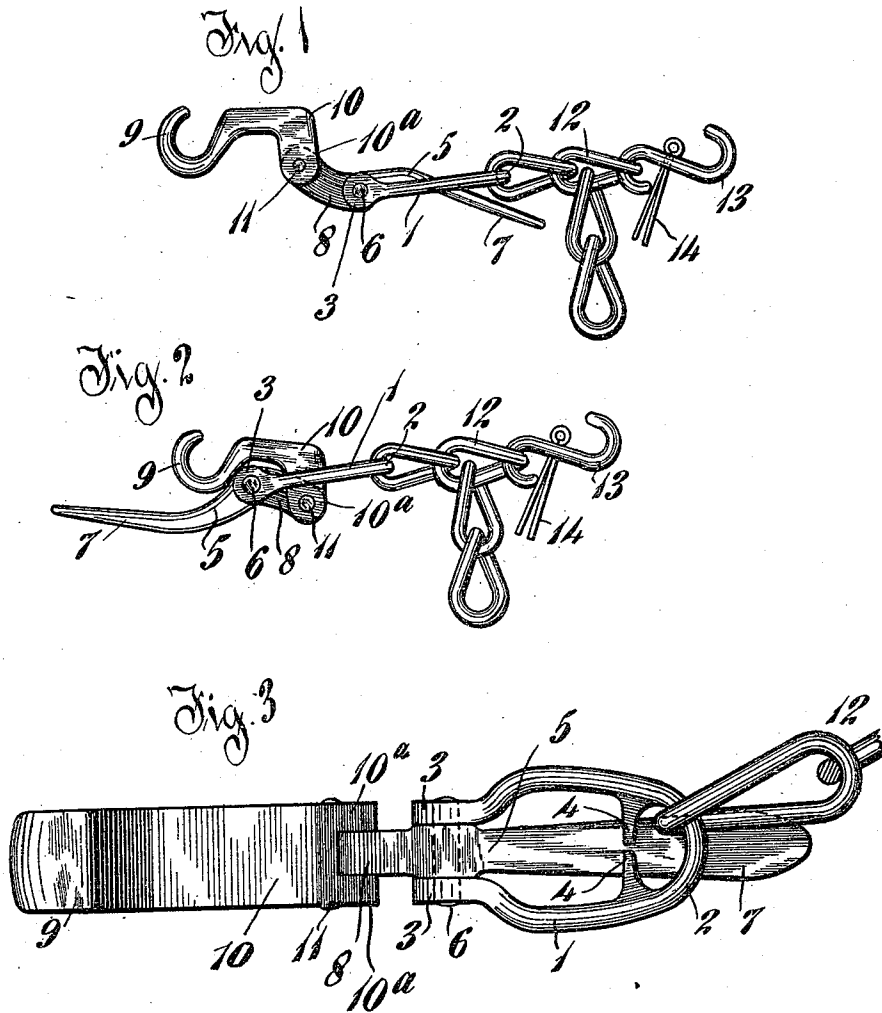


Patented June 7, 1910.

960,423.



Witnesses
Oliver Schuman
Norma Reiser.

Inventor
Robert D. Simpson,
by John Elias Jones,
his attorney.

UNITED STATES PATENT OFFICE.

ROBERT D. SIMPSON, OF COLUMBUS, OHIO, ASSIGNOR TO THE NATIONAL SAFETY SNAP COMPANY, OF WILMINGTON, OHIO, A CORPORATION OF OHIO.

HAME-FASTENER.

960,423.

Specification of Letters Patent.

Patented June 7, 1910.

Application filed May 24, 1909. Serial No. 497,930.

To all whom it may concern:

Be it known that I, ROBERT D. SIMPSON, a citizen of the United States of America, and a resident of Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Hame-Fasteners, of which the following is a specification.

This invention relates to hame-fasteners of that class having a link and lever in their cast-off construction that enables the device to be readily used for the attachment and detachment of the hames to and from the collar.

The invention consists in the provision of a hame-fastener comprising a slotted link having one end open and the other end closed, extended pivotal lugs or ears at said open end of the link, a lever pivoted intermediate its ends in said link-extension ears and having a handle at one end and a slightly angulated arm at its other end, a hook-member having an L-shape arm pivotally-connected to said angulated arm of the lever, a chain or like flexible member pivotally-connected to the closed end of said link and a removable S-shape hook attached to the other end of said chain or flexible member.

Other features in which the invention consists will be fully hereinafter described in connection with the accompanying drawings, in which—

Figure 1 is an elevation of my invention showing it in open condition ready for application to place at the lower ends of the hames (the latter not being deemed necessary to show herein as they form no part of the invention); Fig. 2, a view similar to Fig. 1 but with the device in closed condition for locking the lower ends of the hames; and Fig. 3, a plan view, on a somewhat larger scale than Figs. 1 and 2, of my device in the open position seen in Fig. 1, but with the chain partly broken off.

In these views, 1 indicates a link having one end closed at 2 and its other end spread open or spaced and provided with eye-extensions 3, 3.

4, 4 indicate inwardly-turned projections forming a pair of stops at the closed end of the link 1, the purpose of which will be hereinafter referred to.

5 indicates a lever pivoted at 6 in the eye-extensions 3 of the link 1 and provided with

a handle-extension 7 disposed in one direction and a slightly angulated arm 8 disposed in the opposite direction therefrom.

9 indicates a hook having an integral L-shape arm 10, the latter being forked at 10^a, 10^a, to span or engage the arm 8 of the lever 5 and to which arm 8 it is pivotally-connected by means of a transverse rivet or shaft 11.

12 indicates a twist-link chain coupled at one end to the closed end 2 of the link 1 and provided at its opposite end with an S-shape hook 13, the latter having a key or split-pin 14 passing through its body portion for securely but detachably coupling it with either of the several links of the chain to suit the size of collar that the hames and fastener are used upon.

In using my device, it is arranged with the hooks 9 and 13 duly engaging the customary loops or eyes at the lower ends of the hames, the lever 5 being arranged as seen in Figs. 1 and 3. The hook 13 is previously secured, however, to one of the links of the chain to suit the size of collar. The handle 7 of the lever 5 is then drawn to the left so that the lever pivots in the link 1 and carries the member containing the hook 9 toward the chain 12, the parts 8 and 10^a entering the link 1 and taking position as seen in Fig. 2 which shows the device in closed or locked position for securing the hames in place on the collar.

The inwardly-disposed projections 4, 4, seen within the closed end of the link 1 in Fig. 3, are slightly spaced apart and form stops or obstructions to prevent the first link of the chain slipping or moving forwardly in the link into the path of movement of the hook member and the lever when the fastener is positioned on the hames and the lever swung downward to lock the hames upon the collar.

I claim:

In a hame fastener, a link open at one end, said open end being provided with eye-extensions, a lever pivotally mounted on said eye-extensions, said lever being provided with an operating handle extending in one direction and an arm extending in the opposite direction, a hook member pivotally connected to said arm, the hook on said hook member being drawn inwardly toward the collar when said hame fastener is in operative position, a chain connected to the

closed end of said link and inwardly extending projections formed upon said link at a point near one end thereof, said projections being adapted to prevent said chain connections from swinging forward thereby conflicting with the inner end of the lever and the inner end of the hook that is pivoted

to said lever, a suitable hook member being adapted to engage the links of said chain.

ROBERT D. SIMPSON.

Witnesses:

L. CARL STOUGHTON,
A. L. PHELPS.