

No. 620,502.

Patented Feb. 28, 1899.

J. H. ROLAND.
HAT FASTENER.

(Application filed Nov. 7, 1898.)

(No Model.)

2 Sheets—Sheet 1.

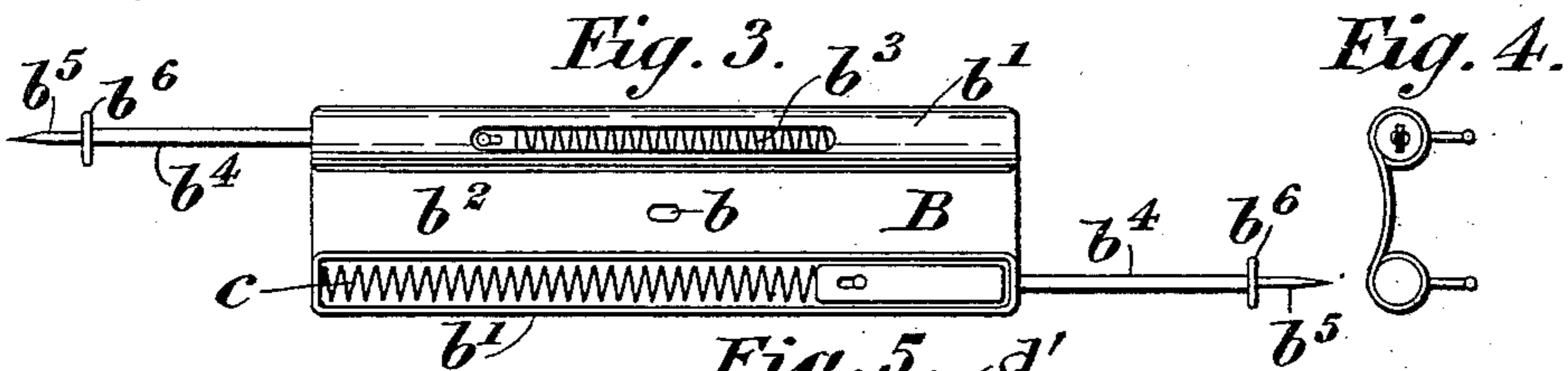
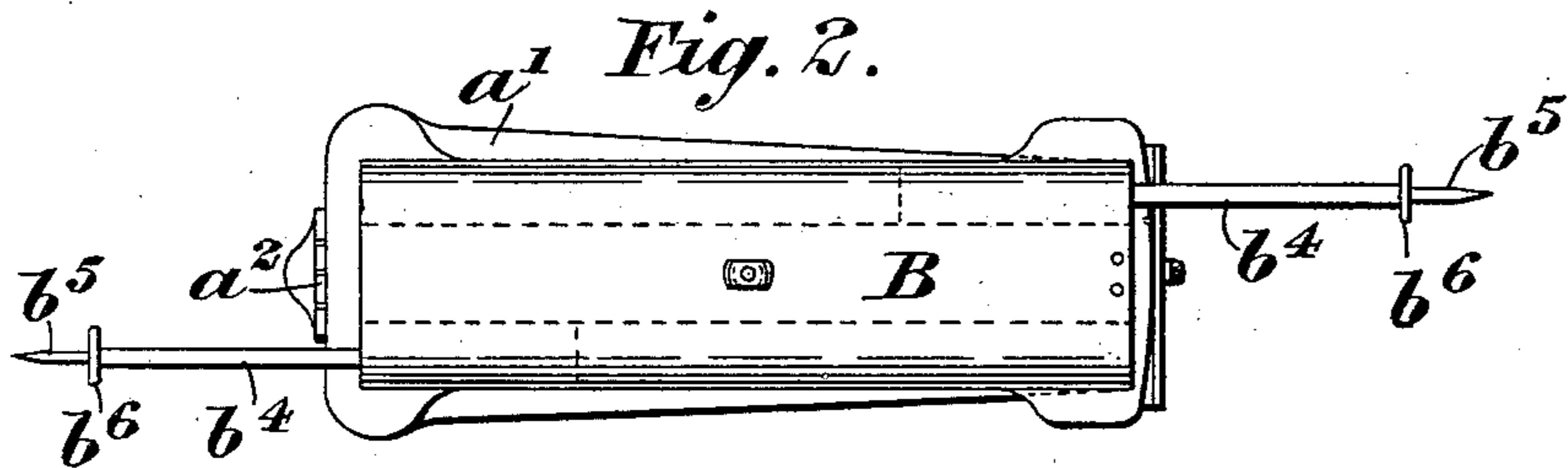
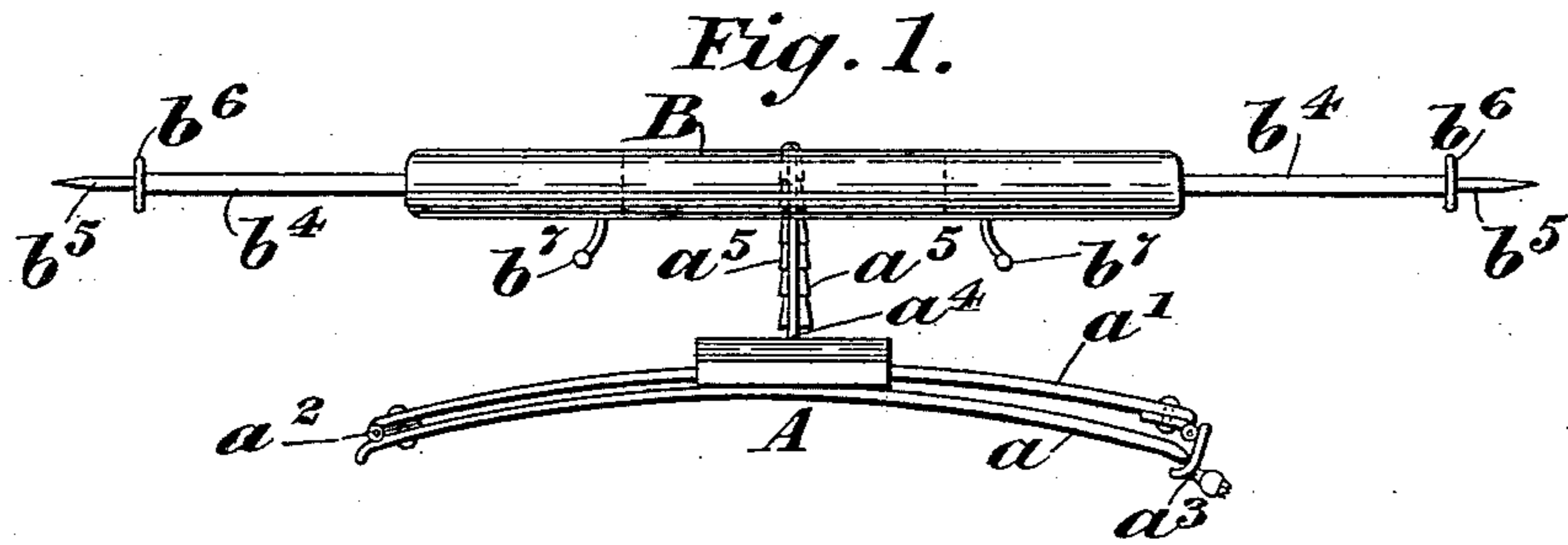


