(No Model.)

A. J. CARLSON.

HAT FASTENER.

No. 590,802. Patented Sept. 28, 1897.

Fig. 1.

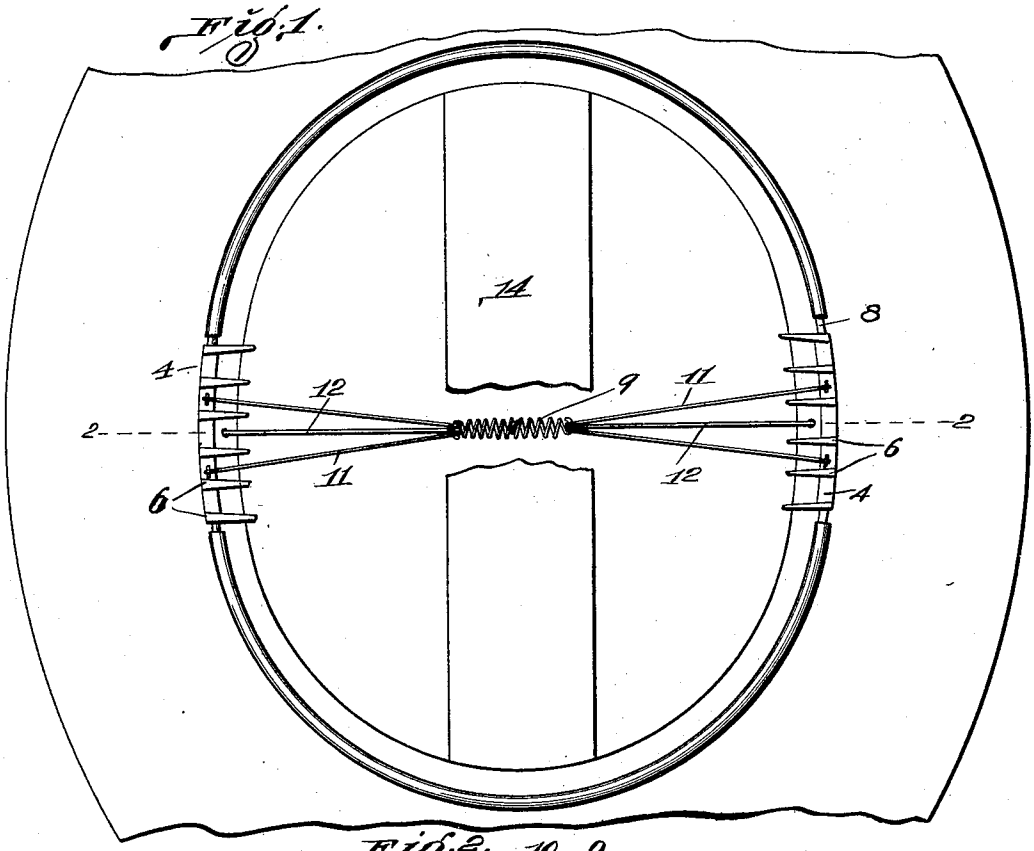


Fig. 2.

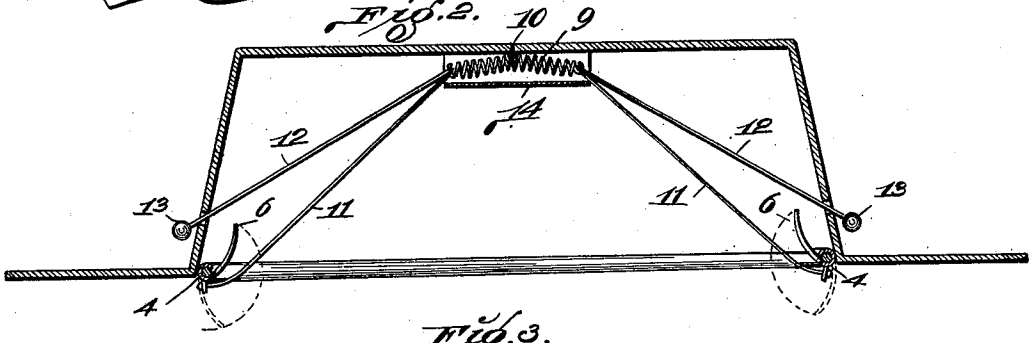
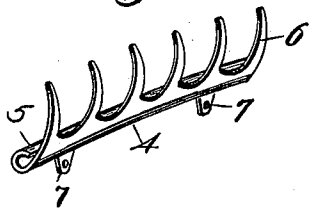


Fig. 3.



