

No. 849,558.

PATENTED APR. 9, 1907.

S. A. NEWMAN.

SAFETY PIN.

APPLICATION FILED MAY 11, 1906.

Fig. 1.

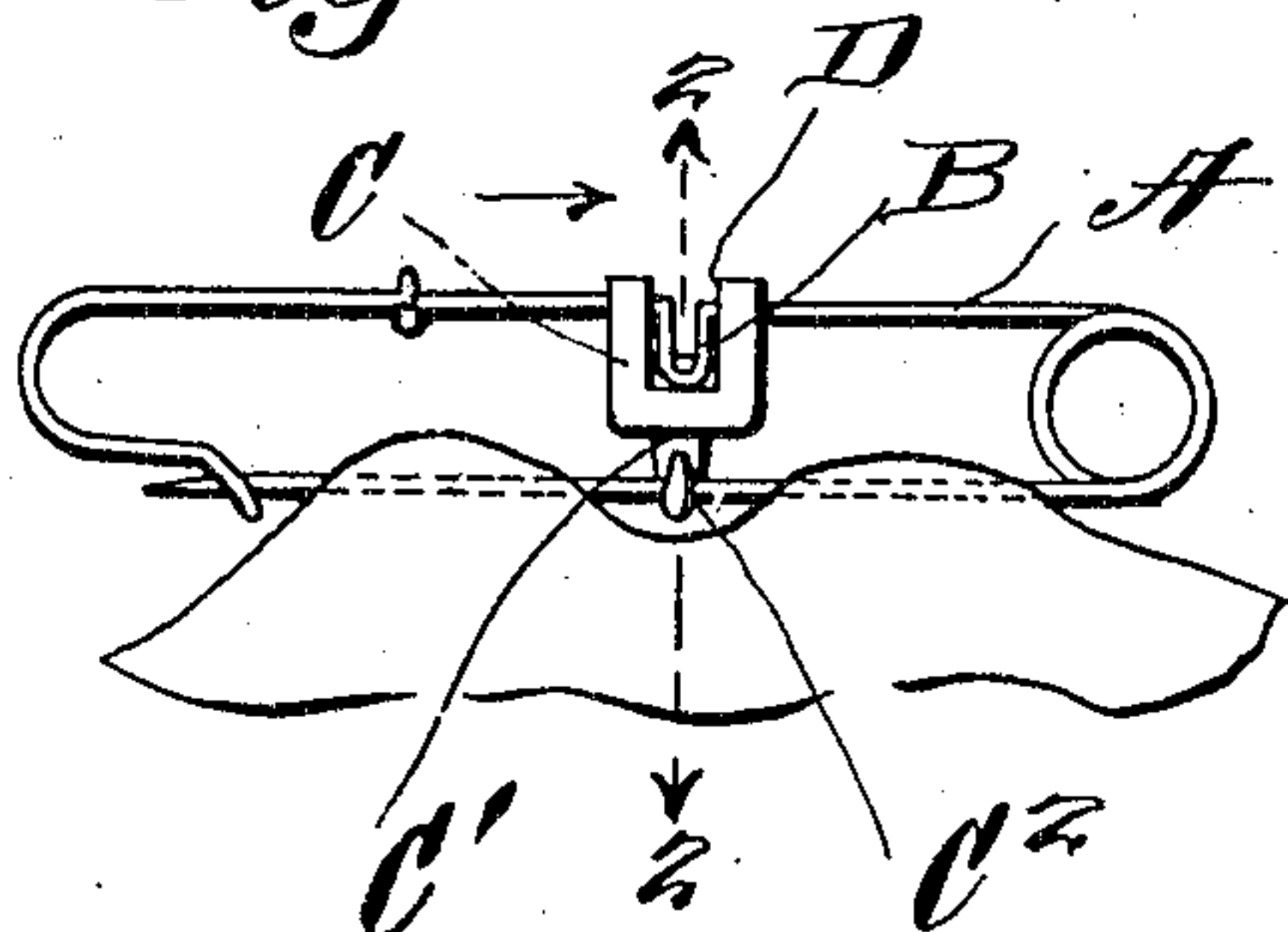


Fig. 2.

