

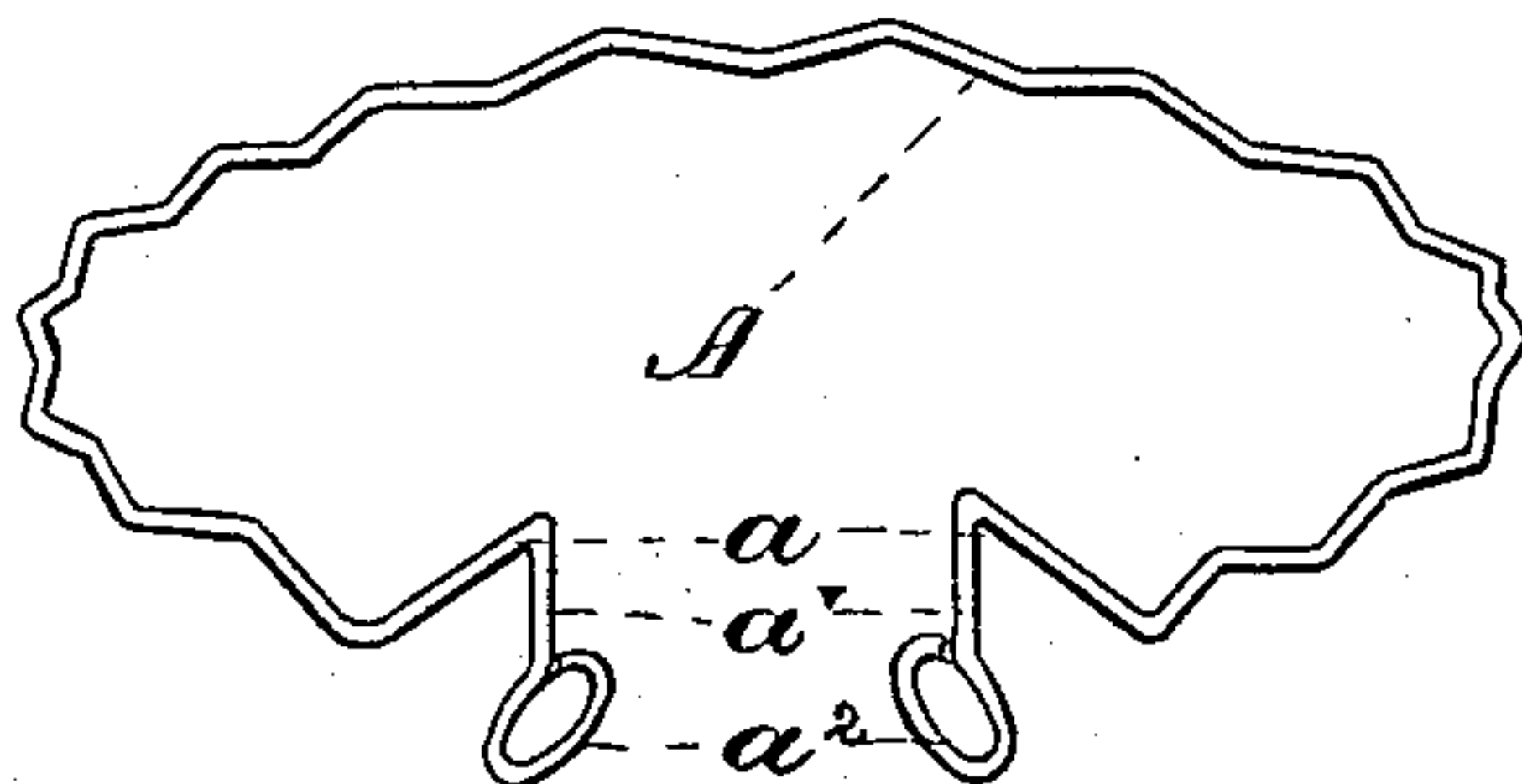
(No Model.)

