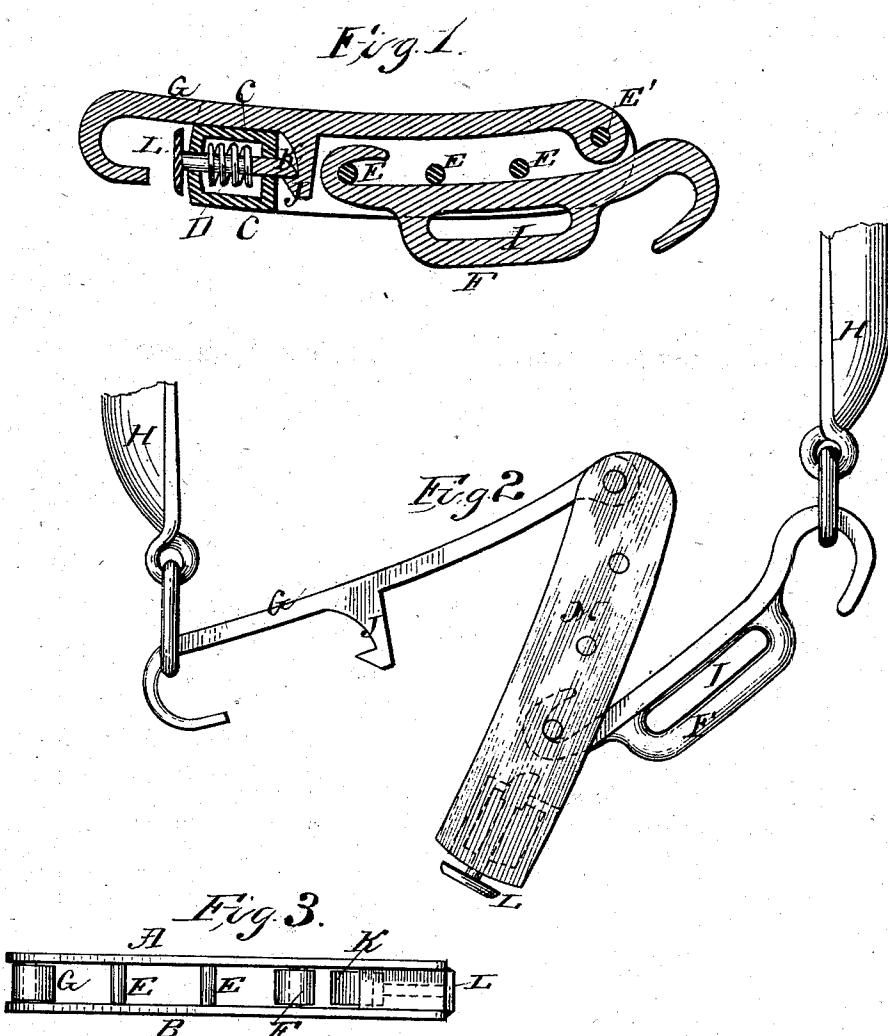


(No Model.)

A. C. RICHARDSON.
HAME FASTENER.

No. 255,022.

Patented Mar. 14, 1882.



Witnesses:

E. G. Ammer
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UNITED STATES PATENT OFFICE.

ALBERT C. RICHARDSON, OF SOUTH FRANKFORT, ASSIGNOR OF ONE-HALF
TO CHRISTIAN C. MILLER, OF FRANKFORT, MICHIGAN.

HAME-FASTENER.

SPECIFICATION forming part of Letters Patent No. 255,022, dated March 14, 1882.

Application filed October 25, 1880. (No model.)

To all whom it may concern:

Be it known that I, ALBERT C. RICHARDSON, a citizen of the United States, residing at South Frankfort, in the county of Benzie and State of Michigan, have invented certain new and useful Improvements in Hame-Fasteners; and I 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

15 My invention relates to improvements in hame-fasteners for which Letters Patent of the United States No. 227,384 were granted to me May 11, 1880. In said patented device two double snap-hooks were employed in connection with an elongated U-shaped frame to engage with and secure the lower ends of the hames around the collar. In said device the open sides of the snap-hooks were upward toward the hames and collar, and snaps or plate-springs became necessary to prevent the ends of the hames from being drawn from the hooks. By my present improvement I dispense with the double snap-hooks and U-shaped frame, and have materially modified the construction 30 in several other respects, as will further appear by reference to the accompanying drawings, in which—

Figure 1 represents a longitudinal vertical section in position for securing the hame around the collar. Fig. 2 represents a side view in position for attaching the hooks to the hames preparatory to securing them together around the collar. Fig. 3 represents a top view of the device with hooks released.

40 The frame M is constructed of two plates, A and B. One end of plate B is provided with two walls, C C, which serve as bearings for the plate or side A, and also to retain the spiral spring D in place. The plates or sides A and B are retained in contact by rods E, which rods also serve as places of attachment for the hooks F and G. The hook F is formed in shape resembling the letter S, its ends being turned in opposite directions. It is loosely attached to the rods E, 45 and may be moved from one rod to another, nearer to or farther from the end of the frame, as may be required in adjusting the fastener

5 to collars of different sizes. Hook G is permanently attached to rivet or rod E', upon which it is loosely fitted.

55 H H represent the hames as secured by the fastener. It is obvious that as the openings in the hooks are downward, and that as the tendency of the draft of the hames is upward or in the opposite direction, the hames are not liable to become detached from the hooks, and snaps or springs become unnecessary, while in my said patented device the openings of the hooks are upward, and snaps or springs are necessarily required to prevent the hooks from becoming 65 detached from the hames. Hook F is provided with loop I, which serves as a place of attachment for pole or bell straps.

70 To operate this device the hooks F and G are inserted in the hame-buckles, as shown in Fig. 2, the lower end of the frame is drawn upward against the hook G, in the position shown in Fig. 1, when the hook or keeper J engages with the sliding latch K and secures the hames around the collar. To unfasten the hames the 75 knob L is operated to withdraw the latch, when the hooks may be detached from the buckles and the hames removed from the collar.

Having thus described my invention, what I claim as new, and desire to secure by Letters 80 Patent, is—

1. In hame-fasteners, the combination of the frame having sides A B, inclosing walls C C, bolt or latch K, and spring D, substantially as and for the purpose specified.

85 2. In hame-fasteners, the combination of frame M, S-shaped hook F, provided with loop I, and hook G, as permanently secured upon rod E', the respective ends of said hooks being inclined downward from the hames, substantially as and for the purpose specified.

90 3. The frame M, the hook G, pivoted therein and provided near its free end with a catch, J, shaped as described, and a spring-lock provided with a latch, K, arranged to engage at its forward end with the catch, all in combination substantially as and for the purpose described.

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

ALBERT C. RICHARDSON.

Witnesses:

JAS. B. ERWIN,
ALBERT KNOLT.