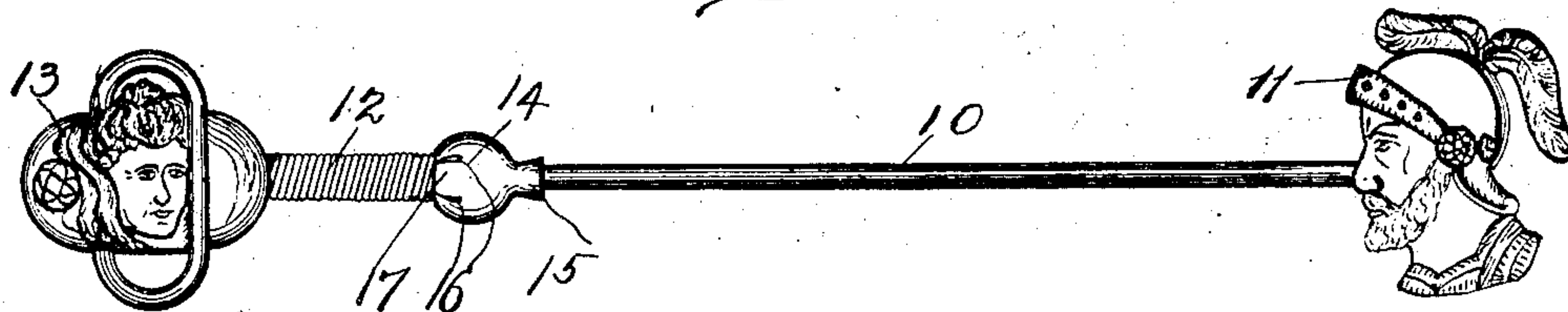


No. 862,920.

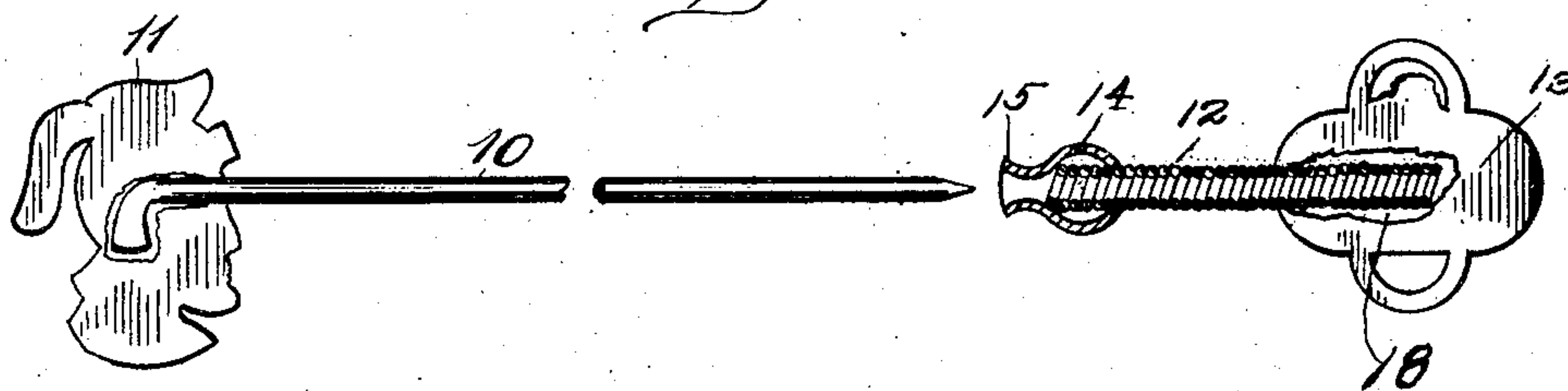
PATENTED AUG. 13, 1907.

K. E. JOHANSSON.  
PIN PROTECTOR.  
APPLICATION FILED MAY 14, 1906.

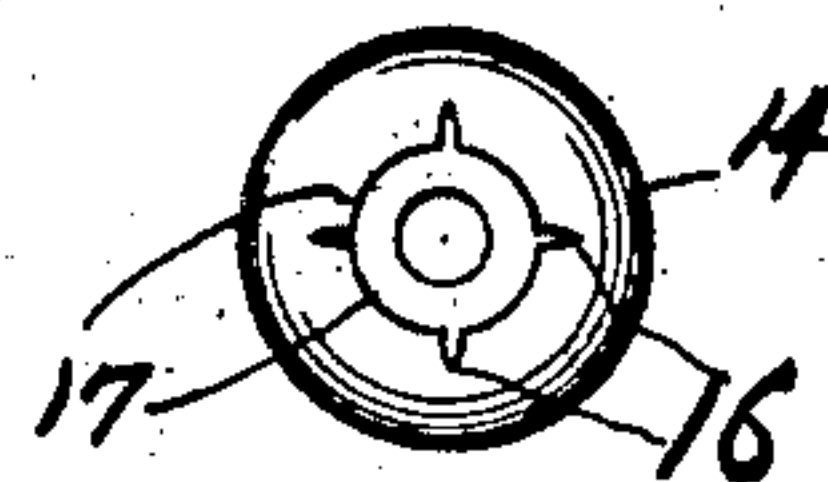
*Fig. 1.*



*Fig. 2.*



*Fig. 3*



Witnesses:

Chas. E. Gorton.

