

(No Model.)

T. W. FOSTER.

SAFETY PIN.

No. 251,211.

Patented Dec. 20, 1881.

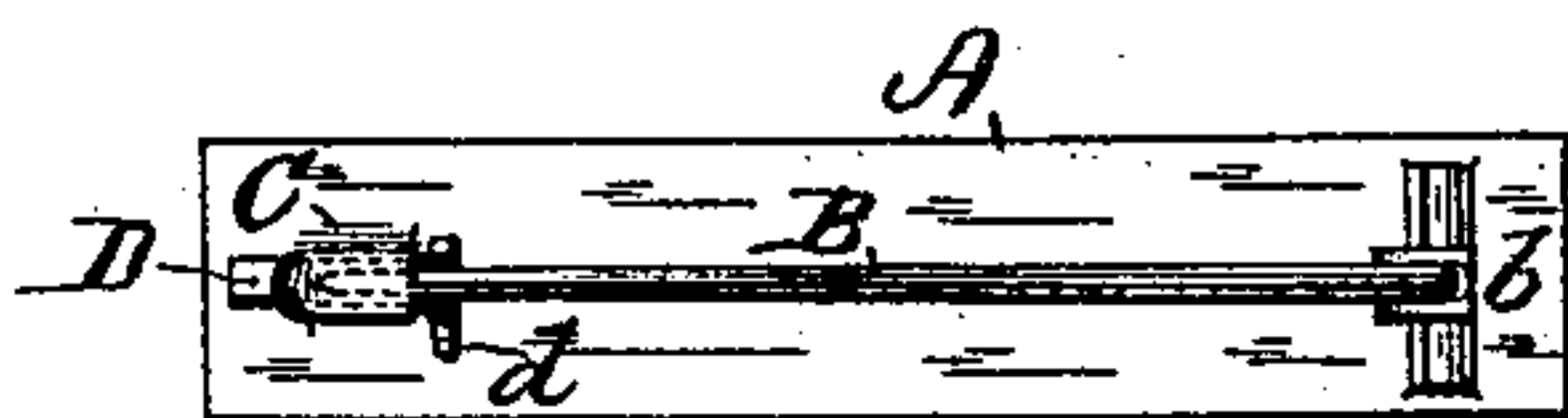


FIG. 1.

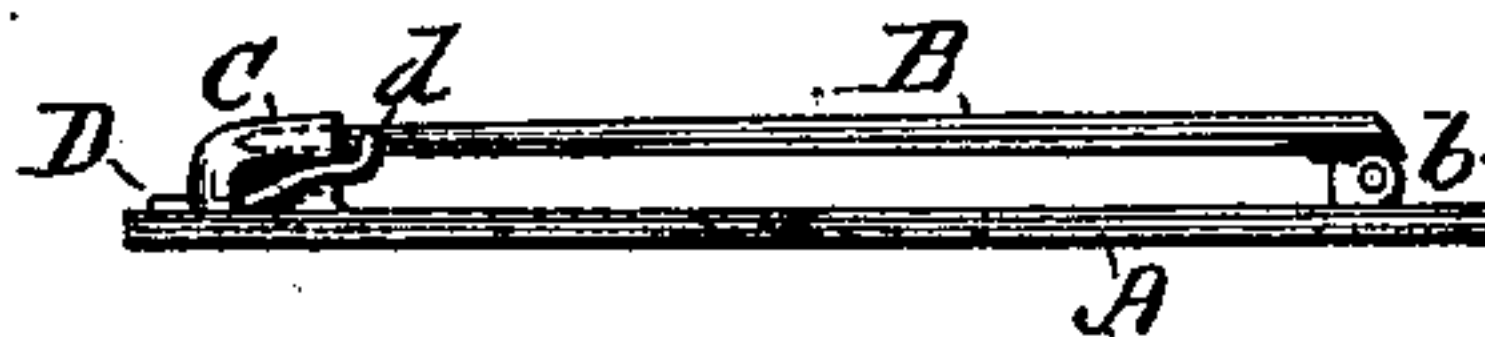


FIG. 2.

WITNESSES,

Socrates Scholfield
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UNITED STATES PATENT OFFICE.

THEODORE W. FOSTER, OF PROVIDENCE, RHODE ISLAND.

SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 251,211, dated December 20, 1881.

Application filed October 1, 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 combination of a pivoted tongue and hook with a spring, the free end of which is protected from accidental bending or injury by location under the hook, and serving to prevent the accidental displacement of the tongue.

Figure 1 is a plan view of the back of the pin. Fig. 2 is a side elevation of the same.

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

The spring D is soldered to the plate A under the rounded rear end of the hook C, the lower edge of which is recessed to receive the thickness of the spring. The spring is thus very firmly secured. A projection, *d*, at one side of the end of the spring serves to receive the tongue B whenever the tongue is pressed downward to enter the hook.

The spring D may be made to extend slightly beyond the face of the hook, as shown in the drawings, or the end of the spring may be brought back even with or within the face of the hook.

Similar springs have heretofore been employed to throw the tongue B from the plate A against the inner side of the hook, in order to prevent accidental displacement of the tongue; but such spring has been secured to the plate at the joint *b*, extending thence along the plate to near the front of the hook, and not within the same, being thus liable to accidental bending in a sidewise and outward direction from lack of support, also requiring a great amount of stock, owing to the length of the spring and the thickness of metal necessary to secure the proper rigidity. My improvement therefore consists in passing the spring within the hook, whereby a short thin spring may be used, which will be prevented from becoming bent outward and broken by the protecting rigid hook, made to inclose the whole or a portion of the same.

I claim as my invention—

In a safety-pin, the combination of the pivoted tongue and the hook with a spring adapted to press the point of the tongue toward the inner surface of the hook, said spring being located under the hook, substantially as and for the purpose set forth.

THEODORE W. FOSTER.

Witnesses:

IRA O. SEAMANS,
SOCRATES SCHOLFIELD.