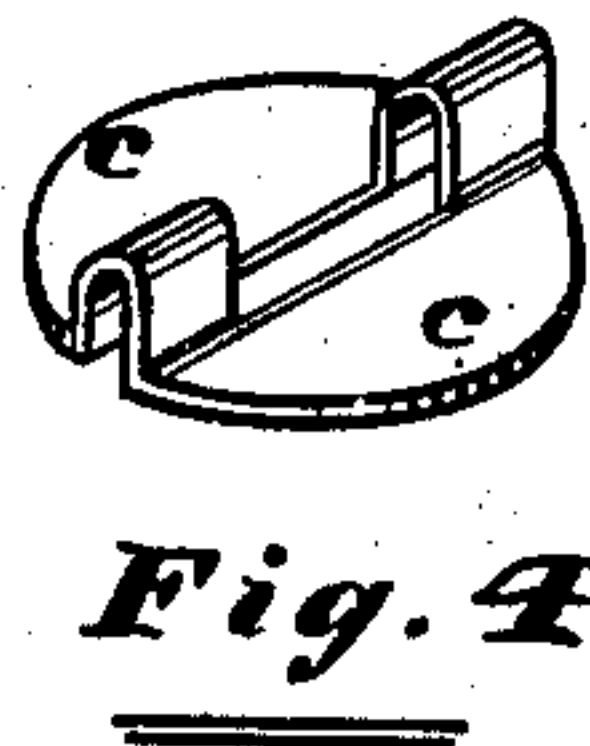
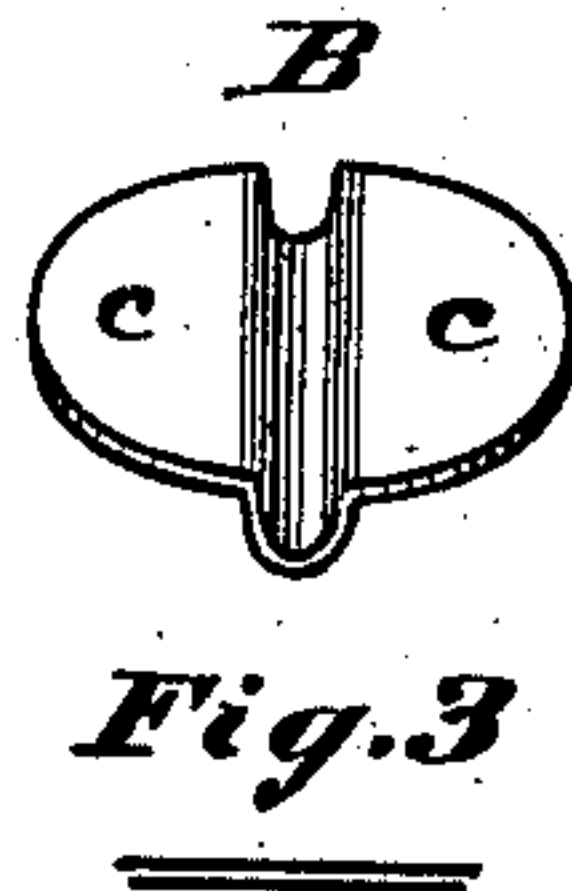
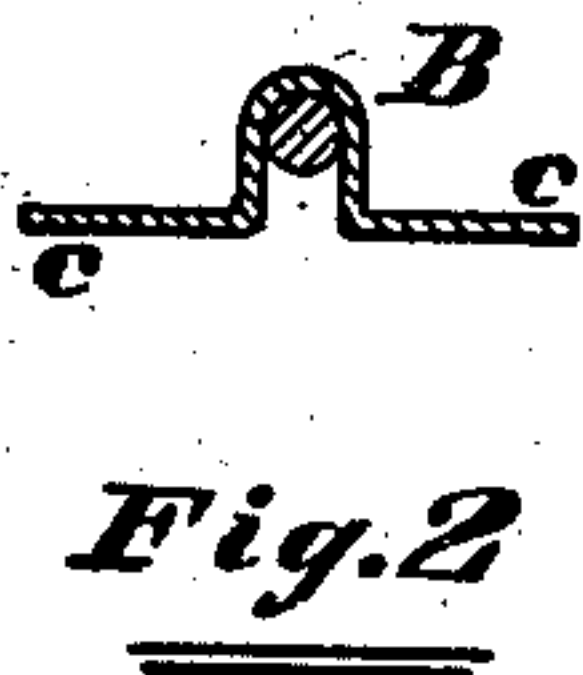
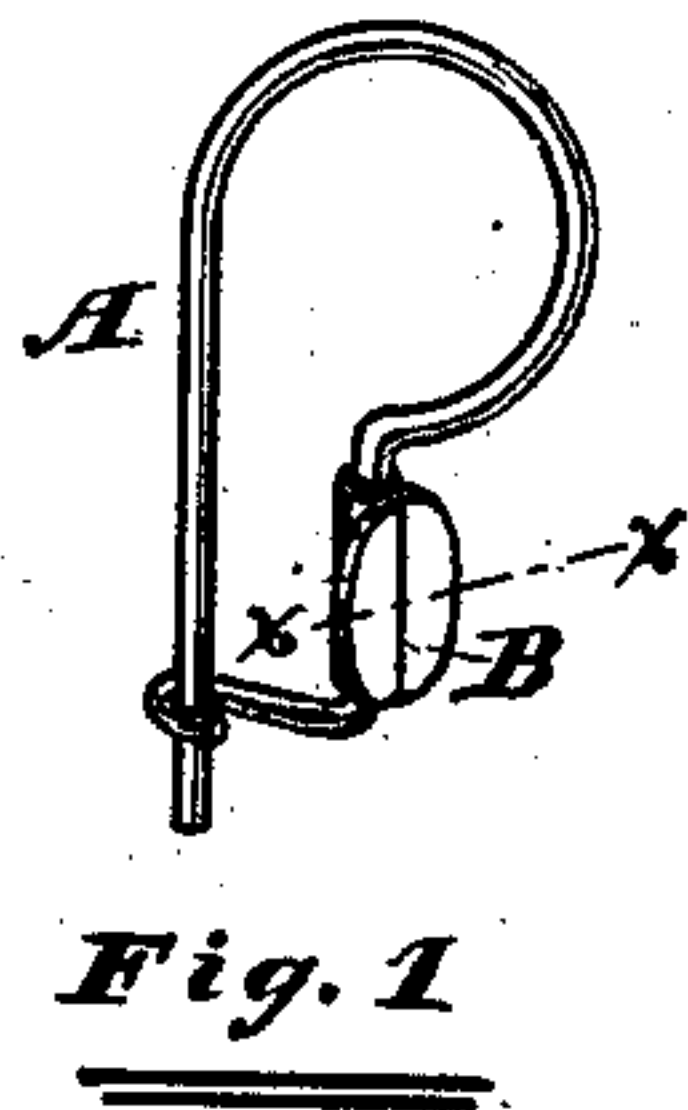


