

J. JOHNSON.  
SAFETY PIN.  
APPLICATION FILED AUG. 16, 1909.

951,567.

Patented Mar. 8, 1910.

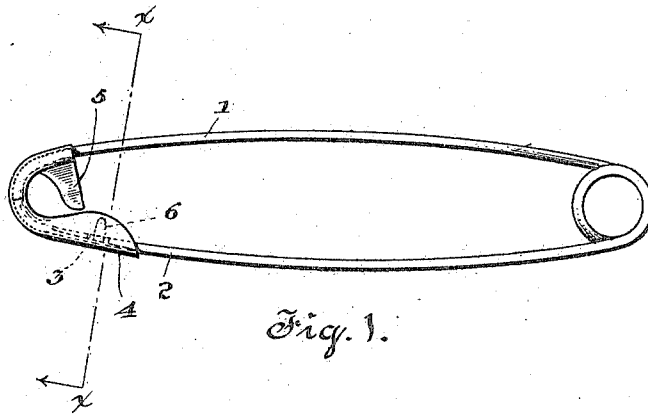


Fig. 1.

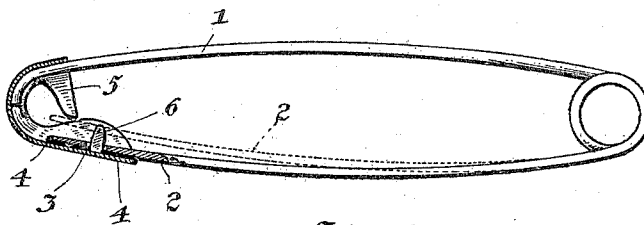


Fig. 2.

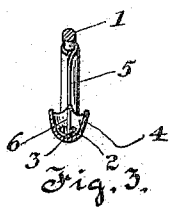


Fig. 3.

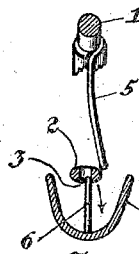


Fig. 4.

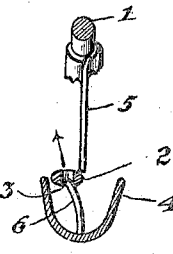


Fig. 5.

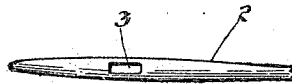


Fig. 6.

Witnesses:

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*B. G. Richards*

Inventor:

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By *Joshua A. Torrey*  
her Attorney.

# UNITED STATES PATENT OFFICE.

JOSEPHINE JOHNSON, OF GARY, INDIANA.

## SAFETY-PIN.

951,567.

Specification of Letters Patent.

Patented Mar. 8, 1910.

Application filed August 16, 1909. Serial No. 513,067.

*To all whom it may concern:*

Be it known that I, JOSEPHINE JOHNSON, a citizen of the United States, residing at Gary, county of Lake, and State of Indiana, have invented certain new and useful Improvements in Safety-Pins, of which the following is a specification.

My invention relates to improvements in safety pins and has for its object the production of a safety pin of simple construction in which the point of the piercing member shall be securely locked in closed position against accidental displacement but shall be easily removed or replaced when desired.

My invention consists in the combination and arrangement of parts hereinafter described and claimed.

My invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a side elevation of a safety pin embodying my invention, Fig. 2, a similar view partially in section, Fig. 3, a section on line *x-x* of Fig. 1, Fig. 4, an enlarged view similar to Fig. 3 but showing the relation of the parts when piercing member point is being inserted in its sheath, Fig. 5, a view similar to Fig. 4 but showing the relative positions of the parts when the piercing member point is being removed from its sheath, and Fig. 6, an enlarged view of the point of the piercing member.

The pin comprises the usual body member 1 and piercing member 2, the latter being provided with an eye 3 in its point. The usual sheath 4 is secured to the body member 1 and is provided with a flexible stop 5 having its end located centrally over the mouth of sheath 4 as shown. A flexible tongue 6 is secured centrally in sheath 4 so as to enter the eye in the point of the piercing member when the latter is inserted in the sheath. The stop 5 is located nearer the piercing member point than tongue 6 and the ends of the stop and tongue are less than the thickness of said piercing member point apart, transversely of the pin.

In use, the piercing member point is inserted in its sheath by applying slight lat-

eral pressure thereto which bends stop 5 to permit insertion as indicated in Fig. 4. After insertion the stop 5 springs back over the point of the pin preventing its accidental removal as indicated in dotted lines in Fig. 2. To remove the point of the piercing member slight lateral pressure is applied to the same which bends the tongue 6 as indicated in Fig. 5 thus permitting removal. By locating the ends of the tongue and stop less than the thickness of the piercing member point apart, transversely of the pin, contact with the end of the stop is insured before disengagement from the tongue unless lateral pressure is applied and by locating the stop nearer the point of the pin than the tongue, passage of said stop in removal or insertion is facilitated, owing to the fact that the point of the pin is narrower at this location.

While I have illustrated and described the preferred construction for carrying my invention into effect this may be varied or modified without departing from the spirit of my invention. I, therefore, do not wish to be limited to the exact details of construction set forth but wish to avail myself of such variations and modifications as come within the scope of the appended claim.

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

A safety-pin comprising a body; a piercing member connected therewith and provided with an eye in its point; a sheath at one end of said body and adapted to receive the point of said piercing member; a flexible tongue in said sheath and adapted to enter said eye; and a flexible stop located centrally over said sheath, the ends of said tongue and stop being less than the thickness of said piercing member point apart, transversely of said pin, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPHINE JOHNSON.

Witnesses:

JOSHUA R. H. POTTS,  
JANET E. HOGAN.