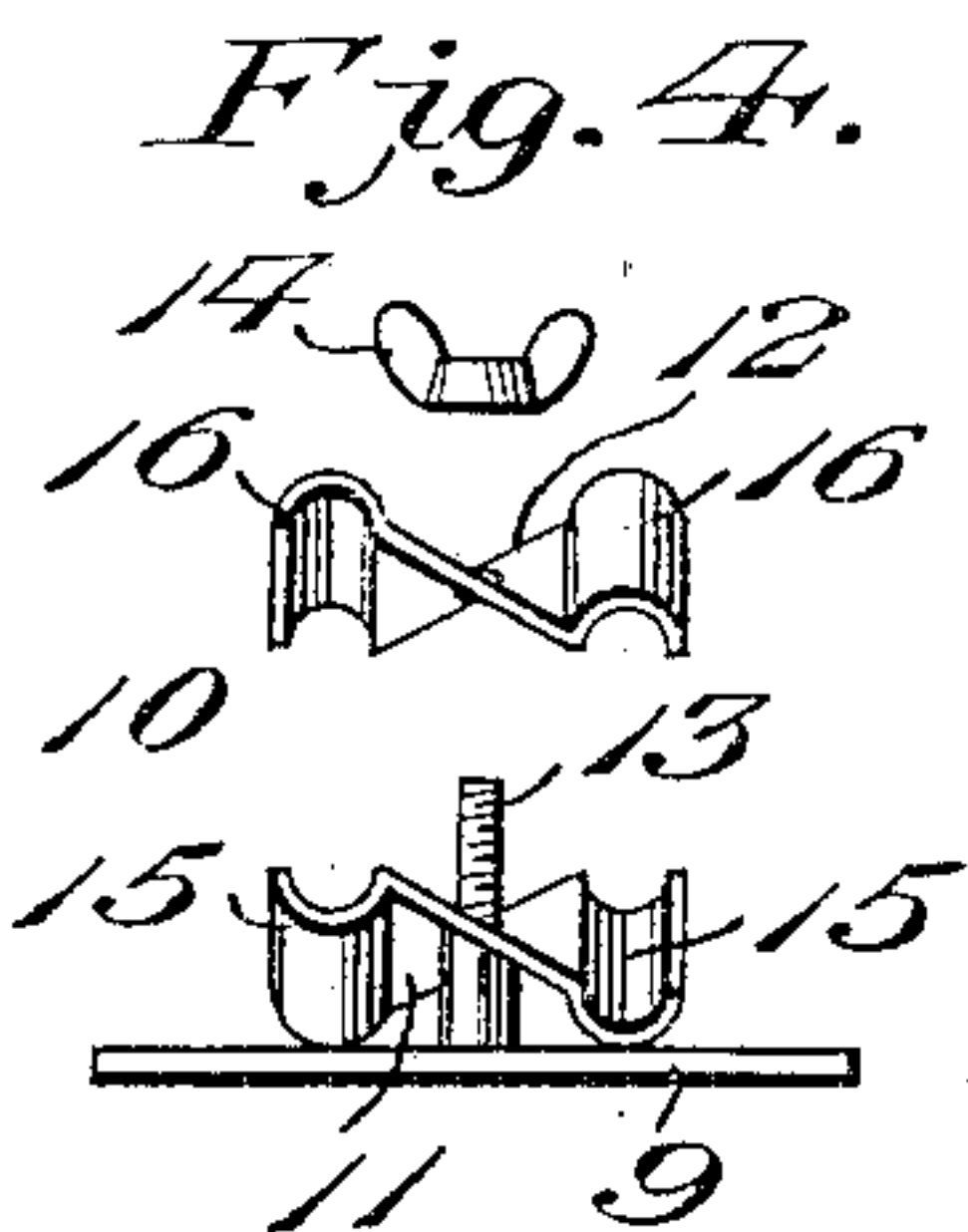
