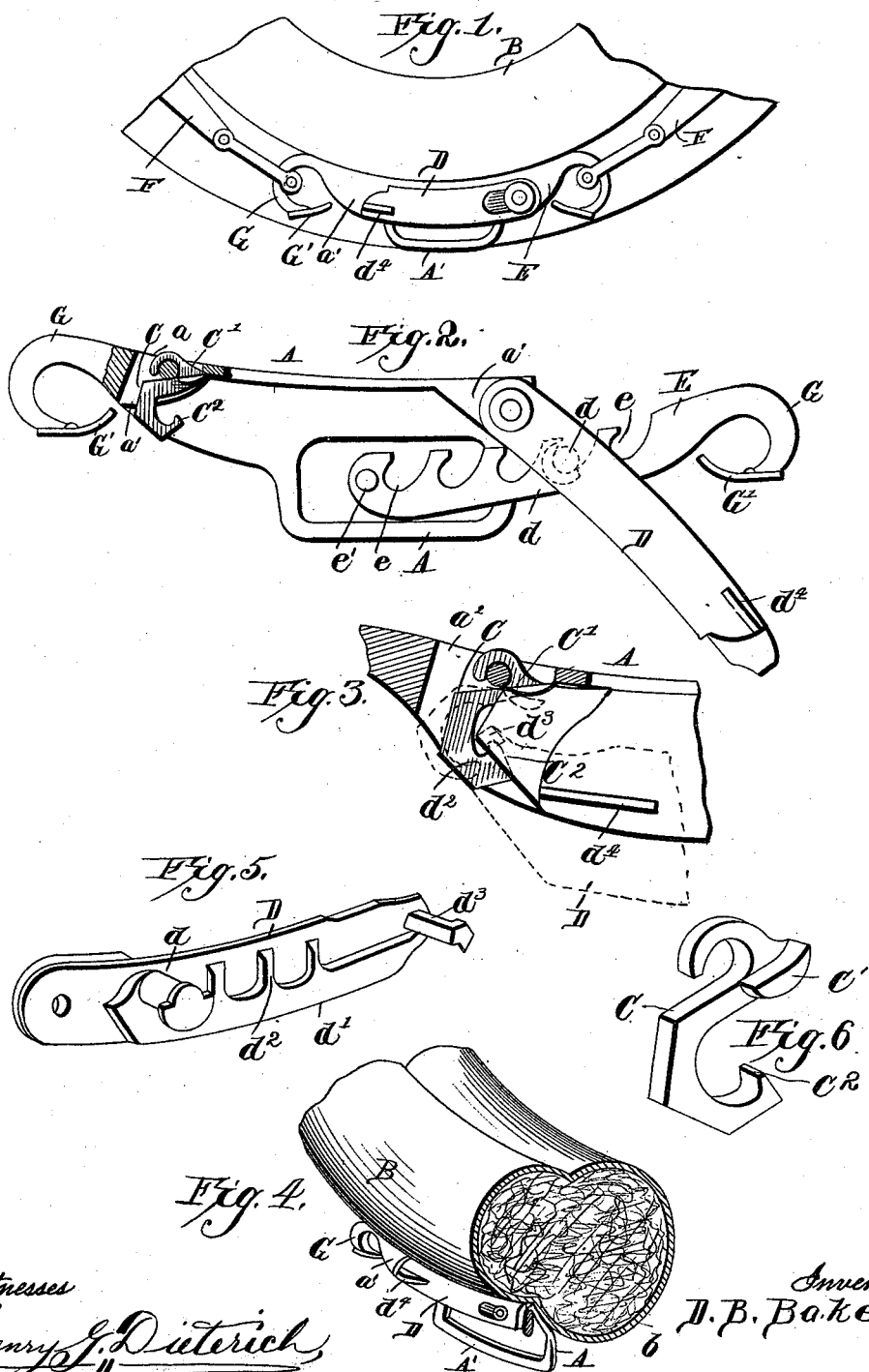


(No Model.)

D. B. BAKER.
HAME FASTENING.

No. 418,669.

Patented Jan. 7, 1890.



Witnesses
Henry J. Dietrich
H. F. Riley

Inventor
D. B. Baker
By his Attorneys
C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

DANIEL B. BAKER, OF RISING SUN, OHIO.

HAME-FASTENING.

SPECIFICATION forming part of Letters Patent No. 418,669, dated January 7, 1890.

Application filed July 18, 1888. Serial No. 280,262. (No model.)

To all whom it may concern:

Be it known that I, DANIEL B. BAKER, a citizen of the United States, residing at Rising Sun, in the county of Wood and State of Ohio, have invented new and useful Improvements in Hame-Fastenings, of which the following is a specification.

The invention relates to improvements in hame-fastenings.

10 The object of the present invention is the production of a hame-fastening of great simplicity and cheapness, that will in a positive and reliable manner secure the harness together and conform to the configuration of the horse-collar and fit snugly thereto.