J. H. PURDY.  
Fastening for Ear-Rings, &c.

No. 227,922.

Patented May 25, 1880.



**Attest:**

Frank H. Haag.  
Franklin M. Reid

**INVENTOR:**

John H. Purdy  
by J. B. Jeffery,  
his Attorney.

# UNITED STATES PATENT OFFICE.

JOHN H. PURDY, OF CHICAGO, ILLINOIS.

## FASTENING FOR EAR-RINGS, &c.

SPECIFICATION forming part of Letters Patent No. 227,922, dated May 25, 1880.

Application filed July 7, 1879.

*To all whom it may concern:*

Be it known that I, JOHN H. PURDY, of the city of Chicago, county of Cook, and State of Illinois, have invented certain Improvements in Jewelers' Findings, of which the following is a specification.

My invention relates to an improved means of fastening the hooked wires to the ornamental parts of ear-rings; and it consists in the use of a peculiar metallic cap, in combination with the other necessary parts, as will be hereinafter described.

Heretofore such wires have been fastened either directly by means of solder or placed in tubes that are soldered to a separate metal disk or plate designed to be soldered to the back of the ornamental part.

By using the first method hard or jewelers' solder, requiring a red heat to melt it, is the only material that will strongly and neatly unite the parts. The heat required to melt this solder necessarily anneals and destroys the elasticity of the wire, which is a very objectionable result. In the second method hard solder must be used to properly unite the tube to the metal disk. This anneals the disk and tube, and necessitates the use of more metal than would be required to give the same strength if the parts were not so annealed, besides being a somewhat expensive process.

The object of my invention is to provide a fastening that does not require hard solder and consequent annealing to secure the parts firmly and be a comparatively light and inexpensive attachment.

The invention consists in the use of a plate of thin metal folded in the form of a loop of proper size to inclose the wire, and having wings, between which, and inclosed in the loop, should be placed the ear-ring wire. The wings

should have a comparatively large surface, and can, with the inclosed wire, be placed in contact with the back of the ornamental portion, and very strongly secured to the said back by using tin or soft solder, requiring a low heat to melt it, which, when placed between the metallic cap inclosing the wire, and the whole properly heated, will attach itself to the wire and back, and be entirely concealed, forming a neat connection without soiling the parts.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a perspective view of the wire with cap attached. Fig. 2 is a section at the line *xx*; Fig. 3, a view of the under side of the cap; and Fig. 4, a top view of the same, slightly modified.

At A is shown the ear-wire, and B the cap, having wings *cc*, between which is formed the loop to contain the wire A.

In Fig. 4 the device is shown with two loops, which may be used as a modification.

In the views, Figs. 2, 3, and 4, the device is shown with the loop of the cap in the form of a letter U—that is, with the wings separated to insert the wire—and it is desirable, but not necessary, to close the open space by pinching the wings closer together, as shown in Fig. 1, before connecting them to the ornamental part.

I claim as my invention and desire to secure by Letters Patent—

The combination, in an ear-ring, of the winged U-shaped disk B with the bent unpointed wire A, the former made to embrace the latter, all constructed and arranged substantially as and for the purpose specified.

JOHN H. PURDY.

Witnesses:

CHAS. N. CLARK,  
A. A. LEACHEY.