

No. 645,633.

Patented Mar. 20, 1900.

H. H. TAYLOR.

SAFETY PIN.

(Application filed July 26, 1899.)

(No Model.)

Fig. 1.

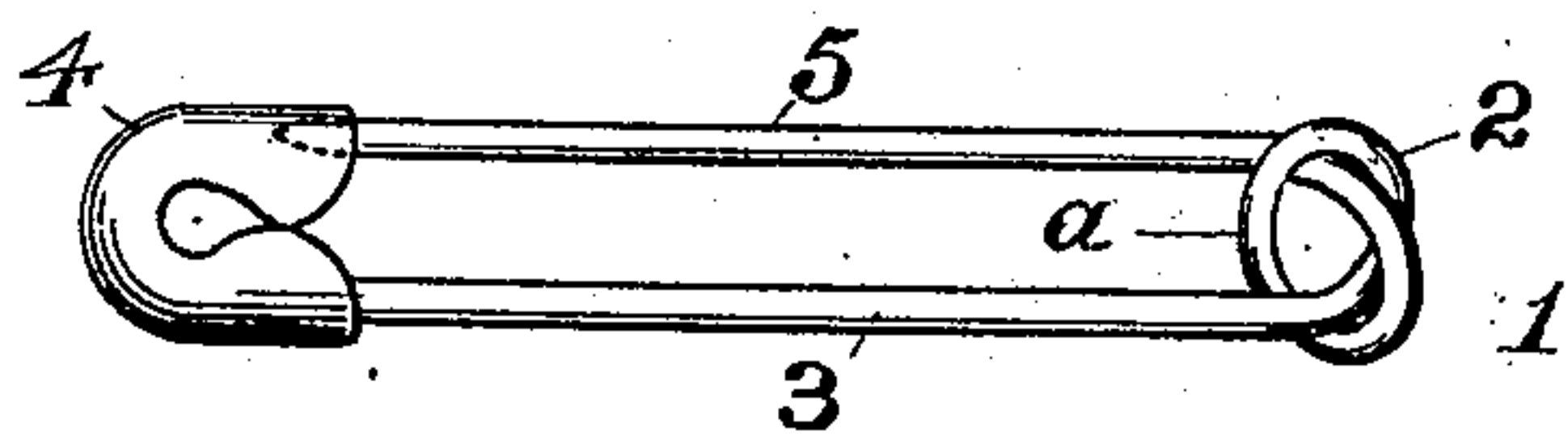


Fig. 2.