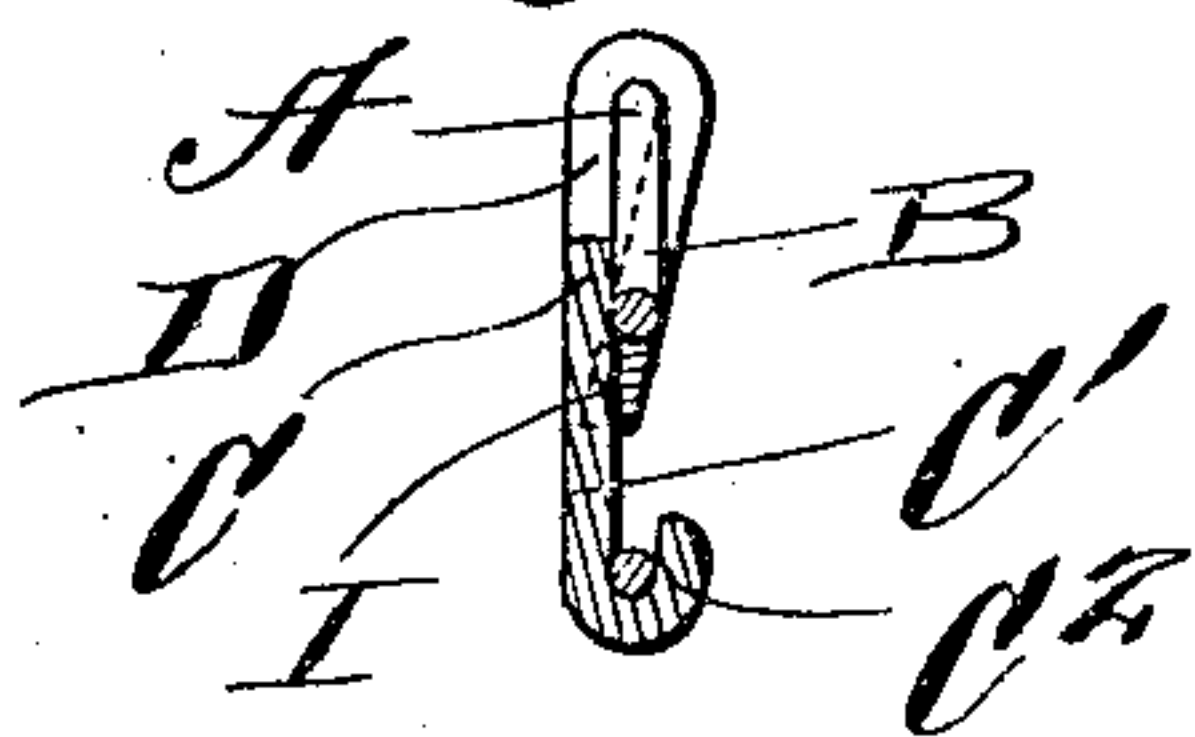


Fig. 3.

