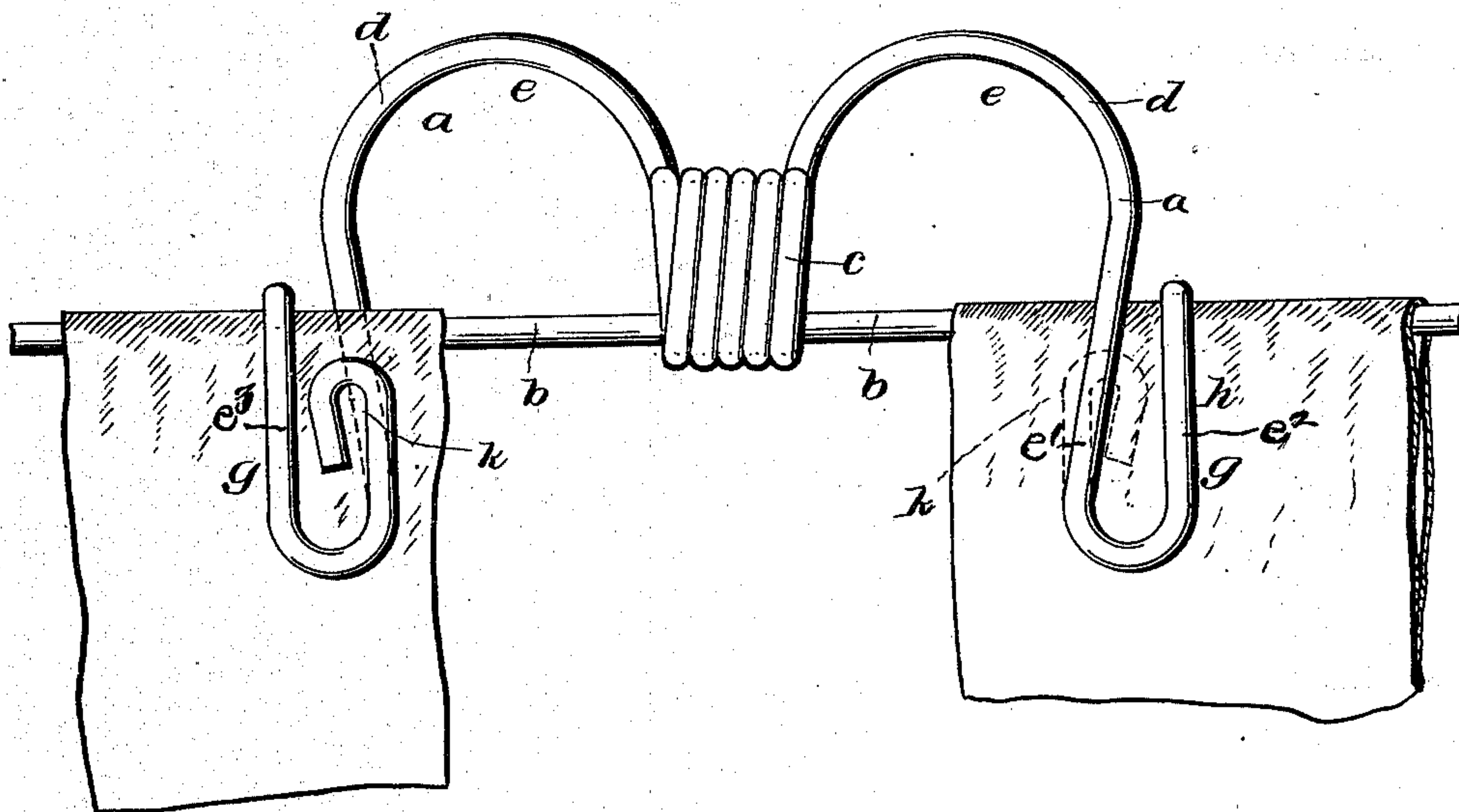


Fig. 2.