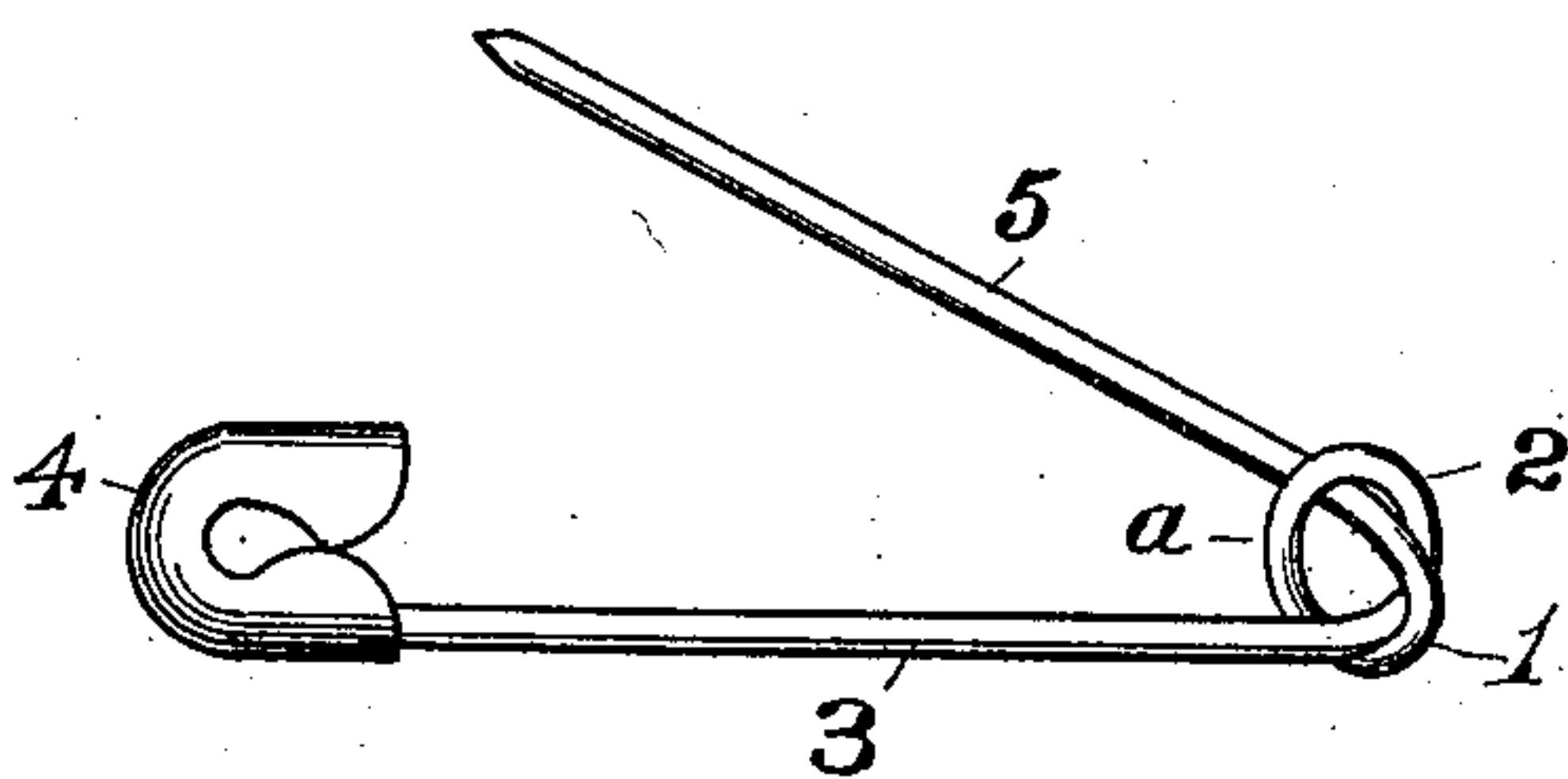


Fig. 3.

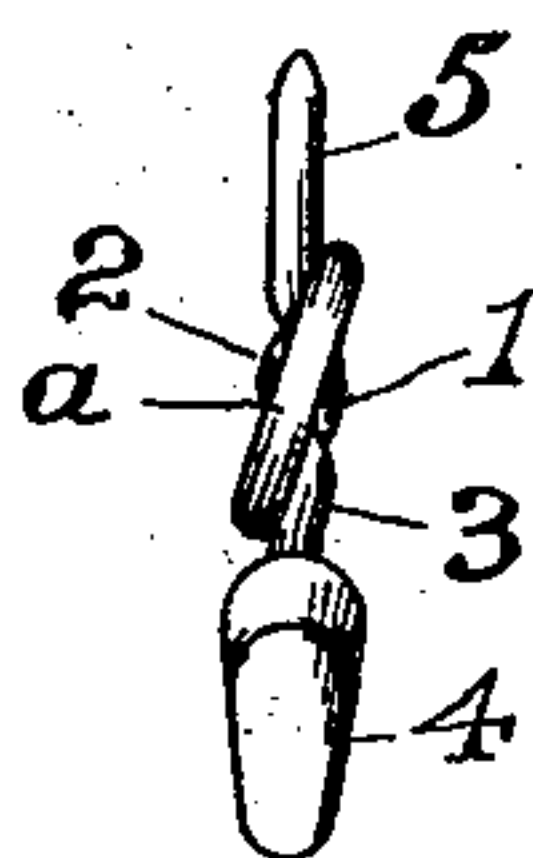


Fig. 4.