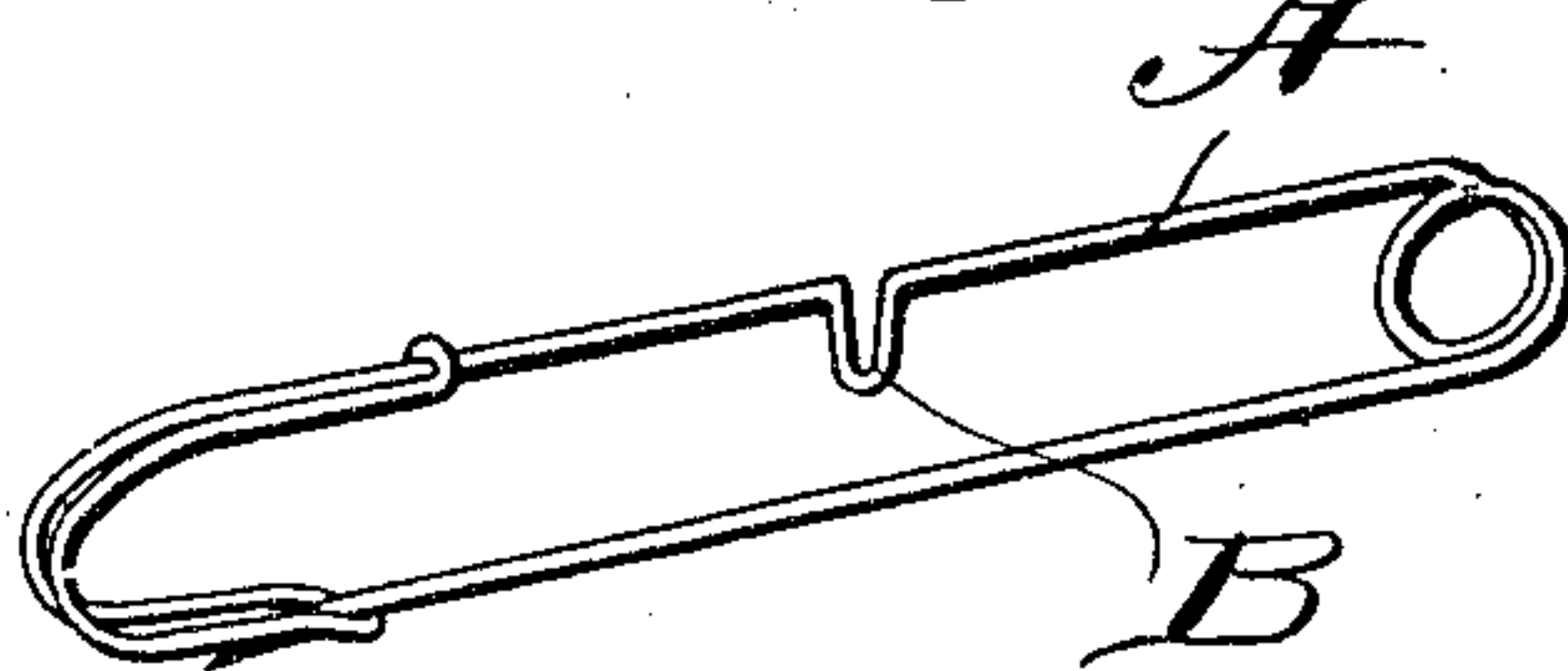


Fig. 4.

