(No Model.)

C. H. STAHL & J. W. BOUTON.

CORSET CLASP.

No. 405,442. Patented June 18, 1889.

Fig 1

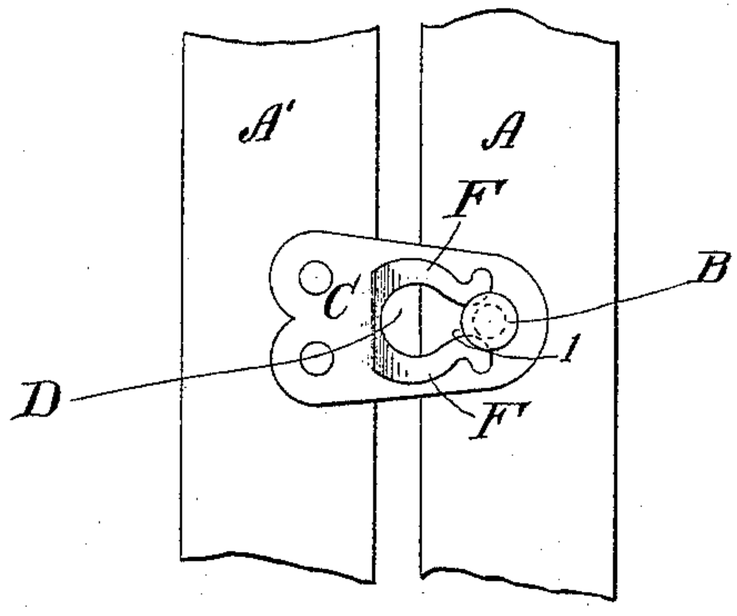

Fig 2

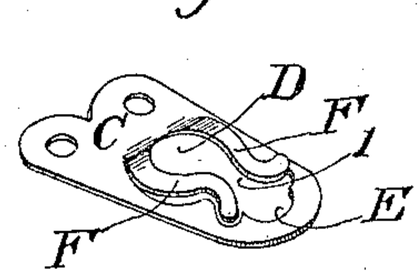

Fig 3

Witnesses
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Atty.

UNITED STATES PATENT OFFICE.

CHARLES H. STAHL AND JOHN W. BOUTON, OF BRIDGEPORT, CONNECTICUT.

CORSET-CLASP.

SPECIFICATION forming part of Letters Patent No. 405,442, dated June 18, 1889.

Application filed November 8, 1888. Serial No. 290,271. (No model.)

To all whom it may concern:

Be it known that we, CHARLES H. STAHL and JOHN W. BOUTON, citizens of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Corset-Clasps; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to corset-clasps, and has for its object to improve upon the construction of the eye by which one part of the corset is secured to the other.

With these ends in view our invention consists in the details of construction and combination of elements, such as will be hereinafter fully set forth, and then specifically designated by the claims.

In the accompanying drawings, Figure 1 is a front view of a short section of a busk provided with our improved clasp; Fig. 2, a detail of the eye, and Fig. 3 an end elevation of the same.

Similar letters denote like parts in the several figures.

Prior to our invention corset-clasp eyes have been made with an enlarged opening terminating in a slot, said opening and slot having spring-actuated sides cut out from the metal of the eye, the headed pin being forced within the slot to secure the two sections of the busk. While this construction is of course practicable, the fact remains that the sides of the slot do not yield to any appreciable degree to facilitate the introduction of the headed pin, since said sides are rigid with the body of the eye and form the closed end of the opening of said eye.

Our invention contemplates the ready yielding of the sides of the eye-opening when the headed pin is introduced, and, furthermore, the automatic locking of said pin and the releasing of all strain on said sides.

A A′ are the busk-sections, and B the headed pin, secured to the section A.

C is the eye, having an enlarged opening D, which leads forward into a small recess E. The sides of the opening D are the spring-fingers F, which latter are formed by shearing out the stock of the eye, leaving the base or rear end of said fingers integral with the body of the eye, while the fingers themselves are bent and forced above the plane of the eye, so as to render the spring action of said fingers perfectly free without cutting out the stock of the eye around the outer edges of the said fingers. These fingers, near their forward ends, are converged, so as to afford a channel *l* narrower than the diameter of the shank of the pin G, and the extremities of said fingers are diverged in front of the recess E. The headed pin G is extended through the opening D and then forced through the channel *l* between the fingers F within the recess E. The fingers spring back to normal condition immediately after the pin has passed into the recess, and their diverging extremities present stop-shoulders which effectually prevent the pin from accidentally slipping back within the opening D.

We claim—

1. In a corset-clasp, the combination, with a headed pin secured to one section of the busk, of the eye having an enlarged opening terminating in a diminished recess and a pair of spring-fingers sheared and raised from the stock of said eye and forming the sides of said opening, said fingers being integral with the eye at the rear and having their forward ends converged and diverged, substantially as set forth.

2. In a corset-clasp eye, the spring-arms sheared and raised therefrom and integral at their rear with the stock of the eye, and having their forward ends converged to form a channel narrower than the diameter of the pin and then diverged, an opening D being formed in the eye and coinciding with the inner edges of said arms, said opening terminating in a diminished recess E immediately beyond the said channel, substantially as shown, and for the purposes set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES H. STAHL.
JOHN W. BOUTON.

Witnesses:
F. W. SMITH, Jr.,
S. S. WILLIAMSON.