Fig. 4.



Fig. 9.

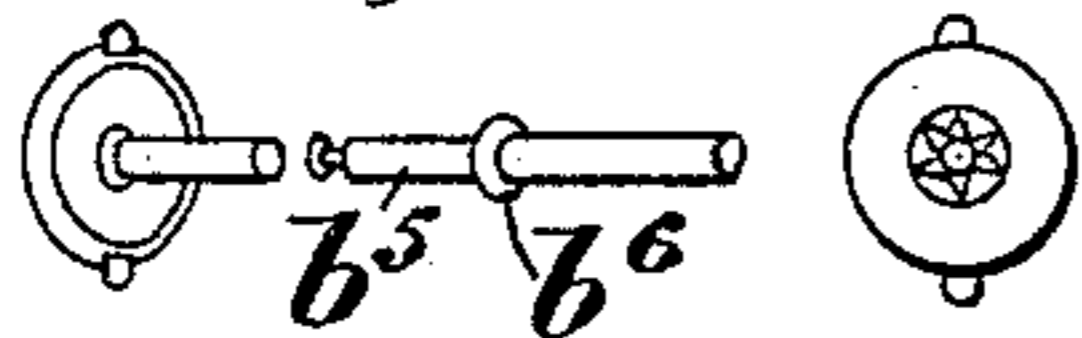


Fig. 5.



Fig. 7.