A. V. SMITH.  
GARMENT FASTENER.

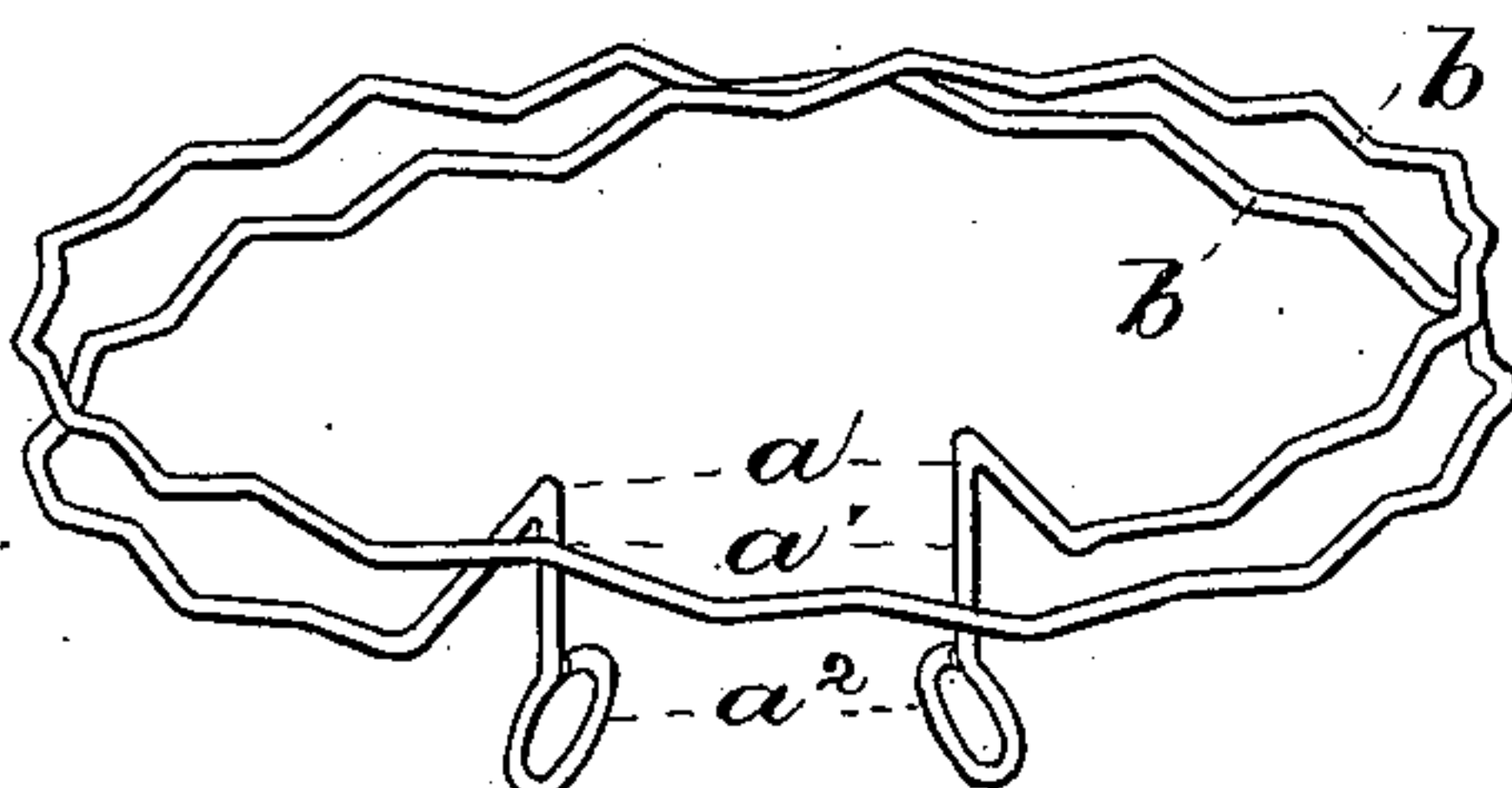
No. 308,439.

Patented Nov. 25, 1884.

