

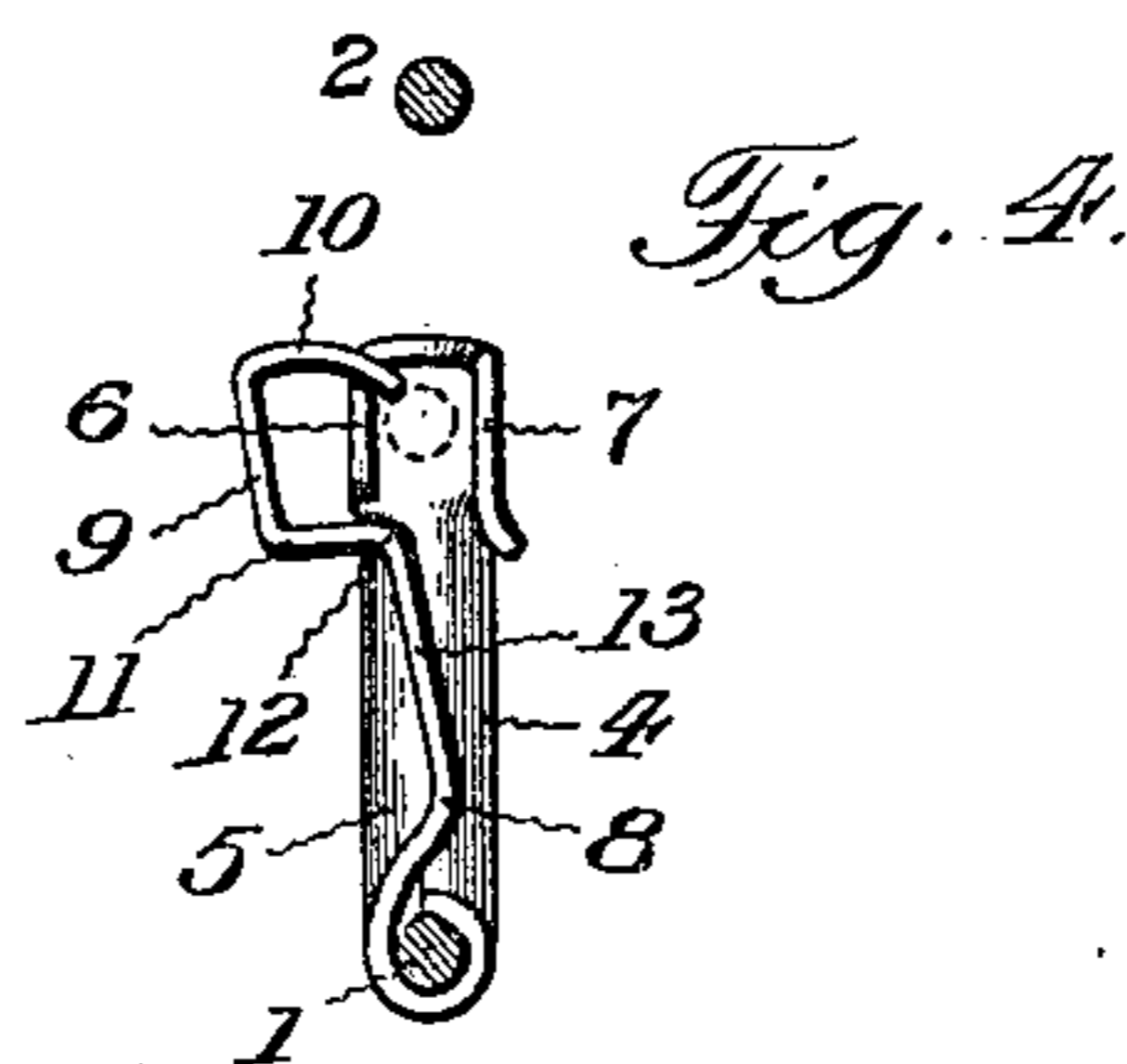