Witnesses:
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ANNIE J. CARLSON, OF ST. LOUIS, MISSOURI.

HAT-FASTENER.

SPECIFICATION forming part of Letters Patent No. 590,802, dated September 28, 1897.

Application filed April 19, 1897. Serial No. 632,878. (No model.)

To all whom it may concern:

Be it known that I, ANNIE J. CARLSON, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Hat-Fasteners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to hat-fasteners; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

Figure 1 is a bottom plan view of a hat, showing my improved fasteners in position for use, parts being broken away to economize space. Fig. 2 is a vertical transverse sectional view taken approximately on the line 2 2 of Fig. 1. Fig. 3 is a view in perspective of a comb of which I make use.

Referring to the drawings by numerals the combs 4 are stamped from sheet metal and consist of the portions 5, which are rolled into tubes and form bearings, the teeth 6, which project from the portions 5, and the perforated ears 7, which are attached to the portions 5 by means of solder, brazing, or in any suitable way.

The wire 8 is passed through the bearings 5 and is attached to the inner face and lower edge of the crown of the hat in any suitable way, thus forming pivotal connections between the combs 4 and the hat.

The retractile coil-spring 9 is attached at its center to the lower face of the center of the crown by a staple or stitch 10 or any suitable means, said spring being held substantially in a horizontal position and extending in a line transversely of the hat. The wires 11 connect the ends of the spring 9 with the ears 7, and the tension of the spring 9 is exerted to hold the teeth 6 of the combs 4 in an elevated position, as shown in Fig. 2. The wires 12 are attached to the spring 9 and extend downwardly and outwardly through the crown of the hat, and the balls 13 are attached to the outer ends of the wires 12 and are designed to be used as handles.

When the hat is to be placed in position upon the head, the wearer grasps the balls 13 and pulls them outwardly, thus stretching the spring 9 and swinging the free ends of the teeth 6 downwardly, as indicated in dotted lines in Fig. 2. The hat is then placed in position upon the head, the balls 13 are released, and the tension of the spring 9 will operate to swing the teeth 6 of the combs inwardly and upwardly, and in passing inwardly and upwardly said teeth will engage in the hair and thus form a very secure connection between the hat and the head. A band or strip 14 of suitable material is placed in position in the crown of the hat transversely of the spring 9, the ends of said strip being attached to the hat, as required to cover the spring 9.

I claim—

1. In a hat-fastener, combs consisting of portions rolled into tubes and forming bearings, teeth projecting from said bearings, and ears projecting from said bearings; means of pivotally attaching said combs to the lower edge of the crown of the hat and upon opposite sides, coil-springs mounted in the center of the crown, wires hinged to said ears and attached to said springs and wires attached to said springs and extending outwardly through the crown of the hat, substantially as specified.

2. In a hat-fastener, combs pivotally attached to the lower edge of the crown of the hat and upon opposite sides; each of said combs consisting of a bearing, teeth projecting from said bearing, and ears projecting from said bearing; retractile springs mounted in the center of the crown of the hat, wires hinged to said ears and attached to said springs and wires attached to said springs and extending outwardly through the crown of the hat, substantially as specified.

3. In a hat-fastener, a wire extending around the lower edge of the crown of the hat and secured in position, combs pivotally attached to said wire, retractile springs mounted in the center of the crown of the hat, wires hinged to said combs and attached to said springs and wires attached to said springs and extending outwardly through the crown of the hat, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

ANNIE J. CARLSON.

Witnesses:

S. G. WELLS,

MAUD GRIFFIN.