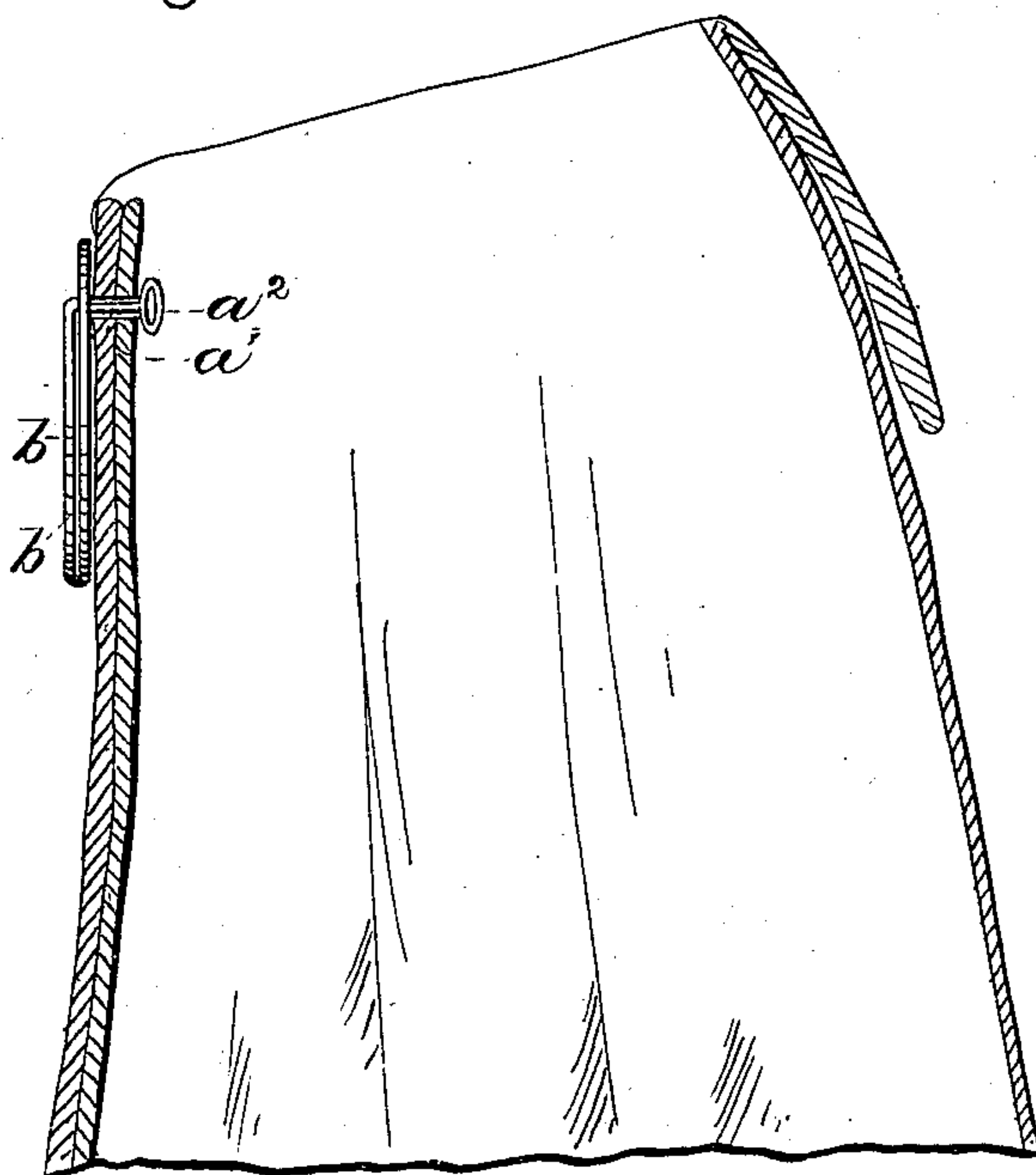
*Fig. 1.*



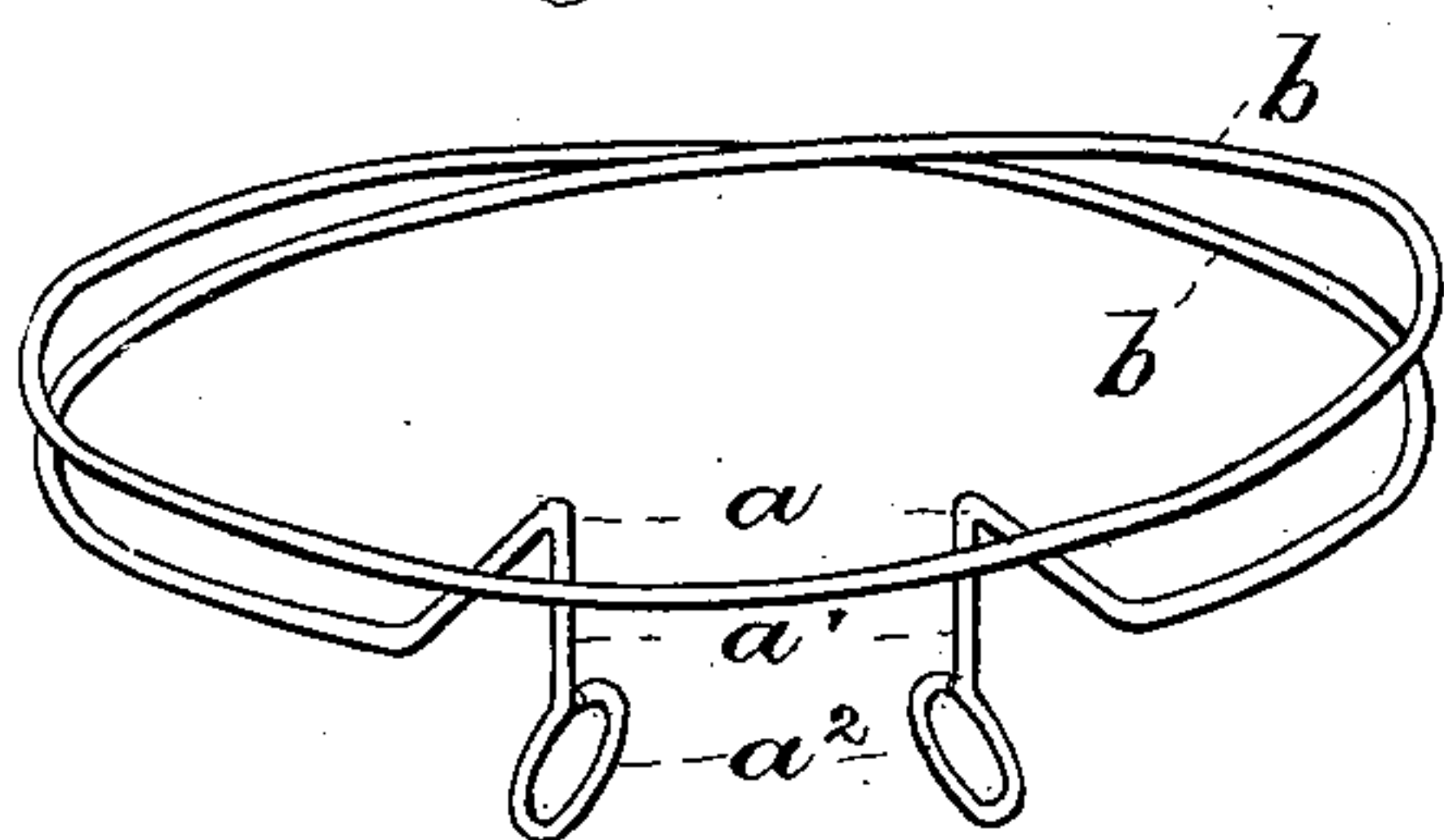
*Fig. 3.*



*Fig. 4.*



*Fig. 2.*



Witnesses,  
Geo. H. Strong  
J. H. Morse

Inventor,  
A. V. Smith  
By  
Dewey & Co.  
attorneys

# UNITED STATES PATENT OFFICE.

ANDREW V. SMITH, OF SAN FRANCISCO, CALIFORNIA.

