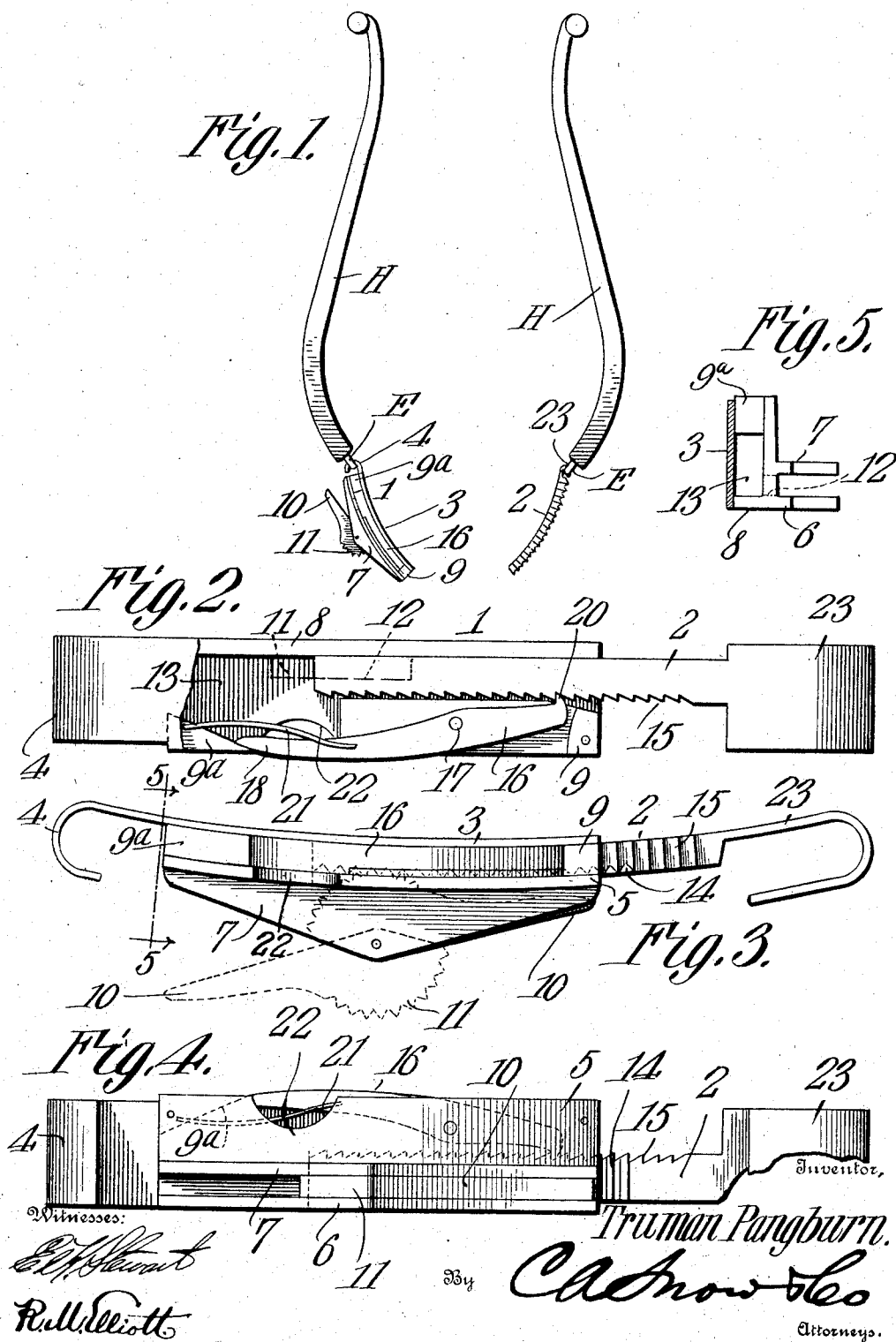


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PATENTED FEB. 11, 1908.

T. PANGBURN.
HAME FASTENER.
APPLICATION FILED OCT. 10, 1907.



UNITED STATES PATENT OFFICE.

TRUMAN PANGBURN, OF ALMA, NEW YORK.

HAME-FASTENER.

No. 878,557.

Specification of Letters Patent.

Patented Feb. 11, 1908.

Application filed October 10, 1907. Serial No. 396,814.

To all whom it may concern:

Be it known that I, TRUMAN PANGBURN, a citizen of the United States, residing at Alma, in the county of Allegany and State of New York, have invented a new and useful Hame-Fastener, of which the following is a specification.

This invention relates to hame fasteners.

The object of the invention is to provide a novel and thoroughly efficient hame fastener that may be readily connected with and disconnected from the hames, and in which the hames may be firmly clamped about the collar and secured against danger of accidental separation therefrom.

