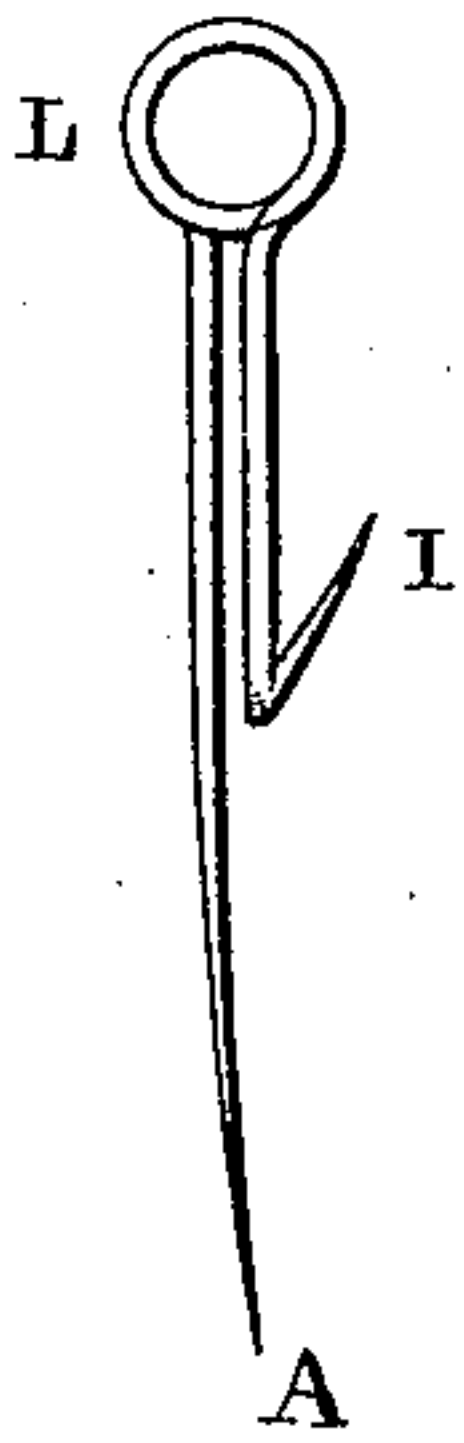


N. H. FURNESS & S. WALES.

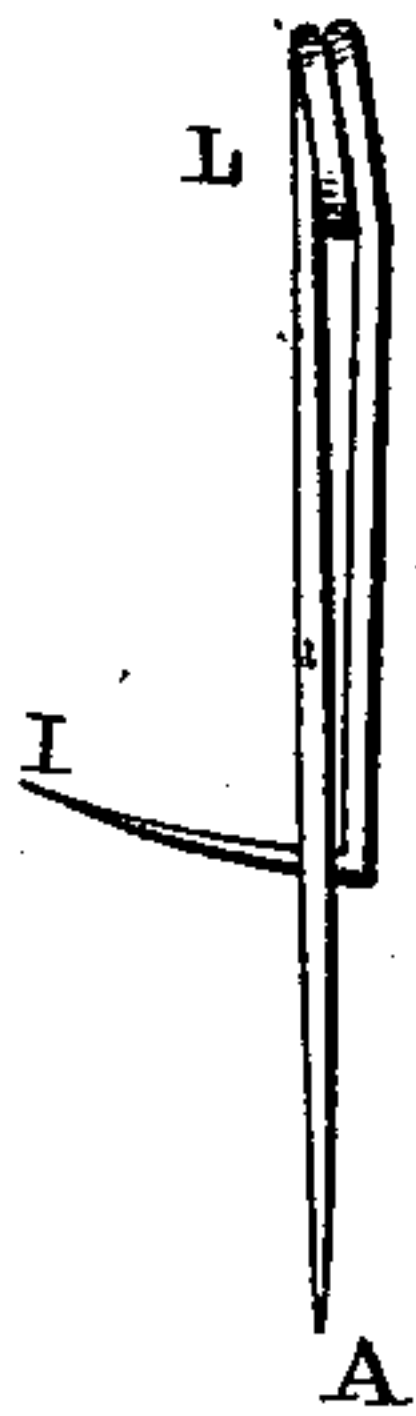
Safety-Pin.

