

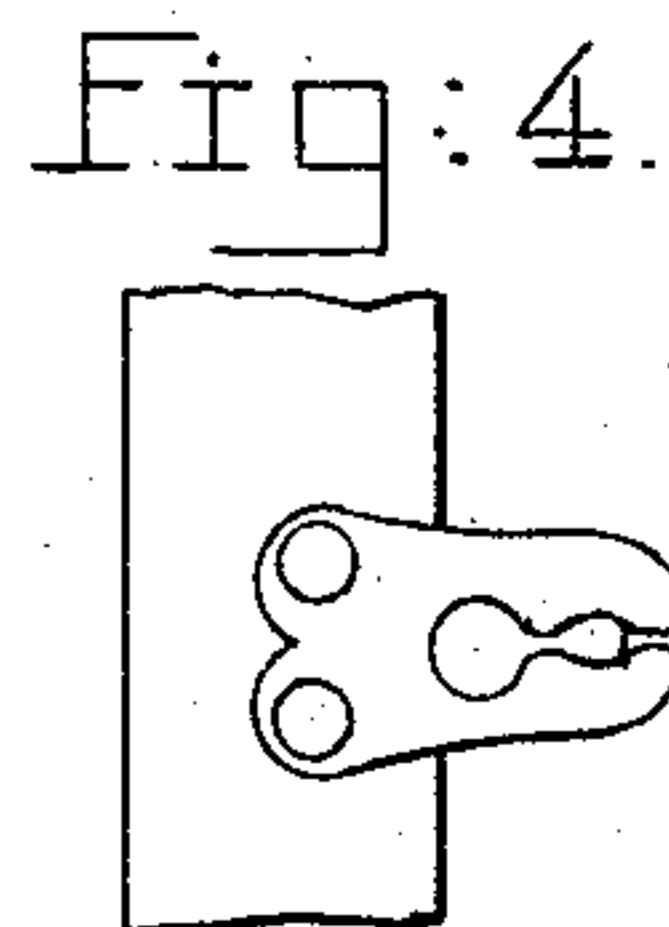
