

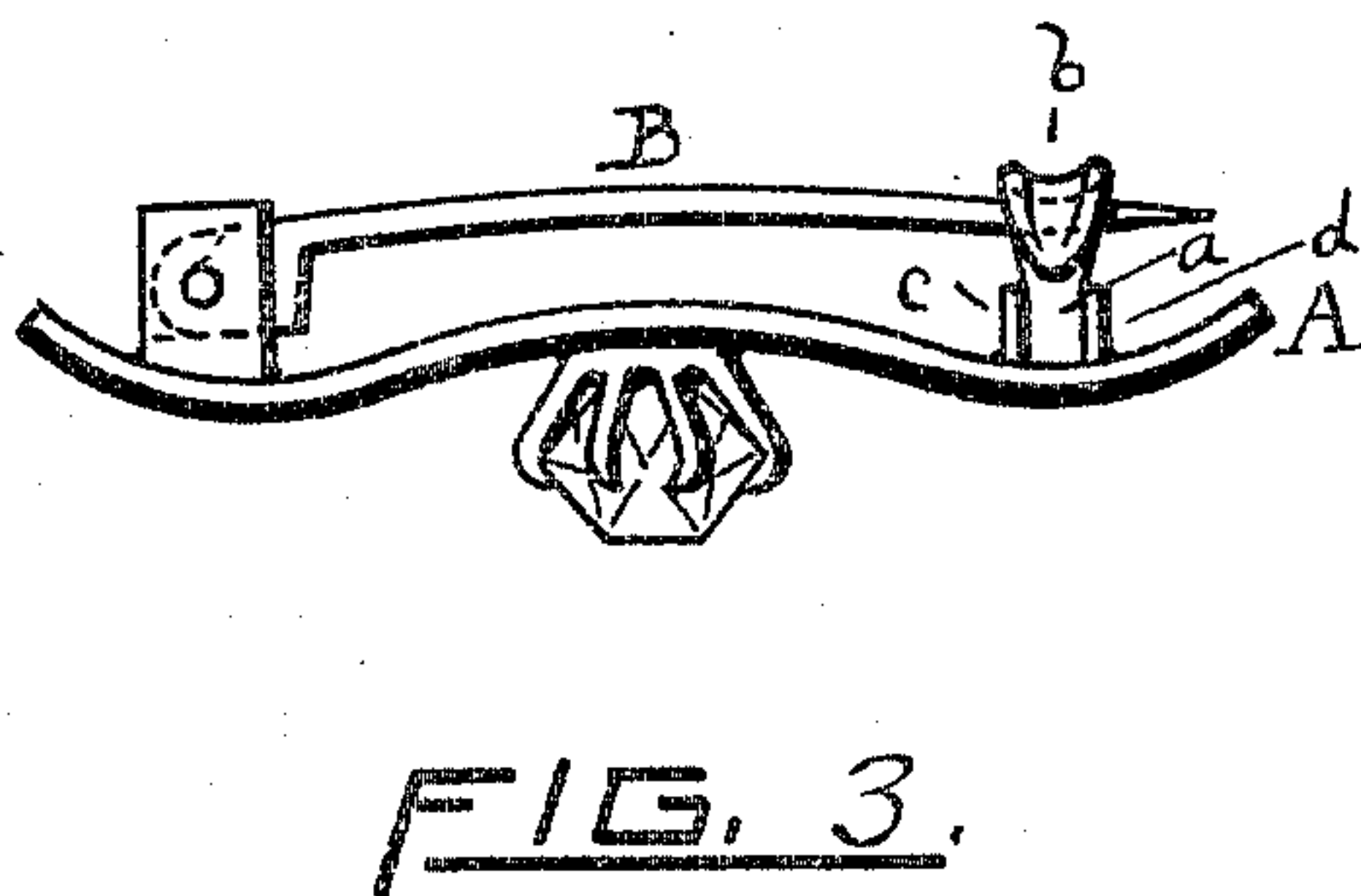
