

J. G. DANCE.

Safety-Pins for Thill-Couplings.

No. 148,421.

Patented March 10, 1874.

Fig. 1.

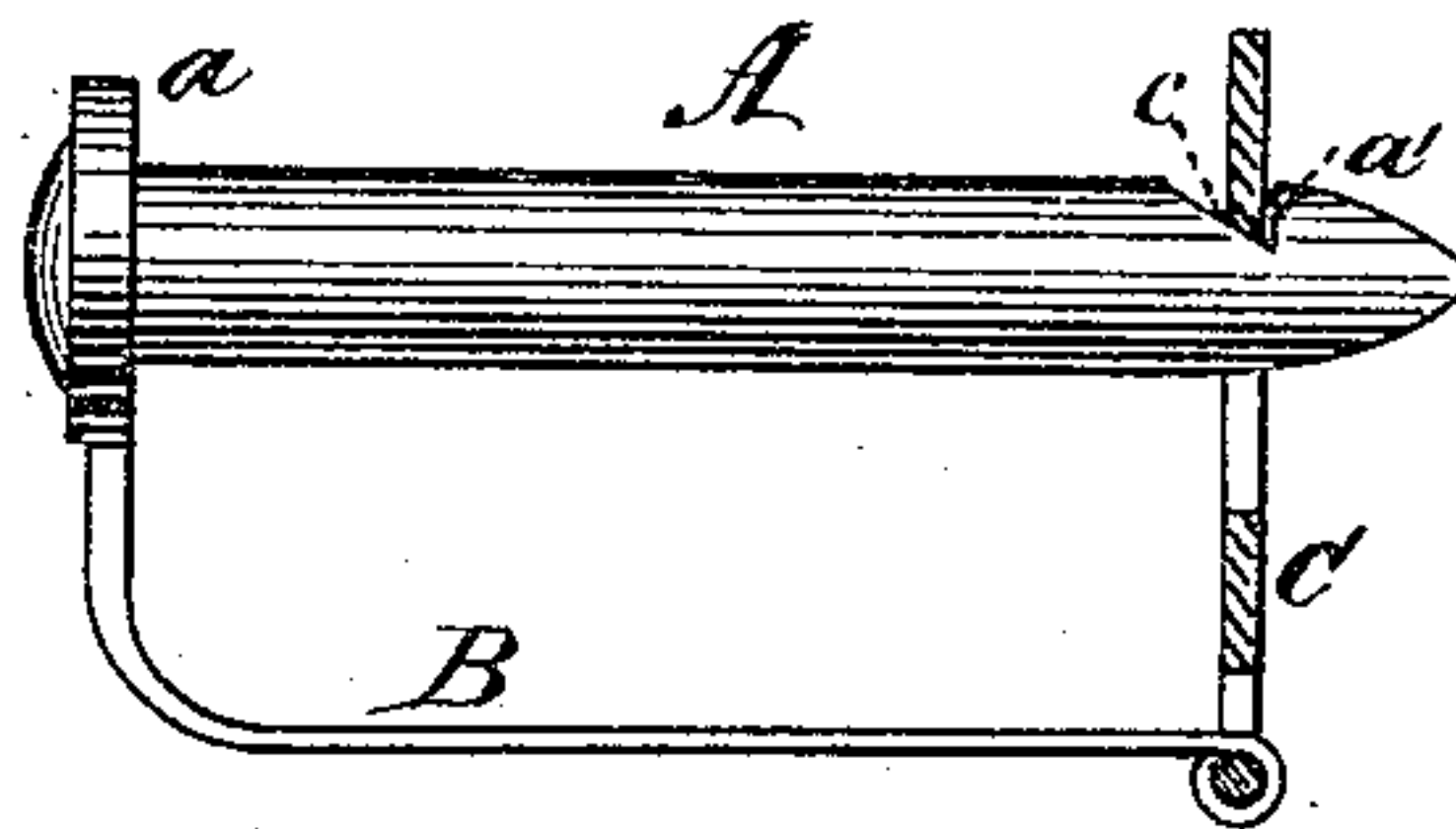
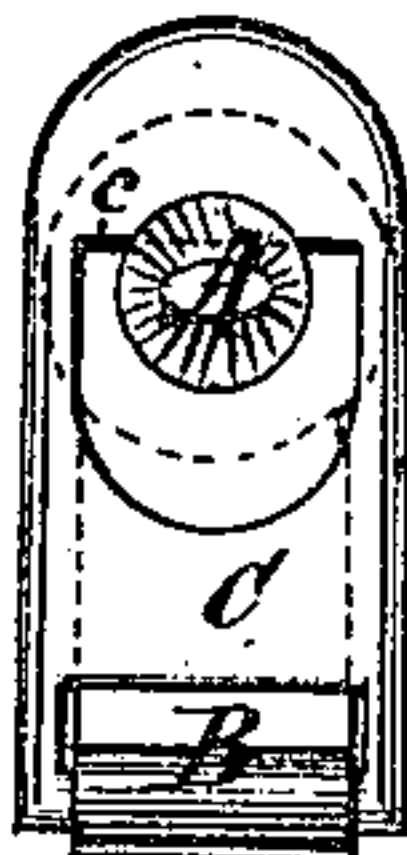


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOSEPH G. DANCE, OF LONG GREEN, MARYLAND.

IMPROVEMENT IN SAFETY-PINS FOR THILL-COUPPLINGS.

Specification forming part of Letters Patent No. **148,421**, dated March 10, 1874; application filed January 20, 1874.

To all whom it may concern:

Be it known that I, JOSEPH G. DANCE, of Long Green, in the county of Baltimore and State of Maryland, have invented a new and Improved Safety-Pin for Thill-Couplings; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a side elevation, partly in section. Fig. 2 is an end view.

The invention relates to means whereby a thill may be coupled to a vehicle with ease and convenience, and yet so securely that no jolting or ordinary casualty will displace it.

The invention consists in providing the coupling pin or bolt with a notch near its point, and combining therewith a slotted or apertured plate, which is hinged to a spring attached to the head of the pin or bolt, as herein fully described.

A represents a pin, whose head *a* is preferably in one piece with a spring, B, to whose end is pivoted a plate, C, having the

aperture with edge *c*. The bolt A tapers toward the point, near which is a notch, whose shoulder *a'* is perpendicular to the axis of pin. The swinging plate C receives the point of pin, and, being pressed up, causes the spring B to yield until the notch is reached, when the spring draws into the notch the eye *c*, which is then held firmly against the shoulder *a'*.

This lock-pin is applied quickly and with great facility, while the spring-held plate C effectually guards against its detachment by any ordinary cause.

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

In combination with the pin A, having the notch near its point, the apertured plate C and spring B, the plate being hinged to the free end of the spring, as shown and described.

JOSEPH G. DANCE.

Witnesses:

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