

No. 780,319.

PATENTED JAN. 17, 1905.

R. P. BROWN.  
SAFETY PIN.

APPLICATION FILED SEPT. 6, 1904.

Fig: 1.

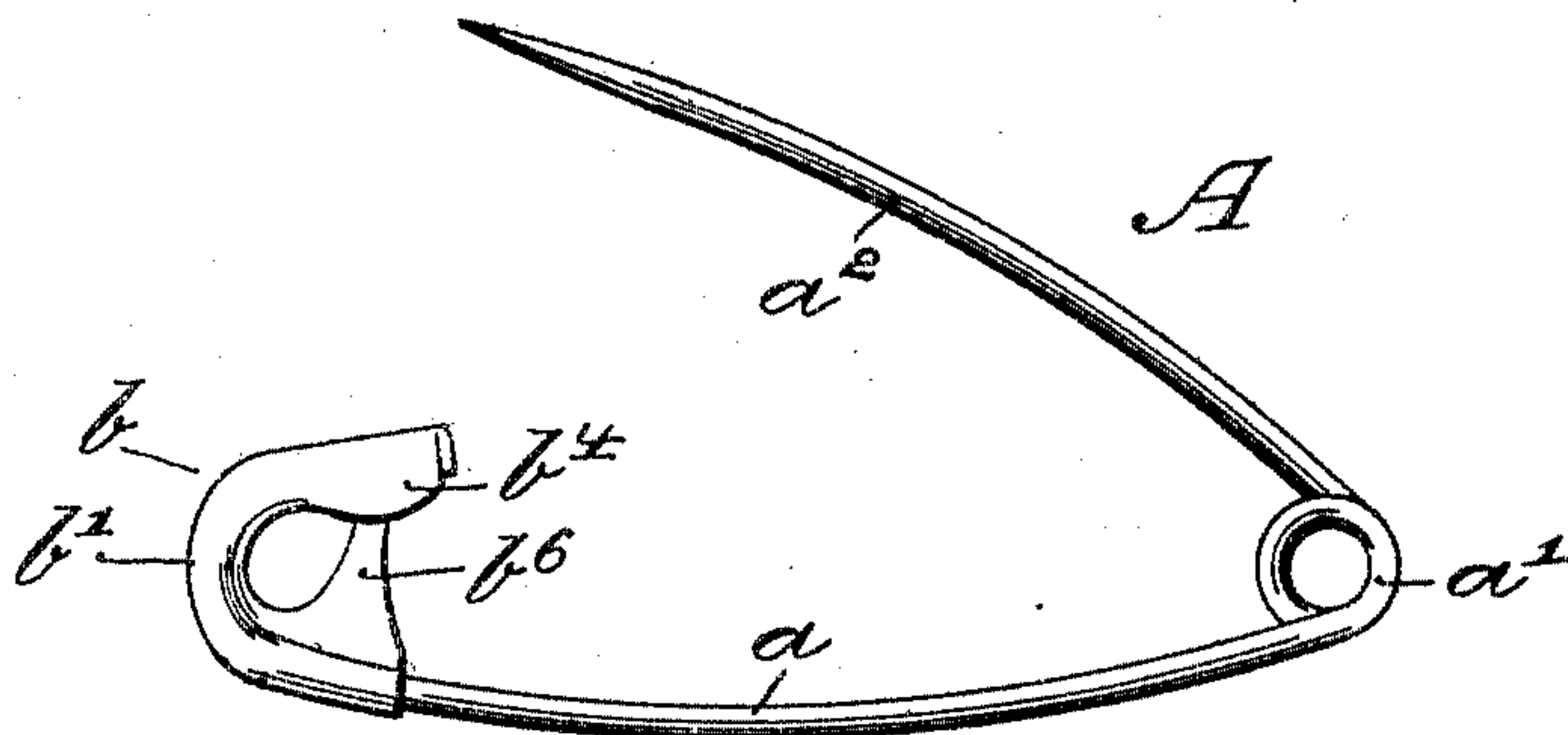


Fig: 2.

