No. 897,470. PATENTED SEPT. 1, 1908.

E. LIEBERT.

SAFETY CATCH FOR JEWELRY.

APPLICATION FILED JUNE 20, 1907.

MODEL.

Fig. 1.

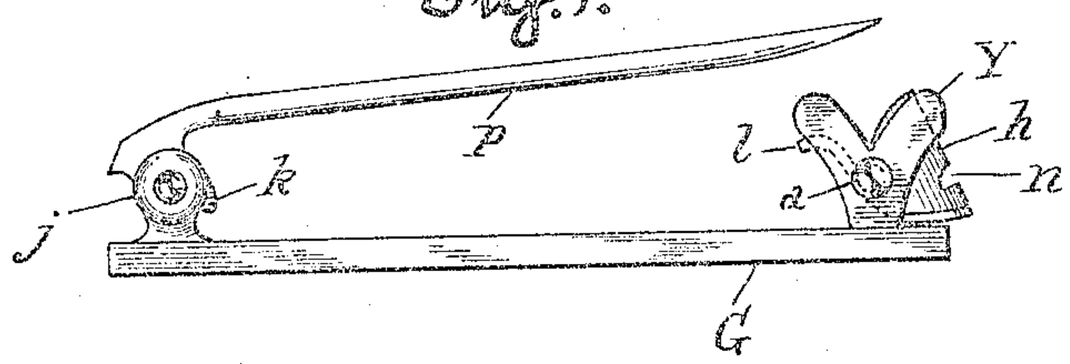


Fig. 2.

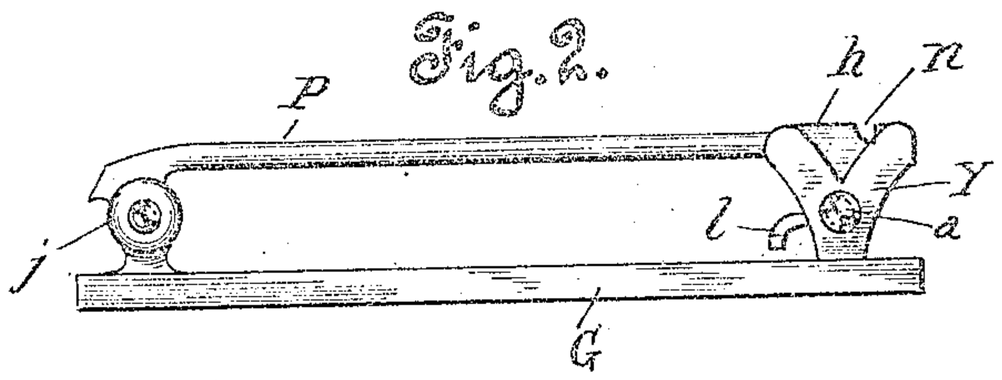


Fig. 3.

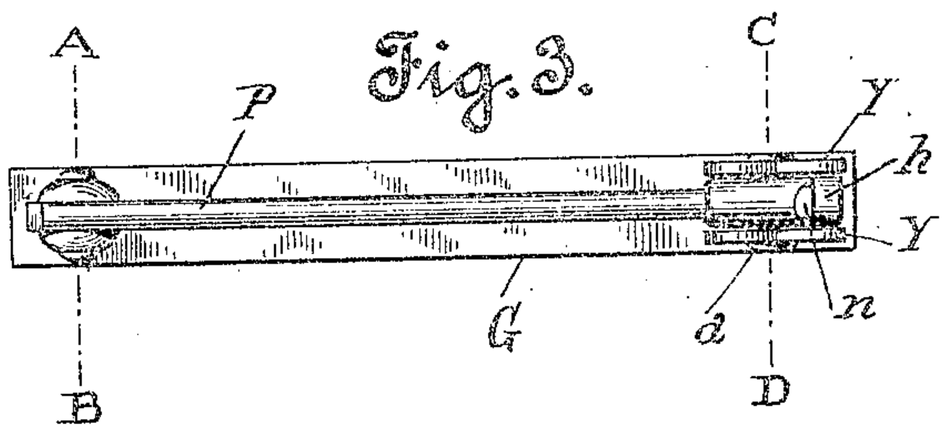


Fig. 4.

Fig. 5.

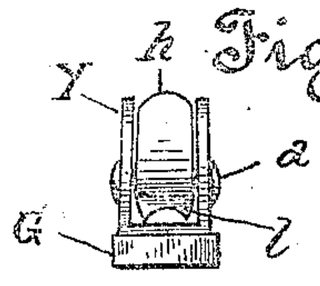


Fig. 6.

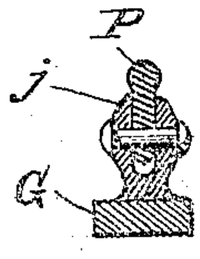


Fig. 7.

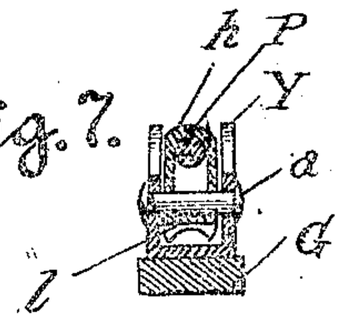


Fig. 8.

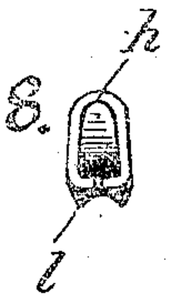
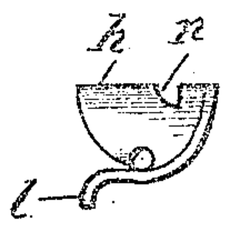


Fig. 9.



Witnesses.

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UNITED STATES PATENT OFFICE.