15 The invention consists in the novel combination and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

20 In the accompanying drawings, Figure 1 is a detail view representing the lower portion of the collar and hames and showing how the fastening is applied. Fig. 2 is a detail view 25 of the fastening, representing it in side elevation and showing the lever swung out and in the act of being drawn together to make the coupling. Fig. 3 is a detail view of one end of the fastening, showing the action of the locking-pawl for the lever. Fig. 4 is a detail section of a collar, showing the fastening applied so as to see how it conforms in shape to the collar. Fig. 5 is a detail perspective view of the lever, taken from the inner side. 35 Fig. 6 is a detail perspective view of the locking-pawl.

Like letters refer to the same parts throughout the several figures.

Referring to the accompanying drawings, 40 A designates the frame or main body of the fastening, consisting of a single piece constructed of suitable metal and having its rear face slightly concave in order that it may fit snugly against the back roll *b* of the horse-collar B. (See Fig. 4.) The bottom of the frame A is slightly rounded and fits closely between the front and the back rolls of the collar B.

50 Near the ends of the main body or frame A are side pieces *a'*, one of which forms with that portion of the frame opposite it a casing adapted for the reception of an automatic

locking-pawl C, while the other side piece *a'* has pivotally secured a lever D, which is engaged by the automatic locking-pawl to fasten 55 a detent-bar E to the main body or frame A, and thereby secure the hames F together. The main body or frame A has formed integral with it a loop *A'*, which is adapted to receive the choke-strap. 60

The frame A is connected to one of the hames F by a hame-hook G, formed at one end of the frame, and the mouth of the hook is closed by a curved piece *G'*, which is pivoted to the hook G. 65

The lever D, completing the side and forming when closed the front face of the fastening, is provided near the pivoted point with a stem *d*, which is adapted to be engaged by the detents *e* of the detent-bar E, and has at its outer end a flange which prevents the detent-bar E moving laterally in the frame A. 70 The lever D at its lower edge is increased in thickness or provided with a ridge *d'*, which forms a continuous shoulder to be engaged by a small projection *e'* at the outer end of the detent-bar E to prevent the detent-bar leaving the frame A, and the lever E after it has been brought into engagement with the stem *d* and locked, and said lever D is provided at 80 suitable points with transverse ribs *d²*, which, when the parts are being locked, engage the detent-bar E, elevating the edge of the lever D and carrying it past the projection *e'* at the end of the detent-bar E without coming in 85 contact with said projection *e'*.

The lever D is provided at its outer end with a small end piece *d³*, which is shouldered on its inner edge and is engaged by the pawl C, which locks the lever D. The end of the lever is reduced in thickness, and has its outer end curved and conforming to the configuration of the curved surface of a lug *C'* integral with the pawl C. The edge of the reduced end back of the curved portion *d³* is 95 cut away slightly, in order that the lever may clear the side piece *a'* of the frame A.

The pawl C is pivoted in a slot *a²* of the frame A, and has formed integral with it on one side and forward of the pivotal point the 100 lug *C'*, which, when the lever is swung up, is raised, whereby the tooth *C²* of the pawl C is thrown forward and into engagement with the end piece *d³*, thereby securely locking the

lever D in its closed position. By this construction the lever D forces the lug C' upward, thereby making the pawl C automatically engage the end piece and lock the lever D.

5 The detent-bar E is provided at one end with a hame-hook G, having its mouth closed by a curved piece G'.

When it is desired to secure the hames F together, the detent-bar E is placed upon the stem d, and the lever D is swung up and automatically locked by the pawl C. To release the lever D it is pressed against the collar to relieve the strain upon the parts, and the pawl C is then thrown back. A thumb-piece d' is formed on the lever D to assist the operation of fastening and unfastening.

Of course it will be understood that I do not limit myself to the precise details of construction herein shown and described, as I may, without departing from the spirit of my invention, make any minor changes therein.

Having described the invention, I claim—

1. In a hame-fastening, the frame or body, the detent-bar E, the locking-pawl C, having the curved lug C', and the lever D, having the end piece d' to be engaged by the pawl, as set forth.

2. A hame-fastening comprising the detent-bar E, having a projection e' and detent e, the frame or body A, the lever D, pivoted to the frame or body and having a stem d to engage any one of the detents e, and the continuous ridge d', to be engaged by the projections e' of the detent-bar, as set forth.

3. In a hame-fastening, the frame or body A, the detent-bar E, separate therefrom and having the projection e' and detents e, the lever D, pivoted to the frame or body and having the stem d, flanged at the outer end and engaging the detents of bar E, and the ridge or shoulder d' on the inner side of the lever D, for the projection e' of the detent-bar to engage with, and the transverse ribs d'', also on the inner side of the lever above the ridge or shoulder, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

DANIEL B. BAKER.

Witnesses:

MYER COHEN,
E. G. SIGGERS.