M. A. Nyman.

Inventor:

Karl E. Johansson.

*Chas. C. Tillman*  
BY *Chas. C. Tillman*  
Att'y.

# UNITED STATES PATENT OFFICE.

KARL E. JOHANSSON, OF CHICAGO, ILLINOIS.

## PIN-PROTECTOR.

No. 862,920.

Specification of Letters Patent.

Patented Aug. 13, 1907.

Application filed May 14, 1906. Serial No. 316,636.

*To all whom it may concern:*

Be it known that I, KARL E. JOHANSSON, a subject of the King of Sweden, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in a Pin-Pro-  
5 tector, of which the following is a specification.

This invention relates to improvements in a device to be used on pointed pins of various kinds, such as hat pins for ladies hats, scarf and shawl pins, and the  
10 like, for shielding or protecting the points thereof so as to prevent them pricking or piercing, and also to prevent their accidental removal or loss, and it consists in certain peculiarities of the construction, novel arrangement, and operation of the parts thereof, as  
15 will be hereinafter more fully set forth and specifically claimed.

The principal object of the invention is to provide a pin protector, which shall be simple, inexpensive and ornamental in construction, strong, durable and effective in operation, and which shall be so made that it  
20 may be readily and securely placed in position on the pointed portion of the pin so as to shield or protect the same, yet may be readily removed therefrom when desired.

In order to enable others skilled in the art to which my invention pertains, to make and use the same, I will now proceed to describe it, referring to the accompanying drawing, in which—

Figure 1 is a view in side elevation of a pin protector embodying my invention, showing it in position on the pointed end of a pin. Fig. 2 is a view partly in  
30 section and partly in elevation of the reverse side of the device shown in Fig. 1, illustrating the protector detached from the pin and the latter shortened for the convenience of illustration. Fig. 3 is an enlarged view  
35 in elevation of the globular part of the protector shown in Figs. 1 and 2, viewed from one end thereof.

Like numerals of reference, refer to corresponding parts throughout the different views of the drawing.

The reference numeral 10 designates the pin, which in Figs. 1 and 2 of the drawing, is shown as being a hat pin, but which may be a pin used for any desired  
40 purpose which has a pointed end to be protected. One end of the pin is pointed, and the other end thereof may be provided with a head 11, of an ornamental or any desired character, which may be soldered or  
45 otherwise secured to the pin.

The protector or shield consists of a helix of wire 12,

of any suitable size and kind, but which should have its interior diameter slightly smaller than the body of  
50 the pin 10. On one end of the wire coil 12 may be mounted and secured in any desired manner a head 13, which may be ornamental in character, or otherwise. The other end of the helix or wire coil 12 has  
55 mounted thereon a globular head 14, which is preferably elongated or formed with a flaring extension 15, as shown in Figs. 1 and 2 of the drawing. This globular head is hollow, as shown in Fig. 2, and is provided in its end opposite that on which the flaring extension  
60 15 is located with a series of slits 16, which divide said portion into parts 17, which may be clamped on the wire coil 12 after the same has been inserted at one of its ends into the opening of the said globular head,  
65 thus securing the same in place. As shown, the extension 15 of the head 14 is provided with a flaring hollow to guide the point of the pin into the end of the helix or wire coil located within the head 14.

From the foregoing and by reference to the drawing, it will be seen and clearly understood that by using a protector constructed according to my invention, the  
70 pointed end of the pin may be shielded or protected by inserting it into the coil 12 through the guiding head thereon, which will cause it to expand sufficiently to receive the pin, when by reason of its contractile nature, it will firmly clasp the pin and be re-  
75 tained in position thereon, thus protecting the point of the pin, as well as preventing its accidental removal or loss. By providing the globular head 14 with the hollow flaring extension 15, it is apparent that the pin may be more readily inserted into the coil or helix,  
80 when that portion of the latter, which extends into the hollow head 14, will be permitted to expand therein.

Having thus fully described my invention, what I claim as new and desire to secure by Letters-Patent, 85 is—

As an improved article of manufacture, a pin protector consisting of a helix of wire, a hollow and apertured head mounted on one end of the helix and having a flared and slitted extension to receive the pin, and a head mount-  
90 ed on the other end of the helix to hold the same when the pin is inserted into said extension or removed therefrom, substantially as described.

KARL E. JOHANSSON.

Witnesses:

CHAS. C. TILLMAN,  
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