

C. KUEHNER.
 PIN.
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1,001,961.

Patented Aug. 29, 1911.

Fig. 1

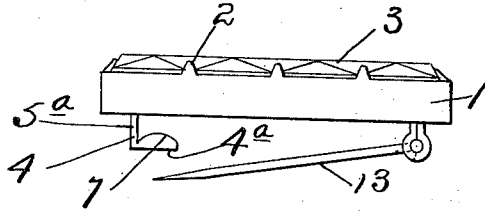


Fig. 2

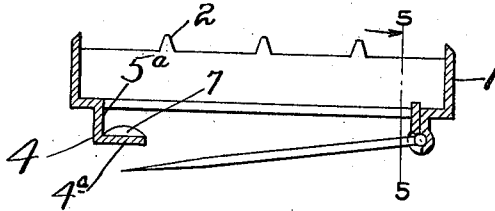


Fig. 6

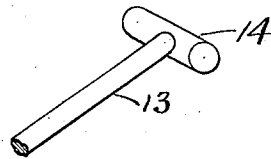


Fig. 3

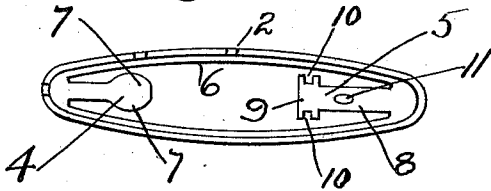


Fig. 5

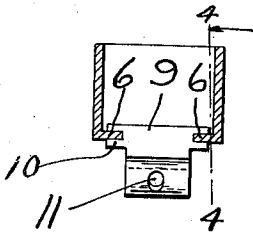
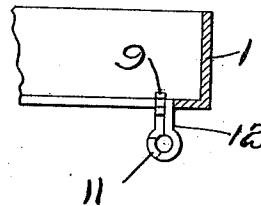


Fig. 4



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PIN.

1,001,961.

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To all whom it may concern:

Be it known that I, CHARLES KUEHNER, 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.

This invention relates to a pin, and has for its object to provide a combined pin and setting for an ornamental stone or the like, which comprises a body portion having means for securing the ornamentation therein, and also having both the joint member and the catch member for the pin-stem formed integral with said body portion, and stamped from stock within the outer periphery thereof.

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

In the accompanying drawings: Figure 1— is a side elevation of the complete setting. Fig. 2— is a central longitudinal section with the ornamentation removed and showing the construction and arrangement of the joint and catch members. Fig. 3— is a top view showing the shape of the catch member and of the joint member as they are cut from the bottom of the cup-shaped body. Fig. 4— is an enlarged side elevation of a portion of the body showing the joint member bent up into shape. Fig. 5— is a section on line 5—5 of Fig. 2 looking in the direction of the arrow, showing the free end of the joint member engaging the flange of the body portion. Fig. 6 is a perspective view of the pin tongue and head.

Referring to the drawings, 1 designates the body portion of the pin which is preferably formed from a piece of sheet stock being first struck up into a cup-shape to form a setting. The edge of this cup may be provided with prongs 2 or projections, for the purpose of engaging and retaining the ornamentation 3, or the upper edge of this body portion may be made plain and drawn down thin to form a box setting, if desired. After the cup is formed from the blank the bottom portion thereof is punched or cut out leaving a blank catch member 4 and a blank

joint member 5 integral with said body, and also forming a narrow inturned flange or shelf 6 extending around on either side between these two members. The catch member 4 may then be bent outward, as illustrated in Fig. 2, the end 4^a being bent at right angles to the shank portion 5^a with its edges 7—7 curved slightly upward to form a slight groove to receive and retain the pointed end of the pin stem.

The joint member is formed with a comparatively narrow neck 8 having a T-shaped head portion 9, said head being provided with recesses 10—10 on either edge. The stock forming this narrow neck portion is provided with an elongated hole 11 for the purpose of receiving the stem of the pin-tongue. In forming the joint from this member the narrow portion 8 is bent or forced outward from the plane of the flange 6 into substantially a U-shaped loop, the pin stem hole 11 being in one wall thereof and in position to receive the pin stem therethrough. As this narrowed portion is bent outward into the loop form the T-head 9 is naturally brought back into the position illustrated in Fig. 4, the flange 6 engaging and fitting tightly in the slots 10—10 on either side of said head, see Fig. 5, thereby holding this free end of the joint firm and rigid against the strain of the pin stem which has its fulcrum bearing therein. The pin-tongue 13 used in the joint member is preferably of the type having a T-shaped head 14, and when placed in position the stem extends through the hole 11 and the head lies in the bottom of the loop. The walls of the stock are then drawn or forced together forming a strong joint integral with the body portion of the setting. The pin stem works in the slotted hole through the wall of the joint member. By this construction when it is desired to carry the jointed end of the stem into the catch member 4, said stem brings up against the inner edge of the slot which thus forms a fulcrum for the purpose of producing a tension sufficient to cause the spring of the pin to firmly hold the joint in the catch member, the end 9 of the joint member being retained by the inturned edge 6, firmly and rigidly supporting that portion which forms the fulcrum wall.

It will now be understood that the de-

vice as a whole is strong and economical in cost. This is due to the fact that the continuous flange 6 which projects inwardly from the side walls 1 of the body, strengthens the body so that its upper edge is adapted to firmly hold an ornamental member such as shown at 3, portions of the same flange being extended and bent to form the joint and catch members.

10 The joint and catch members of a one-piece pin are usually stamped from the stock and formed on the outside of the general outline of the body of the pin, but by my improved construction it will be noted that
15 both the joint and catch members are formed integral with the body portion from the stock within the outer periphery of the pin body, thus utilizing stock which would otherwise be wasted.

20 Having thus described my invention, what I claim is:

1. A pin comprising a cup-shaped body portion the bottom of which is formed with an opening leaving a continuous flange projecting inwardly from the side walls, portions of said flange having integral projections forming joint and catch members, the

joint member being interlocked with said flange.

2. A pin comprising a body portion having an inwardly projecting flange, portions of said flange having integral projections forming joint and catch members, one of said members having edge recesses engaging said flange.

3. A jewelry component comprising a body portion having an opening within its margin and provided with a joint member formed integral therewith from the stock within the general outline of the body portion, said joint member comprising a tongue integral at one end with the body portion and bent outward to form a loop to receive the head of a pin-tongue, the other end of said tongue which forms the joint member having its edges secured to the margin of the opening in the body portion.

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

CHARLES KUEHNER.

Witnesses:

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E. I. OGDEN.