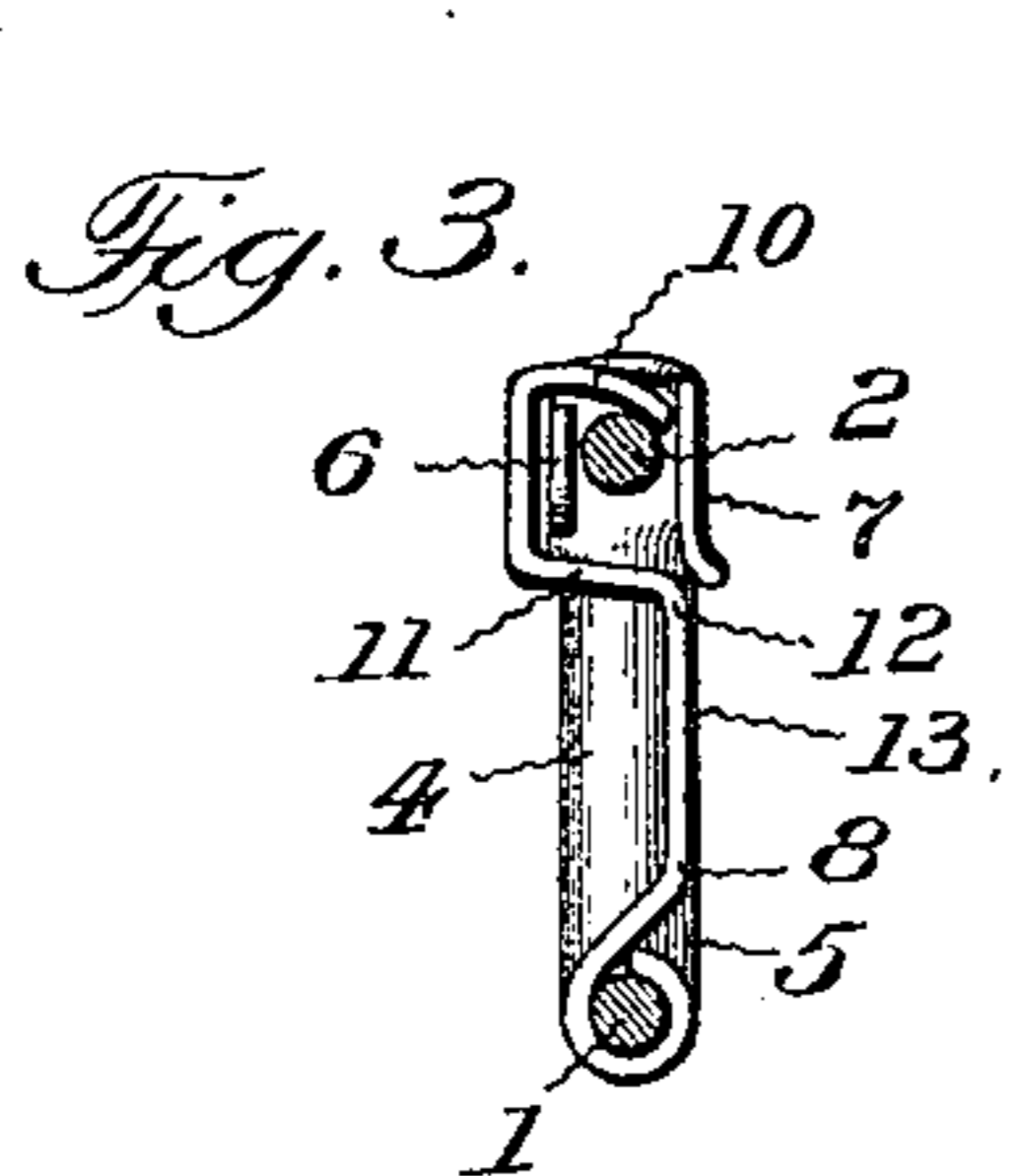
