

(No Model.)

A. M. FREEMAN.

**SAFETY PIN.**

No. 354,830.

Patented Dec. 21, 1886.

Fig. 1.

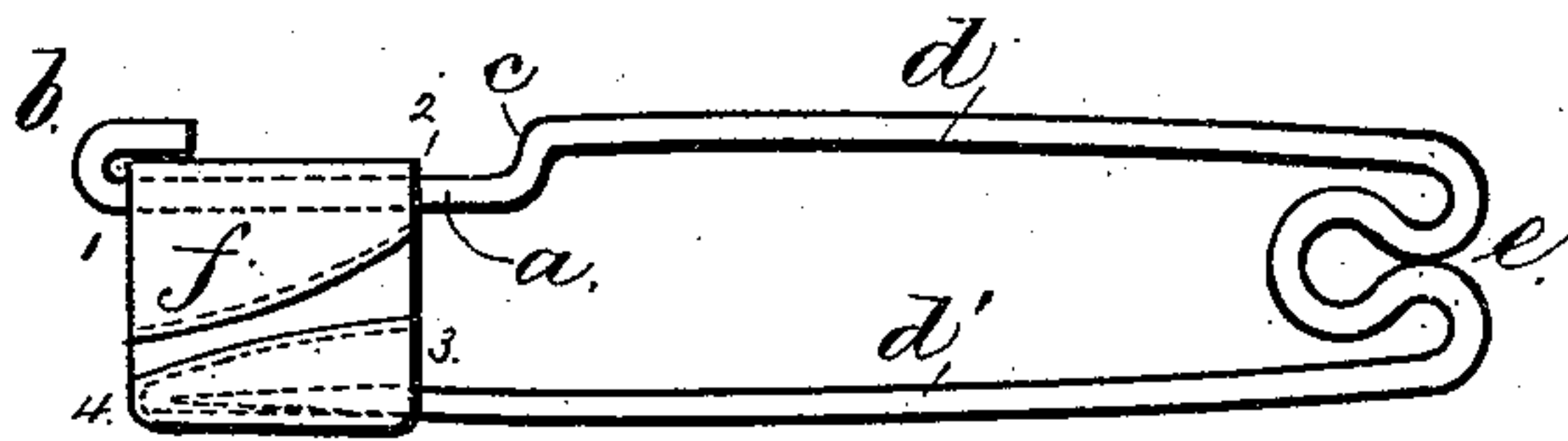


Fig. 2.

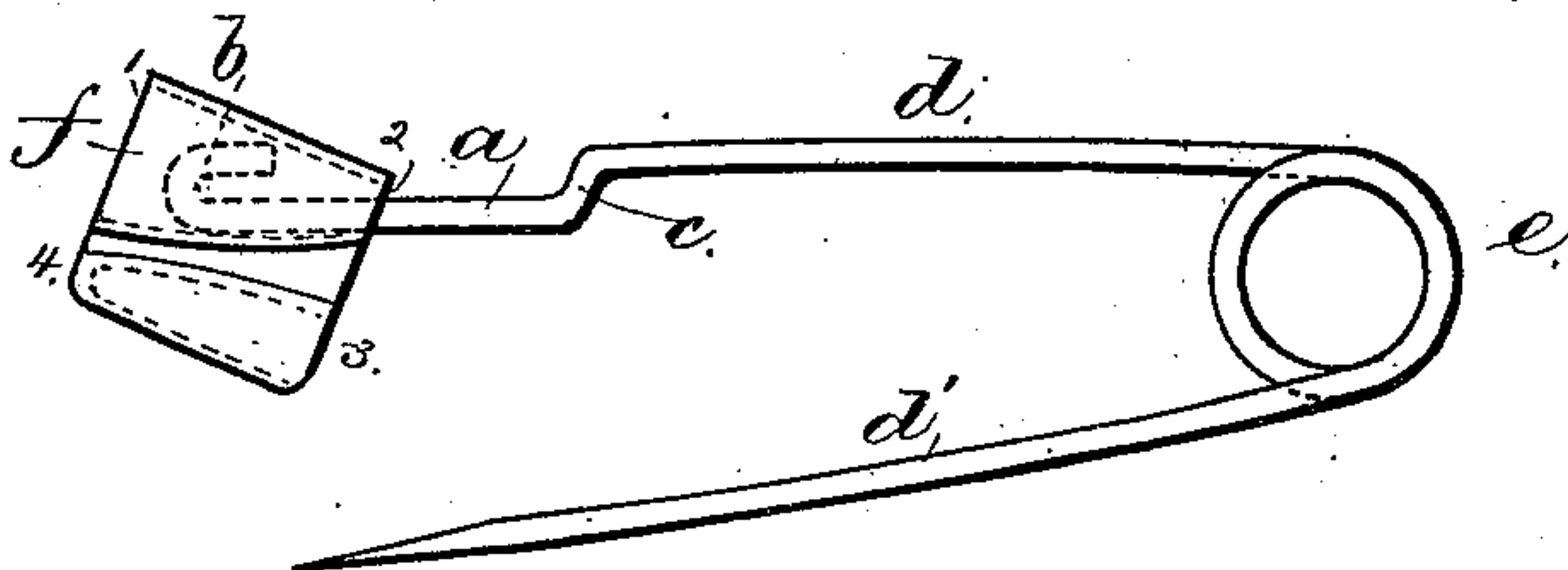
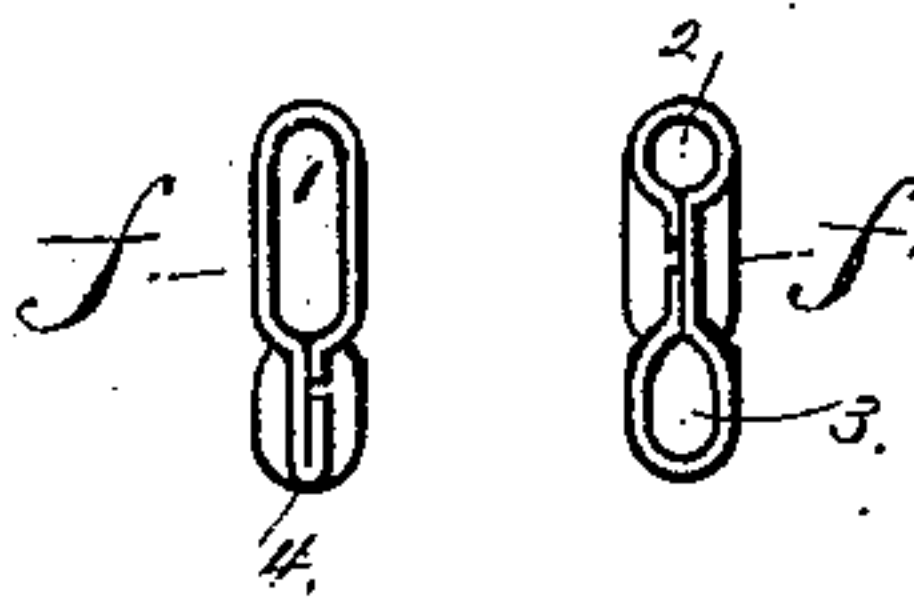