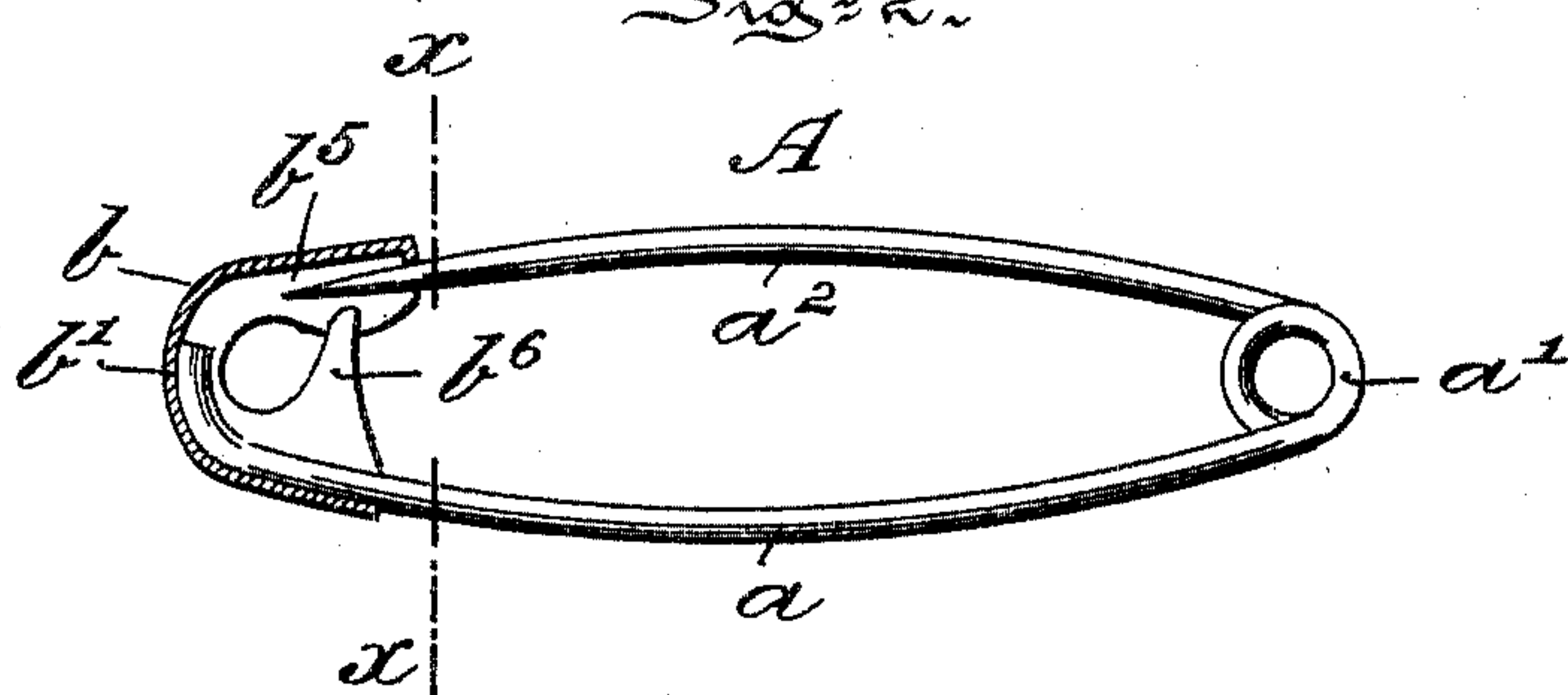


Fig: 3.