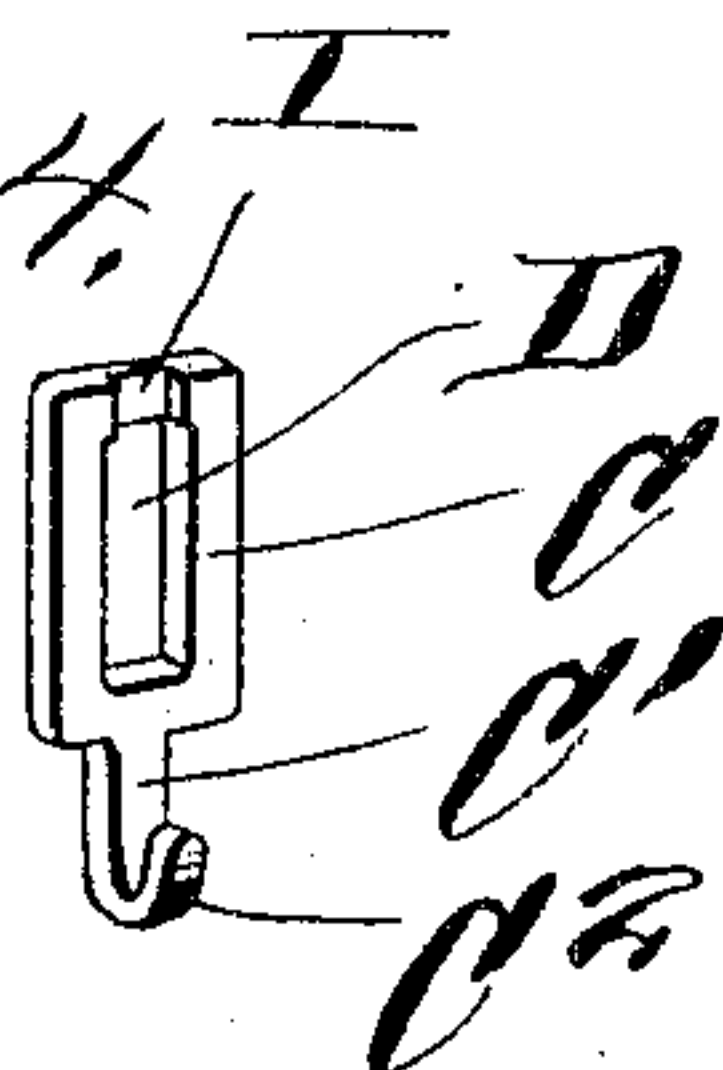


Fig. 5.