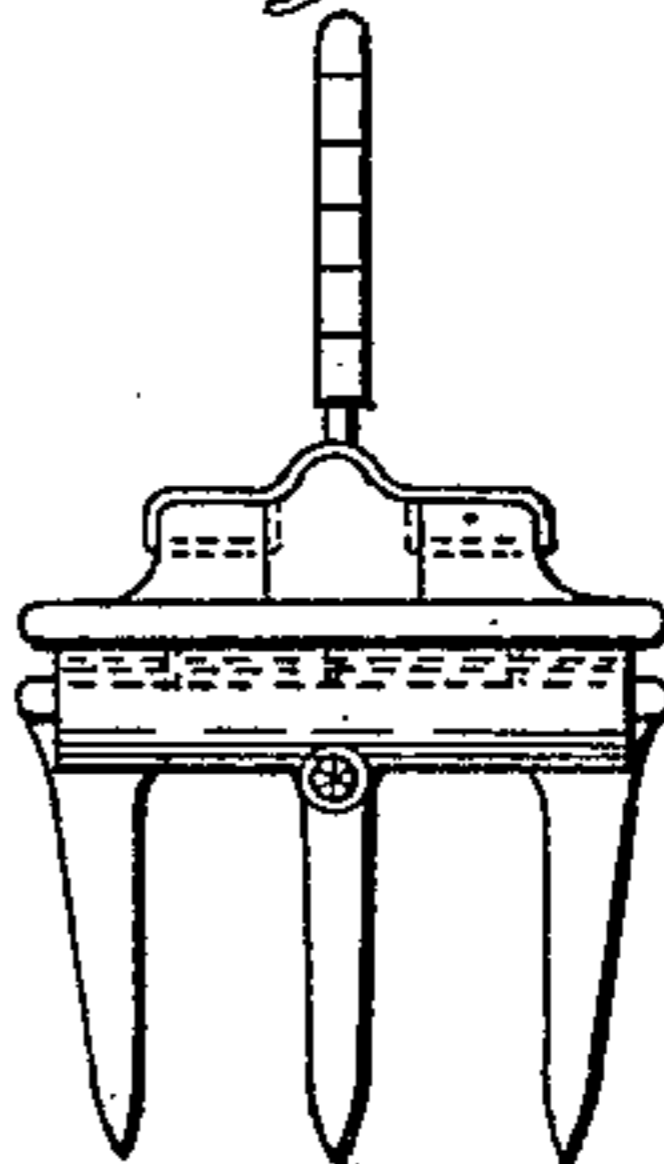


Fig. 10.

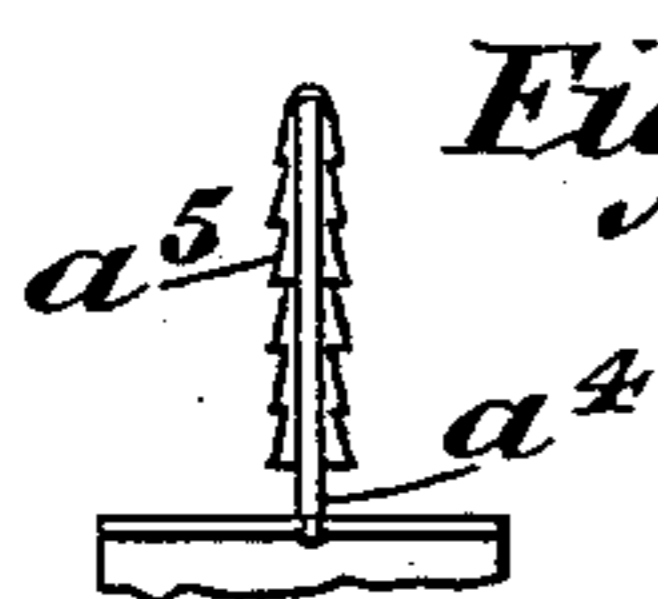


Fig. 6.