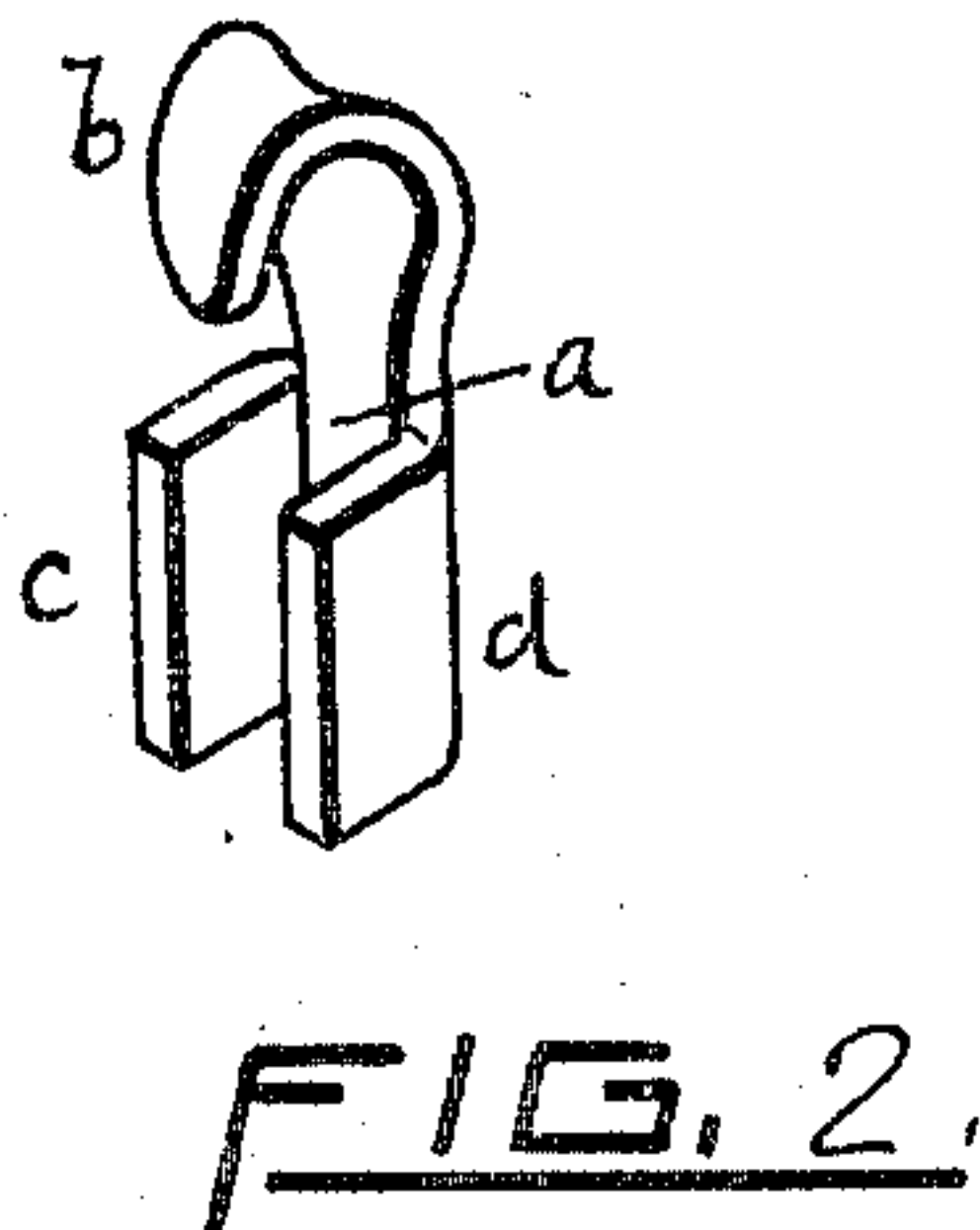