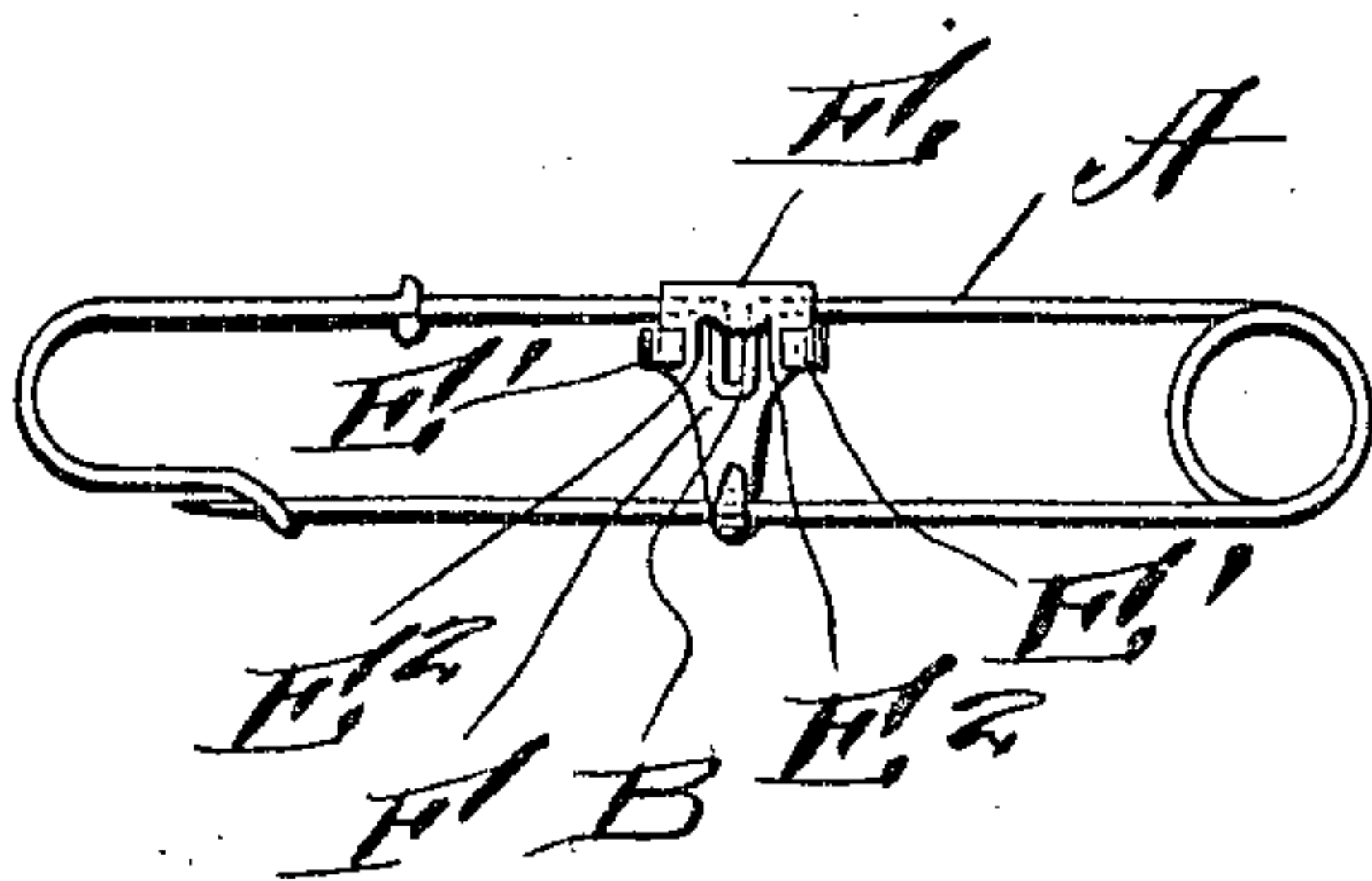


Fig. 6.