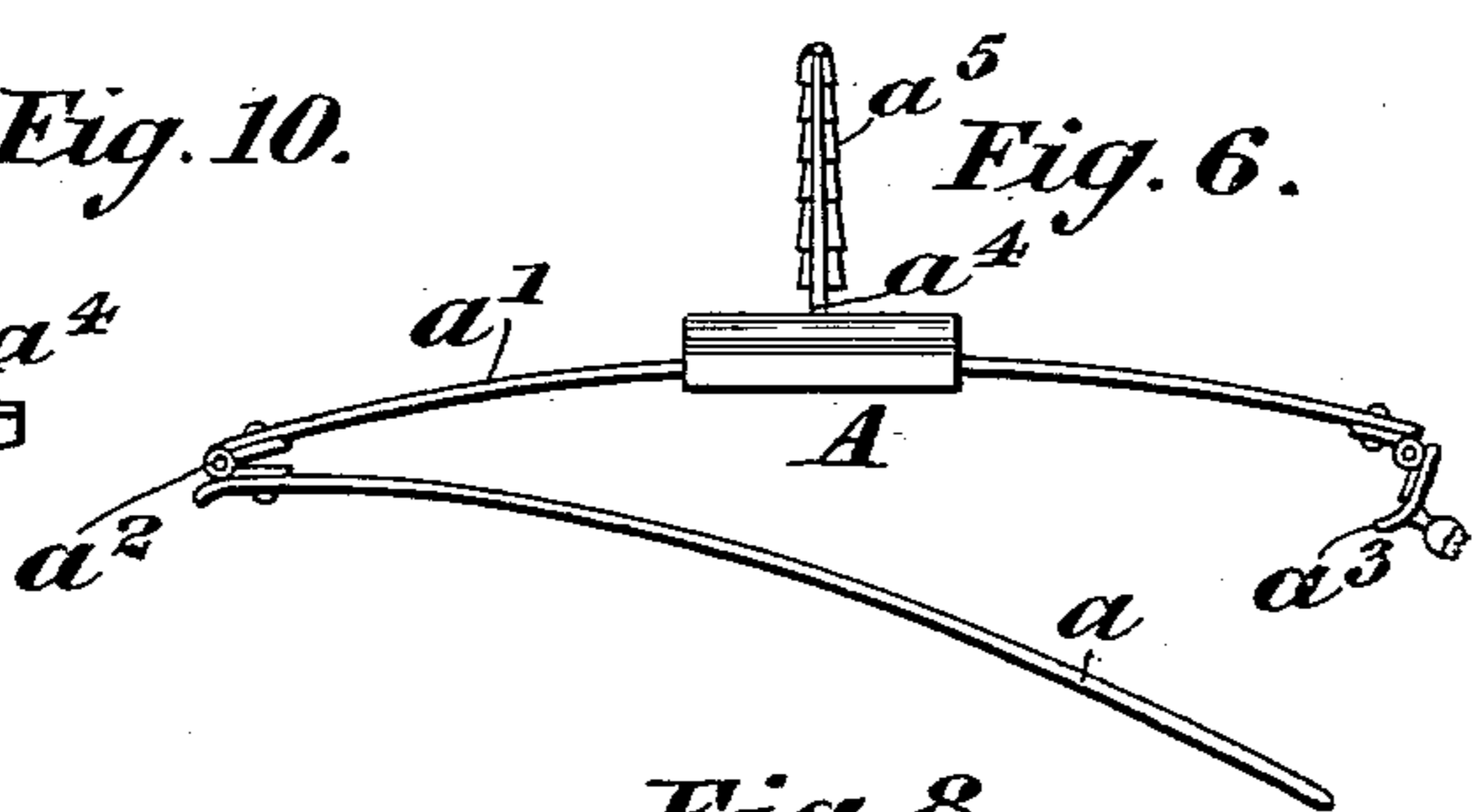
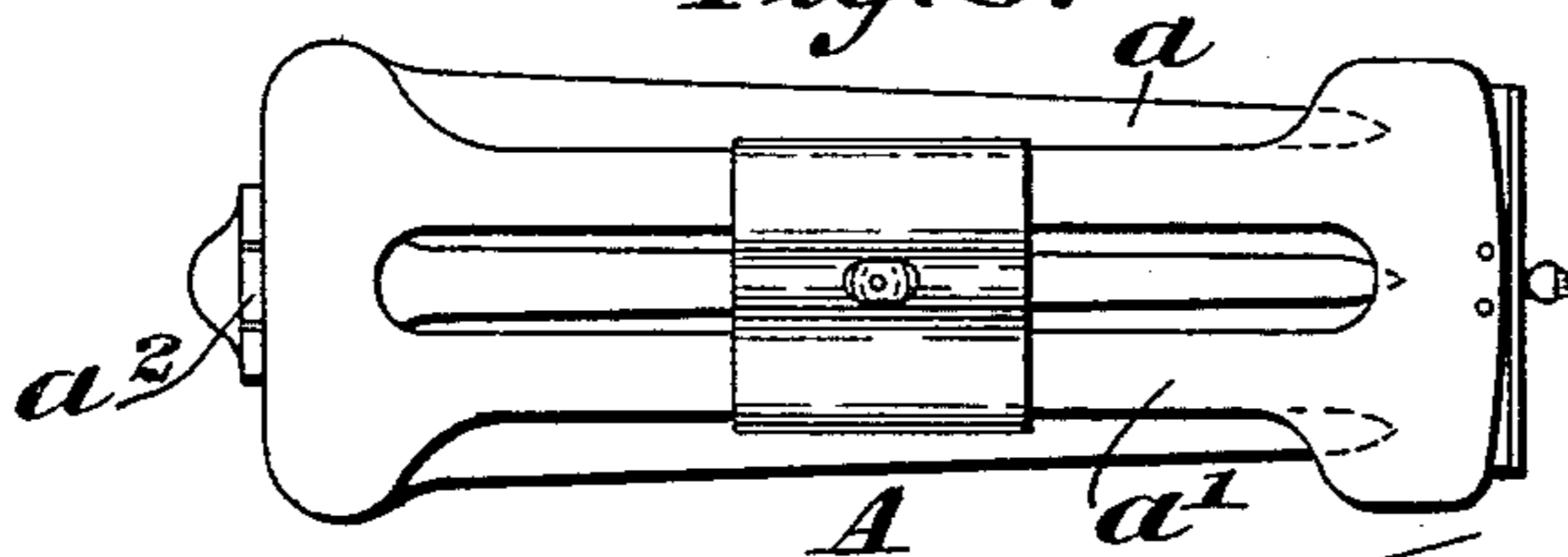


Fig. 8.