No. 160,013.

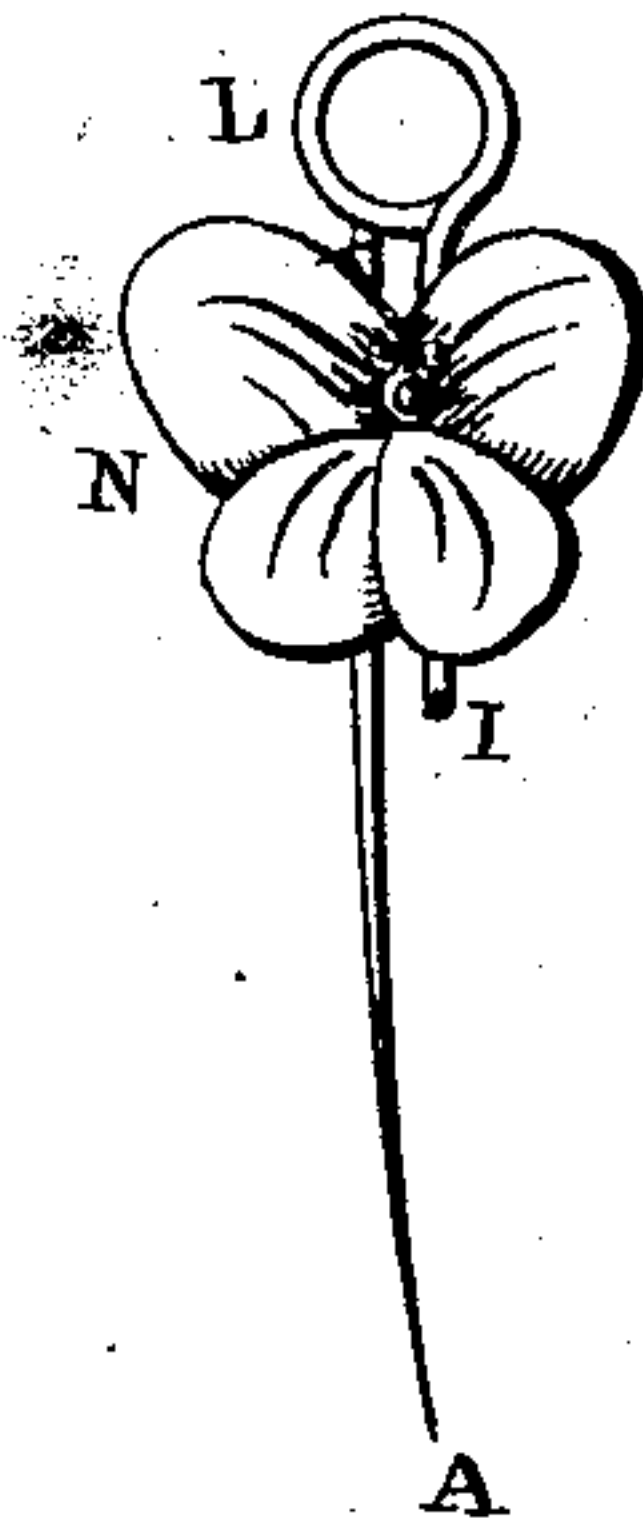
Patented Feb. 23, 1875.