EMILE LIEBERT, OF LOS ANGELES, CALIFORNIA, ASSIGNOR, BY MESNE ASSIGNMENTS, TO CROUCH MANUFACTURING JEWELRY COMPANY, A CORPORATION OF CALIFORNIA.

SAFETY-CATCH FOR JEWELRY.

No. 897,470. Specification of Letters Patent. Patented Sept. 1, 1908.

Application filed June 20, 1907. Serial No. 379,991. (Model.)

To all whom it may concern:

Be it known that I, EMILE LIEBERT, a citizen of the United States of America, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Improvement in Safety-Catches for Jewelry, of which the following is a specification.

This invention has reference to an improvement in a safety-catch adapted to lock the free end of a pin used to fasten all kinds of brooches, breast-plates and other jewelry which are fastened to garments by means of a pin, and the object thereof is to provide a safety-catch for jewelry which will automatically lock the free end of the securing pin, and at the same time will protect the point of the pin, and which can be easily and readily unfastened whenever it is required to be unfastened. I accomplish this object by the mechanism described herein and illustrated in the accompanying drawings in which;

Figure 1 is a side elevation of a brooch provided with a safety-catch, showing the catch in an open position. Fig. 2 is a side elevation showing the catch in a locked position. Fig. 3 is an under elevation showing the catch in a locked position. Fig. 4 is a rear elevation. Fig. 5 is a front elevation showing the catch in a locked position. Fig. 6 is a cross section on the line A—B. Fig. 7 is a section on the line C—D. Fig. 8 is a rear elevation of the housing-clasp. Fig. 9 is a side elevation of the housing-clasp.

G is the body which may be the front plate of any sort of a breast-plate, brooch, breast-pin or similar piece of jewelry, which it is desired to attach to a garment by means of a pivoted pin. Pivotally secured to the under side of the body at *j* is the securing pin P. This pin is made of spring material and is provided with a shoulder or projection *k*, which when the pin is clasped in the lock keeps it under tension so that there is an upward pressure exerted at the free end of the pin. At the other end of the body is soldered or otherwise secured a bifurcated bearing Y. The housing-clasp, or bonnet *h* is pivoted in the bearing by a wire or pin *a*, so that it rocks longitudinally the body through ninety degrees about its axis *a*.

The housing-clasp or bonnet consists of a piece of metal in the shape of a non-symmetrical ellipse bent in the shape of the letter U so as to form the hood *h* with sufficient space between the sides when so bent to inclose the point of the pin. This is shown by Figs. 8 and 9. The hood *h* is notched at *n*. The back of the hood is closed by a strip of metal which extends slightly beyond the axis *a* and ends in a skirt or lip *l* which is preferably grooved so as to guide and retain the pin while the hereinafter described rotation of the housing-clasp occurs.

The bonnet is so pivoted that it is a little heavier at the rear than at the front so that when the securing pin is unfastened it will assume the position shown in Fig. 1 with the top of the bonnet beyond the reach of the end of the securing pin as it is pressed down into contact with the skirt of the bonnet which at this time lies in the path of movement of the end of the securing pin. The securing pin is passed through the cloth to which the brooch or other device is to be attached and the body of the brooch is rotated so that the skirt of the bonnet engages the end of the securing pin. Further pressure causes the bonnet to turn on its axis until the front of the top engages the securing pin on the side opposite the skirt when the pressure is removed. The resiliency of the securing pin exerted through shoulder *k* causes the free end thereof to pass up into the top of the bonnet where it is securely locked. A pressure on top of the bonnet at the back thereof will rotate it on its axis and thereby release the free end of the securing pin from the bonnet when the pin can be withdrawn from the cloth.

It will be observed that the free end of the securing pin, when the pin is locked, extends beyond the pin which secures the bonnet in its bearings, and that the sides of the bonnet are long enough to allow the point of the securing pin to clear the front of the top of the bonnet as it is turned by the engagement of the securing pin with the skirt of the bonnet. By making the bonnet to rotate longitudinally the body of the brooch and having the top extend on both sides of its axis when it is brought up over the end of the securing pin it locks the free end thereof against movement away from the body and by closing the rear end of the bonnet the sharp point of the securing pin is protected and the operator is secured against pricking her fingers thereon. A notch *n* is provided on the top of the bonnet at the back thereof to facilitate unfastening. The skirt of the bonnet projecting in

front of and above the axis of the bonnet renders the fastening of the bonnet over the end of the securing pin automatic. The sides of the bearing in which the bonnet is mounted preferably extend to the height of the bonnet when locking the securing pin and the front parts of the bearing preferably extend in front of the axis of the bonnet to act as a guide to the end of the securing pin when about to be locked in the bonnet.

Having described my invention what I claim is:

1. A brooch comprising a body; a securing pin secured to, at or near one end of said body; a bifurcated bearing secured near the other end of said body, the furcations extending transversely the body; a bonnet pivotally mounted in said bearings to swing longitudinally the body; and a skirt secured to the lower part of said bonnet, said skirt projecting toward the junction of the securing pin and body.

2. In a brooch or like device a safety catch comprising a bonnet pivotally secured in bearings secured to the body, said catch being mounted to swing longitudinally the securing pin and having a skirt projecting in front of the part which secures the bonnet in its bearings, said skirt being above the body.

3. In a brooch or like device, a safety catch comprising a bonnet pivotally secured in bearings secured to the body, said catch being mounted to swing longitudinally the body, and having a skirt projecting in front of the pivot which secures the bonnet to its bearings, said bearings extending upwardly to the height of the bonnet, and a portion extending in front of the pivot securing the bonnet, said bonnet having the rear portion closed and slightly heavier than the front portion.

In witness whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EMILE LIEBERT.

Witnesses:

BERT CAMPBELL,

OLIN WELLBORN, Jr.