

(No Model.)

T. W. FOSTER.

SAFETY PIN.

No. 251,209.

Patented Dec. 20, 1881.

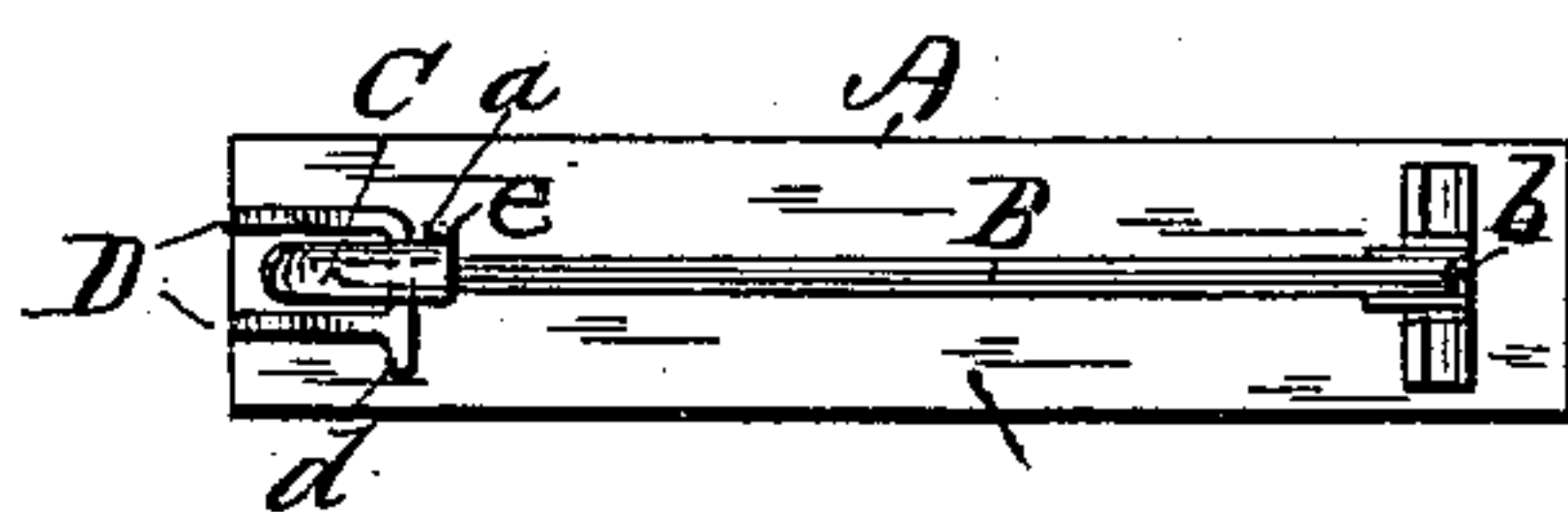


FIG. 1.