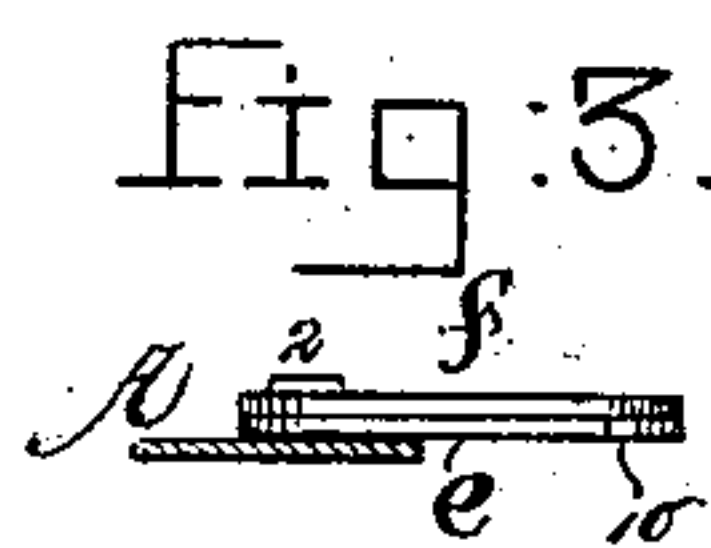
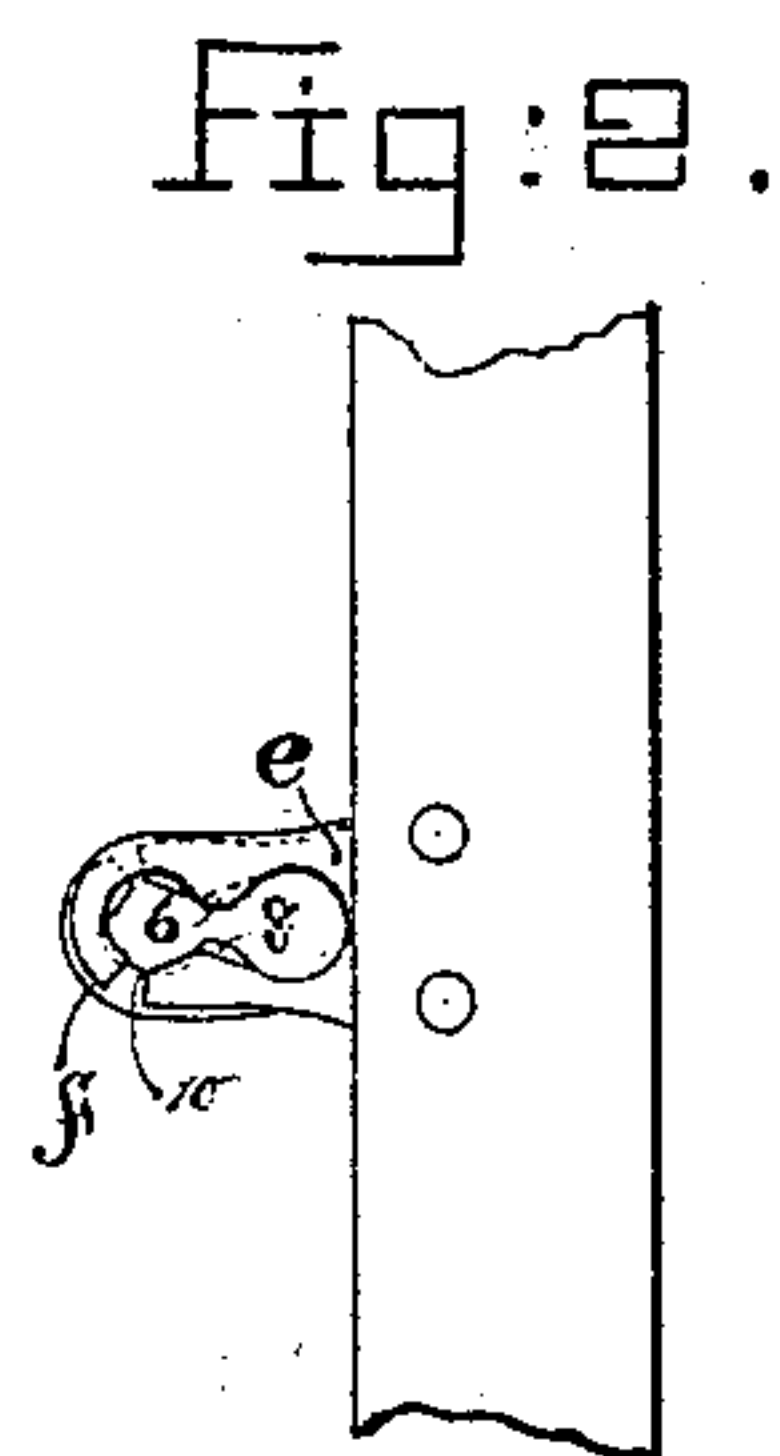
