

C. B. DUESBURY.
Method of Attaching Pins to Brooches.

No. 166,754

Patented Aug. 17, 1875.

Fig. 1.

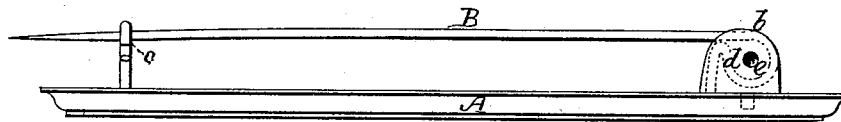
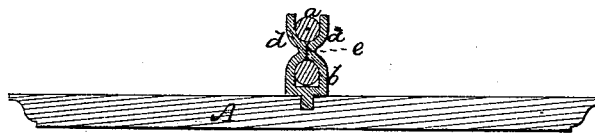


Fig. 2.



WITNESSES.
F. Hunnewell.
W. Boardman.

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UNITED STATES PATENT OFFICE.

CHARLES B. DUESBURY, OF MANSFIELD, MASSACHUSETTS.

IMPROVEMENT IN METHODS OF ATTACHING PINS TO BROOCHES.

Specification forming part of Letters Patent No. **166,754**, dated August 17, 1875; application filed December 5, 1874.

To all whom it may concern:

Be it known that I, CHARLES B. DUESBURY, of Mansfield, Bristol county, Massachusetts, have invented an Improved Method of Attaching Pins to Brooches, &c., of which the following is a specification:

This invention relates to an improved method of securing or pivoting pins to brooches and kindred articles of ornament or use; and consists in striking up, as it may be termed, from the metal surrounding the pin a spur or spurs, which enter the eye of the pin and secure it in place.

The drawing accompanying this specification represents, in Figure 1, a side elevation, and in Fig. 2 a transverse section, of a plain jet brooch, to which the pin is applied as contemplated in my improvement.

In these drawings, A represents the body of the brooch; B, the pin; *a*, the eye of the pin; *b*, the furcated stud or post which receives the eye of the pin, and *c* the hook or catch which confines the point of the pin B.

In carrying out the object of my present invention I provide a suitable die or set-punch, and I drive this die into one or both the lips *d* of the stud *b* from the outside, the effect of which is to strike up or form upon the inside of such lip a teat or spur, *e*, which extends into the eye of the pin, and confines the latter securely in place. I have found, in practice, that I am able in this manner to strike up from

one lip *d* a spur sufficiently long to pass entirely through the eye of the pin; but I prefer on some accounts to create a shorter spur upon each lip, and allow the two spurs to meet at the center of the eye.

The advantages of my improvement are as follows: First, I avoid the danger of losing the brooch or other article of ornament or value, which now often results from the loss of the pin by the escape of the rivet which confines it in place. Second, I economize much time, expense, and labor, which is now consumed in inserting a rivet as a means of confining the pin in place. Third, I avoid the annoyance and expense now so often incurred in separating articles of jewelry in replacing the pin which has become detached through loss of the rivet.

I claim—

The herein-described method of applying a pin to brooches and other articles by means of a suitable die or set-punch driven into one or both the lips *d* of the stud *b* from the outside, to strike up or form upon the inside of such lip a teat or spur, *e*, which extends into the eye of the pin, in the manner and for the purposes specified.

CHAS. B. DUESBURY.

Witnesses:

E. M. REED,
WM. C. BEEROM.