

E. MOREHOUSE.
PIN.
APPLICATION FILED DEC. 6, 1911.

1,028,477.

Patented June 4, 1912.

Fig. 1.

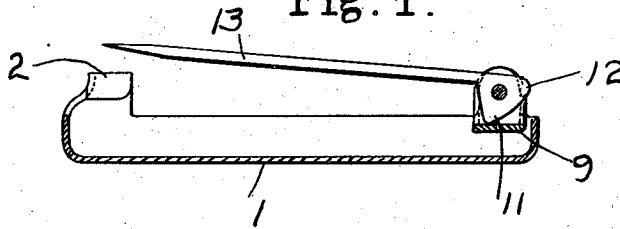


Fig. 3.

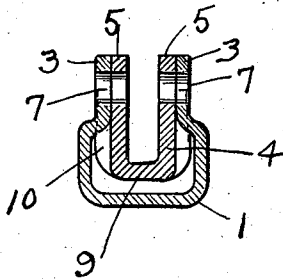


Fig. 2.

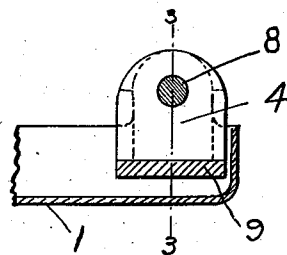


Fig. 5.

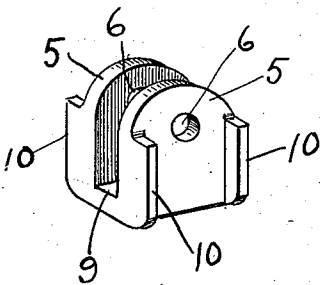
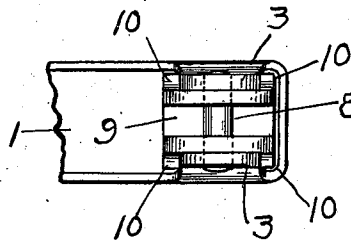


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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PIN.

1,028,477.

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To all whom it may concern:

Be it known that I, EUGENE MOREHOUSE, a citizen of the United States, residing at the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Pins, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to pins, and has for its object to provide a pin component consisting of a U-shaped joint member having pierced side walls united by a bridge, said member being adapted to sit between the 15 joint ears of what is commonly known as a one-piece pin constructed of very thin precious metal for stiffening the thin metal ears, and be supported in position therein by the pin-stem pintle, the bridge portion of 20 said member also providing a fulcrum plate against which the pin stem head may rest to create a tension or spring to the pin stem upon entering the catch member at the opposite end of the pin body, and a further object of the invention is to provide means in 25 said member for engaging the joint ears to prevent longitudinal motion of said member therebetween.

With these and other objects in view, the 30 invention consists of certain novel features of construction, as will be more fully described and particularly pointed out in the appended claims.

Of the accompanying drawings: Figure 35 1—is a sectional side elevation illustrating my improved pin component mounted between the joint ears of a pin body. Fig. 2—is an enlarged side elevation, in section, showing a portion of a pin body and my improved component member mounted therein 40 and held in position by the pintle. Fig. 3—is a section on line 3—3 of Fig. 2. Fig. 4—is a plan view illustrating the component member held in position between the joint 45 ears on the pin body. Fig. 5—is a perspective view illustrating the component member in detail.

Referring to the drawing 1 designates the body of a usual so-called one-piece pin which 50 is usually completely formed by being struck up from a single blank. At one end of the blank is formed the catch member 2, of any desired construction, and at the opposite end are formed the usual joint ears 3—3.

55 When such a pin is struck up out of precious

metal, it is desired, in order to reduce the cost of the pins, to form the body portions as thin as possible, and when the joint ears are made from the same thickness of stock they are often found to be too weak to form 60 a practical support for the pin-stem, therefore in order to stiffen these joint ears and provide a strong and rigid support for the pin-stem I have provided what I term a pin component adapted to sit between these thin 65 joint ears. This said component 4 is preferably struck up from sheet stock into substantially a U-shape, see Figs. 3 and 5, having two side walls 5—5, united at their inner ends by a bridge portion 9, each wall being 70 pierced at 6 to correspond to and register with the piercings or holes 7 through the pin body ears 3. This component member thus formed is held or supported in position between said ears 3 by means of the pin stem 75 pintle 8, see Figs. 2 and 4, on which the pin-stem swings. In order to provide additional support to prevent longitudinal motion of this member when positioned between the said ears I have formed thereon laterally 80 extending flanges 10 which are adapted to engage both the back and front edges of said ears whereby the said member is rigidly supported between said ears against relative 85 movement.

In assembling the pin thus formed this component member is pressed between the ears 3—3 on the pin body, which ears are usually set inwardly slightly from the side edges of the pin body, as indicated in Figs. 90 3 and 4. The pin-stem 13, which is preferably of the type illustrated in Fig. 1 having a downwardly projecting portion 11 and a rearwardly extending portion 12, is now placed in position between the side walls 5 95 of this member and the pintle 8 passed through the corresponding eyes of all. By this construction it will be seen that the bridge portion 9 of this member forms a fulcrum against which the portion 11 of the 100 pin stem rests to provide a tension at its point when entering the catch member at the opposite end of the pin body. Also this bridge member provides a back stop against which the projecting portion 12 may rest to 105 prevent the pin-stem from being carried too far back when the same is placed in its open position and passed through fabric by the wearer.

My particular pin component is adapted 110

to be manufactured and sold independently as a finding, or to be mounted up and sold with the rest of the pin.

I claim:

5 1. A pin component comprising a U-shaped member having pierced side walls adapted to be held by a pintle between the joint ears of the pin, said member having laterally extending portions for engaging
10 the edges of the pin point ears to prevent movement about the pintle.

2. The combination with a pin having a body portion with integral outwardly extending pierced joint ears, of an independent U-shaped ear supporting member having
15 correspondingly pierced side walls united by

a bridge, said member being positioned between said ears, a pintle passing through the holes in said ears and walls, a pin-stem pivoted on said pintle between said walls and adapted to receive its fulcrum on said bridge, and laterally extending flanges on said member for engaging the edges of said ears for preventing movement about the pintle. 20 25

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

EUGENE MOREHOUSE.

Witnesses:

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