E. C. Benyaurd

Fastening for Jewelry,

No. 12,477. Patented Mar. 6, 1855.

Fig. 1.

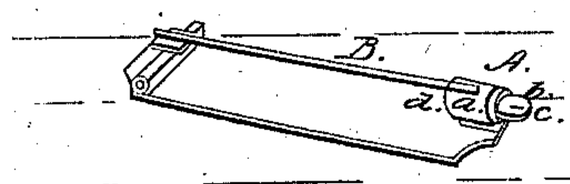

Fig. 2.

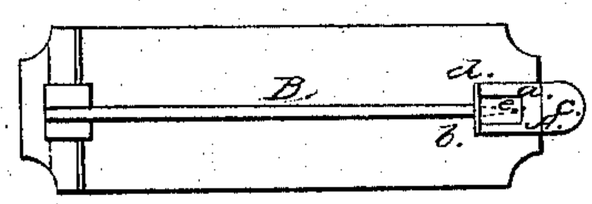

Fig. 3.

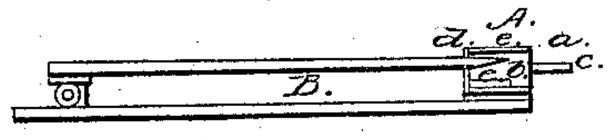

Fig. 4.

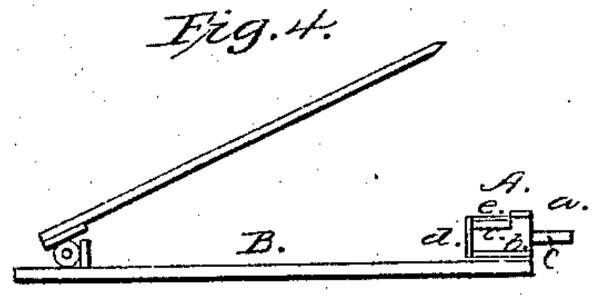

Fig. 5.

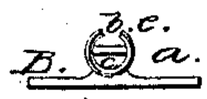

Fig. 6.

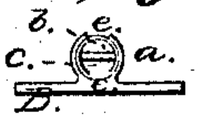

Fig. 7.

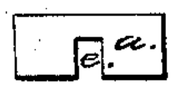

Fig. 8.

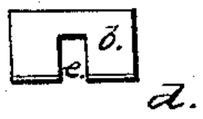

Fig. 10.

Fig. 9.

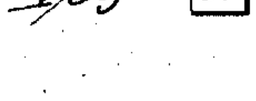

Fig. 11.

Witnesses:—

Ben. Morrison

Stephen K. Simmons.

Inventor:

E. C. Benyaurd

UNITED STATES PATENT OFFICE.

E. C. BENYAURD, OF PHILADELPHIA, PENNSYLVANIA.

SAFE CATCH FOR BREASTPINS, &c.

Specification of Letters Patent No. 12,477, dated March 6, 1855.

To all whom it may concern:

Be it known that I, E. C. BENYAURD, of the city of Philadelphia and State of Pennsylvania, have invented a new and useful Safe Catch for Breastpins, Cuff-Pins, Chatelaines, and other Pieces of Jewelry Requiring a Catch; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a perspective view (enlarged) of the catch applied to a common breast pin; Fig. 2, a plan view of the same; Fig. 3, a longitudinal section; Fig. 4, a like section, showing the pin proper, released; Figs. 5 and 6, transverse sections of the catch; Figs. 7, 8 and 9, plan views of the separate pieces of the catch as cut out previously to being "formed" and connected together; and Figs. 10 and 11, the same pieces as "formed up" for the purpose of being connected—the latter having the thumb-and-finger piece (Fig. 9) united to it as hereinafter described, like letters indicating the same parts, when on any of the figures.

The nature of my invention consists in constructing and combining together two slotted cylinders, the one within the other,—the outer one being soldered to the back of a piece of jewelry, with its slotted side up—and the inner cylinder fitting nicely within the outer one so as to be capable of being rotated therein by means of a thumb-and-finger piece fixed thereto—so that the point end of the pin proper, of the piece of jewelry may be admitted or released, at pleasure, through the slots when they are matched or brought together; and be held securely and safely when the inner cylinder is rotated half round, or turned so as to close the slot in the outer cylinder.

Referring to the drawings, A, is the safe-catch, attached to a common breast pin (B) so as to hold the point end of the pin as before stated—this catch is composed of three pieces—as follows—an outer cylinder (*a*); an inner cylinder (*b*), adapted to fit so as to be capable of being rotated within the outer one; and a thumb-and-finger piece (*c*), soldered to the outer end of the inner cylinder. Figs. 7 and 8, represent the two first named pieces as they are cut previously to their being "formed up"; and Fig. 9 the thumb-and-finger piece, previously to its being soldered to the inner cylinder—Figs. 10, and 11 represent the two cylinders as "formed," when united together—the inner one (Fig. 11) having a flange (*d*,) turned out so as to keep it within the outer one, when so placed, by bearing against its inner end—but, in constructing the catch, I find it most convenient to turn this flange after the piece is inserted in its place within the outer cylinder, as it need not project beyond the surface of the outer cylinder. The slots (*e e*) are both cut about two-thirds the length of the cylinders, commencing at the inner end thereof, and wide enough to admit the passage of the point end of the pin proper, freely through them, into, or out of the cylinders. The thumb-and-finger piece (*c*) is made, in width, equal to the diameter of the outer cylinder, and soldered fast across the outer end of the inner cylinder (*b*) so as to form a shoulder on each side, which abuts against the outer edge of the cylinder (*a*) and keeps the inner one from being forced in—while the flange (*d*) on the inner end, keeps it from geing pulled out.

The operation of my invention is as follows: The slots in each cylinder being made to match when combined together as described and shown in the drawings, it will be readily perceived that if the point end of the pin proper is pressed down through the slots in the two cylinders, when the slots are thus brought together, and the inner cylinder then turned (by the thumb and finger piece) half round—that the point end of the pin will be safely secured within the inner cylinder; and that if it is again turned half around, the two slots being thus again brought together, the point end of the said pin will be released—and when the said pin is made so as to spring on its shoulder at the joint, as usual, when the slots are brought together as before stated the pin will spring out in the position shown in Fig. 4.

As the size of the different pieces described will be governed by the particular piece of jewelry to which the catch is to be applied, it will not be necessary to specify on this point—but to state generally that this catch can be conveniently made of any of the metals commonly used for such purposes, and applied to any piece of jewelry requiring a catch, so as to be more neat, convenient, and less liable to get out of order

than any heretofore known or used—while at the same time it is best adapted for the purpose, being simple, easily constructed, durable and perfectly effectual as a safe-catch for jewelry.

Having thus, in full, clear and exact terms, described the construction and operation of my invention, and pointed out its utility and novelty, I proceed to state that I do not claim the application of a safe catch, generally, for the purpose of holding the point end of the pin of a piece of jewelry—But

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

The application and use of a safe-catch, constructed substantially as herein described, for the purpose of holding safely and securely the point end of the pin of breast pins, cuff pins, chatelaines or any other piece of jewelry requiring a catch and pin.

E. C. BENYAURD.

Witnesses:
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