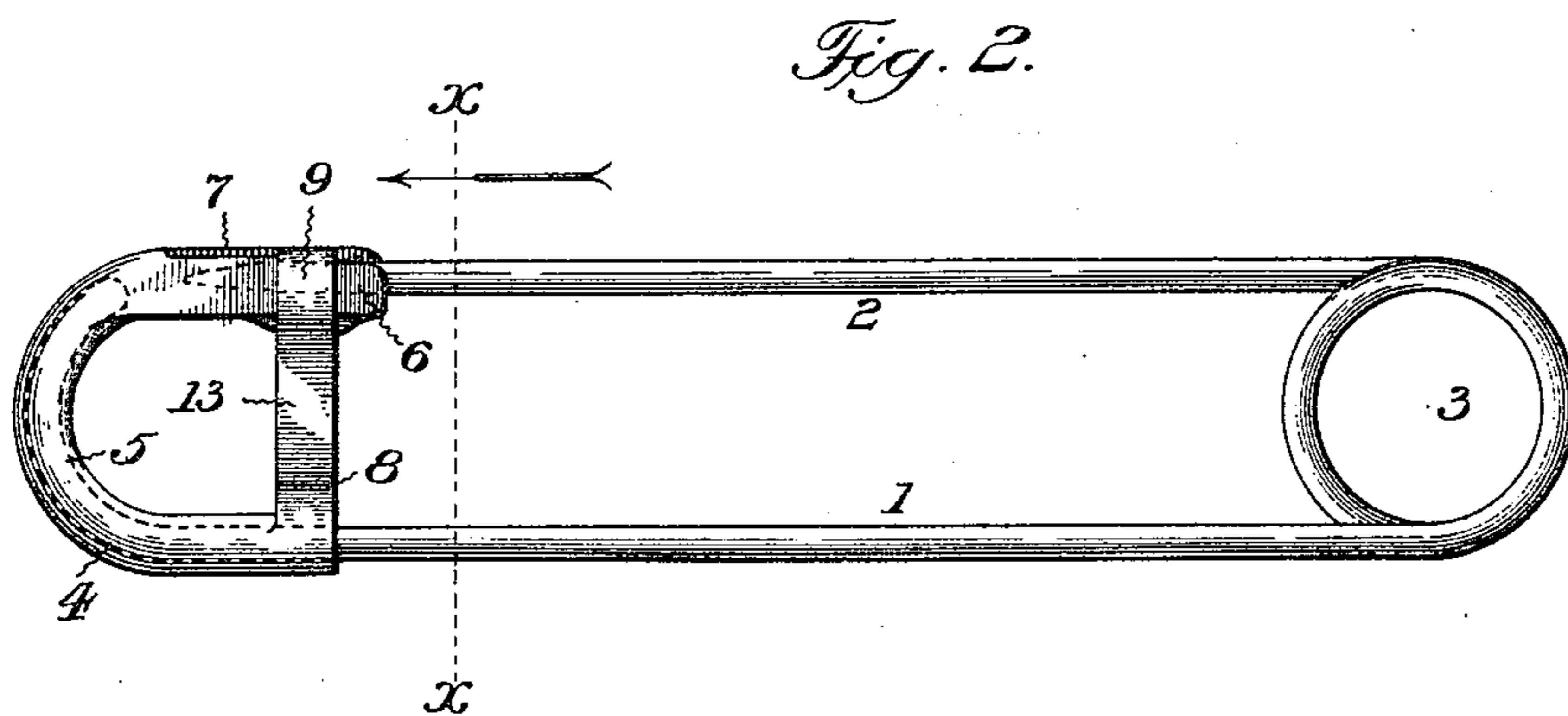