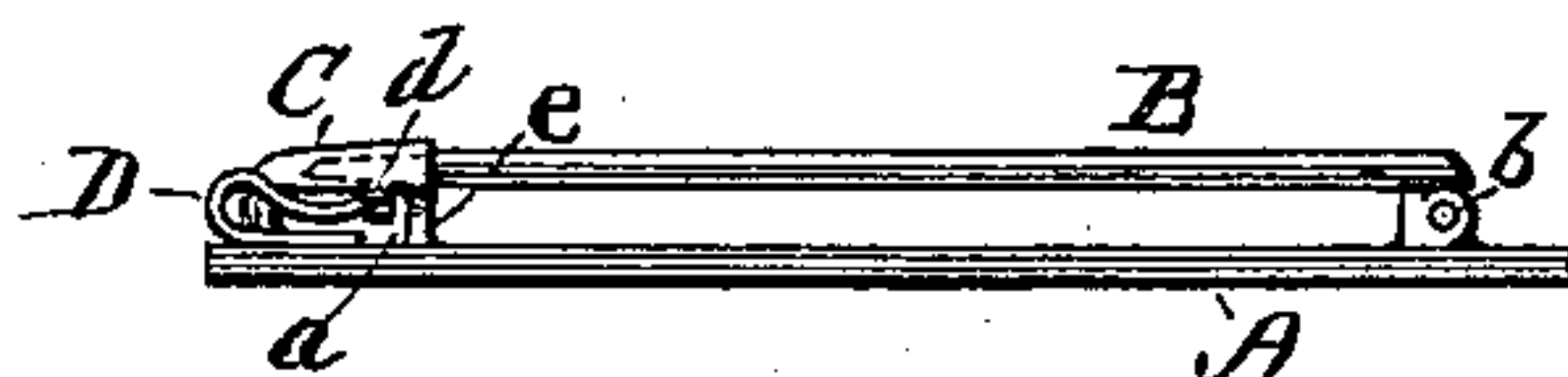


FIG. 2.

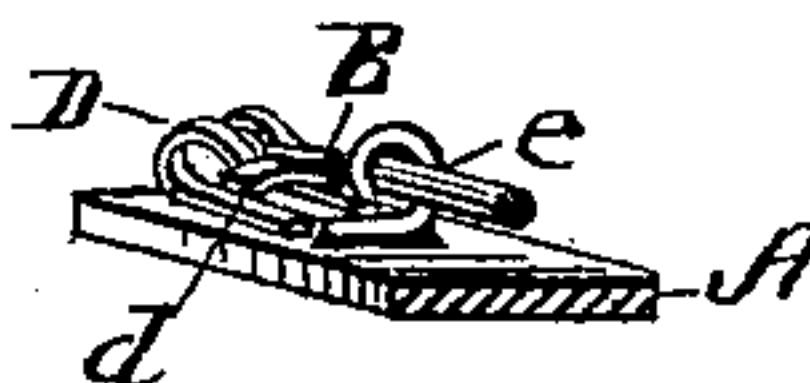


FIG. 3.

WITNESSES,

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UNITED STATES PATENT OFFICE.

THEODORE W. FOSTER, OF PROVIDENCE, RHODE ISLAND.

SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 251,209, dated December 20, 1881.

Application filed October 8, 1881. (No model.)

To all whom it may concern:

Be it known that I, THEODORE W. FOSTER, of Providence, in the State of Rhode Island, have invented an Improvement in Safety-Pins, of which the following is a specification.

The nature of my invention consists in the improved attachment of a spring to the back of a jewelry-pin, whereby the fastening-tongue is prevented from accidental displacement from the hook, and whereby the ordinary point-covering hook can be dispensed with and the sharp point of the tongue be suitably protected and prevented from catching by the spring itself. The simple wire hook may thus be used to advantage at a saving of expense.

Figure 1 is a plan view of the back of the pin. Fig. 2 is a side elevation of the same. Fig. 3 is a partial view in perspective, showing the spring as combined with a simple wire hook.

In the drawings, A is the front plate; B, the pivoted tongue, jointed to the plate A at the point *b*. C is a point-covering hook attached to the back of the plate A.

The curved slotted spring D, provided with the side projection, *d*, is soldered to the plate A, the free end of the spring passing through the opening *a* at the rear of the standard *e* of the hook. The projection *d*, at one side of the end of the spring, serves to receive the tongue B whenever the tongue is pressed down to enter the hook. In Fig. 3 the spring D is

shown in combination with a simple wire hook, *e*, the bend of the spring and its bearing-point, near the point of the tongue, serving to prevent the point of the tongue from catching. The struck-up point-covering hook shown in Figs. 1 and 2 may thus be dispensed with and a cheaper hook be employed; and my improvement consists in arranging a spring to throw the tongue of the pin against the inner side of the hook, so as to prevent accidental displacement, and at the same time leaving the tongue entirely free and unobstructed between its joint and the inner face of the hook, the spring being located at the point of the tongue, so that the hook will bear upon the tongue between the end of the spring and the joint. The spring in this case may be made thin and light, thus using but little stock to secure the proper amount of pressure upon the end of the tongue.

I claim as my invention—

In a safety-pin, the combination of the pivoted tongue and the hook with a slotted spring adapted to press the tongue toward the inner surface of the hook, said spring being arranged relatively to the position of the hook and tongue, substantially as described.

THEODORE W. FOSTER.

Witnesses:

IRA O. SEAMANS,
SOCRATES SCHOLFIELD.