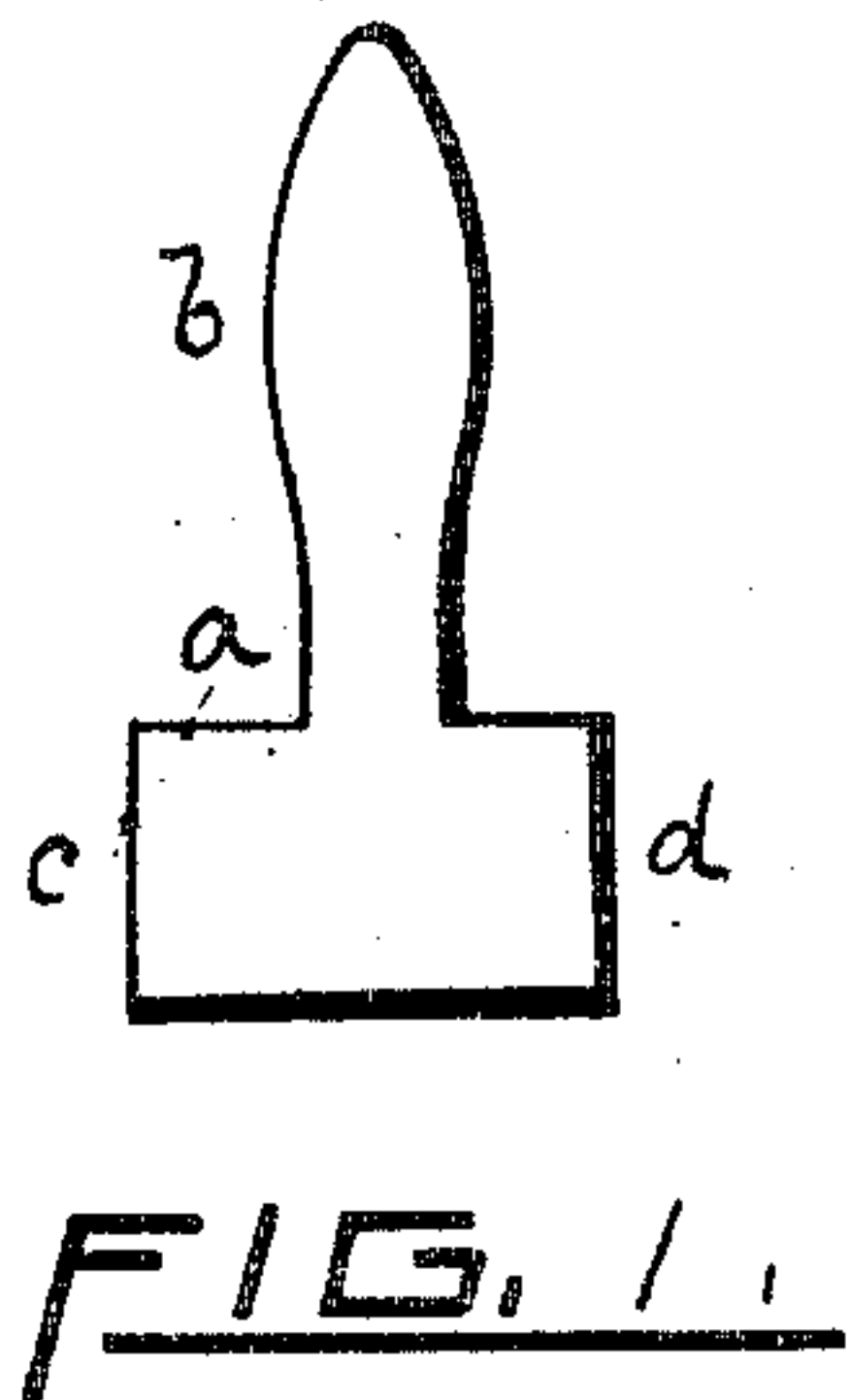
No. 776,279.