## GARMENT-FASTENER.

SPECIFICATION forming part of Letters Patent No. 308,439, dated November 25, 1884.

Application filed May 1, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW V. SMITH, of the city and county of San Francisco, and State of California, have invented an Improvement in Garment-Fasteners; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to a new and useful device for fastening garments or portions of garments together; and it consists of a peculiarly bent or coiled spring-wire, the separated ends of which are bent inwardly and again at right angles with the body or main portion of the wire, and are provided with transverse loops, as I shall hereinafter more fully describe.

The object of my invention is to provide a simple, cheap, and effective fastener, which is adapted to be made as ornamental as possible, and which will take the place in many cases of buttons and pins.

Referring to the accompanying drawings, Figure 1 is a view of the fastener made of a single coil of wire. Fig. 2 is a view of one made of a double coil. Fig. 3 is a view of same, the wire being bent to form a sinuous or serrated edge. Fig. 4 is a view showing the application of my fastener.

A piece of spring-wire, A, is bent in any suitable shape to form a body of a circular figure, as here shown, or an irregular figure outlining, for the sake of ornament, a fish, star, insect, or any fanciful design. Its ends are turned inwardly at  $a$  toward the center of the figure, and then at right angles away from the plane of the wire, as at  $a'$ , and are then formed into elongated transverse loops  $a''$ , as shown. The spring of the wire is such that the ends remain normally separated, as shown in Fig. 1, and, though capable of approaching each other upon pressure, will return to a separated position when released. By pressing upon the body of the wire the ends are forced together, and are then passed through the button hole or holes of the garment. The device is then turned sufficiently to throw the loops  $a''$  across the button-hole, and the pressure being relieved the ends separate and bind against the top and bottom or

the ends of the hole, so that the fastening is complete; but in such a form as shown in Fig. 1 there is the disadvantage of a limited amount of spring to the wire, and also a certain inaccuracy in the approach of the ends, requiring some care to get and hold them in position for insertion through the button-hole. I therefore prefer to have more than one coil to constitute the body of the device.

In Fig. 2 I show the arrangement of a double overlapping coil,  $b b$ . This requires a little different handling, because the mere pressure upon the body of the device will not cause the ends to close, but after they are closed the pressure will hold them there. Therefore with one hand I grasp the ends and force them together. This brings that portion of the wire adjoining each end inwardly. Then with the other hand I press in upon the outermost portion of the wire, which has the effect of shortening up the diameter of the figure or body until the outer portion reaches that which is held in by the first hand, when, the pressure being then on both, the first hand can be released, and the ends are held together and may be inserted as described.

The object of the sinuous or serrated edge shown in Fig. 3 is to furnish a better hold for the hand, and at the same time it may be considered more ornamental. The shape of the body of the fastener may be varied at pleasure to add attractiveness to the device.

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

1. A garment-fastener consisting of a piece of spring-wire bent to form a body or rim of suitable shape, and having its separated ends bent to form portions  $a a'$  and transverse loops  $a''$ , substantially as herein described.

2. A garment-fastener consisting of a piece of spring-wire bent in two or more coils to form a body of suitable shape, and having its separated ends bent to form portions  $a a'$  and transverse loops  $a''$ , substantially as herein described.

3. A garment-fastener consisting of the piece of spring-wire A, bent to form the double overlapping coils  $b b$ , constituting a body,



and having its ends separated and bent to form portions  $a$   $a'$  and transverse loops  $a^2$ , substantially as herein described.

- 5 4. A garment-fastener consisting of a piece of spring-wire bent in one or more coils to form a body of suitable shape with a sinuous or serrated edge, and having its separated ends bent to form portions  $a$   $a'$  and transverse loops  $a^2$ , substantially as herein described.

In witness whereof I have hereunto set my hand.

ANDREW V. SMITH.

Witnesses:

S. H. NOURSE,  
H. C. LEE.