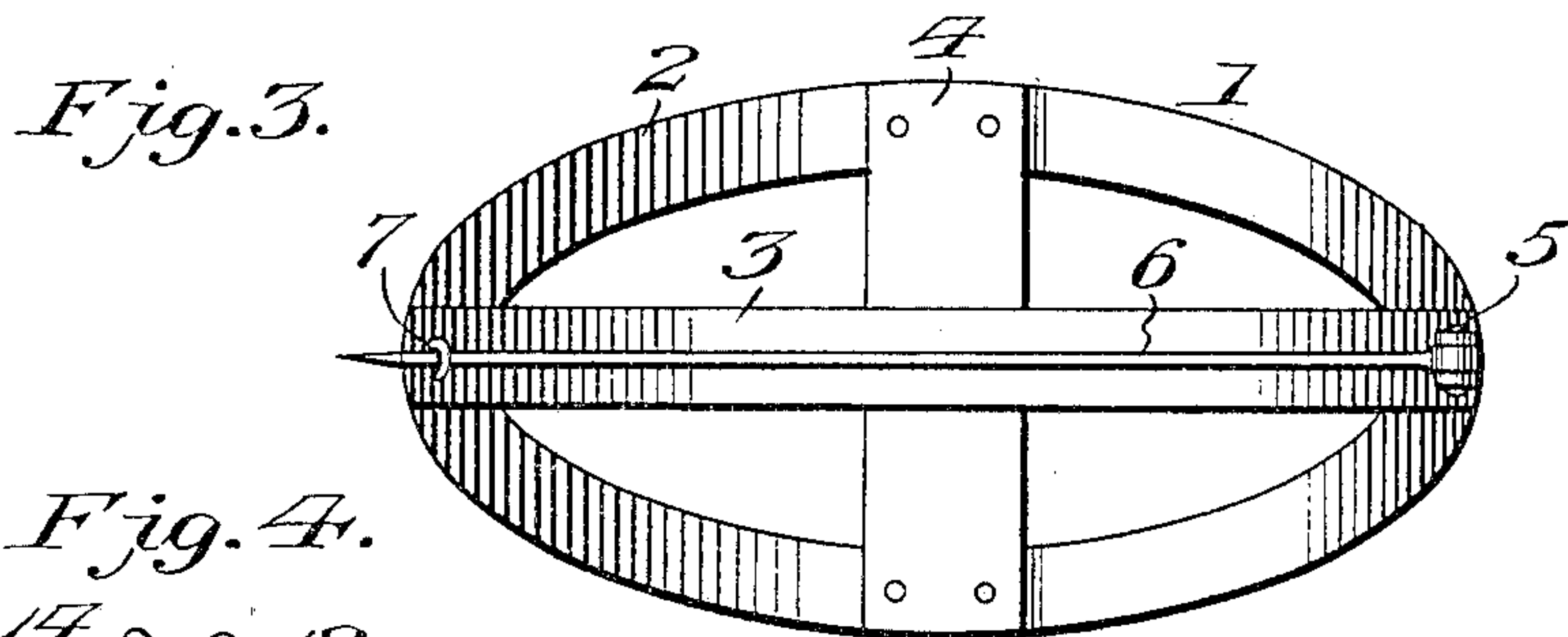
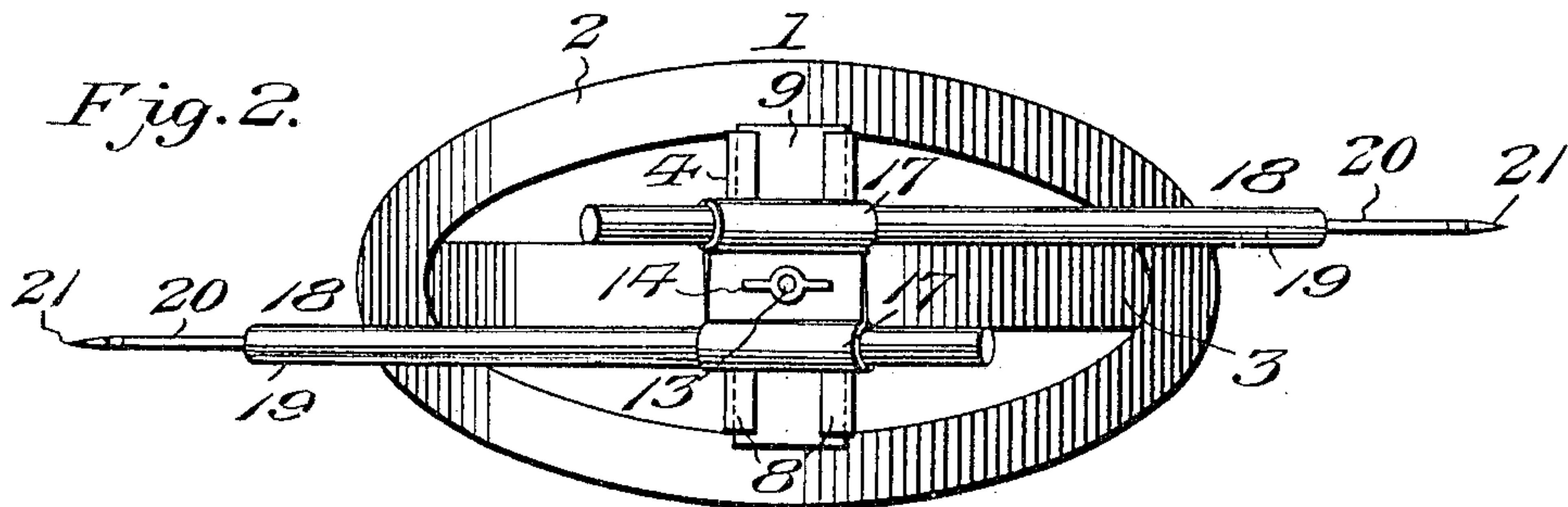