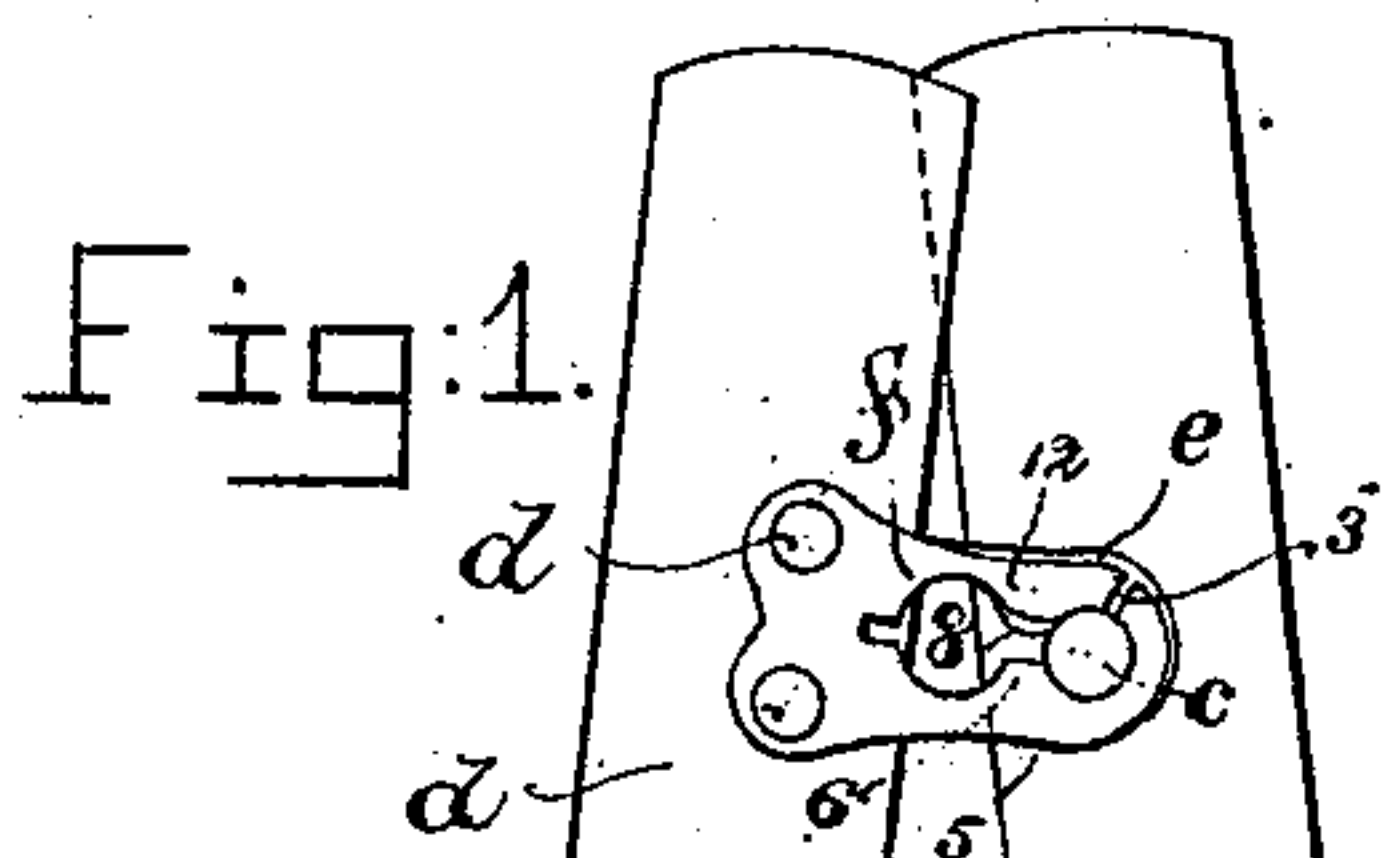
(No Model.)

