

L. FALSTREM & C. BURKLAND.

SAFETY PIN.

APPLICATION FILED OCT. 28, 1909.

1,004,398.

Patented Sept. 26, 1911.

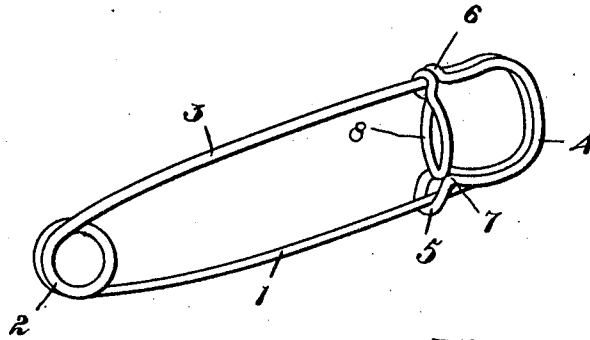


Fig. 1.

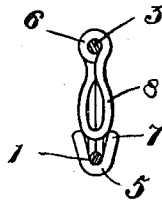


Fig. 2.

Witnesses

A. Dimmock
W. C. Muir

Inventors

Louis Falstrem.
Chas. Burkland.
by *E. F. Peterson*
att'y

UNITED STATES PATENT OFFICE.

LOUIS FALSTREM, OF GRAVENHURST, AND CHARLES BURKLAND, OF JARLSBURG,
ONTARIO, CANADA.

SAFETY-PIN.

1,004,398.

Specification of Letters Patent. Patented Sept. 26, 1911.

Application filed October 28, 1909. Serial No. 525,196.

To all whom it may concern:

Be it known that we, LOUIS FALSTREM, of Gravenhurst, in the district of Muskoka, Province of Ontario, in the Dominion of Canada, and CHARLES BURKLAND, resident of Jarlsburg, in the district of Parry Sound, in the Province of Ontario, in the Dominion of Canada, both subjects of the King of Great Britain, have invented certain new and useful Improvements in Safety-Pins, of which the following is a specification.

The invention relates to improvements in safety pins, as described in the following specification and illustrated in the accompanying drawings that form part of the same.

The object of the invention is to obviate the difficulties and annoyances due to the accidental unfastening of the pin, and it consists essentially in the novel construction of a length of wire, whereby the point of the pin is retained securely in the guard loop by a spring looped member extending inwardly from the back of the pin and co-acting with the two members of the guard loop, closing the opening to said guard loop.

In the drawings, Figure 1 is a perspective view of the pin constructed in accordance with this invention. Fig. 2 is a sectional view of the pin showing the exact relative arrangement of the guard, spring loops and pin.

Like numerals of reference indicate corresponding parts in each figure.

Referring to the drawings, 1 is the pointed pin member having the spring coils 2 formed at one end thereof.

3 is the back of the pin formed by an extension from the spring loop 2 extending outwardly and bent to form a crook shaped hook 4. The wire at the terminal end of the crook shaped member 4 is bent to form the guard loop 5 adapted to receive the pointed end of the pin. The wire is then bent to conform to the shape of the crook shaped portion 4 and the upper side of the pin and is curled around the back portion 3, the loop 6 formed by said curled portion

being arranged directly opposite the inwardly projecting angular portions 7 of the guard loop. From the loop 6 the wire is bent inwardly toward the guard loop and bowed to form the spring loop 8, the terminal end of the wire being wrapped around the back 3 against the loop 6. The loop 8 is of substantial elliptical shape and the outer rounded sides of the outer end touches the inner sides of the outward portions of the guard loop, the extreme point of the elliptical shaped loop 8 extending forward partially into said guard loop and closing the opening to said loop.

In the use of this article the point of the pin enters the guard loop by pressing it against the side of the spring loop 8 and the said spring loop 8 springs sidewise sufficiently to allow the pin to drop into the said loop 4, the spring guard 8 returning immediately and closing the passage to said loop, thus preventing the pin from being accidentally opened. It will thus be seen that the said pin is held securely but when it is desired to open the same the spring loop will spring to either side to allow the pin to escape from the loop 5 on sufficient pressure being brought to bear on it. The pin may be closed very easily and also opened very easily but when closed prevents the pin point from being accidentally withdrawn.

What we claim as our invention is:—

In a safety pin formed from a single length of wire with a U-sectioned point guard at one end, an integral resilient loop member disposed in a plane substantially at right angles to the pin and extending from opposite said point guard and bridging across and contacting with the sides of said guard at the mouth thereof.

Signed at Parry Sound, Ontario, Canada, this 21st day of October 1909.

LOUIS FALSTREM.
CHARLES BURKLAND.

Witnesses:

R. P. LEONARD,
PETER FALSTREM.