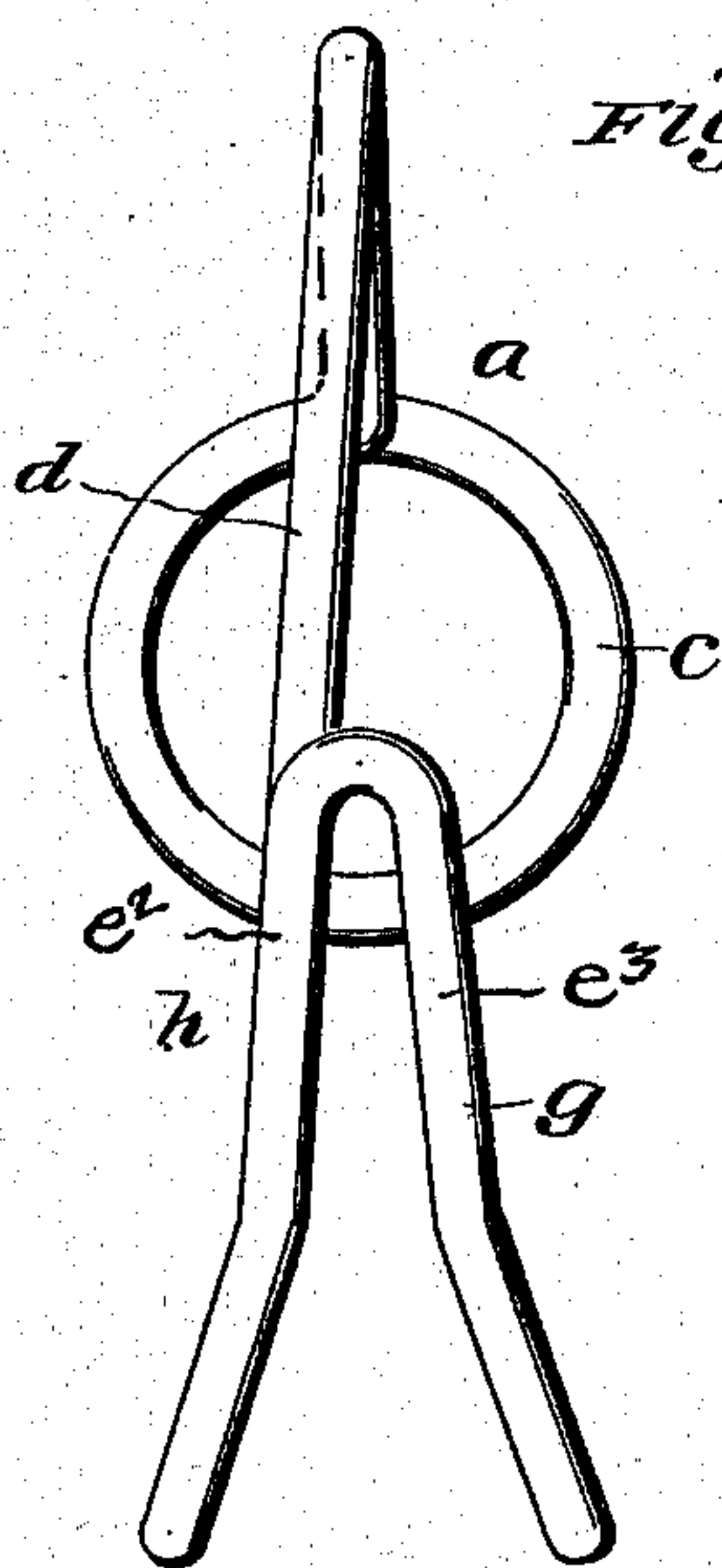
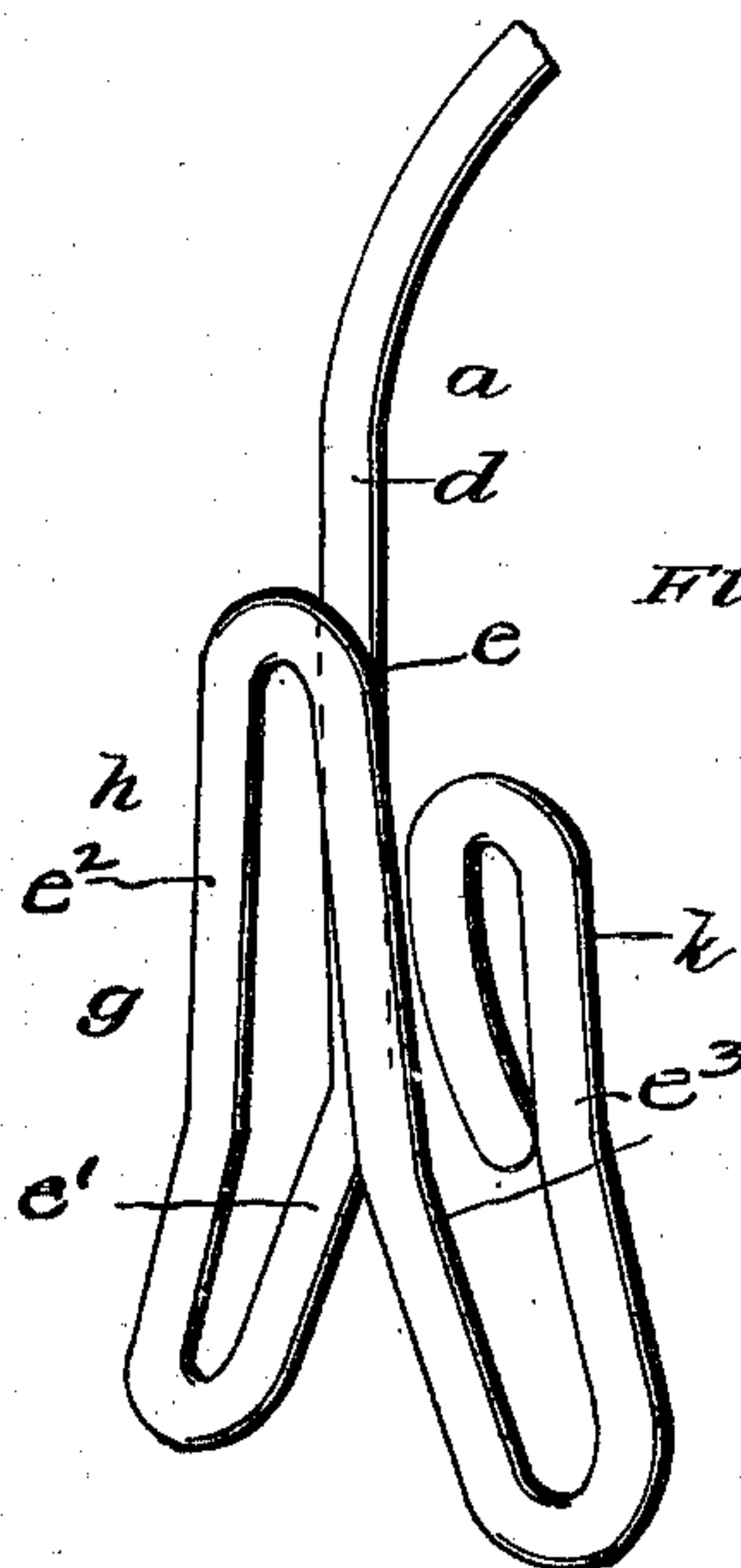


