(No Model.)

M. M. McKINNON.

HAME FASTENER.

No. 332,270. Patented Dec. 15, 1885.

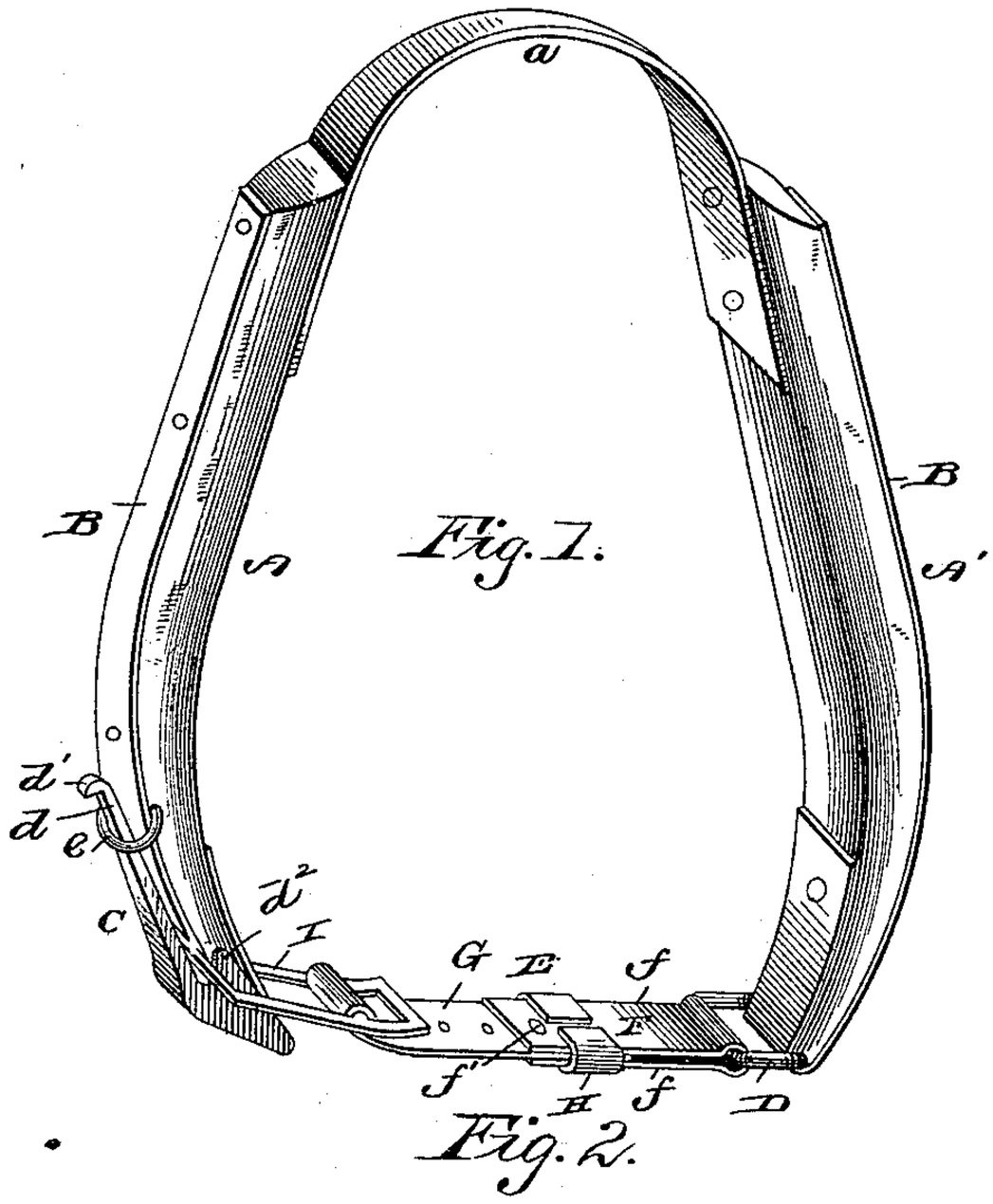


Fig. 1.

Fig. 2.