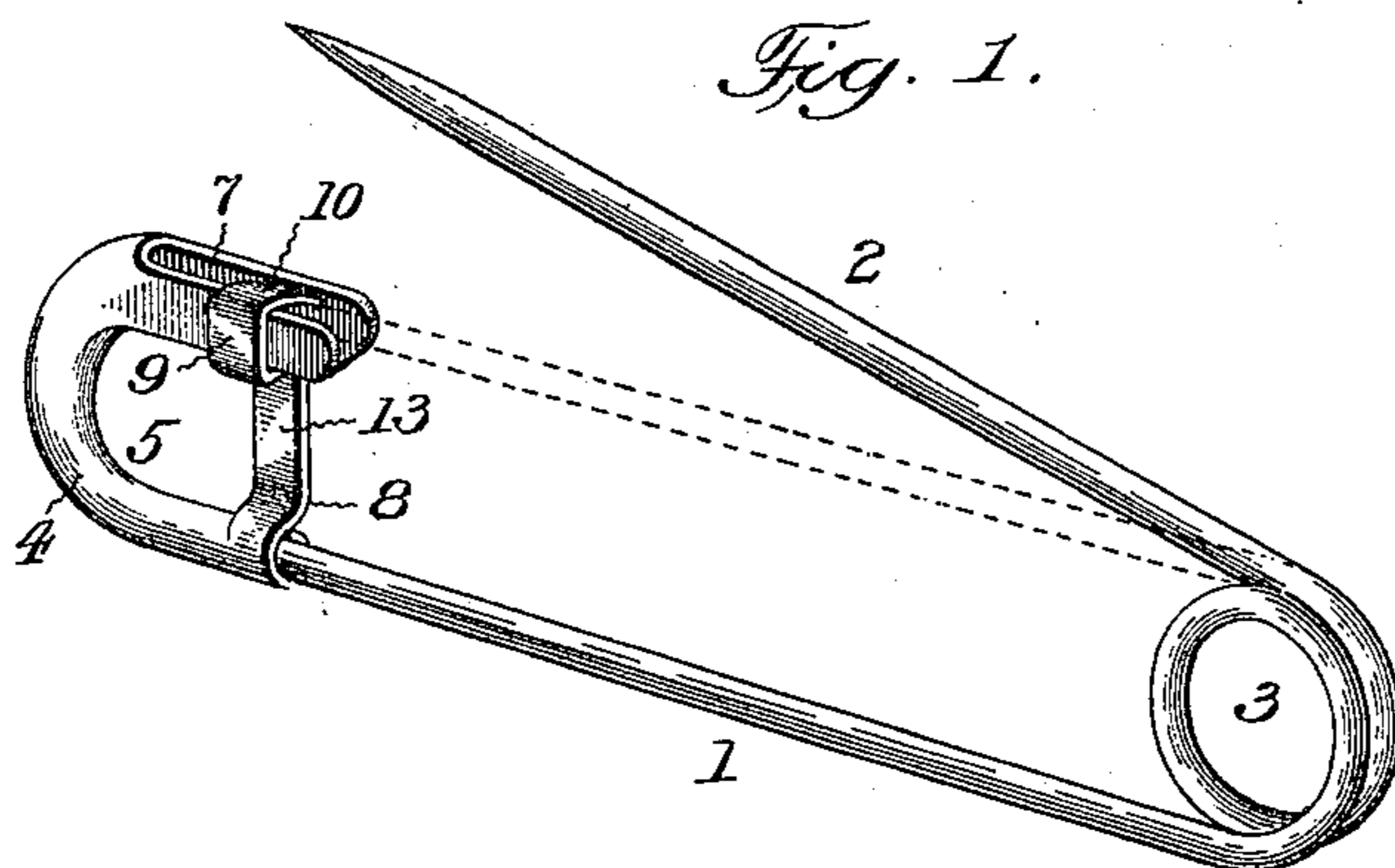
No. 670,105.

