

(No Model.)

D. A. CARPENTER.
SAFETY PIN.

No. 509,998.

Patented Dec. 5, 1893.

Fig. 1.

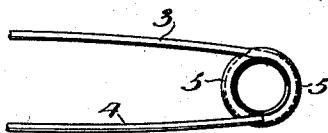


Fig. 2.

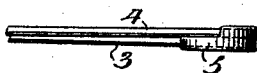


Fig. 3.

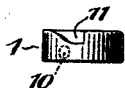


Fig. 4.



Witnesses
Edward Thorpe.
C. C. Miller

Inventor
Daniel A. Carpenter

UNITED STATES PATENT OFFICE.

DANIEL A. CARPENTER, OF NEW YORK, ASSIGNOR OF ONE-HALF TO EMILE PICKHARDT, OF ISLINGTON, NEW YORK.

SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 509,998, dated December 5, 1893.

Application filed March 2, 1893. Serial No. 464,461. (No model.)

To all whom it may concern:

Be it known that I, DANIEL A. CARPENTER, of New York city, in the county and State of New York, have invented a certain new and useful Improvement in Safety-Pins, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in safety-pins which have a guard to prevent the fabric from catching in the coil, and the invention consists of a safety-pin whose coil is provided with a guard which is formed and attached to the coil substantially as is herein described and claimed.

In the accompanying drawings, Figure 1 is a side view of a part of a safety-pin, showing the guard applied to the coil; Fig. 2, a view of the same part on the edge which is shown turned downward in Fig. 1; Fig. 3, an edge view of the guard before it is attached to the pin; and Fig. 4, a cross-section of the same.

Similar reference numbers designate like parts in the different views.

The object of this invention is to provide safety-pins with a guard in which the coil is inclosed so that the fabric is kept from working into the coil, and a good finish is imparted to that part of the pin, and so that the action of the coil is not restricted by the guard. This guard is formed from a blank cut for example from thin sheet brass. It has the shape shown in Figs. 3 and 4 before it is applied to the pin. In the upright part 1 is a hole 10

through which the sharpened member of the pin is to pass, and a notch 11 in which the unsharpened member is to rest. The part 2 extends inward from the part 1 far enough to cover the coil on one side of the pin, and the hole 10 is located close to the part 2, while the bottom of the notch 11 is about even with the edge of the hole 10 on the side opposite to the part 2. The guard is secured to the coil by passing the sharpened member 3 of the pin through the hole 10 and laying the coil in the guard so that the unsharpened member 4 rests in the notch 11, and then turning the edge of the guard over the coil by means of suitable dies. In this way the guard 5 is converted into the form in which it appears in Figs. 1 and 2, when it conceals the coil, and contributes to the utility of the pin by preventing the fabric from catching in and being torn by the coil.

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

A safety-pin provided with a guard 5, similar in form to a cup when it is applied to the pin, and having the hole 10 and notch 11 in its side, and having its notched edge turned over on the coil inclosed by the guard, substantially as described.

DANIEL A. CARPENTER.

In presence of—

FRANK B. PACKARD,
WM. W. SHAW.

It is hereby certified that the residence of the assignee in Letters Patent No. 509,998, granted December 5, 1893, upon the application of Daniel A. Carpenter, of New York, N. Y., for an improvement in "Safety-Pins," was erroneously written and printed "Islington, New York"; that said residence should have been written and printed *Islington, Massachusetts*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 19th day of December, A. D. 1893.

[SEAL.]

JNO. M. REYNOLDS,
Assistant Secretary of the Interior.

Countersigned:

JOHN S. SEYMOUR,
Commissioner of Patents.