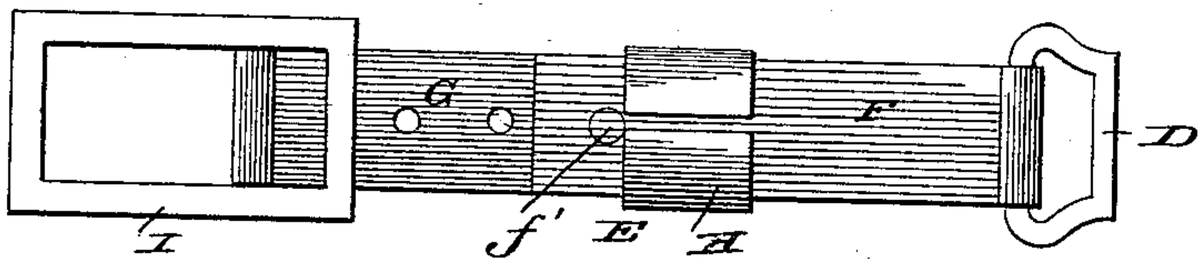
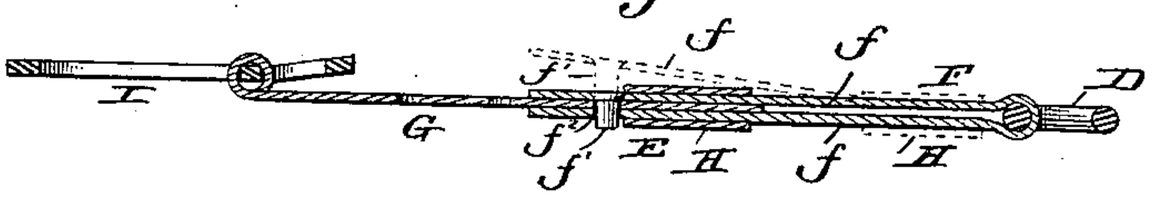


Fig. 3.



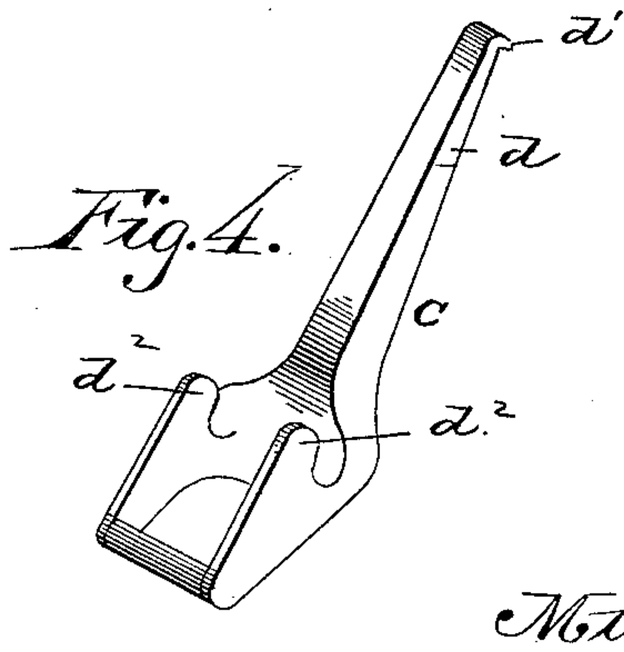


Fig. 4.

WITNESSES

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HAME-FASTENER.

SPECIFICATION forming part of Letters Patent No. 332,270, dated December 15, 1885.

Application filed September 30, 1885. Serial No. 178,649. (No model.)

To all whom it may concern:

Be it known that I, MURDOCK M. McKINNON, a citizen of the United States, residing at Laurinburg, in the county of Richmond and State of North Carolina, have invented a new and useful Improvement in Hame-Fasteners, of which the following is a specification, reference being had to the accompanying drawings.

This invention has relation to improvements in hame-fasteners; and the novelty consists in the construction, combination, and arrangement of the various parts for service, substantially as hereinafter fully set forth, and specifically pointed out in the claims.

My invention has for its object the provision of a hame-fastener which shall be capable of adjustment to fit collars or necks of varying sizes, which can be easily and quickly adjusted, which can be secured upon a collar by unskilled persons or attendants, which shall be capable of application to hames of any construction or class, and which shall combine simplicity, strength, and durability of construction with thorough effectiveness and ease of operation and cheapness of manufacture.

In the accompanying drawings, Figure 1 is a perspective view of a hame-fastener embodying my invention in position upon a hame. Fig. 2 is a plan view of the connecting-link detached from the hame. Fig. 3 is a vertical longitudinal sectional view on the line *x x* of Fig. 2. Fig. 4 is a detail perspective view of the securing or operating lever.

Like letters of reference denote corresponding parts in all the figures of the accompanying drawings, referring to which—

A A′ designate the hame-sections, which are of any preferred form or class, and connected together at their upper ends, as at *a*. Each section of the hame has a protecting strip or band, B, secured on its outer vertical edge and bent or lapped over the lower end thereof and secured thereto, so as to provide a bearing or support for the operating-lever C, and a loop, D, with the latter of which a connecting-link, E, is pivotally secured. The lever C is pivoted in the lower end of the hame-section A, and comprises a handle, *d*, having a nib or shoulder, *d′*, to engage a loop, *e*, pivoted in the hame-section A above the lower end thereof, said lever having two hooks, d^2, projecting from each side edge thereof, and arranged to lie on opposite edges or sides of the section A when the sections of the hame are locked together. The loop D is pivoted in the lower portion of the hame-section A′, and has the connecting-link E pivoted thereto.