Witnesses
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Fig. 11.

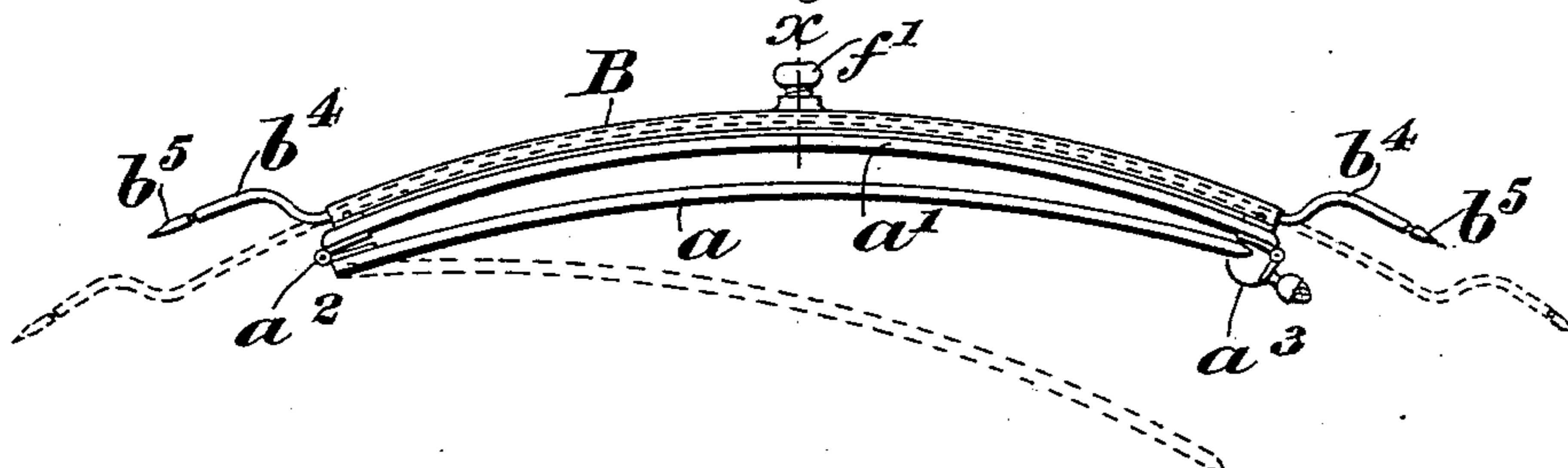


Fig. 12.

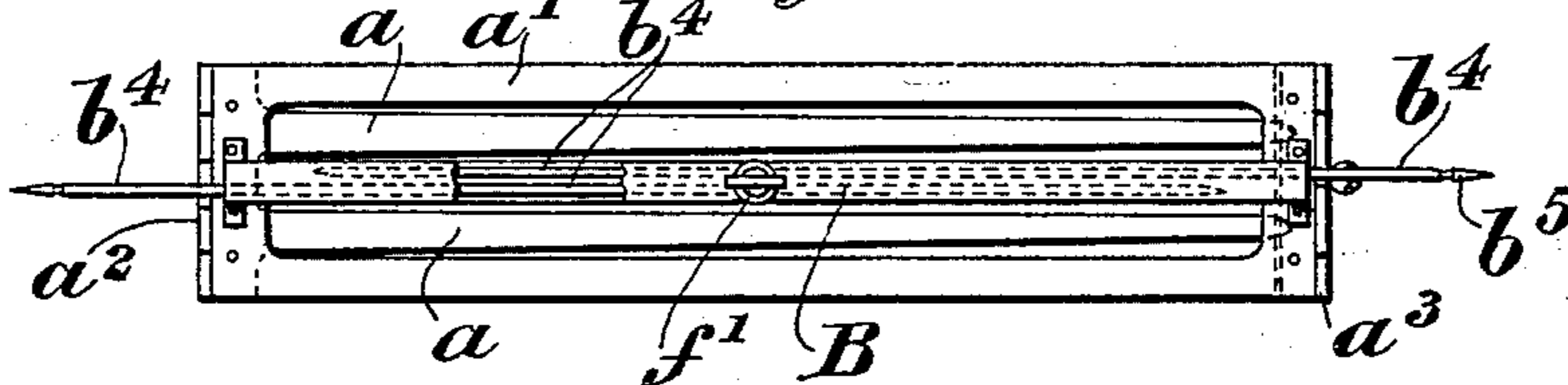


Fig. 13.

