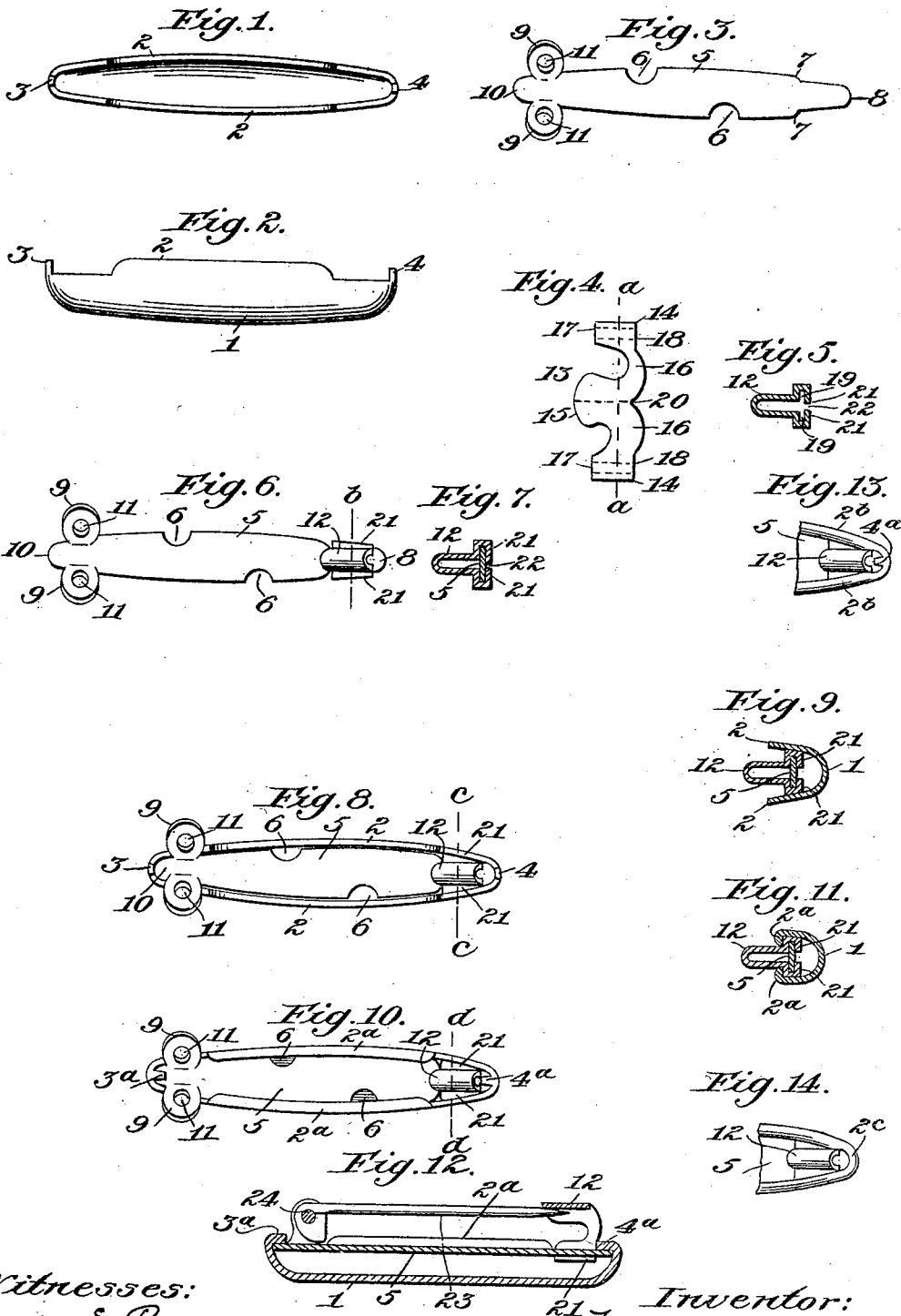


F. E. FARNHAM.  
CUFF PIN.  
APPLICATION FILED NOV. 5, 1908.

945,481.

Patented Jan. 4, 1910.



Witnesses:  
Annie E. Perce.  
Amanda Taylor.

Inventor:  
Frank E. Farnham  
BY Warren R. Perce  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

FRANK E. FARNHAM, OF PROVIDENCE, RHODE ISLAND.

## CUFF-PIN.

945,481.

Specification of Letters Patent.

Patented Jan. 4, 1910.

Application filed November 5, 1908. Serial No. 461,187.

*To all whom it may concern:*

Be it known that I, FRANK E. FARNHAM, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Cuff-Pins, of which the following is a specification, reference being had therein to the accompanying drawings.

Like reference numerals indicate like parts.