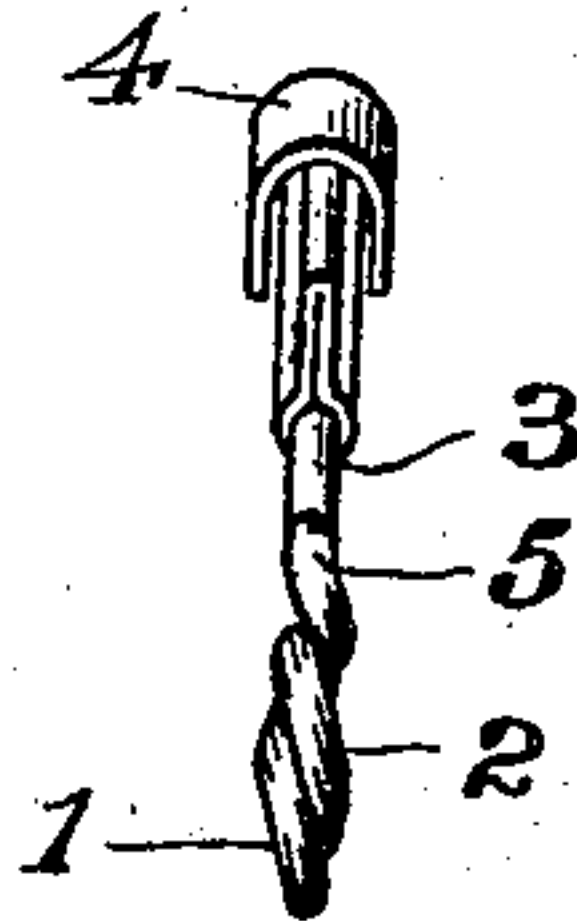


Fig. 5.

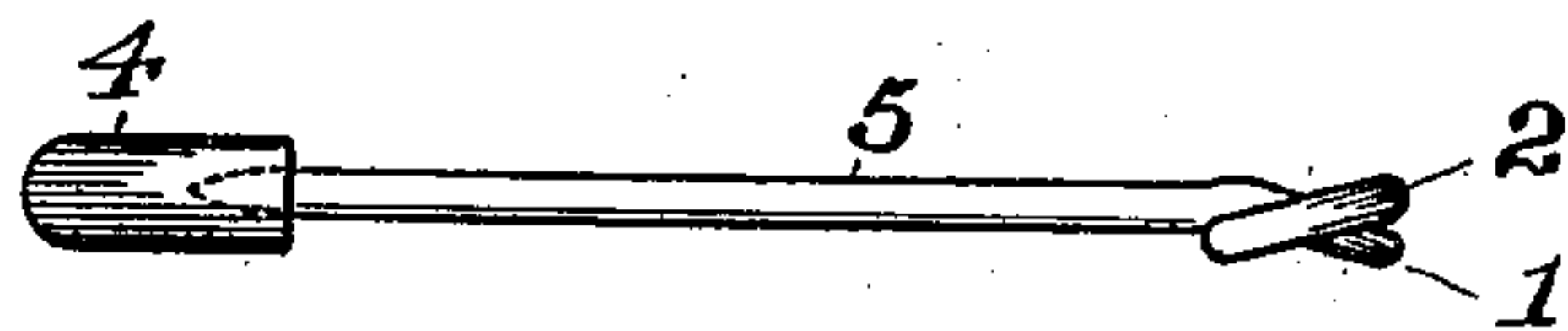
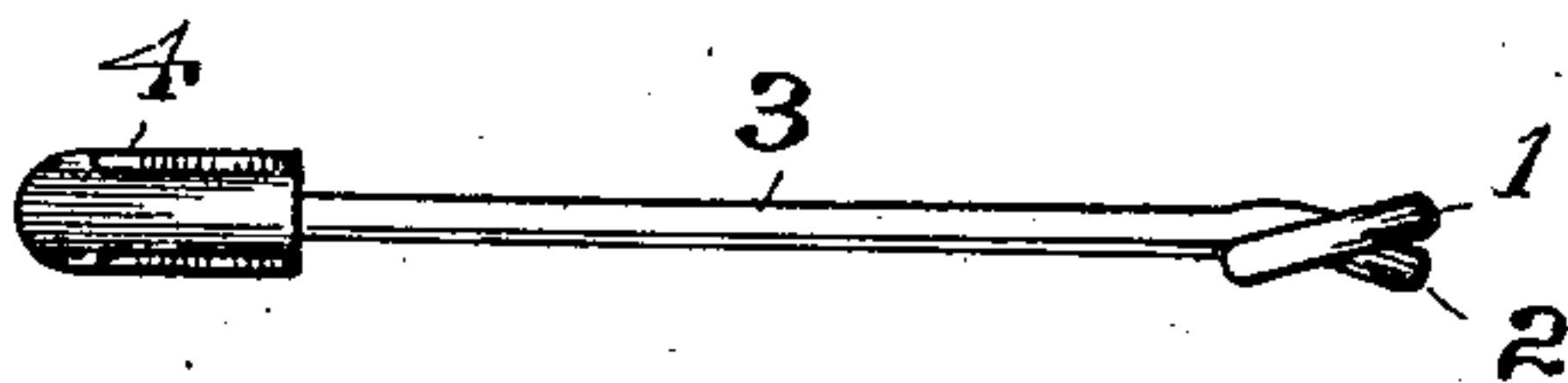


