

G. C. JOHNSON.
SAFETY HAT PIN.
APPLICATION FILED MAR. 17, 1910.

997,451.

Patented July 11, 1911.

Fig. 1.

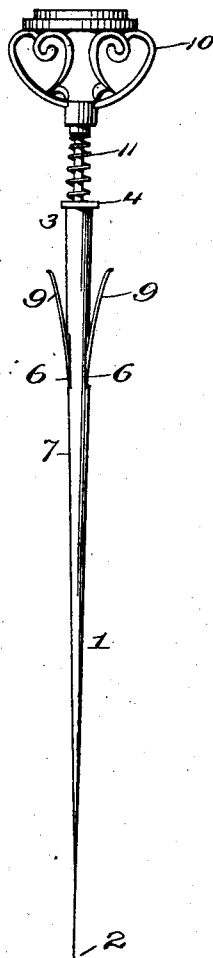
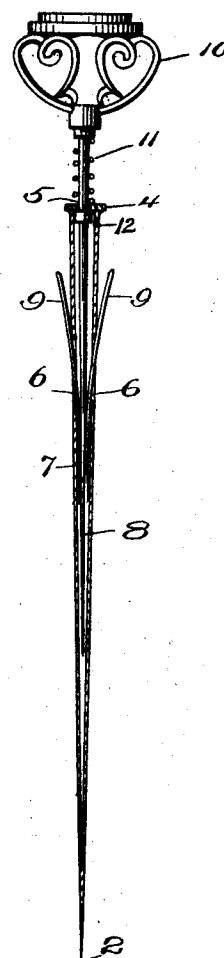


Fig. 3.



Fig. 2.



Witnesses

J. M. Fowler Jr.
R. Duffie

Inventor

G. C. Johnson

By

John L. Duffie

Attorney

UNITED STATES PATENT OFFICE.

GUSTAVUS C. JOHNSON, OF DILLON, SOUTH CAROLINA.

SAFETY HAT-PIN.

997,451.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GUSTAVUS C. JOHNSON, a citizen of the United States, residing at Dillon, in the county of Marion and State of South Carolina, have invented certain new and useful Improvements in Safety Hat-Pins, of which the following is a specification.

My invention relates to new and useful improvements in hat pins and the main object thereof is to produce a device of this nature that will not become displaced after being passed through the crown of a hat.

Further objects of my invention are to provide a pin for the purpose above indicated that will be durable, efficient in operation and inexpensive to manufacture.

With the foregoing and other objects in view my invention consists of the novel construction and arrangement of parts as are described in this specification, illustrated in the accompanying drawings forming a part thereof and particularly pointed out in the appended claims.

Reference being had to the drawings, which are not drawn to any particular scale: Figure 1 is an elevation of my invention. Fig. 2 is a vertical sectional view thereof. Fig. 3 is a detail of the body portion of the pin.

Referring more particularly to the drawings, in which like numerals designate like parts throughout, my invention is described as follows: The body portion 1 of said pin terminates at its lower end in a point 2, said body portion becoming of a greater circumference as the upper end 3 is approached, at which end is provided a collar 4 secured thereto, said collar having passing centrally therethrough its perforation 5. The body portion 1 is hollow and is provided with two elongated slots 6 in its wall 7, said slots being oppositely disposed to each other. An ordinary pin 8 provided with two upwardly extending arms 9 pivotally connected therewith is passed into said hollow body portion 1 through the perforation 5. Said pin is provided with a head 10. Interposed between the head 10 and said collar 4 is a helical or coil spring 11, which spring normally holds said pin 8 in raised or safety position. When said pin 8 is placed within the hollow body portion, against the action of said spring 11, the

arms 9, each pass through a corresponding adjacent slot 6 of said body portion. (See Figs. 1 and 3). Formed integral with said pin 8 is an enlargement 12, which enlargement is for the purpose of halting vertical movement of the pin 8. Said enlargement 12 may be formed to said pin 8 after the pin is placed in position, if desired, or the enlargement 12 may be formed to the pin after the same is passed through the collar 4, when said collar may be secured by any suitable means, such as solder, to the upper end of said body portion.

My pin is placed in position as follows: The point 2 is first inserted in the crown of the hat when the body portion 1 of the pin is held between the fingers while the head 10 of the pin 8 is pressed against the action of said spring 11, which causes said arms 9 to pass within the hollow body portion. The pin is then further passed through the hat until in proper position when the head 10 is allowed to be pressed outward by the action of said spring 11, when the said hat pin will be held against displacement by means of said arms 9, which would easily contact the inner surface of the crown of said hat should said pin become loose from its position and otherwise would probably become lost.

Although I have specifically described the construction of my invention yet I may exercise the right to make such changes therein as do not depart from the spirit of the invention or the scope of the appended claim.

Having described my invention what I claim as new, is:

A safety hat pin comprising a tapering hollow body portion which portion is provided with two oppositely disposed longitudinal slots in the wall thereof, a collar provided at the upper end of the body portion, a headed pin received by the body portion and extending through the perforation in said collar, said pin provided with arms pivotally held thereto, one of said arms received by a corresponding slot when the pin is in safety position, an enlargement provided upon said headed pin, said enlargement being within the hollow body portion and being for the purpose of halting the vertical movement of said headed pin, a coil spring interposed between the

outer face of said collar and the head of
said pin, said spring being the means where-
by the pin is normally held in safety posi-
tion, said body portion being pointed at its
5 outer end for the purpose of piercing the
hat which it is intended to secure in proper
place.

In testimony whereof I affix my signa-
ture, in presence of two witnesses.

GUSTAVUS C. JOHNSON.

Witnesses:

C. T. O'FERRALL,
R. S. DAVIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