Figure 1 is an inverted plan view of the cupped shell or ornamental body of my improved cuff pin. Fig. 2 is a side elevation of the same. Fig. 3 is a plan view of the lining plate. Fig. 4 is a plan view of the blank from which my improved pin catch is made. Fig. 5 is a sectional view of the finished pin catch after said blank has been formed and bent, the section being on line *a a* of Fig. 4. Fig. 6 is a plan view of said lining plate after the pin catch has been mounted thereon. Fig. 7 is a sectional view of the parts as seen on line *b b* of Fig. 6. Fig. 8 is a plan view of said lining plate laid loosely in the concavity of the shell or body portion of the cuff pin as seen before the flange of said shell or body has been rolled over upon the lining plate. Fig. 9 is a sectional view of the parts as seen on line *c c* of Fig. 8. Fig. 10 is a plan view of the lining plate having the pin catch in position thereon and of said shell or body portion with the flanges thereof rolled over into contact with the lining plate. Fig. 11 is a sectional view of the parts as seen on line *d d* of Fig. 10. Fig. 12 is a view of my improved cuff pin as seen in central longitudinal section. Figs. 13 and 14 represent modified forms of securing the pin-catch end of the lining plate in the shell or body portion.

My invention relates to the class of cuff pins or brooches, and particularly to an improved slidable pin catch therefor; and it consists of the novel construction and combination of the several parts herein described and claimed.

In the drawings the reference numeral 1 designates an ornamental shell or front portion of a cuff pin or brooch. It is preferably made of gold-plated metal. In cross section it is concavo-convex, or of any preferred form, and is provided with the two opposite side flanges 2, 2, and with the two short projections 3, 4, at the pointed ends thereof.

In Figs. 2 and 8 the ends 3, 4, are shown as bent upwardly.

A lining plate is shown at 5 and is of a form and size to enable it to be laid loosely in the concavity of the ornamental shell or body portion 1 of the cuff pin. The usual air-holes or semicircular notches 6, 6, are cut on the edges of said plate, and there are also formed the two opposite small shoulders or stops 7, 7. The pointed end 8 of the plate 5 is somewhat reduced in width as illustrated in Fig. 3. The lining plate 5 is provided with two ear pieces or pin joints 9, 9, opposite each other, and located near the pointed end 10 of the plate. These ear pieces are preferably integral with the plate 5. The ear pieces or pin joints 9 have the pivot holes 11; or any other known kind of pin joints may be used, which is adaptable for the purpose.

My improved pin catch 12 is made from thin sheet metal. A blank 13 is cut from such a sheet in the form illustrated in Fig. 4. The two ends 14 are rectangular, the central portion is convex on the one edge as shown at 15, and the metal connecting said central portion with the ends 14 is U-shaped as seen at 16. The ends 14 of the blank 13 are to be bent transversely on the lines 17, 18, to form a groove 19, and the blank 13 is also to be bent transversely at 20 into a U-shape. There is thus formed a hooded pin catch, with its lower ends or bases 21 separated one from the other and leaving there a longitudinal space or channel 22. These bases 21, 21, fit slidably along the pointed end 8 of the lining plate 5 until they come into abutment with the shoulders or stops 7, 7, of said plate. When the pin catch 12 has been so mounted and located on the lining plate 5, said lining plate is laid loosely in the concavity of the shell or body portion 1 of the cuff pin, and the tips or projections 3 and 4 are bent down into contact with the ends 10 and 8, respectively, of the lining plate 5, as shown at 3<sup>a</sup> and 4<sup>a</sup> in Fig. 10. The side flanges 2, 2, are rolled over by a suitable tool into contact with the lining plate 5, as illustrated at 2<sup>a</sup>, 2<sup>a</sup>, in Figs. 10, 11 and 12.

A pin tongue 23 has a pivot 24, which is mounted in the pivot holes 11 of the ear pieces or pin joints 9, as seen in Fig. 12, the said ear pieces or ear joints 9 being bent up to lie parallel, one with the other, in contact

with the head of the pin 23 on both sides thereof, respectively; or any other suitable pin may be used as preferred. I thus dispense with the use of solder in fastening the pin catch to the lining plate. The pin catch 12 is held upon the lining plate 5 by being slid thereon along the pointed end 8 of said plate until it abuts the shoulders 7, 7. The lining plate 5 is then fastened in position by the bent projections 3<sup>a</sup>, 4<sup>a</sup>, and by the rolled-over flanges 2<sup>a</sup>. This separate and detachably mounted pin catch is a new article of manufacture, and constitutes a jeweler's finding, and is salable in quantities to jewelers for use in their own construction of cuff pins and brooches. As the pointed end 8 of the lining plate is somewhat tapering in form, as seen in Fig. 3, the bases 21 of the pin catch 12 are somewhat sprung or put under tension when they are moved into abutment with the shoulders 7, and when mounted as represented in Fig. 3 are held in position upon the lining plate in whole or in part by spring-pressure.