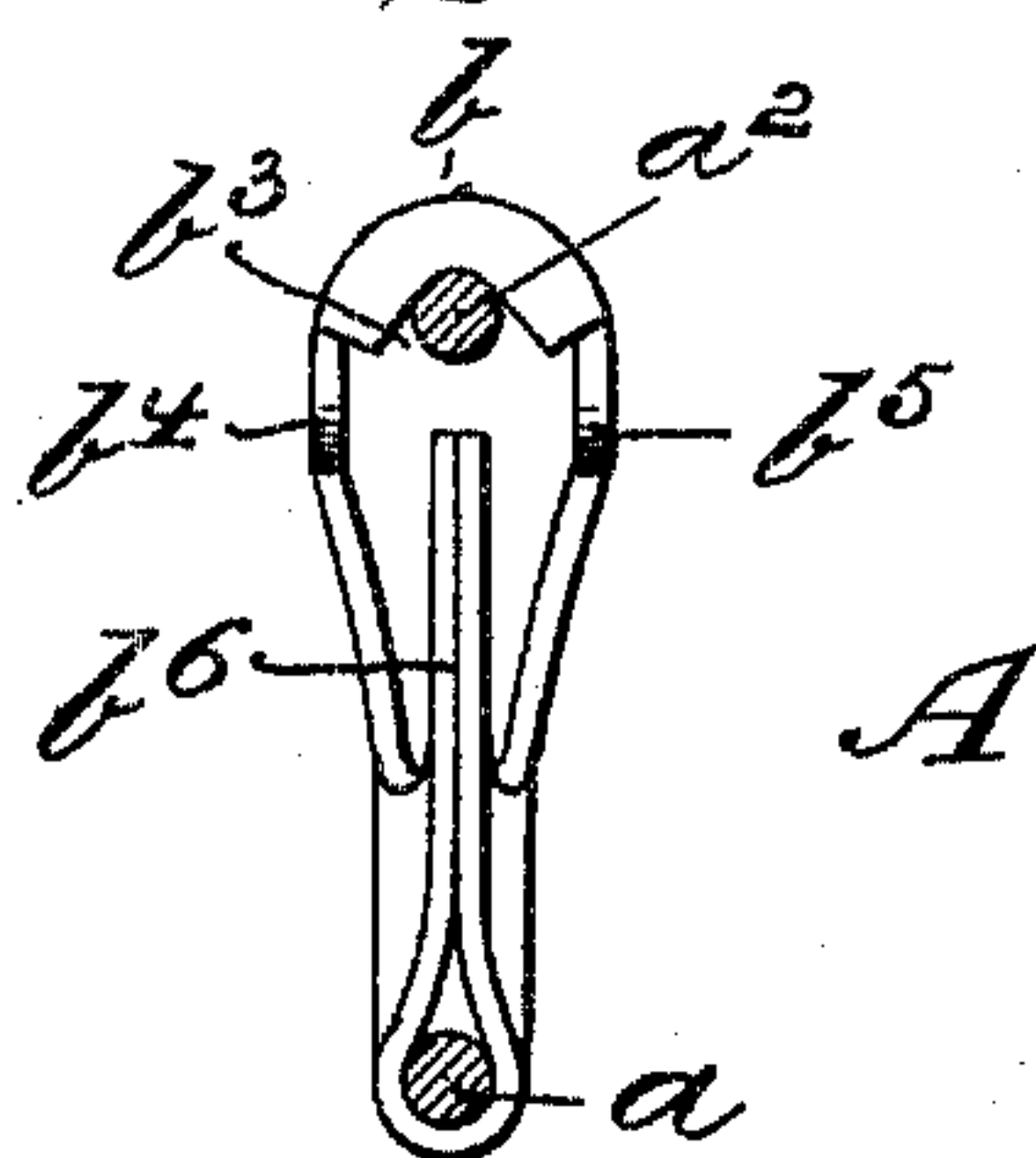
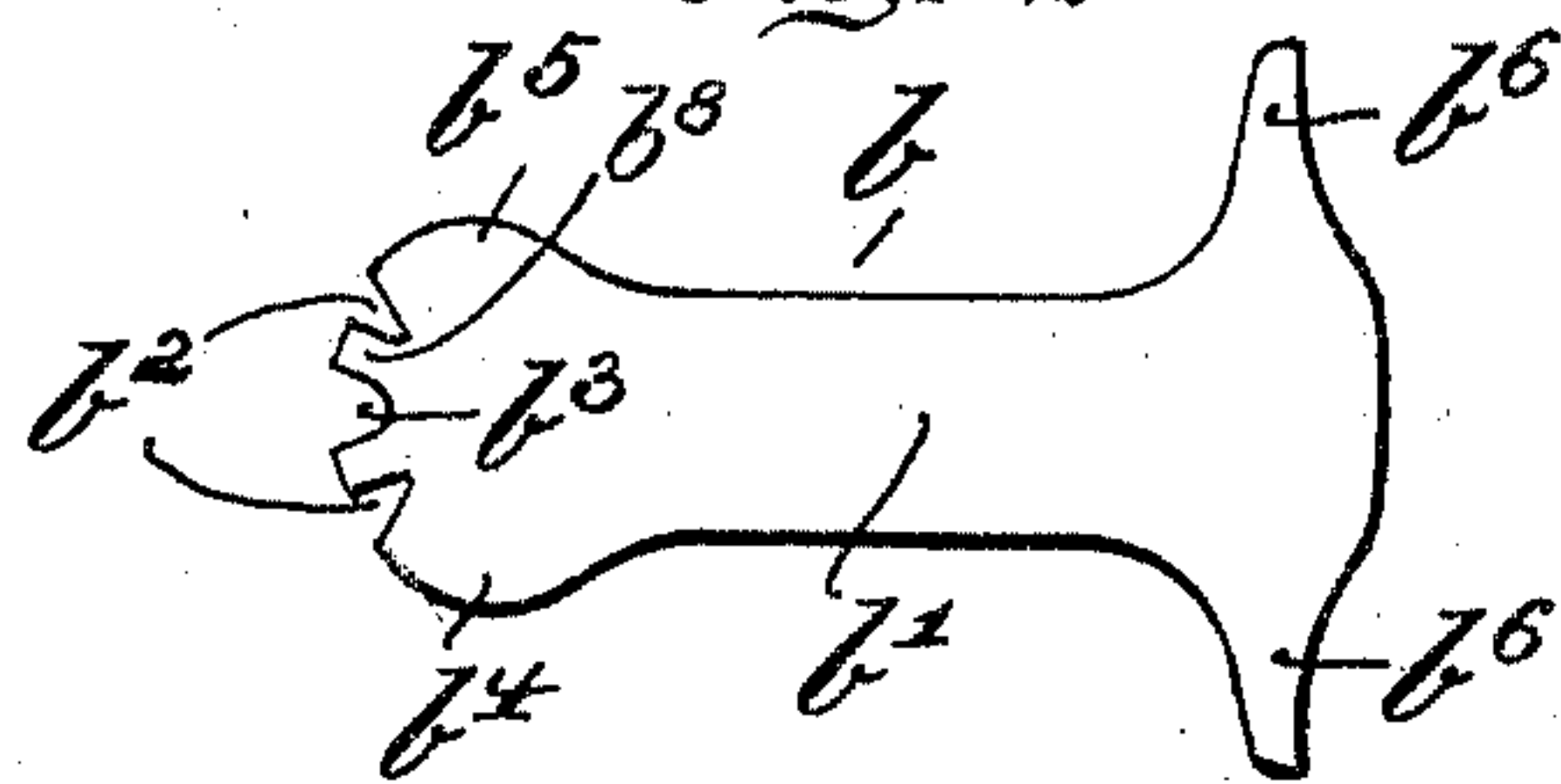