Fig. 6.



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SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 645,633, dated March 20, 1900.

Application filed July 26, 1899. Serial No. 725,163. (No model.)

To all whom it may concern:

Be it known that I, HENRY H. TAYLOR, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Safety-Pins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain improvements in safety-pins, and has for its object to provide a pin of this description in which the spring element shall be exceedingly efficient and durable, while the relation of such element itself to the pin member shall be such that the latter when depressed will naturally find its way without difficulty into the usual housing.

With these ends in view my invention consists in certain details of construction, such as will be hereinafter fully described and then specifically designated by the claims.

In the accompanying drawings, Figures 1 and 2 are side elevations of my improved pin, showing the same closed and open, respectively. Figs. 3 and 4 are perspectives looking from opposite ends of the pin, and Figs. 5 and 6 are respectively top and bottom views of said pin.

Similar letters and numbers of reference denote like parts in the several figures of the drawings.

My improved pin is formed from one piece of spring-wire having at one end two coils 1 2 at an angle to each other and intersecting. To the lower bar 3 of the pin is secured the usual housing 4, beneath which the pin-bar 5 is confined when closed. In order to make these intersecting coils, the lower bar 3 is bent around at its end into the coil 2 and the wire then brought down on one side of said bar and

passed through this coil 2, thus forming the coil 1 at an angle to the coil 2. In other words, the pin-bar 5 passes directly through the coil which is formed at the end of the lower bar 3, while the latter passes directly through the coil which is formed at the end of the pin-bar 5.

The single wire, which is common to both coils and which for the sake of a clear understanding I will designate by the letter *a*, is inclined to the vertical plane of the pin and bar, as shown clearly at Fig. 3, and it will therefore be clear that when the pin-bar is depressed it will be forced against this coil *a* and will thereby be thrown outwardly, so that it will not have any tendency to strike on top of the housing 4, but can readily be snapped into position beneath such housing.

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

1. A safety-pin made from a single piece of wire the lower bar of which is formed into a coil at its end through which the pin-bar passes while the pin-bar is likewise formed at its end into a coil through which the lower bar passes, substantially as set forth.

2. A safety-pin having the lower bar 3 and pin-bar 5, the coils 1 and 2 made as a continuation of said pin and lower bars respectively, the pin-bar passing directly through the coil 2 while the lower bar passes directly through the coil 1, and the single wire *a* which is on the inside and which is common to both coils and which is inclined directly beneath said pin, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY H. TAYLOR.

Witnesses:

F. W. SMITH, Jr.,
M. T. LONGDEN.