

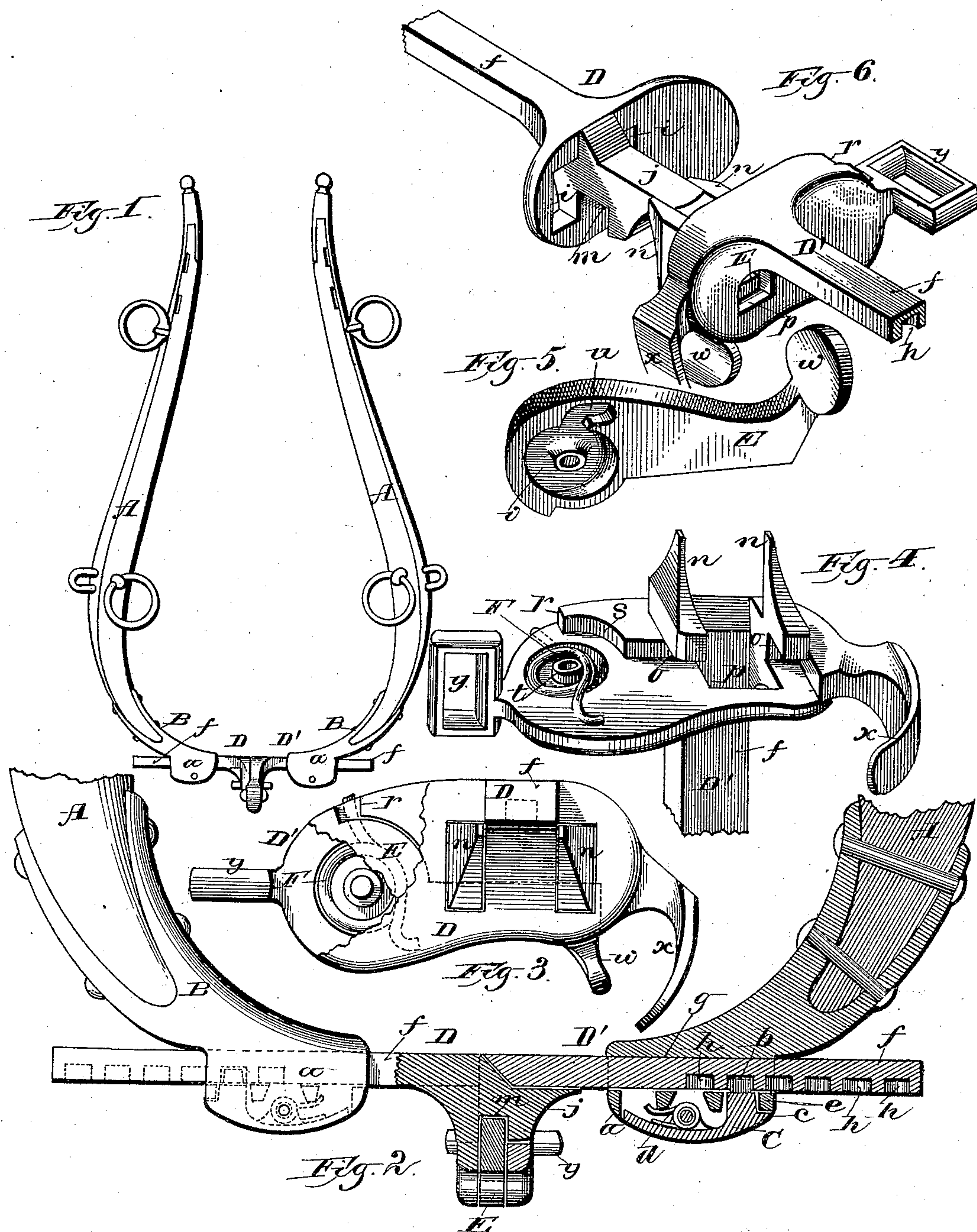
(No Model.)

B. M. JOHNSON.

HAME FASTENER.

No. 371,761.

Patented Oct. 18, 1887.



Witnesses:

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UNITED STATES PATENT OFFICE.

BERNT M. JOHNSON, OF RACINE, WISCONSIN.

HAME-FASTENER.

SPECIFICATION forming part of Letters Patent No. 371,761, dated October 18, 1887.

Application filed February 8, 1887. Serial No. 226,887. (No model.)

To all whom it may concern:

Be it known that I, BERNT M. JOHNSON, of Racine, in the county of Racine, and in the State of Wisconsin, have invented certain new and useful Improvements in Hame-Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to hame-fasteners; and it consists in certain peculiarities of construction and combination of parts, to be hereinafter described, with reference to the accompanying drawings, and subsequently claimed.