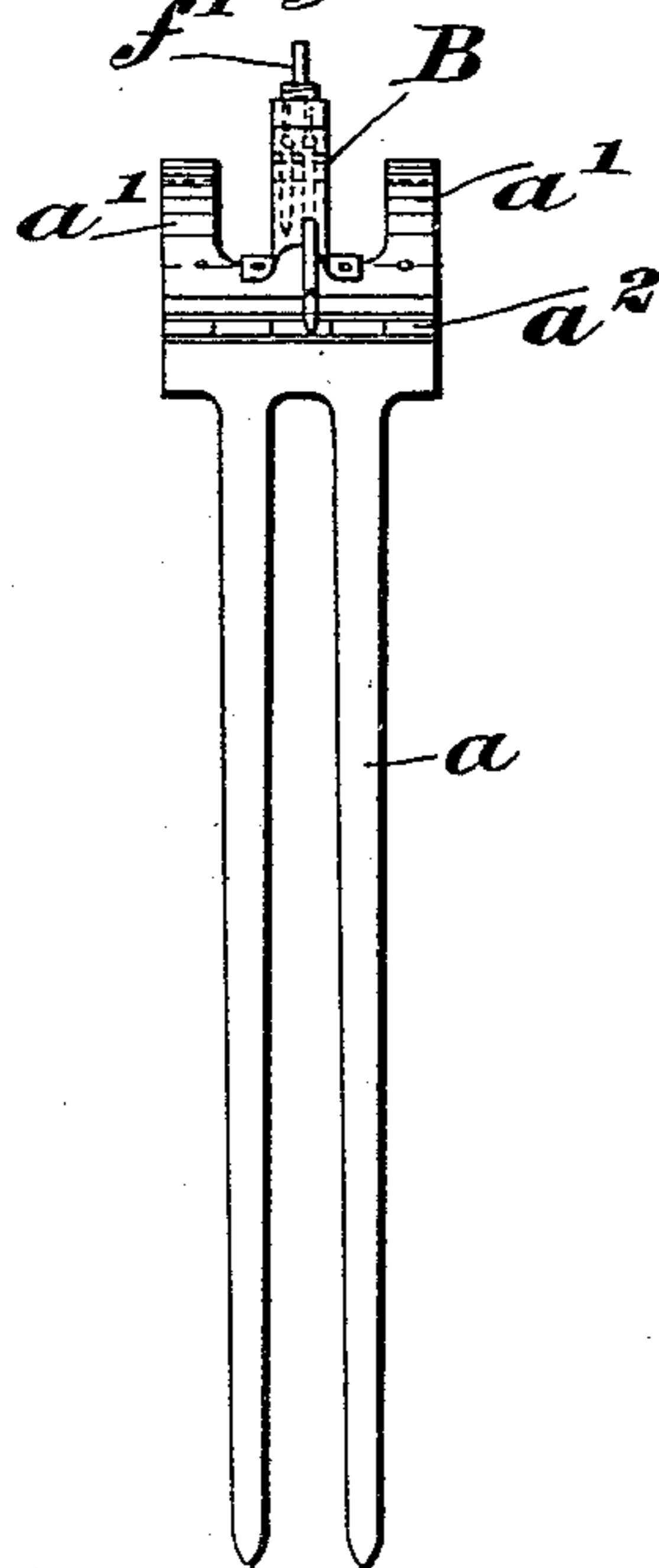


Fig. 14.

