

F. B. RHODES.

PIN.

APPLICATION FILED APR. 7, 1911.

1,004,592.

Patented Oct. 3, 1911.

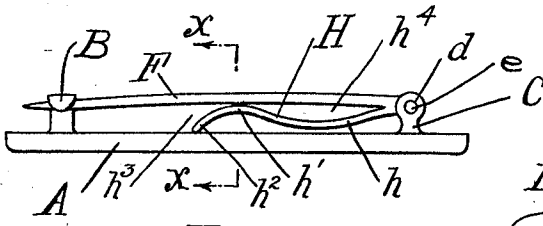


FIG. 1.

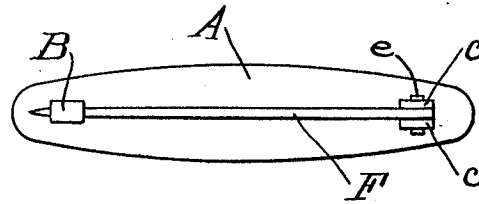


FIG. 2.

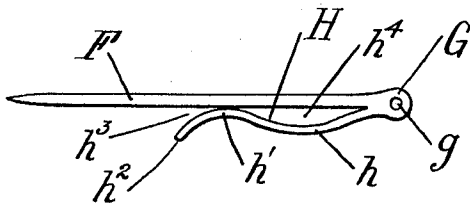


FIG. 3.

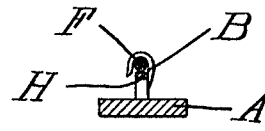


FIG. 4.

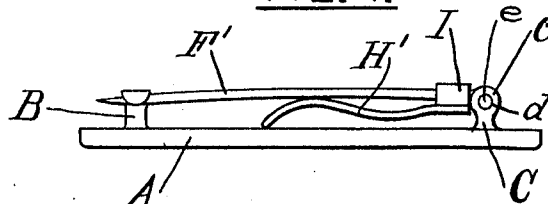


FIG. 5.



FIG. 6.

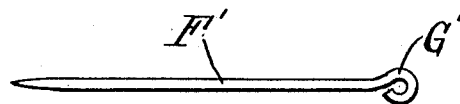


FIG. 7.

WITNESSES

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PIN.

1,004,592.

Specification of Letters Patent.

Patented Oct. 3, 1911.

Application filed April 7, 1911. Serial No. 619,549.

To all whom it may concern:

Be it known that I, FRANK B. RHODES, a citizen of the United States, residing at Johnston, 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.

My invention relates to pins, brooches and similar articles employed as articles of jewelry and has for its objects cheapness in construction, improved tension upon the pin tongue or shaft, and capacity for guiding and retaining the engaged fabric against movement longitudinally of the tongue.

To the above ends essentially my invention consists in such novel parts and combinations of parts as fall within the scope of the appended claims.

In the accompanying drawings which form a part of this specification and wherein like reference characters indicate like parts throughout the views, Figures 1 and 2 are side and rear elevations respectively of a pin embodying my invention, Fig. 3, a side elevation of the pin tongue member, Fig. 4, a section on line xx of Fig. 1, Fig. 5 a side elevation of a modified form of my pin, and Figs. 6 and 7, side elevations of the arm and tongue respectively of the modified form.

In its present embodiment my pin comprises a body A which may be solid or hollow or of any usual known construction. A keeper or hook B of familiar form is integral with or soldered to the body A near one end, while upon the opposite portion of the rear face of the body A is fixed a joint member C of any usual preferred construction. In the present instance the joint member comprises ears or trunnions, c , provided with the usual perforations d to receive the pintle or other pivot member e .

A pin tongue F is provided at its end with a flat curved head G having a central opening g therein to receive the pintle e . Extending from the tongue at or adjacent the head, at the lower side of the tongue, is a resilient forwardly directed bent arm H disposed in the vertical plane of the tongue. In detail the arm H is inclined from its fixed end downwardly away from the tongue, then forwardly, and then upwardly into contact with the tongue, forming a downward bend h . The arm then continues forwardly and downwardly com-

pleting an upwardly directed bend h' , its end portion h^2 serving as a guide and forming in conjunction with the tongue an entrance h^3 to the space h^4 formed between the bend and the tongue. The pin tongue and arm may be cheaply constructed in the above described form by bending or folding a blank upon itself, flattening the folded portion into a practically composite mass, and piercing the hole g in the flattened portion, producing the structure shown in Fig. 3.

The device is operated as follows. The pointed portion of the tongue F is forced through the fabric, the latter passing into the entrance h^3 and into the space h^4 , the friction of the spring arm H engaging or pinching the same against the tongue where it is tightly clamped. The tongue F is then brought under its keeper or catch B whereupon the beak or end h^2 of the arm H is pressed against the face of the body A and serves to outwardly tension the tongue F against its keeper and prevent the escape of tongue therefrom.

In Figs. 5 to 7 inclusive is shown another form of my invention differing from the described form in that the tongue F' is independent of the arm H'. The tongue has a looped head G' or of any other preferred construction, and the arm H' has upon its rear end a sleeve or tube I which is slid over the tongue to a point adjacent the head G'. The tube I is slidable on the tongue and thus the arm H' may be applied to or removed from a pin of any usual construction.

What I claim is,—

1. In a pin, the combination with the body, the joint member and the catch, of a pin tongue pivotally mounted in the joint member and resilient means upon the tongue extending from a point adjacent the joint member and in alinement with the tongue between the latter and the body and having a portion normally contacting with the pin, said tongue extending a substantial distance along the pin and adapted to hold the fabric between itself and the pin.

2. In a pin, the combination with the body, a joint member and a catch, of a pin tongue pivotally mounted in the joint member, and a resilient forwardly directed bent arm on the tongue disposed in the vertical plane of the tongue and having a downward bend intermediate its ends, an up-

wardly directed bend adjacent its front end normally in contact with the under side of the tongue, and a free terminal inclined toward and adapted to contact with the body.

5 3. In a pin the combination with the body, the joint member, and the catch, of a pin tongue pivotally mounted in the joint member, and a resilient arm upon the tongue and substantially parallel therewith

and movable lengthwise provided with a bent intermediate portion in contact with an intermediate portion of the tongue.

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

FRANK B. RHODES.

Witnesses:

HORATIO E. BELLOWS,

GEORGE N. McLAUGHLIN.

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