Patented Mar. 19, 1901.

C. HUBERTY.  
SAFETY PIN.

(Application filed Nov. 19, 1900.)

(No Model.)



Attest:  
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# UNITED STATES PATENT OFFICE.

CLEMENS HUBERTY, OF CHICAGO, ILLINOIS.

## SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 670,105, dated March 19, 1901.

Application filed November 19, 1900. Serial No. 37,067. (No model.)

*To all whom it may concern:*

Be it known that I, CLEMENS HUBERTY, a citizen of the United States of America, and a resident of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Safety-Pins, of which the following is a specification.

The present invention relates to safety-pins for use in safely securing together articles of wearing-apparel and for other kindred uses.

The object of the present improvements is to provide a simple, durable, and effective means for engaging and holding in a very secure manner the pointed or free end of the cloth-engaging member of a safety-pin and which also afford means for a ready and convenient manual actuation to release such engagement when so desired, all as will hereinafter more fully appear and be more particularly pointed out in the claims. I attain such object by the construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a safety-pin embodying the present improvement, the parts being shown in an opened position; Fig. 2, a side elevation of the same; Figs. 3 and 4, transverse sectional elevations at line  $x x$ , Fig. 2, and illustrating, respectively, the opened and closed condition of the parts.

Similar numerals of reference indicate like parts in the several views.

Referring to the drawings, 1 and 2 represent the respective main members of the safety-pin, arranged in substantially parallel relation and connected together at one end by means of a spring-loop 3 or other usual and well-known hinge provision. In the present construction the member 1 will have its end opposite to the hinge-loop 3 bent upon itself to afford a means for the permanent attachment of the keeper-piece 4, and in the present improvement such keeper 4 will be preferably formed of spring metal and will comprise a main body or attaching portion 5, adapted to embrace the bent end of the member 1 and be permanently secured thereto by solder or other usual means, and a pair of guide-cheeks 6 and 7 are in parallel and separated relation and adapted to receive between them the pointed end of the safety-pin member 2 to prevent lateral movement of the same.

8 is a spring latch-piece attached at its base to the member 1, preferably by constituting an integral part of the keeper 5. The opposite end of such latch-piece is extended toward the guide-cheeks 6 and 7 and is formed with a rectangular hook-shaped portion 9, that is adapted to embrace the nearest guide-cheek 6 and is adapted to have limited lateral movement with relation to the same, so that when in its closed position, as illustrated in Fig. 3, the rectangular hook-shaped portion 9 of the spring-latch will, in connection with the pair of cheeks 6 and 7, constitute a closed chamber that receives and confines the pointed end of the safety-pin member 2. As so constructed the outer bend or member 10 of such hook-shaped latch will engage the pointed end of the safety-pin member 2 to prevent the normal tendency of the same to spring outward from its engaged position, and to such end the said bend or member 10 will be preferably arranged in an oblique position with relation to the other portions of the rectangular hook-shaped portions of the latch, as illustrated in Figs. 1, 3, and 4.

In the present improved construction the rectangular form of the engaging end of the spring-latch is material to the efficiency of the present invention, in that its intermediate bend 11 will constitute a stop to prevent an accidental inward disengagement of the pointed end of the safety-pin member 2, while the shoulder 12, formed by the union of the bend 11 and the flat spring portion or member 13 of the latch, affords a convenient point of engagement for the finger of the user in pushing the spring-latch in a lateral direction from its engagement with the pointed end of the safety-pin member 2. The engagement of such pointed end of the safety-pin member is also insured in a ready and convenient manner by such construction, in that by pressing such point against the straight spring portion 13 the said pointed end will be guided in a certain manner into proper engagement with the spring-latch.

While I prefer to construct the spring latch-piece 8 in one piece integral with the keeper 4, it is still within the scope of the present invention to form the same as a separate piece, and also to form the same of spring-wire, either in whole or in part, as may be deemed best by

the manufacturer or as the particular use to which the invention is applied may suggest.

Having thus fully described my said invention, what I claim as new, and desire to secure 5 by Letters Patent, is—

1. In a safety-pin, the combination with the main safety-pin members, of a keeper formed with a pair of fixed guide-cheeks having separated relation, and a laterally-moving 10 spring catch-piece adapted to engage and hold the pointed end of the safety-pin member in a closed position, against an outward disengagement, the lateral movement of such pointed end being prevented by said guide- 15 cheeks, substantially as set forth.

2. In a safety-pin, the combination with the main safety-pin members, of a keeper formed with a separated pair of guide-cheeks, and a laterally-moving spring catch-piece 20 formed with a rectangular hook-shaped engaging portion which is adapted to engage and hold the pointed end of the safety-pin member in a closed position against an out-

ward disengagement, the lateral movement of such pointed end being prevented by said 25 guide-cheeks, substantially as set forth.

3. In a safety-pin, the combination with the main safety-pin members, of a keeper formed with a separated pair of guide-cheeks, and a laterally-moving catch-piece formed 30 with a rectangular hook-shaped engaging portion the outer end of which has an oblique arrangement, said catch-piece being adapted to engage and hold the pointed end of the safety-pin member in a closed position against 35 an outward disengagement, the lateral movement of such pointed end being prevented by the said guide-cheeks, substantially as set forth.

Signed at Chicago, Illinois, this 17th day 40 of November, 1900.

CLEMENS HUBERTY.

Witnesses:

ROBERT BURNS,  
HENRY A. NOTT.