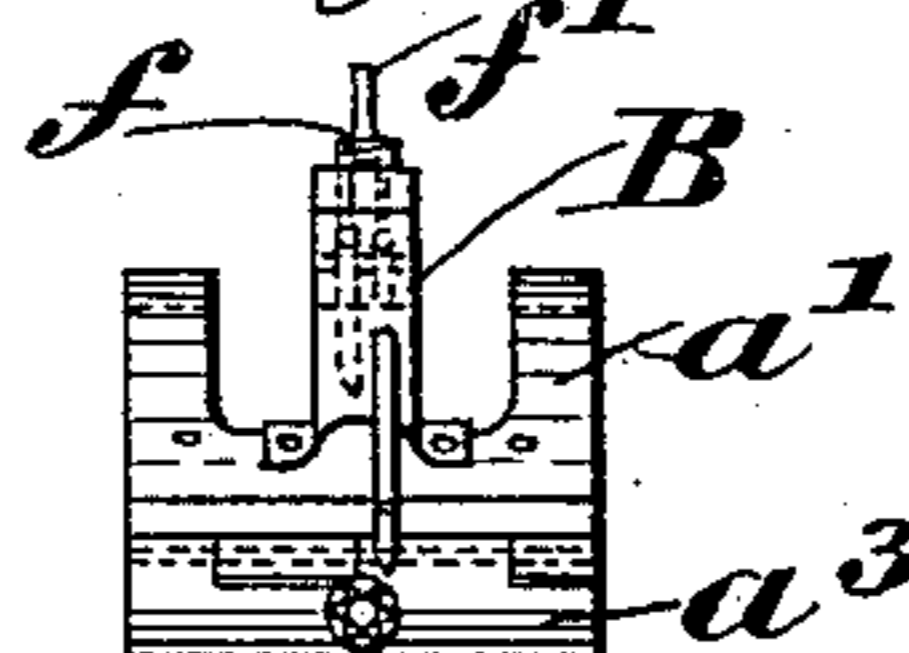
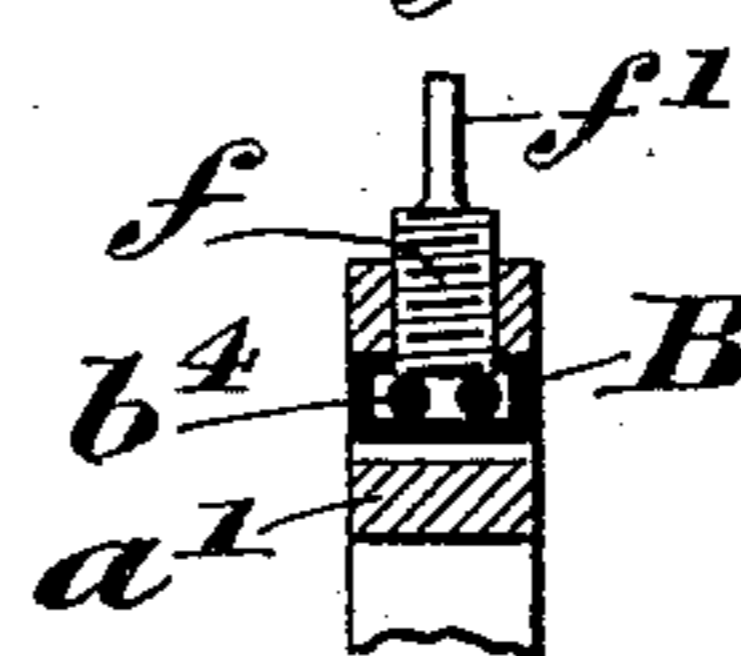


Fig. 15.



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UNITED STATES PATENT OFFICE.

JOHN HENRY ROLAND, OF LONDON, ENGLAND.

HAT-FASTENER.

SPECIFICATION forming part of Letters Patent No. 620,502, dated February 28, 1899.

Application filed November 7, 1898. Serial No. 695,784. (No model.)

To all whom it may concern:

Be it known that I, JOHN HENRY ROLAND, hair-dresser, a subject of the Queen of Great Britain, residing at 69 High street, Marylebone, but lately residing at 12 Ridginghouse street, Langham Place, London, England, have invented certain new and useful Improvements in Apparatus for Holding or Securing Hats or Bonnets to the Head, (for which applications for patent have been filed in Great Britain, dated April 7, 1898, No. 8,342; in Germany, dated June 15, 1898, and in France, dated September 3, 1898,) of which the following is a specification.

In the drawings, Figure 1 shows a side view of the apparatus with the parts assembled as for use. Fig. 2 is a plan view of Fig. 1. Fig. 3 is an under side view, partly in section, of the upper portion of the fastening or that part first fixed to the hat. Fig. 4 is an end view of the same. Fig. 5 shows by an under side view and a side view, respectively, a detail, being the catch and rack for adjusting the position of the projecting pins. Fig. 6 shows a side view of the part of the fastening to be engaged in the wearer's hair. Fig. 7 shows an end view of Fig. 6. Fig. 8 shows an under side view of Fig. 6. Fig. 9 shows by side view and end view an accessory detail, hereinafter referred to. Fig. 10 shows a side view of the standard a^4 . Fig. 11 is a side elevation showing a modification of the invention. Fig. 12 is a plan view of the parts shown in Fig. 11. Fig. 13 is an end elevation of the same, showing the combination in an open position. Fig. 14 is an end elevation taken from the extremity opposite that shown in Fig. 13, the combination being shown in closed position. Fig. 15 shows by a cross-sectional view, drawn to an enlarged scale, a detail, being the tightening-nut and adjacent part of frame B, carrying the sliding pins b^4 .

This invention consists of a hat or bonnet fastener (see Fig. 1) which when the parts thereof are respectively fixed in the hat or bonnet, as the case may be, and secured in the hair of the wearer can be connected together with great facility and simplicity, and, again, when required, disconnected from each other and the respective parts removed from the hat or bonnet and the wearer's hair.