With the above and other objects in view as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a hame fastener as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like characters of reference indicate corresponding parts: Figure 1 is a view in elevation of a pair of hames showing an improved fastener, constituting the present invention applied thereto. Fig. 2 is a top plan view partly in section. Fig. 3 is an edge view. Fig. 4 is a bottom plan view. Fig. 5 is an end view partly in section of the sheath.

Referring to the drawings, H designates a pair of hames, of the usual or any preferred construction, the lower ends of which carry loops or eyes E to be engaged by the members of the hame fastener.

The hame fastener, shown in detail in Figs. 2, 3 and 4, comprises a sheath or body, designated generally 1, and a rack bar 2 to coact with locking mechanism in the sheath to hold the hames positioned upon the collar.

The sheath comprises a back plate 3, which, as shown in Fig. 3 is longitudinally bowed or curved to conform to the contour of the collar, and is provided at one end with a hook 4 to engage the eye of one of the hame members. Secured to the back plate, and properly spaced therefrom, is a front plate 5 provided adjacent to one edge with a pair of longitudinally disposed ribs 6 and 7, forming keepers which, as shown in Fig. 3, are commensurate in length with the plate and are approximately triangular in form, although this latter feature is not absolutely essential. The front and back plates are held positively spaced apart along one edge

by a flange 8 forming a continuation of the keeper 6 and along the other edge by spacers 9 and 9^a, which latter may be integral either with the back plate or with the front plate, as may be preferred. Pivoted between the keepers 6 and 7 is a tensioning lever comprising an arm 10 and a segmental toothed head 11 which latter is adapted to project through a slot 12 indicated by dotted lines in Fig. 2, that is formed in the front plate between the keepers 6 and 7.

The space between the spacers 9 and 9^a and flange 8 defines a longitudinal channel 13 in which the rack bar 2 is adapted to be housed. This rack bar, as clearly shown in Fig. 3, is longitudinally bowed or curved to correspond to the curvature of the sheath and is provided with two sets of ratchet teeth 14 and 15, the former of which are adapted to be engaged by the teeth on the head of the tensioning lever, and the latter by a dog 16, pivoted at 17 between the front and back plates, as clearly shown in Fig. 3. This dog is somewhat greater in length than the distances between the spacers 9 and 9^a and its free end 18 is adapted to engage with the spacer 9^a, whereby, to limit the outward movement of the dog relatively to the sheath. In order to cause the toe 20 of the dog to interlock with the ratchet teeth 15, a leaf spring 21 is provided, one end of which is seated in a kerf in the dog, and the other end in a kerf in the spacer 9^a. Adjacent to the free end 18 of the dog, the back plate is provided with a thumb notch 22 by which to permit free depression of the dog to throw its toe out of engagement with the ratchet teeth 15. The outer end of the rack bar is provided with a hook 23 to engage one of the eyes E of the hames.

It will be observed by reference to Fig. 4, that the two sets of ratchet teeth 14 and 15 are disposed at right angles to each other, and this arrangement will facilitate an independent manipulation of the dog and of the tensioning lever without one interfering with the other.

In the use of the fastener, when its members have been properly assembled with the hames, the rack bar is inserted within the channel 13 and the hame members are then drawn as tightly together as possible by manual strength. The tensioning lever is then operated and will result in exerting such longitudinal draft upon the rack bar as to cause it to be forced one inch further within

the channel, and this will result in imparting the requisite draft upon the hames to cause them to remain positively assembled with the collar.

5 When it is desired to detach the hames it will only be necessary to press the free end 18 of the dog, whereupon the toe 20 will be freed from engagement with the ratchet teeth 15, and upon outward draft being applied to 10 the hame member carrying the rack bar 2, the tensioning lever will be thrown to the position shown in Fig. 1, whereupon the two hame-fastening members may readily be disconnected.

15 It will be seen from the foregoing description that although the improvements herein defined are simple in character that they will be thoroughly efficient for the purpose designed and will be positive in retaining the 20 hame members in locked relation.

Having thus fully described the invention what is claimed as new and is desired to be secured by Letters-Patent is:—

1. A hame fastener comprising a sheath, a 25 double toothed rack bar longitudinally movable within the sheath, a locking dog for

engaging one set of teeth of the rack bar, and a tensioning lever for engaging the other set of teeth.

2. A hame fastener comprising a sheath 30 provided with a longitudinal channel, a double toothed rack bar movable within the channel, and a locking dog and a tensioning lever to coact with the two sets of teeth of the rack bar. 35

3. A hame fastener comprising a sheath embodying a front and a back plate properly spaced apart, spaced keepers carried by the back plate, a tensioning lever pivoted between 40 the keepers and having a toothed segmental head projecting through the back plate, a dog pivotally mounted between the plates, and a double-toothed rack bar movable between the plates and adapted to be engaged 45 by the dog and by the tensioning lever.

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

TRUMAN PANGBURN.

Witnesses:

FREDERIC H. CHURCH,
JESSE L. GRANTIER.