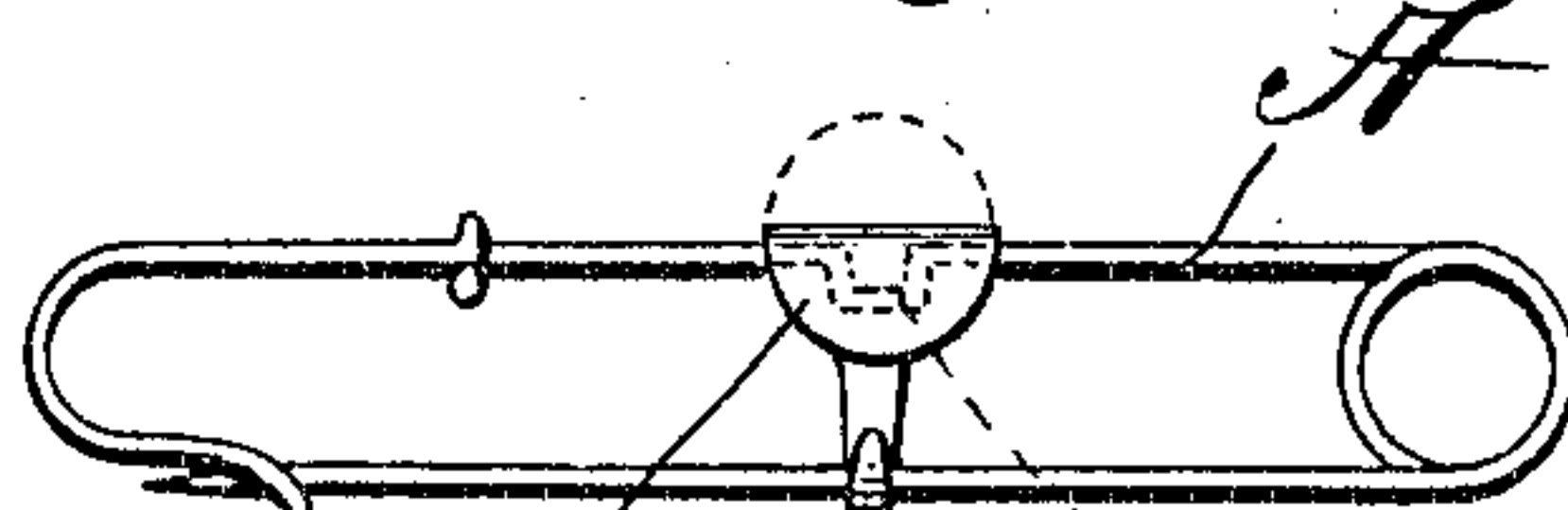
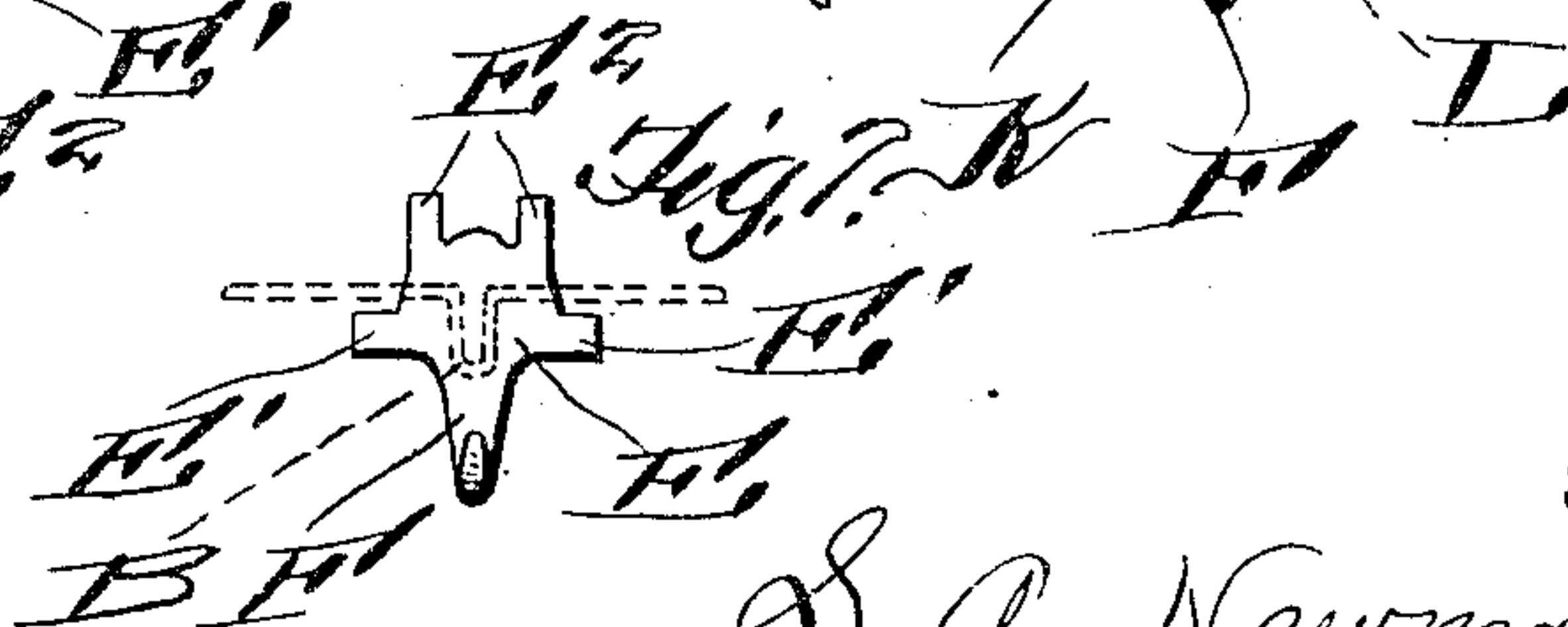


Fig. 7.



Witnesses

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SAFETY-PIN.

No. 849,558.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed May 11, 1906. Serial No. 316,415.

To all whom it may concern:

Be it known that I, STEPHEN A. NEWMAN, a citizen of the United States, residing at Cassville, in the county of Barry and State of Missouri, have invented certain new and useful Improvements in Safety-Pins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in safety-pins and fasteners, and comprises means whereby the resilient arm having the point of the pin may be held rigidly by means of a plate which is folded upon itself over the wire of the pin, thereby affording a means for thoroughly bracing the pin.