Instead of bending the blank (Fig. 4) on the lines 17, 18, as described, the sheet metal strip, from which the pin catch 12 is formed, may be made with two parallel longitudinal grooves 19 and the pin catch 12 be cut from such grooved stock. Instead of confining the pin-catch end of the lining plate 5 in position within the shell or body portion 1 simply by the bent-over end or projection 4<sup>a</sup>, the flanges 2 of said shell or body portion may be made longer than is shown in Fig. 2, so as to extend along the external portion of the bases of the pin catch and be rolled over thereon as illustrated at 2<sup>b</sup> in Fig. 13. So also the flange 2 may be continuous around the pin-catch end of said lining plate and turned over continuously into contact therewith, as shown at 2<sup>c</sup> in Fig. 14, to overlie the projection or end 4<sup>a</sup>, or said end 4, 4<sup>a</sup> may be omitted.

It is obvious that my improved pin catch can be used in connection with other articles of jewelry besides cuff pins and brooches, but such other use is within the scope of my patent.

I claim as a novel and useful invention and desire to secure by Letters Patent:—

1. In a cuff pin, the combination of a lining plate; a pin catch having a resilient base by which it is mounted upon and engageable with the lining plate and is secured in position thereon by said resilient base.

2. In a cuff pin, the combination of a lining plate; and a bent hooded pin catch having two U-shaped bases at its ends, which bases are bent to extend in one plane, and are adapted to slide upon said lining plate.

3. In a cuff pin, the combination of a lining plate; and a hooded pin catch made of sheet metal bent into an inverted U-shape, whose sides terminate in U-shaped bases ex-

tending in one plane which is at right angles with said pin catch, said bases being engageable with said plate.

4. In a cuff pin, the combination of a hooded pin catch made of sheet metal bent into an inverted U-shape, each of whose parallel sides is bent into a U-shape directed outwardly from said side at a right angle, with the free ends of said bases separated from each other so as to leave a central transverse aperture; and a lining plate slidably insertible within both said U-shaped bases and beneath said central aperture.

5. In a cuff pin, the combination of a lining plate having a pointed end and two outwardly directed shoulders extending therefrom near said end; and a pin catch provided with a base which has a channel and extends at a right angle with the pin catch, through which channel said end of the lining plate is insertible and movable until said shoulders are in abutment with the pin catch.

6. As a new article of manufacture, the jeweler's finding herein described, consisting of a hooded pin catch made of a single strip of sheet metal centrally bent transversely into a U-shape, each of whose sides is bent into a U-shape and extends at right angles to said side to constitute a base, the two bases so formed being in alinement with their closed ends outermost.

7. The improved blank for a hooded pin catch herein described, consisting of a single strip of sheet metal comprising two substantially rectangular ends, a central U-shaped portion extending in one direction at a right angle to the central longitudinal line of said blank, and two U-shaped portions between said central portion and said two rectangular ends respectively extending in the opposite direction from said line, all said portions of the blank being in one plane.

8. In a cuff pin, the combination of a shell or body portion concavo-convex in cross section and provided with two oppositely arranged tips or projections; a lining plate adapted to lie in the concavity of said shell or body portion; and a pin catch having a base which is adapted to slide upon one end of the lining plate and to embrace the same, the said tips or projections of the shell or body portion of the cuff pin being bent into contact with the lining plate to hold said parts together.

9. In a cuff pin, the combination of a shell or body portion concavo-convex in cross-section, and provided with flanges; a lining plate adapted to lie in the concavity of said shell or body portion; and a pin catch having a base which is engageable upon one end of the lining plate, the said flanges being bent into contact with the lining plate to hold all said parts together.

10. In a cuff pin, the combination of a shell or body portion concavo-convex in

cross section and provided with two oppositely arranged side flanges; a lining plate adapted to lie in the concavity of said shell or body portion; a pin catch having a base which is adapted to slide upon and embrace the lining plate; and stops to limit the extent of said movement upon the plate, the said flanges being bent into contact with the lining plate to hold said parts together.

10 11. In a cuff pin, the combination of a lining plate having a pointed end; a pin catch adapted to be moved upon said plate and to be secured thereto; means for limiting the movement of the pin catch upon the plate; 15 and a shell or body portion of the cuff pin concavo-convex in cross section and capable of receiving said lining plate in the concavity of said shell or body portion, the said shell or body portion having rolled-over flanges which contact with the plate and 20 serve to fasten the plate, pin catch and shell together.

12. In a cuff pin, the combination of a shell or body portion having on two opposite sides integral flanges, and at the two

ends the projections, leaving four recesses intermediate said tips and flanges, respectively; a lining plate having a pointed end and two oppositely arranged shoulders contiguous to said end; two pin joints on the opposite end of said plate; a pin catch having a base by which it is connected with the first named end of the plate and in contact with said shoulders, said flanges and projections being bent over into contact with the lining plate and said pin joints extending up in two of the recesses between the projection and rolled flanges, respectively and said pin catch base extending to the two other recesses between the projections and flanges, respectively; and a pin tongue mounted between said pin joints by a pivot passing through them, which pin tongue is engageable by its point in said pin catch.

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

FRANK E. FARNHAM.

Witnesses:

HOWARD A. LAMPREY,  
WARREN R. PERCE.