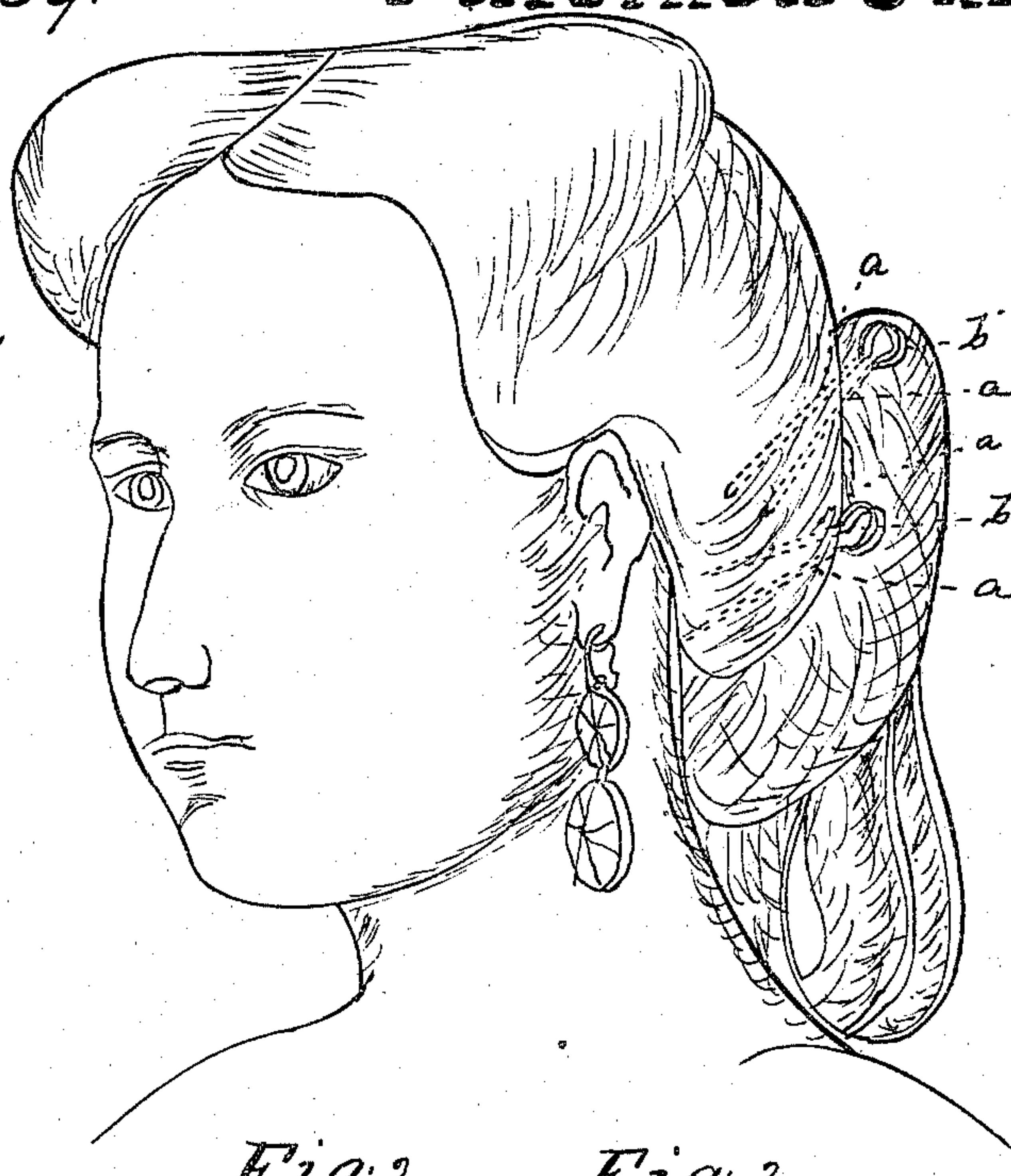


*A. T. Thayer.*  
*Hair Pin.*

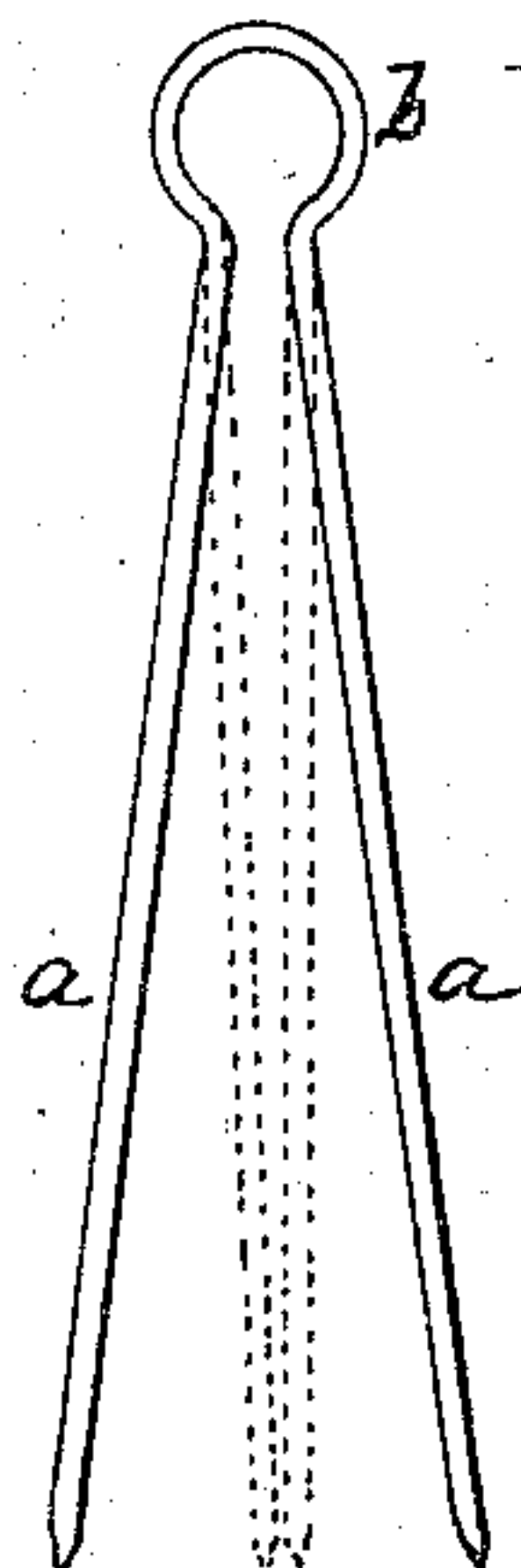
*N<sup>o</sup> 43439.*

*Patented Jul. 5. 1864.*

*Fig. 1*



*Fig. 2*



*Fig. 3*



*Witnesses*

*Jas. P. Hall.*  
 *Geo. W. Reed*

*Inventor*

*Andrew T. Thayer*

# UNITED STATES PATENT OFFICE.

ANDREW T. THAYER, OF NEW YORK, N. Y.

## IMPROVEMENT IN HAIR-PINS.

Specification forming part of Letters Patent No. **43,439**, dated July 5, 1864.

*To all whom it may concern:*

Be it known that I, ANDREW T. THAYER, of the city, county, and State of New York, have invented a new and useful Improvement in Ladies' Hair-Pins; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable any person skilled in the art to make and use the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a view of my invention in use or applied to the hair; Fig. 2, a detached and enlarged side view of the same; Fig. 3, an edge view of the same.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to obtain a hair-pin which will not slip out of the hair or become casually loosened and detached; and to this end the invention consists in constructing the pin with a circular spring at the bend or junction of the two prongs of the pin, as hereinafter set forth, whereby a certain degree of elasticity is obtained sufficient to cause the two prongs, when pressed in contact and inserted into the hair, to press or bear against the same and be thereby firmly held in position.

The hair-pin I construct, as usual, out of a single piece of wire bent or doubled so as to

form two prongs, *a a*, of equal length, and at the bend I flatten or compress the wire and give it a circular form, so as to constitute a spring, *b*, as shown clearly in Figs. 1 and 2. The compressing or flattening of the wire at the bend or junction of the prongs *a a* increases the elasticity of the spring *b* and renders the same more durable than it otherwise would be—in fact, a perfect spring is obtained, and the prongs *a a* are bent obliquely outward from the ends thereof, as shown more particularly in Fig. 2, the spring *b* having a tendency to keep the prongs *a a* in that position.

In applying the pin to the hair the prongs *a a* are pressed together in contact, as shown in red, Fig. 2, and the spring *b*, in consequence of having a tendency to force the prongs *a a* apart, cause the pin to be bound in the hair, so that it cannot become casually loosened or detached.

Having thus described my invention, I claim as new and desire to secure by Letters Patent, as an improved article of manufacture—

A hair-pin constructed or formed with a circular spring, *b*, at the junction of its prongs *a a*, substantially as herein set forth.

ANDREW T. THAYER.

Witnesses:

M. M. LIVINGSTON,  
GEO. W. REED.