In the drawings, Figure 1 represents a pair of hames having my fastener applied thereto; Fig. 2, a front elevation of my fastener, partly in section, and showing its application; Fig. 3, a side elevation with one of the hames removed; Fig. 4, a detail perspective view of one section of my device; Fig. 5, a similar view of the latch-plate, and Fig. 6 a perspective view of the fastener-sections disconnected.

Referring by letter to the drawings, A represents the hames, having their lower ends secured in sockets B, each of the latter being provided with a depending housing, *a*, in which is pivotally secured a thumb-piece, C, having a vertical stud, *b*, and lip *c*. A spring, *d*, is arranged in each of the housings *a*, to exert its pressure against the corresponding thumb-piece, C, and thus automatically return the latter to its normal position after being pressed in by the operator, for the purpose to be hereinafter described, and the movement of said thumb-piece is limited by its lip coming against the adjacent wall *e* of said housing. My fastener is composed of two metallic sections, D D', each of which has a horizontal arm, *f*, that operates in a guide, *g*, forming part of the housing *a*, depending from the socket B, for the lower end of the adjacent hame.

Each of the arms *f* belonging to the fastener-sections D D' is provided with a series of perforations or recesses, *h*, to engage the stud *b* on the adjacent thumb-piece C, and by this means the hames may be readily adjusted to fit various sizes of collars.

The fastener-section D has its face provided with openings *i* and an ear, *j*, the latter having a cut-away portion or seat, *m*.

The fastener-section D' has its face provided with ears *n n*, cut away at *o* to form a seat, and said face also has an opening, *p*, between said ears, to engage the ear *j* of the fastener-section D.

A latch-plate, E, is pivotally connected to the face of the fastener-section D, and engages the cut-away portions or seats *m o o* of the ears *j n n* when both fastener-sections are united.

In order that the latch-plate E may be flush with the face of the fastener-section D', I offset this face, as best illustrated by Fig. 4, and seat said latch-plate therein, the point marked *r* on the flange *s*, formed by the offset, serving as a stop to limit the movement of said latch-plate.

A spring, F, is arranged on a stud, *t*, in the offset part of the fastener-section D', and fits the respective recesses *u v* in the under side of the latch-plate, as best shown by Fig. 5. The spring F serves to cause an automatic return of the latch-plate E to its normal position when the same has been lifted by its thumb-piece *w* to disunite the sections D D', and also after this latch-plate has been automatically raised during the operation of coupling said sections.

The face of the fastener-section D' is provided at its outer end with a guard, *x*, for the thumb-piece *w* on the latch-plate E, and at its inner end with an eye, *y*, for the martingale-strap of a harness.

The faces of the fastener-sections D D' are practically of the same construction as those described and claimed in my allowed application for patent for horse-collar fasteners, filed November 6, 1886, Serial No. 218,126, and have the same general operation in the present instance.

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

1. The hame-sockets provided with depending housings, in combination with two opposing locking-sections, each of which latter has a horizontal arm that adjustably engages an adjacent one of the housings, and means, substantially as described, for retaining the sockets in their adjusted position on said arms, as and for the purpose set forth.

2. The hame-sockets provided with depending housings, and thumb-latches arranged

within the housings, in combination with two opposing locking-sections, each of which latter has a horizontal arm that adjustably engages an adjacent one of said housings, and is provided with a series of seats to engage the latches, substantially as and for the purpose set forth.

3. In a hame-fastener, two sections having horizontal arms, and the faces of these sections provided with oppositely-arranged openings and recessed ears, and a latch-plate pivoted to one of the sections to engage the ears, in combination with hame-sockets detachably connected to said arms and adjustable thereon, substantially as and for the purpose set forth.

4. In a hame-fastener, two sections having horizontal arms, each provided with a series of perforations or seats, and the faces of these sections provided with oppositely-arranged openings and ears, the latter being cut away to form seats, a latch-plate pivotally connected to one of the sections to engage the seats in the ears, and a spring arranged to hold said latch-plate in its normal position, in combination

with hame-sockets having housings for the arms of the fastener-sections, and thumb latches arranged in these housings to engage the perforations or seats in said arms, substantially as and for the purpose set forth.

5. In a hame-fastener, two sections having horizontal arms, the faces of these sections provided with oppositely-arranged openings and ears, the latter being cut away to form seats, one of said sections having a guard at its outer end and an eye at its inner end, and a latch-plate to engage the seats in the ears, in combination with hame-sockets detachably connected to said arms and adjustable thereon, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Racine, in the county of Racine and State of Wisconsin, in the presence of two witnesses.

BERNT M. JOHNSON.

Witnesses:

JOSEPH MOON,
A. C. JUDD.