W. H. WILKENING.

SAFETY CATCH.

APPLICATION FILED APR. 9, 1910.

1,009,815. Patented Nov. 28, 1911.

Fig. 1.

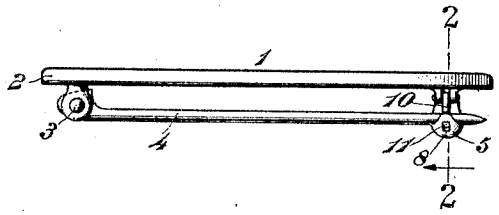


Fig. 2.

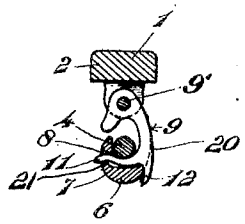


Fig. 3.

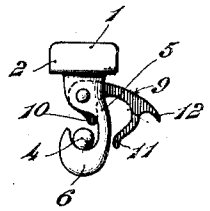


Fig. 4.



Witnesses

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SAFETY-CATCH.

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To all whom it may concern:

Be it known that I, WALTER H. WILKENING, a citizen of the United States, residing at Evanston, in the State of Ohio, have invented new and useful Improvements in Safety-Catches, of which the following is a specification.

This invention has reference generally to badges, breast pins, or other similar objects, and the invention relates more particularly to a novel locking or holding means to be employed in connection with the pin of the article, and which has a safety catch or lock to retain the pin in its closed position in the pin guard against displacement from said guard while the article is attached to and worn upon a garment.

With the above, and other objects in view, which will appear as the description progresses, the invention resides in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings there has been illustrated a simple and preferred embodiment of the improvement, and in which drawings,

Figure 1 is a side elevation of a piece of jewelry showing my safety device attached thereto. Fig. 2 is a sectional view upon the line 2—2 of Fig. 1. Fig. 3 is an end elevation of the device, showing the locking member in its open position. Fig. 4 is a detail perspective view of the locking member.

In the accompanying drawings the numeral 1 designates the complete piece of jewelry, such as a badge, breast pin, brooch or the like, the same consisting essentially in a suitable blank or plate 2 which may be ornamented upon its face and may be of any desired configuration and outline as will be clearly understood. Suitably arranged and secured upon the back of the said blank or plate 2 is any well known form of pivotal support as at 3, provided with a pin 4 as clearly illustrated in the figures of the drawing. The pointed end of the pin 4 is adapted to be engaged within the usual pin guard 5. The pin guard is provided with the usual hooked end beneath which the said pin can be forced, and the under face of this hooked portion, designated by the numeral 6, is grooved as indicated by the numeral 7 and the outer face of the said hook is provided with a suitable opening 8 which communicates with the groove 7.

By reference to Fig. 2 of the drawings it will be noted that the opening 8 is arranged at an angle to the groove 7 and that the lower wall formed by the said opening is slightly rounded from its juncture with the wall provided by the groove toward the outer face of the pin guard. The rear wall of the pin guard is centrally cut away to provide for the reception of the locking member 9. This locking member is pivotally connected between the sides provided by the cut away portion and directly below the plate 2 as designated by the numeral 9'. The locking member or catch has its rear portion 20 rounded and the extremity thereof formed with a finger grip 12. The numeral 11 designates a substantially S-shaped finger which is positioned a distance above the finger grip 12 and which is so shaped as to snugly engage the groove 7 and to have its arcuate end passed through the opening 8 and engaged with the rounded portion 21 provided by the lower wall of the said opening 8, as heretofore set forth. The locking member or catch is provided adjacent its body portion 20 with a depending finger 10, which has an interlocking engagement with the hook and it will be noted that the end of said finger extends at an angle from the said body portion and is adapted to close the opening between the hook 6 and the body portion of the pin guard.

From the above description, taken in connection with the drawings, it will be noted that the pin is securely locked within the pin guard when the catch member is brought into position illustrated in Fig. 2 of the drawings. It will be apparent that contact upon the finger 10 by the said pin 4 will have a tendency to force the S-shaped finger 11 more tightly into engagement with the groove and the opening provided therefor. The S-shaped finger contacting the rounded wall provided by the opening effectively prevents the accidental swinging of the member 9, while the finger grip 12 is so arranged as to be readily grasped to swing the catch into the position illustrated in Fig. 3 and to allow the withdrawal of the pin from the guard.

Having thus fully described the invention, what I claim as new is:—

An article of the class described having a pivoted pin, a hook for said pin, said hook having its rear portion centrally cut away, the lower portion of the hook being provided with a longitudinally extending

groove, the finger of the hook being provided with an opening communicating with the said groove, the lower wall provided by the opening being rounded adjacent the outer face of the hook, a catch member pivoted within the cut away portion of the hook, said catch member having its lower portion formed with a finger grip, the catch member being further provided with an S-shaped finger adapted to snugly engage within the groove and to have its outer curved portion contact the curved wall formed in the hook and to interlock with the rounded outer face of the hook, and the said catch member having its upper portion formed with a downwardly extending finger adapted to close the opening of the hook when the catch is in a locked position thereon.

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

WALTER H. WILKENING.

Witnesses:
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ARTHUR A. MELCHING.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."