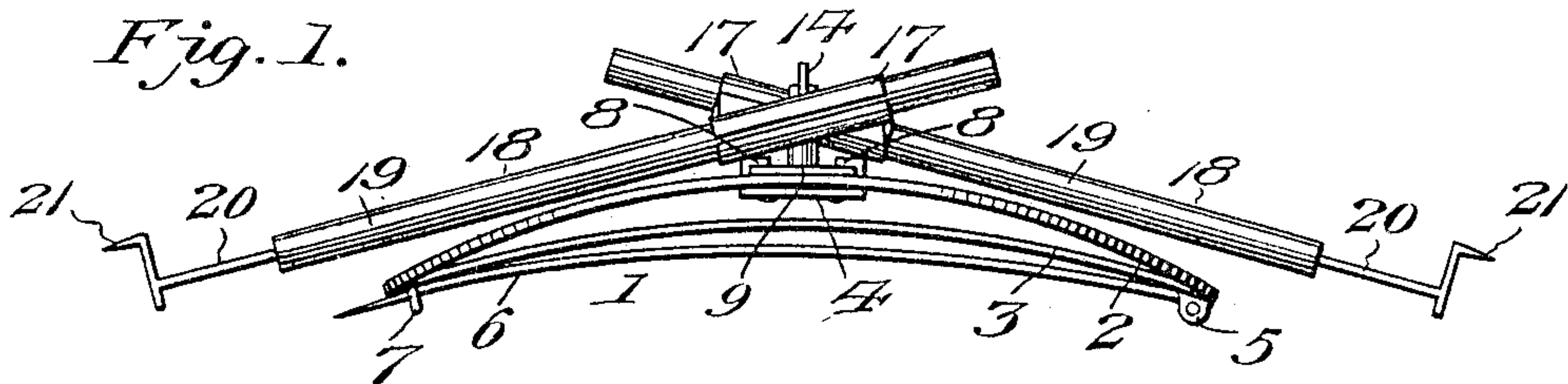