The parts of the fastening apparatus afford

a most secure means of attachment and have the advantages of being free from danger in use and are practically hidden from view. 55

The apparatus consists mainly of two portions. The one part, which is engaged in the hair of the user, is a clasp A, having two leaves. The other part, a , like a narrow comb of, say, three prongs, is hinged at its back end a^2 to a hollow or slotted frame a' , forming the other leaf. The front ends of the teeth of this comb a , when they have been suitably engaged in the hair, are locked within a spring or locking clip a^3 , affixed on the end of the slotted frame a' , opposite to the hinge a^2 , referred to. Upon the back of this frame a' is mounted a small pillar or standard a^4 , provided with a double spring-piece a^5 , so formed with serrations, corrugations, or the like that when pressed into an opening b in the portion B of the apparatus attached to the hat it may afford a holding means for that part at the point to which it may be inserted by pressure into that opening b , and thereby afford an adjustable connection between the hat or bonnet parts B and the head parts A. The hat or bonnet attachment part B, in which this locking-opening b is formed, consists of a pair of tubular slides b' b' , connected by a web or mid-rib b^2 , in the middle of which said locking-hole b is formed. Each tubular slide b' is formed (on what in use is the underside) with a slot b^3 , extending somewhat more than half of the length of the slide b' . In each slide b' is mounted a guide or support for a pin or spear b^4 , with capability of protraction and retraction and arranged so that the spears b^4 on opposite sides act in opposite directions. The ends b^5 of the spears are shaped conveniently to enter the sides of the bonnet or hat; but to prevent their passing more than sufficiently into the article they are provided with small guards b^6 behind the heads thereof. Behind the butts of the spears in the slides are springs c c , which give them a constant tendency to protrude to their fullest extent, controlled by stop-pins b^7 , passing from the spears through said slots to finger pieces or catches d d , (see Fig. 5,) which overlie the slots of the slides b' and engage the rack-teeth d' . These catches d d being pressed toward each other by the fingers, the two spears b^4 b^4 are retracted and the device placed in 100

position in the hat or bonnet, and then the catches d d being released the spear-heads take a firm hold of the article. The hair-engaged frame on the wearer's head is brought
 5 into correct relative position, the upright spring-piece is passed into the opening in the frame and pressure engages the two portions A and B, as described, and a close connection is attained, the teeth or projections of the
 10 one being adjustably engageable with the other member of the connecting means. This disengagement of the locking-piece a^3 from the teeth of the comb a to loosen the hair secured thereto may in some cases, if so de-
 15 sired, be facilitated by a cord and ball or by a jeweled stud, as in Fig. 11, or equivalent attachment, applied so as to tilt it free of said teeth when that attachment is drawn upon by the user. The finger-pieces b^7 , that op-
 20 erate the studs projecting through the slots of the slides b' , carry catches d d , which can be pressed into depressions or rack-teeth d' at adjusted distances apart, so as to lock the spears at any desired extent of protraction.
 25 In the modified construction shown by Figs. 11 to 15 the comb a and its coöperating frame B and connected parts are substantially the same and are distinguished by the same let-
 30 ters of reference as the parts already described; but the guiding-frame B for the sliding pins b^4 is fixed to the part a' , and instead of the sliding pins being caused to protrude by springs behind them they simply slide to
 35 therein as to the degree to which they project by being jammed against the frame by the screw-bolt f , operated by means of the finger-hold f' . If desired, the sharp points of the
 40 spears may be covered by blunt sheaths, (shown in Fig. 9,) which are slipped on over the points.

Having now particularly described and as-
 45 certain the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. A hat-fastener consisting of oppositely-movable parts adapted to engage the hat, and a comb-fastening to engage the hair of the wearer, provided with means whereby it may be attached to and detached from the sup- 50
 port, for the parts engaging the hat, substantially as described.

2. In a hat-fastening the combination with parts to engage the hat, of springs to project said parts in opposite directions, a comb-fas- 55
 tening to engage the hair of the wearer, said fastening having a device attachable to and detachable from the support for the spring-projected parts, and means for locking the
 60 hinged comb-teeth to their support after insertion in the hair, substantially as described.

3. In a hat-fastener the combination with oppositely-movable spring-projected spears to engage the hat, the support in which they are mounted having an opening, of a frame 65
 having a corrugated point, or standard, to detachably engage said opening, comb-teeth hinged to one end of said frame and a locking device to engage the points of said teeth after insertion in the hair of the wearer, sub- 70
 stantially as described.

4. In a hat-fastener the combination with oppositely-movable, spring-projected spears to engage the hat, of means for locking said spears at any point, a frame having a corru- 75
 gated standard to detachably engage an opening in the support on which said spears are mounted, comb-teeth hinged to one end of said frame, and a locking device to engage the points of the teeth after insertion in the 80
 hair and lock them to the end of the frame, substantially as described.

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

JOHN HENRY ROLAND.

Witnesses:

ALFRED GEORGE BROOKES,
 ERNEST JOHN HILL.