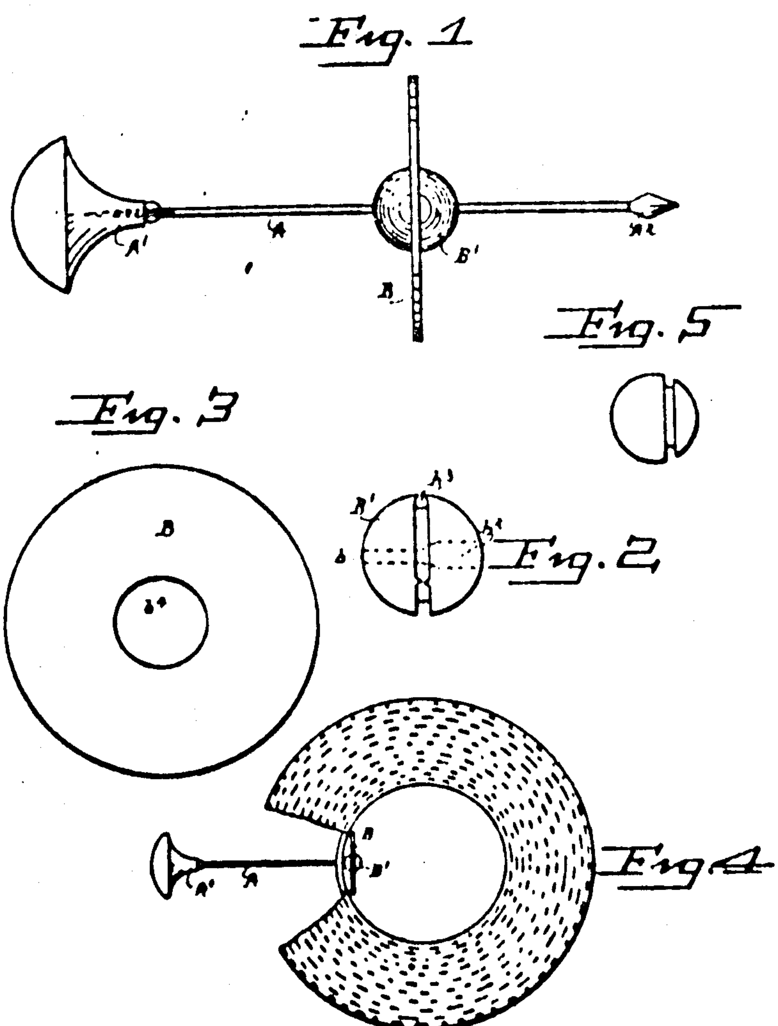
A. A. ROBERTS.
HAT PIN.
APPLICATION FILED DEC. 13, 1909.

1,002,867. Patented Sept. 12, 1911.



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1,002,867. HAT-PIN. Alice A. Roberts, New York, N. Y. Filed Dec. 13, 1909. Serial No. 532,783.

To all whom it may concern:

Be it known that I, Alice A. Roberts, a citizen of the United States, and resident of the borough of Brooklyn, city of New York, in the county of Kings and State of New York, have invented certain new and useful Improvement in Hat-Pins, of which the following is a specification.

The general type of hat worn by women is so constructed and fitted that it requires a means other than the hat itself, or the parts thereof for securing it in place upon the head of the wearer. For that purpose certain types of instruments, hatpins have been long used. The more common type of hat pin is one which is readily withdrawn completely from the hat, but there is another kind of hat pin, one which serves without complete separation from the hat and my invention is of this class.

I provide means for readily passing the hat pin through one side of the hat, and I provide an ornamental head for the external end of my pin, but in addition to this I provide a liberal shield having a metal center, which is slidable upon the inwardly extending part of the pin.

The following is what I consider the best means of carrying out my invention.

The accompanying drawings form a part of this specification, in which:

Figure 1 shows my hat pin and shield assembled. Fig. 2 shows the metal center section. Fig. 3 shows the shield. Fig. 4 shows my device in a hat; a section of the brim is broken away for clearness. Fig. 5 shows the metal portion of the shield, in which the groove for the fiber disk is not about the center periphery.

Similar letters of reference indicate like parts in all the figures where they appear.

A indicates the pin, a head A^1 is attached to the main body of the pin by screw threads, and the end of the pin, upon which the screw threads have been produced is also provided with a sharpened point for it is this end of the pin, that is forced outward through the crown of the hat. The inwardly extending point of the pin A^2 is flattened and caused to assume a shape not unlike a spear head, though any sharpness which has been caused by shaping must be carefully removed as this portion of the instrument is intended to be smooth and well rounded.

The shield is composed of two main parts, the disk B, and the center metallic portion B^1. The disk may be of metal, but I prefer to make it of felt, and have so operated in my experiments. In thickness it is about one-eighth of an inch, and although this is not important it should be sufficiently firm to remain extended, or in its nearly flattened disk shape. In the center of the disk B, I produce a hole b^4 of a size only just sufficiently large to fit snugly about the bottom of a groove or recess with which it is designed to operate. The metal part B^1 is a solid globe or ball. A hole b sufficiently large to fit loosely about the pin A is bored quite through the axial center of the ball. One end of the hole b is countersunk to form a recess b^1, properly shaped and of sufficient depth to accommodate the spear shaped point of the pin A as shown in Fig. 4. About the periphery of the ball B^1, and at right angles to the hole b is a groove b^3. Its width exactly equals the thickness of the washer B, and its depth is sufficient to retain the washer reliably when it has been forced over the ball and allowed to contract within the slot b^3.

In the manufacture, the parts are each properly shaped and finished and the hole in the disk B is expanded and allowed to contract in the groove b^3, of the part B^1. For fear of inadvertent displacement the edges of the groove b^3 are upset or turned in, in such a manner as to clamp the disk B securely in place. The completed shield is then strung upon the body of the pin, care being taken to so relation the parts that the spear shaped point of the pin will find a natural and ready resting place within the recess b^2. The sharpened screw threaded point of the pin is now thrust through the crown of the hat and the head is by means of the screw threads secured to the main body of the pin, and my device is now ready for operation.

I attach importance to the construction and operation of the fibrous disk B and its metallic center B^1, because the metallic center accepts, shields and provides a firm bearing for the point A^2 of the pin A and because it is well adapted to slide easily along the pin and more especially because the fibrous disk readily assumes a position between the hat and head of the wearer which causes no discomfort.

Modifications within the scope of the appended claims may be made by any good mechanic.

Having carefully and fully described my invention what I claim and desire to secure by Letters Patent is:—

1. A hat pin having one end flattened, the other end screw-threaded and sharpened and having a head adapted to serve upon the screw-threaded end in combination with a fibrous disk and a metallic member adapted to slide longitudinally upon said pin, said metallic member being provided with a recess for the reception of the flattened end of the pin, and a circumferential groove for the reception of the said fibrous disk as specified.

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2. A hat pin having one end flattened, the other end screw-threaded and sharpened and having a head adapted to serve upon the screw-threaded end in combination with a fibrous disk and a metallic member adapted to slide longitudinally upon said pin, said metallic member being provided with a recess for the reception of the flattened end of the pin, and a circumferential groove for the reception of the said fibrous disk, and having means adjacent to said groove for securing said disk within said groove as specified.

Signed at New York city in the county of New York and State of New York this 25 day of October A. D. 1909.

ALICE A. ROBERTS.

Witnesses:
F. A. CHICKERING,
G. E. STERRITTE.