No. 818,988.

PATENTED APR. 24, 1906.

R. WILLIS.
HAT FASTENER.

APPLICATION FILED JUNE 7, 1905.



Witnesses

Edwin G. McKee
G. J. Elmore

Inventor
Robert Willis

By

Victor J. Evans
Attorney

UNITED STATES PATENT OFFICE.

ROBERT WILLIS, OF PHILADELPHIA, PENNSYLVANIA.

HAT-FASTENER.

No. 818,988.

Specification of Letters Patent.

Patented April 24, 1906.

Application filed June 7, 1905. Serial No. 264,200.

To all whom it may concern:

Be it known that I, ROBERT WILLIS, a citizen of the United States of America, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented new and useful Improvements in Hat-Fasteners, of which the following is a specification.

This invention relates to hat-fasteners, and has for its objects to produce a comparatively simple inexpensive device of this character which may be readily applied for use, one which will hold the hat securely upon the head of the wearer, and one in which the hat-engaging members will automatically and firmly engage the latter.

A further object of the invention is to provide a device of this class in which the hat-engaging members may be readily adjusted for coöperation with hats of varying sizes, one in which said members will after adjustment be securely clamped in place, and one wherein the hat-engaging and hair-engaging members may be quickly disconnected when circumstances require.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a side elevation of a device embodying the invention and showing the same applied for use. Fig. 2 is a top plan view of the device. Fig. 3 is a bottom plan view of the hair-engaging member and its supporting-frame. Fig. 4 is a perspective view of the clamp, showing the parts thereof separated. Fig. 5 is a detail view, partly in section, of one of the hat-engaging members.

Referring to the drawings, 1 designates a frame composed of sheet metal or other suitable material and comprising a marginal portion 2, preferably of elliptical form, intersected by a longitudinal portion or plate 3 and a transverse portion or plate 4, said plates being riveted or otherwise attached to the elliptical portion or frame 2, which latter is of concavo-convex form to fit properly upon the crown of the head of the wearer.

Pivoted at one end to the frame 2, preferably by means of a hinge 5, and extending longitudinally beneath the plate 3 is a hair-engaging member or pin 6, curved longitudinally to conform to the head and adapted for engagement at a point adjacent its free sharpened end with a hook or keeper 7, car-

ried by the frame, there being formed upon the longitudinal edges of the plate 4 of the latter upwardly-disposed intumed engaging portions or flanges 8, designed to engage the base portion or plate 9 of a clamping device 10 for detachably connecting the latter with the frame 1. It is to be understood in this connection that the clamping device is attached to the frame by entering the plate 9 longitudinally between the engaging flanges 8, thus permitting ready adjustment of the device 10 in a direction transversely of the frame 1.

The clamping device 10 comprises a lower primary clamping member or plate 11 and an upper secondary clamping member or plate 12, designed for connection with the plate 12 by means of a clamping-screw 13, carried by the latter and threaded to receive a wing-nut 14, there being provided on the plate 11 reversely-inclined semicircular portions 15, which coöperate with similarly-inclined portions 16 on the plate 12 for producing tubular seats 17, inclined from the horizontal in relatively reverse directions.

Entered respectively into the seats 17 is a pair of reversely-extending downwardly-inclined hat-engaging members 18, identical in construction and operation and each comprising a tubular section or casing 19 and a longitudinally-movable section or element 20, telescopically engaged with the section 19 and provided at its outer projecting end with a sharpened hat-engaging portion or finger 21, there being housed in the tubular section 19 a spring 22, operatively engaged with and acting upon the arm or element 20 for forcing the latter to engaging position.

In practice the nut 14 is loosened and the members 18 properly adjusted to accord with the size of the hat, the nut being then manipulated for causing the clamping members 11 and 12 to securely clamp the members 18 in their adjusted positions. The pin 6 is next engaged with the hair of the wearer, after which the hat-engaging devices are properly adjusted transversely relative to the frame 1 by moving the plate 9 longitudinally between the flanges 8, as heretofore explained. After the parts have been properly arranged the hat is placed in position upon the head of the wearer, whereupon it will be engaged by the elements 20, which are moved to engaging position under influence of the springs 22, it being apparent that owing to the downward inclination of the hat-engaging members the

latter will, as the hat is moved to position, be forced inward against the action of the springs and thereafter returned by the latter automatically to engaging position, as illustrated in Fig. 1.

From the foregoing it is apparent that I produce a simple inexpensive device admirably adapted for the attainment of the ends in view and one which may be readily adjusted and will maintain the hat firmly in position, it being understood that in attaining these ends minor changes in the details herein set forth may be resorted to without departing from the spirit of the invention.

Having thus described the invention, what I claim is—

1. In a device of the class described, a frame, a clamping device adjustably connected therewith and comprising a pair of cooperating clamping members provided with tubular seats, a pair of hat-engaging members disposed respectively in said seats and for relative longitudinal adjustment, and a hair-engaging member carried by the frame.

2. In a device of the class described, a frame including a transversely - extending part, a clamping device slidably engaged with said part and comprising a pair of cooperating clamping members provided with reversely-inclined seats, a pair of hat-engaging members disposed respectively in said seats for relative longitudinal adjustment, and a hair-engaging member carried by the frame.

3. In a device of the class described, a frame including a transversely - extending part, a clamping device slidably engaged with said part and comprising a pair of cooperating clamping members, a pair of hat-engaging members seated between the clamps and adapted for relative longitudinal adjustment, and a hair-engaging member carried by the frame.

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

ROBERT WILLIS.

Witnesses:

ALFRED H. WILLIS,
LEWIS SHERMAN.]