The connecting-link E comprises two plates, F G, adjustably connected together and adapted to secure the lower ends of the hame-sections firmly and securely together. The link or plate F is bent upon itself to provide two arms, *f*, connected at their ends where they are secured to the loop D, and said arms are arranged a short distance apart and parallel with each other, between which arms *f* are arranged or fitted one end of the plate G. The arms *f* are made of elastic or spring metal, and are normally pressed or forced out of contact with the plate G. A sliding band, H, is arranged over the spring-arms to keep them in contact with the plate G, which is adjustably connected or secured to the arms *f*. One of the arms *f* carries a pin, *f′*, at its outer end, and the other arm has an opening or aperture, f^2, therein, through which the pin *f′* passes when the spring-arms *f* of the plate F are forced together by the sliding band H. The plate G is provided with a series of apertures, *g*, through one of which the pin *f′* passes to connect said plate to the arms of the plate F. The outer end of the plate G has a link or loop, I, pivotally connected thereto, and adapted to engage the hooks d^2 of the operating or securing lever C, to connect the hame-sections together.

The operation of my invention is obvious from the foregoing description, taken in connection with the drawings. To connect the two ends of the sections together, the free cross-bar of the link or loop I is fitted in or engaged with the hooks d^2 of the operating or securing lever C, which is then pressed or forced upwardly, so that it lies against the outer face of the section A when it is engaged by the pivoted loop *e*, thus firmly and securely locking the lower end of the sections together. To unfasten the sections, it is only necessary to disengage the loop *e* from the lever C and turn the same downwardly, thus permitting the loop I to become readily detached from the lever C.

The operation of fastening or releasing the lower ends of the hame-sections can thus be

easily and quickly accomplished, and by reason of the simplicity in construction and operation of the parts the device is adapted for use and can be operated successfully by unskilled persons or attendants. It is very strong and durable and can be manufactured and sold very cheaply. The device is applicable to all classes of hames, and is made to adjust the device to collars of varying sizes.

To lengthen or shorten the connecting-link E to accommodate the hame-sections to collars of different sizes, the perforated plate G is moved back and forth between the arms *f* of the plate F, the sliding band H being moved rearwardly so as to release the spring-arms from contact with the plate G to permit it to be adjusted to the required degree. The pin *f'* of one of the spring-arms is then fitted or passed through the desired hole or aperture in the plate G, and into the aperture f^2 of the opposite arm *f* of the plate F, and the sleeve H moved forward to depress the spring-arms and force them in close engagement with the plate G, the pin *f'* projecting beyond the lower surface in the arm of the plate F, and serving as a stop-pin to limit the forward movement of the sleeve H, which is thus prevented from becoming detached from the plate F, as will be readily understood.

Various slight changes in the form and proportion of parts and in the details of construction may be made without departing from the spirit or sacrificing the advantages of my invention, the essential features of which will be readily understood from the foregoing description, taken in connection with the drawings.

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

1. In combination with the hame-sections and the operating-lever pivoted to one of the sections, a connecting-link pivotally connected to one of the hame-sections and made in two sections, one of which comprises two arms, a perforated plate fitted between said arms, and a sliding sleeve fitted over the arms of the sectional link, substantially as described.

2. In a hame-fastening, and in combination with the hame-sections, a pivoted operating-lever, C, a pivoted loop, *e*, to engage said lever, a loop, D, pivoted to one of the hame-sections, a link, E, comprising a plate, F, having two spring-arms, having a stud and aperture, an apertured plate having a loop, I, and fitted between the spring-arms, and a sliding sleeve fitted over the spring-arms of the plate, all arranged and adapted to serve substantially as described.

3. The combination, with the hame-sections and an operating-lever, C, pivoted to one of the same, of a sectional connecting-link, E, pivoted to the other hame-section, one of the sections of said link having two clamping-arms, *f*, and the other section of the link adjustably held in position between the clamping-arms of its fellow section, substantially as described.

4. The combination, with the hame-sections and an operating-lever, C, pivoted to one of the sections, of a sectional connecting-link, E, pivotally connected to the free hame-section and detachably connected to the lever, one of the sections of said link having two spring-arms, *f*, and a sliding sleeve, H, fitted over the arms, and the other section of the link being adjustably clamped between the spring-arms and sleeve of its fellow section, substantially as described.

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

MURDOCK MILTON McKINNON.

Witnesses:
W. H. MURPHY,
JOHN M. CARMICHAEL.