Fig. 3.



Witnesses

Harold Ferrell  
Chas N. Smith

*Inventor*

per Augustus M. Freeman.

Lemuel W. Perrell

*Outly*

# UNITED STATES PATENT OFFICE.

AUGUSTUS M. FREEMAN, OF OCEAN GROVE, ASSIGNOR TO HIMSELF AND  
ALEXANDER C. KELLY, OF METUCHEN, NEW JERSEY.

## SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 354,830, dated December 21, 1886.

Application filed September 15, 1884. Renewed March 15, 1886. Serial No. 195,377. (No model.)

*To all whom it may concern:*

Be it known that I, AUGUSTUS M. FREEMAN, of Ocean Grove, in the county of Monmouth and State of New Jersey, have invented a new and useful Improvement in Safety-Pins; and the following is declared to be a description of the same.

In safety-pins as heretofore made the shield portion has been made either of sheet metal stamped to shape and secured to the wire of the pin, or said shield is made from the pin-wire bent to proper shape.

My invention consists of a safety-pin of peculiar shape, having a shield secured upon the pin-wire, but not rigidly connected therewith, said shield being made of either a piece of sheet metal bent to shape or a flattened sheet-metal tube. Said shield is made to cover the point of the pin, so that it cannot become accidentally uncovered, and the pin-wire is made with a return-bend, which prevents the shield coming off, and there is also another bend in the wire, which, together with said return-bend, limits the movement of said shield when the pin is open.

To open the pin the shield is swung outward past the return-bend and is drawn forward, releasing the pin-point. In this movement the shield slips along upon the pin-wire, the return-bend coming into the shield; but there is a partition to prevent the shield drawing entirely off, and to close the pin the point is pressed into line with the lower opening of the shield and the shield forced back to place.

In the drawings, Figure 1 is an elevation of the safety-pin closed. Fig. 2 is an elevation of the same open, and Fig. 3 are end views of the shield.

The wire of the safety-pin is made with the straight portion *a*, the return-bend *b*, the bend *c*, the nearly-straight portions *d d'*, and spring-bend *e*. This spring-bend may be made, as shown in Fig. 1, with a compound or eye bend; but I prefer the circular bend shown in Fig. 2. The portion *d'* terminates as the pin-point.

The shield *f* is made either of a piece of sheet metal bent to shape or of a sheet-metal tube

flattened to shape, and in either case said shield is made with two tapering openings, one being between 1 and 2 and the other being between 3 and 4. The tapering opening between 1 to 2 passes entirely through the shield, with the end at 1 large enough to receive the bend *b*, the end at 2 being only large enough for the wire *a*. The opening between 3 and 4 is adapted to receive the pin-point, and it is closed at the end 4. The bend at *c* limits the movement of the shield *f* and prevents it being slipped too far along upon the wire.

To open the pin the shield is lifted and swung outward past the return-bend *b*, and drawn forward over the bend at the same time the shield is drawn off the pin-point. To close the pin the point is pressed into the opening 3 to 4 of the shield, and said shield is moved to place, as in Fig. 1, in which position it is impossible to accidentally uncover the point of the pin and relieve the article it is holding together, because the goods will press the shield outwardly, and, the edge of the shield being within the return bend or crook of the wire, said shield cannot be swung or slid to uncover the point until the shield is slipped back from beneath the return-bend.

I claim as my invention—

1. The wire pin having a point at one end, the spring *e*, and the return bend or crook *b*, in combination with the shield *f*, having a tapering opening for the return-bend *b*, by which the shield is retained but allowed to slide on the wire, and an opening for the pin-point, substantially as specified.

2. The wire pin having a point at one end, the spring *e*, and the return bend or crook *b*, and the bend *c*, in combination with the shield *f*, fitted to slide upon the wire between *b* and *c*, and having an opening for receiving the pin-point, substantially as specified.

Signed by me this 10th day of September, A. D. 1884.

AUGUSTUS M. FREEMAN.

Witnesses:

HAROLD SERRELL,  
WILLIAM G. MOTT.