Fig: 4.



Witnesses:

Wilhelm Vogt

Jas. C. Woburnsmith

Inventor:  
Robert P. Brown,  
by J. Walter Dwyer,  
Attorneys.

# UNITED STATES PATENT OFFICE.

ROBERT P. BROWN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
ROBERT P. BROWN MANUFACTURING COMPANY, OF NEW YORK, N. Y.,  
A CORPORATION OF NEW YORK.

## SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 780,319, dated January 17, 1905.

Application filed September 6, 1904. Serial No. 223,320.

*To all whom it may concern:*

Be it known that I, ROBERT P. BROWN, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Safety-Pins, of which the following is a specification.

My invention has relation to that type of safety-pin in which the pointed movable actuating member is arranged to be locked in a guard or shield and to be held against side-wise thrust or action, the fixed member carrying the guard or shield at one end and a coiled spring for the pointed movable actuating member at the other end.

My present invention relates to certain improvements in the type of safety-pin for which Letters Patent were granted me under date of February 10, 1903, No. 720,106.

The nature, scope, and particular characteristic features of my present invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a side elevational view of a safety-pin embodying particular main features of my present invention, the pointed movable actuating member of the safety-pin being illustrated as released from the guard or shield of the fixed member thereof. Fig. 2 is a similar view of the pin, but partly sectioned, the pointed end of the pin being illustrated as locked in the guard or shield of the fixed member. Fig. 3 is a cross-sectional view through the pin on the line  $x x$  of Fig. 2, and Fig. 4 is a plan view of the blank from which the guard or shield for the pin is formed or struck up.

Referring to the drawings, A represents the safety-pin, comprising a fixed member  $a$ , having at one end a coil  $a'$ , from which, as an extension thereof, is provided a pointed movable actuating member  $a^2$ . To the left-hand end of the fixed member  $a$ , as illustrated, is secured the guard or shield  $b$ , forming a continuation of the fixed member. The guard or shield  $b$  has a head  $b'$ , from which when it assumes its connection with the fixed member

$a$  forms an arch over and beyond the member  $a$ . The face of the shield or guard  $b$  is provided with a projection  $b^8$ , which when bent over into the position shown in Figs. 1 and 3 forms a seat  $b^3$ , of substantially V-shape outline, for the pointed end of the movable actuating member  $a^2$  of the pin A. In order to permit of the bending of the projection  $b^8$  so that the same may assume a position at right angles to wings  $b^4$  and  $b^5$  of the shield or guard  $b$ , the projection  $b^8$  is separated from the wings  $b^4$  and  $b^5$  by notches  $b^2$ . When the pointed end of the movable member  $a^2$  is in engagement with the seat  $b^3$  of the projection  $b^8$  of the shield or guard, it will be securely held in engagement with the projection  $b^8$ , and thus while so held prevented from transverse movements in its locked position in the shield or guard  $b$ . From the head on both sides are the wings  $b^4$  and  $b^5$ , and projecting upward from the base of the guard or shield  $b$  is a triangular-shaped projection  $b^6$  to not only guide the pointed end of the movable member of the safety-pin into the seat of a guard or shield  $b$ , but also to serve as a means to prevent slipping of the pointed member from its seat in the shield or guard  $b$  while in locking engagement with the projection  $b^8$  thereof.

Having thus described the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

A safety-pin having a fixed member connected by a coil with a pointed movable actuating member and a guard or shield connected with one end of the fixed member, and having a head with wings and a projection, the latter arranged intermediate of said wings, and said projection bent to assume a position parallel to the end edges of said wings and to form a seat for the pointed end of the movable member adapted to be held against transverse movement, while in engagement with the seat of said projection.

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses.

ROBT. P. BROWN.

Witnesses:

J. WALTER DOUGLASS,  
THOMAS M. SMITH.