C. H. WILLIAMS.

CORSET FASTENING.

No. 312,238.

Patented Feb. 10, 1885.



Witnesses.

Henry Marsh.

Bernice J. Hayes.

Inventor

Charles H. Williams.

by Lewis & Gray Attys

UNITED STATES PATENT OFFICE.

CHARLES H. WILLIAMS, OF WORCESTER, ASSIGNOR TO THEODORE C. BATES, OF NORTH BROOKFIELD, MASSACHUSETTS.

CORSET-FASTENING.

SPECIFICATION forming part of Letters Patent No. 312,238, dated February 10, 1885.

Application filed May 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. WILLIAMS, of Worcester, county of Worcester, State of Massachusetts, have invented an Improvement in Corset-Steel Fastenings, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

A patent of the United States, No. 222,400, granted to Lucian Hill, shows a corset-steel with an attached metal plate provided with an eye-piece having co-operating with it one or more spring-arms which yield to the passage of a stud attached to a second steel, the arms then springing laterally across the slot in the plate and retaining the stud in the outer end of the eye-piece. In said patent the underside of the head of the stud passes beyond the said fastening-jaws, thus enabling the stud to pass beyond the ends of the jaws, and in some cases get under the ends of the jaws. To obviate this difficulty, I have so shaped and extended the jaws that their ends pass around the smaller eye in the eye-piece, and so that the head of the stud does not pass entirely beyond the free end of the jaws, and the head cannot get under the said jaws in its backward movement toward the stud to which the eye-piece is attached. The jaw, with its end or ends extended so as to always remain in position to prevent the descent of the head of the stud after it enters the outer end of the slot, is placed next the eye-plate, and, if desired, the eye-plate may also be slotted, thus making a compound jaw.

Figure 1 represents a pair of steels provided with my improved fastenings; Fig. 2, an under side view of the fastenings at the lower end of the steel A. Fig. 3 is a section on the line *xx*, and Fig. 4 is a modification of the jaw.

The steels A B and headed studs *c* are of usual construction. The steel A has attached to it by rivets *d* a plate, *e*, and next to it, and shown as held by the same rivets, is the jaw *f*, made also, as shown, from sheet metal. The jaw will be formed by separating the metal of which it is composed preferably a little at one side of its outer end, as at 3; but the separation may be as shown at 4, Fig. 4. The member 5 of

the jaw is provided with a projection, 6; but the member 12 is shown as cut a little short, so as to leave opposed to the projection 6 a projection, 8, on the eye-plate, the body of the stud *c* acting against the said projections 6 and 8 as it passes from the inner to the outer end of the eye into the position shown in Fig. 1 at top, and it will be noticed that in such position the outer end of the jaw member 5 extends about the stud under its head, and the head of the stud cannot possibly get under the end of either jaw. With the end of the eye-plate and of the jaw extended forward alike the stud does not have endwise play when in the outer end of the slot, as when the jaws terminate short of the end of the plate, as in the Hill patent referred to. If desired, the plate may also be slotted, as shown best at 10, Figs. 2 and 3, thus making of it an auxiliary jaw.

I claim—

1. The corset-steel A, provided with an attached eye-plate, and an open slotted jaw, *f*, placed at one side of it, and having a stud-holding projection, the outer end of the said jaw being carried out to the end of the eye-plate, combined with steel B, provided with a headed stud, the latter when in the outer end of the eye-plate being surrounded by the jaw, the said holding projection of the jaw at such time springing behind the said stud, substantially as described.

2. The corset-steel A, provided with an attached eye-plate having a slot and a projection, 6, and a jaw, *f*, extended to the outer end of the eye-plate to sustain the head of the stud, and provided with a projection, 8, opposite the projection 6, the projection 6 extending across the edge of the jaw, and the projection 8 extending across the edge of the plate *e*, to be acted upon by the headed stud, substantially as described.

3. The corset-steel A, provided with an attached eye-plate, and an open slotted jaw, *f*, placed at one side of it, secured at its inner end to the steel A, and having a stud-holding projection, the outer end of the said jaw being extended out beyond the stud projection substantially to the end of the slot in the eye-plate, combined with the steel B, provided

with a headed stud, the under side of the head
of the stud when in the outer end of the eye-
plate resting upon the upper surface of the
jaw, the holding projection thereof at such
5 time springing behind the stud and retaining
it in the outer end of the slot of the eye-plate,
substantially as described.

In testimony whereof I have signed my name
to this specification in the presence of two sub-
scribing witnesses.

CHAS. H. WILLIAMS.

Witnesses:

H. H. FAIRBANKS,
BENJ. L. SAMPSON.