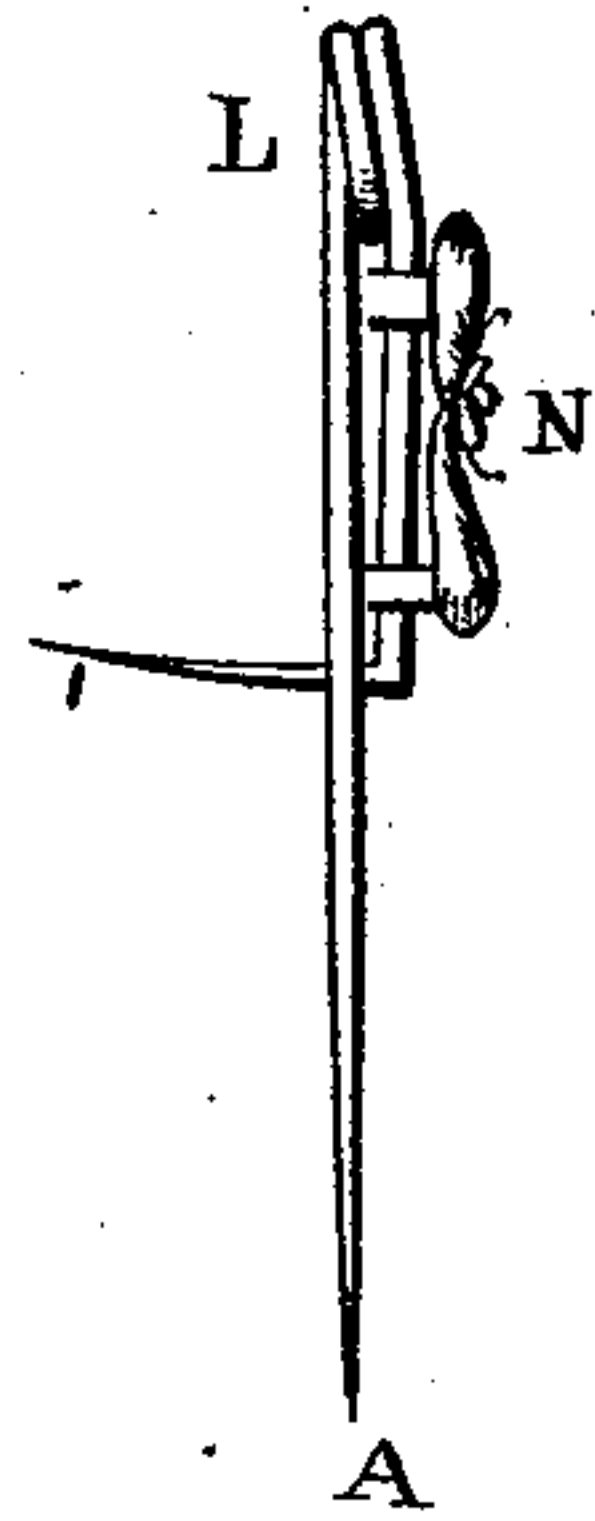
*Fig. 1.*



*Fig. 2.*

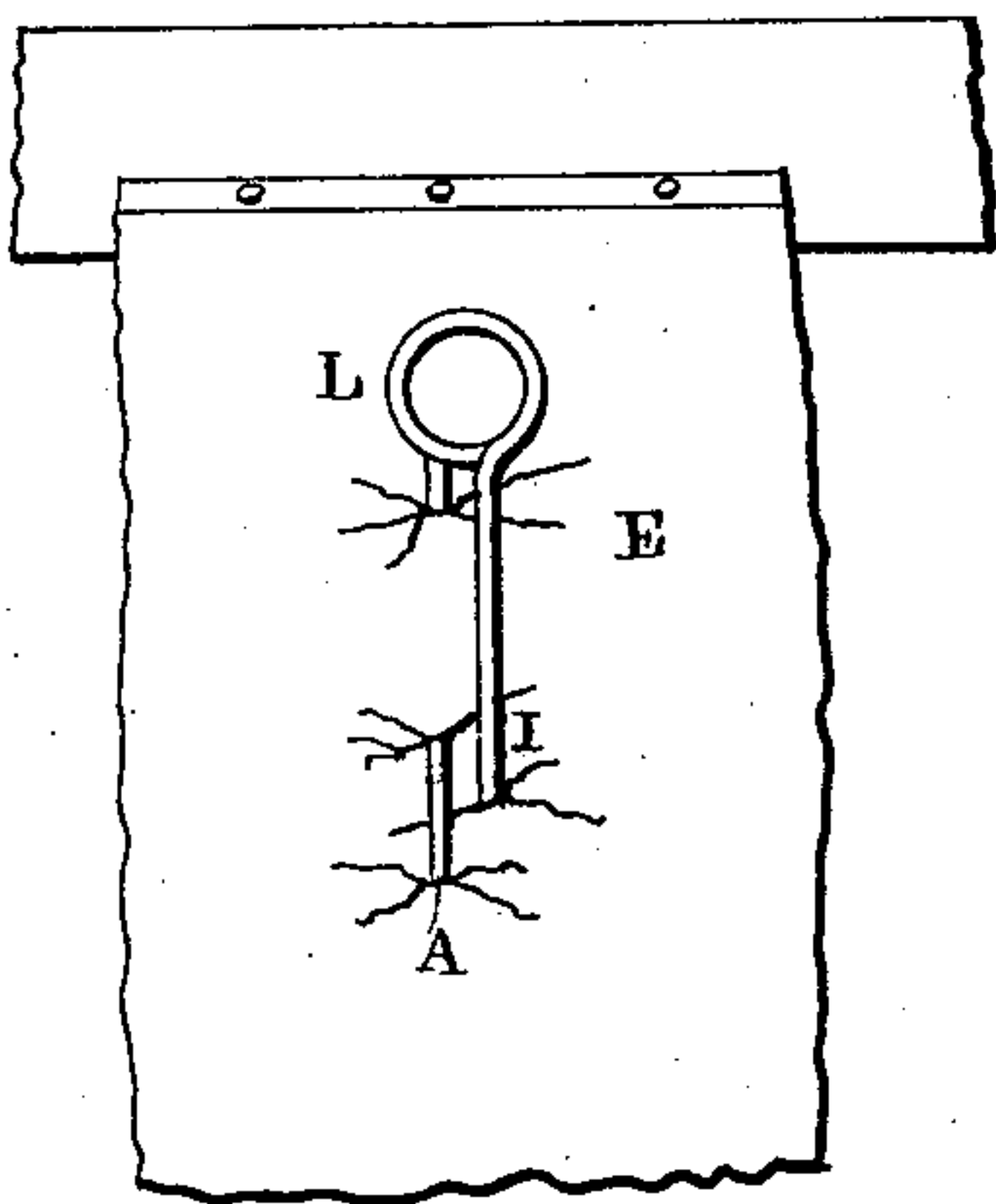


*Fig. 3.*

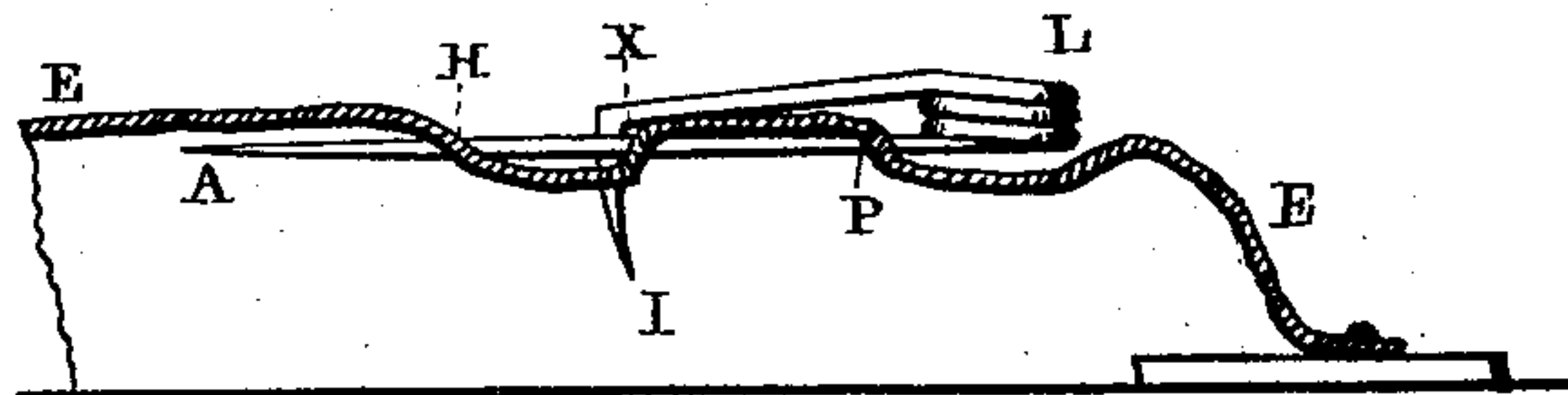


*Fig. 4.*

*Fig. 5.*



*Fig. 6.*



Witnesses:

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Inventors:

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Sigmund Wales

# UNITED STATES PATENT OFFICE.

NATHANIEL H. FURNESS, OF TARRYTOWN, AND SIGOURNEY WALES, OF  
NEW YORK, N. Y.

## IMPROVEMENT IN SAFETY-PINS.

Specification forming part of Letters Patent No. **160,013**, dated February 23, 1875; application filed  
April 20, 1874.

*To all whom it may concern:*

Be it known that we, NATHANIEL H. FURNESS, of Tarrytown, New York State, and SIGOURNEY WALES, of New York city and State, have invented an Improvement in Safety-Pins, of which the following is a specification:

The object of our invention is the securing of covers, tidies, &c., to furniture; also, as a safety-pin for breast-pins, scarf-pins, shawl-pins, and other like uses.

Figure I is a front view of the pin. Fig. II is a side view of the same. Fig. III is a front view of the pin with ornament. Fig. IV is a side view of the same, showing manner of attaching the ornament. Fig. V is the pin as it appears when in use. Fig. VI is a sectional view, showing the manner in which the pin is secured to furniture.

