(No Model.)

F. M. GABLE.

HAME FASTENER.

No. 583,570. Patented June 1, 1897.

Witnesses
Milton O'Connell,
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Inventor
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UNITED STATES PATENT OFFICE.

FRANK M. GABLE, OF LANSING, KANSAS, ASSIGNOR OF ONE-THIRD TO W. M. FORTESCUE, OF LEAVENWORTH, KANSAS.

HAME-FASTENER.

SPECIFICATION forming part of Letters Patent No. 583,570, dated June 1, 1897.

Application filed June 17, 1896. Serial No. 595,884. (No model.)

To all whom it may concern:

Be it known that I, FRANK M. GABLE, a citizen of the United States, residing at Lansing, in the county of Leavenworth and State of Kansas, have invented a new and useful Hame-Fastener, of which the following is a specification.

This invention relates to hame-fasteners, and has for its object to provide for the ready attachment of the parts comprising the same, to insure ease in manipulation both when connecting and separating the device, and, lastly, to guard against accidental separation of the members when the fastener is in service.

Other objects and advantages are contemplated, and to a full understanding of the same reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a side elevation of the improved hame-fastener, showing the relative disposition of the parts prior to drawing the members together for tightening the hames. Fig. 2 is a view similar to Fig. 1, showing the parts in the position which they will occupy when the hames are tightened. Fig. 3 is a perspective view of the slotted and toothed member. Fig. 4 is a detail perspective view of the hook member. Fig. 5 is a detail perspective view of the lever.

Corresponding and like parts are referred to in the following description and indicated in the several views of the drawings by the same reference-characters.

The fastener comprises, essentially, three parts—members 1 and 2 and a lever 3. The member 1 comprises a hook 4 and parallel plates 5, formed with longitudinal slots 6 and a series of notches 7 along the upper edge of the slots to engage with and hold the lever 3 in an adjusted position. The hook 4 is adapted to receive the ring at the lower end of a hame, and a pin or screw 8 extends across the open side of the hook, so as to retain the hame in place after the parts are coupled.

The member 2 is formed at one end with a hook 9 to receive the lower end of the other hame, and the open side of the hook is closed by a pin or screw 10, so as to retain the parts in operative relation after being assembled, and this member is formed at its opposite end with a straight hook 11, having a bent terminal 12. A swinging loop or bail 13 is provided at the hooked end 9 and is adapted to operate over the said hook, so as to engage with the free end of the lever 3 and hold the latter in locked relation.

The lever 3 has a head 14 of approximately triangular form and is formed with lateral trunnions 15, which are adapted to operate in the slots 6 and notches 7, so as to hold the lever in an adjusted position. The trunnions 15 extend through the slots 6 and are formed at their outer ends with heads 16, which overlap the sides of the slots 6 and notches 7, so as to prevent spreading of the plates 5. The triangular-shaped head 14 approximates the form and snugly fits within the angle formed between the straight hook 11 and the body of the member 2, the part 11 bearing squarely against the end of the head 14 and the bent terminal 12 overlapping and entering a recess 17, provided at the extremity of the said head.

The members 1 and 2 are secured to the lower ends of the hames by means of the hooks 4 and 9 and the fastenings 8 and 10, and the member 2 is adapted to operate between the plates 5, and its hooked end 11 is engaged by the head 14 of the lever 3. When the lever 3 is turned so as to assume an approximately vertical position, the hooks 4 and 9 are separated, and upon bringing the free end of the lever 3 against the hook 9 the ends of the hames will be drawn together, as will be readily understood, and upon turning the loop or bail so as to engage over the outer end of the lever 3 the latter will be held in position against accidental displacement. The slots 6 and notches 7 admit of the fastener being applied to different-sized hames and of the latter being fitted to collars of different size. The headed trunnions secure the lever and

prevent spreading of the plates 5 and assist materially in preserving the shape of the fastener.

The head 14 of the lever 3 is made heavy and the outer portion as light as possible, and the end 11 of the member 2 is likewise made heavy, so that the combined weight of the parts 11 and 14 will counterbalance the outer portion of the lever 3 and prevent it from dropping should the fastener from any cause become loosened or be released from tension when in use. Thus it is possible to dispense with the bail 13 and yet prevent the outer end of the lever 3 from dropping.

Having thus described the invention, what is claimed as new is—

The herein-described hame-fastener, comprising a member having a hook and parallel plates, the latter formed with longitudinal slots and notches at one edge of the slots, a second member having a hook at its outer end and a straight hook at its inner end formed with a bent terminal, a lever having an approximately triangular-shaped head to engage with the straight hook and having a recess to receive the bent terminal, and formed with lateral trunnions which are headed at their outer ends to overlap the sides of the aforesaid longitudinal slots and notches, and a swinging loop or bail applied to the outer end of the hook member to engage with the free end of the lever, substantially as set forth for the purpose described.

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

FRANK M. GABLE.

Witnesses:
J. C. PETHERBRIDGE,
LUCIEN BAKER.