PATENTED NOV. 29, 1904.

D. M. WATKINS.  
PIN CATCH.

APPLICATION FILED JUNE 8, 1904.

NO MODEL.



WITNESSES,

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# UNITED STATES PATENT OFFICE.

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## PIN-CATCH.

SPECIFICATION forming part of Letters Patent No. 776,279, dated November 29, 1904.

Application filed June 8, 1904. Serial No. 211,647. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID M. WATKINS, 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 Pin-Catches, of which the following is a specification, reference being had therein to the accompanying drawings.

10 Like letters indicate like parts.

Figure 1 is a plan view of the blank from which my improved pin-catch is formed. Fig. 2 is a perspective view of the pin-catch made from said blank and ready to be soldered to the back-plate of a brooch or similar article. Fig. 3 is a view in side elevation of a brooch or breastpin provided with a pivotally-mounted pin-tongue and having thereon my improved pin-catch.

20 My invention relates to pin-catches for brooches, badges, and similar articles of jewelry; and it consists of the novel construction and combination of the several parts, as hereinafter described, and specifically set forth in the claims.

It has been common heretofore in jewelry manufacture to mount and solder upon the back-plate of brooches, badges, and similar articles of ornament a rectangular or other block of metal and to mount and solder the pin-catch upon said block. The purposes of such method of construction are to afford a considerable area of surface for the soldering in order that the pin-catch may be securely fastened in position and to give a proper degree of projection to the pin-catch out beyond the surface of said back-plate, which is especially important in cases where said back-plate is not a plane surface, but is more or less curved, a common shape being that shown in Fig. 3. It is evident that by this common construction the pin-catch is composed of two pieces—the hooked or curved portion, with which the free end of the pin-tongue engages, and the base, by which said hooked or curved portion is supported.

My improved pin-catch is made of one piece of metal, its base consisting of two integral wings or projections extending laterally and

bent to lie parallel to each other and at right angles to the stem portion of the pin-catch.

In the drawings I show in Fig. 1 the blank from which said improved pin-catch is formed. It is cut from a sheet of metal and consists of a stem portion *a*, terminating in a spoon-bill or spatulate point *b*, and two wings *c d*, extending crosswise of said stem on opposite sides thereof at its end, all being made of a single piece of sheet metal. The spoon-shaped or spatulate portion *b* is longitudinally corrugated and transversely bent to form the pin-catch proper. The corrugation serves to stiffen the hook. The wings or side projections *c d* are bent at right angles with the stem portion *a* and extend parallel to each other on the side of the pin-catch where the free end of the hook is. Thus the base of this pin-catch has its bottom edges all in one plane and forming three sides of a quadrangle. These bottom edges are soldered upon the back-plate *A* in such position that the hook of the pin-catch may engage the free end of the pin-tongue *B*, as seen in Fig. 3.

In the common construction which I have described there are two places where soldering is done, one soldering being between the block and back-plate and another soldering between the block and pin-catch; but in my improved method I dispense with one of these soldering operations, as also with the labor of handling the two pieces of metal usually required in the construction of a pin-catch. My said pin-catch being made of one piece of metal is easily manipulated and requires to be charged with solder and fastened in only one place. The rectangular bending gives great strength and rigidity to the pin-catch, and it is also very effectively braced by the bent wings or extensions to resist lateral pressure in any direction.

Instead of bending the wing projections at right angles to the stem, as above described, to form three sides of a quadrangle they may be bent convexingly to form a triangle or may extend in any other angular direction. It is also evident that instead of two wings or projections there may be formed any other desirable number of such projections.



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

1. The improved blank for the manufacture of pin-catches for brooches and similar articles  
5 herein described, consisting of the straight stem portion *a*, the spatulate tip *b* and the side projections or wings *c*, *d*, all made integral of one piece of metal, substantially as specified.

2. The improved pin-catch for brooches and  
10 similar articles herein described, consisting of a straight portion or stem *a*, a spatulate hook *b*, and two wings or projections *c*, *d*, bent at right angles to the stem *a* on the hooked side thereof and extending parallel to each other,  
15 all made of a single piece of metal, substantially as specified.

3. The improved pin-catch for brooches and similar articles herein described, consisting of a straight stem portion *a*, a longitudinally-cor-

rugated and transversely-curved spatulate tip 20  
*b*, and two wings or projections *c*, *d*, bent at right angles to the stem *a* on the hooked side thereof and extending parallel to each other, all made of a single piece of metal, substan-  
25 tially as specified.

4. The improved pin-catch for brooches and similar articles herein described, consisting of a stem, a hook, and bent wings or projections extending from the base of said hook in angular directions from said stem, all made in one  
30 piece of metal, substantially as specified.

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

DAVID M. WATKINS.

Witnesses:

EDITH S. RODMAN,  
WARREN R. PERCE.