The pin is formed of bent wire, with or without the coils L. The two arms A and I are bent at L, so as to lie along the same line of direction, and are both sharpened at the ends. The arm A has a curve in it from its center to the point, bending in the same direction as the coil, from which it starts, or it may be straight. The arm I is also bent, the curve being at right angles with that of the arm A, and is again bent at or near its center at a sharp right angle downward, or for other uses to the front or to either side, thus forming a point, which, entering the material and passing down into the stuffing, describes a segment of a circle, so that the pin will not be drawn out of position as it enters.

This arrangement, it will be seen, resists a direct pull by means of the long arm A, which enters the cloth E E at P, and, coming out again at X, enters again at H, and conceals the point and resists a pull upward by means of the arm I, and a strain in the other direction by the combination of both arms A and I.

Fig. IV shows the manner of securing the ornament N, which has at its under side eyes formed, through which the arm I is passed before it is bent at right angles. By this arrangement, when the pin is to be inserted, the ornament revolves so as to lie flat with the point, enabling the arm A to pass into the cloth E E without causing the point or ornament to impede its progress.

Fig. V shows the pin as it appears when in use.

Fig. VI represents a sectional view of a piece of furniture, showing the manner in which the pin is secured.

In placing the pin, the arm I with the bend in it is placed flat upon the cloth E E, and, having entered at P, comes out at X, and again enters at H, the arm I is raised from contact with the cloth E E, and its point entered at or near X, and firmly embedded in the stuffing. The ornament accommodates itself to this action.

We claim as our invention—

1. A safety-pin composed of two pointed arms, one of which is bent at right angles at or near the center thereof, substantially as and for the purpose hereinbefore set forth.

2. The combination of the hinged ornament, or its equivalent N, with the arms A and I, and with or without the coil L, substantially as and for the purpose hereinbefore set forth.

3. The combination of the coil L, with the arm I, having a right-angle bend at or near its center, and the arm A, substantially as and for the purpose hereinbefore set forth.

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