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

DAVID S. BOYLES, OF WALNUTCOVE, NORTH CAROLINA.

CLOTHES-PIN.

SPECIFICATION forming part of Letters Patent No. 723,130, dated March 17, 1903.

Application filed November 4, 1902. Serial No. 130,089. (No model.)

To all whom it may concern:

Be it known that I, DAVID S. BOYLES, a citizen of the United States, and a resident of Walnutcove, in the county of Stokes and State of North Carolina, have made a certain new and useful Invention in Clothes-Pins; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the invention, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side elevation of my invention as applied. Fig. 2 is an end elevation of the same. Fig. 3 is a perspective view of one end portion of my pin.

The invention relates to spring-wire clothes-pins; and it consists in the novel construction and combinations of parts, as hereinafter set forth.

In the accompanying drawings, illustrating this invention, the letter *a* designates the clothes-pin, and *b* a section of clothes-line upon which it is placed.

The clothes-pin is made of strong spring-wire which is formed in tubular coil *c* at its middle portion, the opening of the tube presenting longitudinally, so that it serves as a
30 loop for connecting the clothes-pin to the clothes-line, the latter being passed through the tubular coil. This coil *c* has upward end arches in the plane of its axis, as indicated at *e e*, each arch having a downward extension *e'* below the level of the coil, and an upward bend *e²* on the same side to form one jaw *h*, and a downward and reverse terminal bend *e³* to conform to the position of the bends of said jaw and form the opposite jaw,
40 terminating in a loop *k* of the two-branched clamp *g*. The two jaws of the clamp are therefore loop form, and because of the terminal loop the clamp has a broad bearing on the article to be held on the line. On account of the location of the clamp-bend at about the level of the lower portion of the tubular opening the latter operates, in connection with the clothes-line, to press the clamps downward, causing them to hold the articles
50 securely to the line. Should they become loose, the arched branches can be bent a lit-

tle, making the clamps tighter. These arch-loops are in position above the level of the clothes-line and being about large enough to admit the forefinger afford means for moving the pin and operating its branches with facility in attaching the clothes to the line. The clothes are readily detached by pressing the loop-clamp upward. Because of the level relation of the bends of the clamps to the lower portion of the tube-coil the pin is caused by the spring stress to remain in place when placed on the line, and being properly balanced it holds its upright position. The pin being branched or doubled, it is not necessary to lap the clothes to secure them near each other on the line, as each clamp acts independently, so that there is always a small interval between the pieces of clothing. The upper arch-loops of the pin are in the plane of the diameter of the tube-coil, and the loop-jaws of the clamps diverge in an outwardly and downwardly curved way to accommodate the clothes in attaching them to the line. Each clamp is designed to have a great deal of elasticity, because while there are four wires acting, two on each side, there is but one clamp-bend extending over the line. The clamp, therefore, while a secure one, has not a hard and rigid character and is readily operated on thin or thick folds of garments or other articles on the line.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

A balanced spring-wire clothes-pin, comprising in a single piece of wire, a middle tubular coil, upward end arches in the plane of its axis, the downward extension of each arch below the level of the coil, and having an upward bend on the same side to form one jaw, and a downward and reverse upward terminal bend to conform to the position of the bends of said jaw, and form the opposite jaw, said jaws having a downward flare, substantially as specified.

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

DAVID S. BOYLES.

Witnesses:

W. J. LEWIS,
J. W. DAVIS.