My invention comprises various other details of construction and combinations and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved safety-pin. Fig. 2 is an enlarged sectional view upon line 2 2 of Fig. 1. Fig. 3 is a side elevation of the pin with the plate removed. Fig. 4 is a detail view of the plate, and Figs. 5 and 6 are detail views of slightly-modified forms of my invention. Fig. 7 is a detail view of the modified form of clamping-plate shown in Fig. 5.

Reference now being had to the details of the drawings by letter, A designates a safety-pin having a loop B formed in the back thereof without twisting the pin upon itself, as is commonly the practice in making safety-pins with integral hooks, and which twisting has a tendency to weaken the pin at the angles formed by the twisting.

C designates a plate, which may be of any desirable shape and is provided with a central opening D and a neck C', which terminates in a hook C². The upper portion of said plate is adapted to be folded over the back of the pin and over said loop or hook B, so that the opposite marginal edges of the opening in said plate will come opposite each

other, as shown in Fig. 1 of the drawings, with the strips of the plate forming reinforcing members for the parts of the wire adjacent to the location where said loop or hook is formed. One end of said plate is provided with a groove I, adapted to receive the neck C' of the plate when the latter is bent upon itself. After the plate has been bent in the manner shown, thereby securely clamping the back portion of the pin and the loop or bend therein, the pin is in readiness to be attached to any fabric by taking two stitches therein, one at each side of the portion of the pin which is adapted to engage the hook C². When the pin is attached to a fabric in the manner shown, it will be noted that the strain coming upon the central portions of the pin is relieved by the utilization of the plate and the parts of the pin engaged by the plate in the manner shown will be reinforced and braced, thereby securely holding the same from bending incident to any pressure that may come upon the pin.

In Fig. 5 of the drawings I have shown a slight modification of my invention, in which the central clamping-plate E is provided with wings E' and E², the former projecting laterally from the plate and the latter from one end thereof, and said wings are adapted to fold over the bent portion of the back of the pin to securely hold the plate from longitudinal movement on the pin and also serving as a means for bracing the pin, while the contracted end F of the plate is bent to form a hook to engage the resilient arm having the pin-point, said pin being adapted to engage the fabric in the same manner as before described of the pin illustrated in Fig. 1 of the drawings.

In Fig. 6 I have shown a still different modification of said plate, in which the upper end K thereof is circular-outlined and adapted to bend over an angular portion L, formed in the back of the pin, while the neck of said plate is bent to form the usual hook F. In said Fig. 6 of the drawings the semicircular portion is shown in dotted lines in the position it would assume before the same is bent upon itself in the manner shown in solid lines.

From the foregoing it will be observed that by the provision of a pin made in accordance with my invention a simple and efficient means is afforded for supporting a garment and preventing the pin from being bent at

the location where a considerable strain comes upon the pin-point and also upon the back of the pin, the strain being divided upon each side of the central support, as will
5 be clearly understood.

What I claim is—

1. A safety-pin made up of a single piece of wire which has its shank portion bent to form a loop at right angles thereto, a metallic
10 plate having a contracted portion adapted to be bent over said shank portion and said loop and extending upon both sides of the latter, said contracted portion of the plate being bent to form a hook opposite said loop and
15 adapted to receive the middle portion of the fabric-engaging part of the pin, as set forth.

2. A safety-pin made of a single piece of

wire having its shank portion bent to form a loop at right angles thereto, a plate having a longitudinal slot and provided with a con- 20 tracted portion which is bent to form a hook, said plate adapted to be bent about said shank portion of the pin with the loop positioned in said slot, the shank portion of said hook being adapted to seat in a recess formed 25 at the end of said plate, the fabric-engaging portion of the pin designed to engage said hook, as set forth.

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

STEPHEN A. NEWMAN.

Witnesses:

L. F. JONES,

M. HORINE.