(No Model.)

J. E. BULL.

HAME.

No. 420,433. Patented Feb. 4, 1890.

Fig. 1.

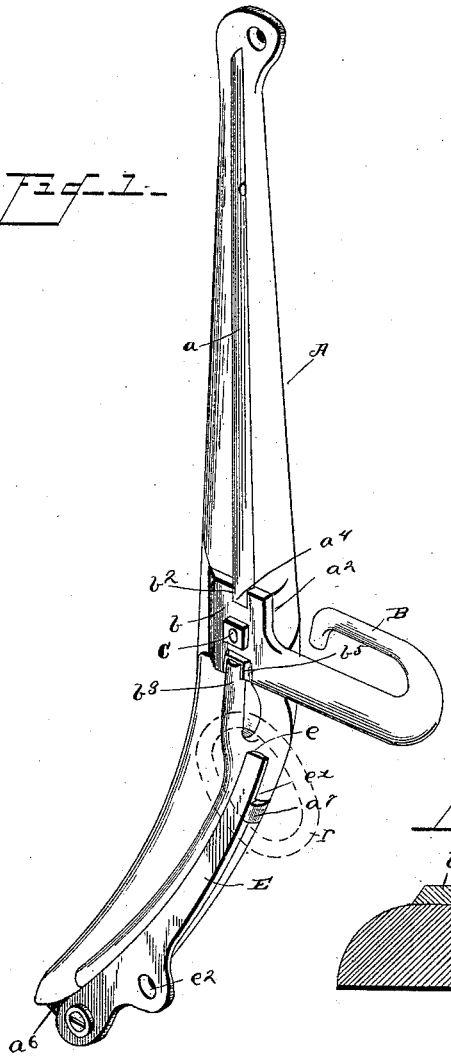


Fig. 2.

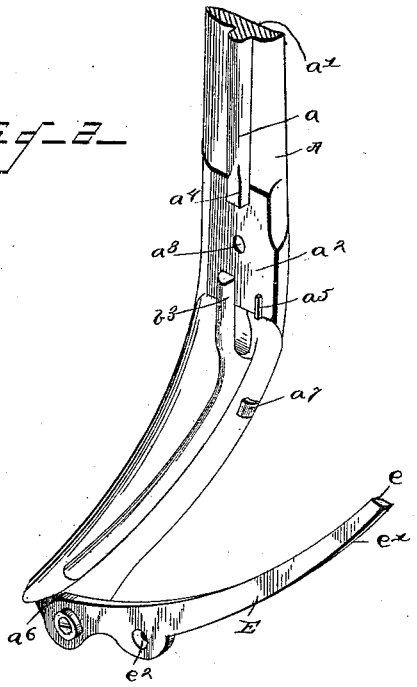


Fig. 3.

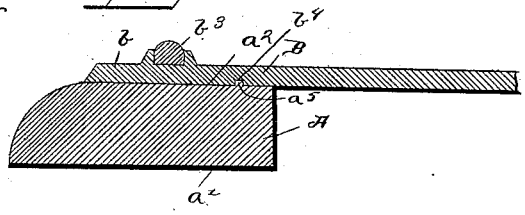
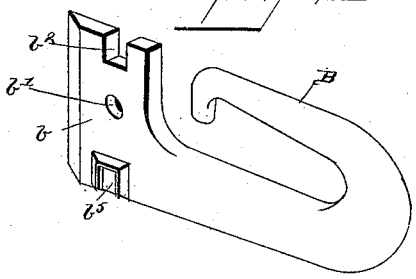


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES EVERETT BULL, OF TRACY CITY, TENNESSEE, ASSIGNOR OF THREE-FOURTHS TO E. O. NUTHURST, W. N. BYUS, AND E. E. BULL, OF SAME PLACE.

HAME.

SPECIFICATION forming part of Letters Patent No. 420,433, dated February 4, 1890.

Application filed October 30, 1889. Serial No. 328,694. (No model.)

To all whom it may concern:

Be it known that I, JAMES EVERETT BULL, a citizen of the United States, residing at Tracy City, in the county of Grundy and State of Tennessee, have invented a new and useful Hame, of which the following is a specification.

The invention relates to improvements in hames.

The object of the present invention is to provide a hame of simple and inexpensive construction, that will possess great strength, durability, and lightness, and will lie flat against a collar and not wear the latter.

Furthermore, the object of the present invention is to provide a hame from which the hame hook and ring may readily be removed and be replaced when they have become worn and broken, and, furthermore, to provide a hame in which the fastener will closely conform to the lower curved end of the hame and not be liable to become accidentally loosened.

The invention consists in the construction and novel combination and arrangement of parts, hereinafter described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the accompanying drawings, Figure 1 is a perspective view of a hame constructed in accordance with the invention, showing the lever closed and conforming to the lower curved end of a hame. Fig. 2 is a similar view of the lower half of the hame, the hame hook and ring being removed and the lever being shown slightly open. Fig. 3 is a transverse sectional view. Fig. 4 is a detail view of the hame-hook.

Referring to the accompanying drawings by letter, A designates a hame, constructed of suitable metal, preferably malleable iron, and provided with a central longitudinal ridge *a*, which makes the hame T-shaped in cross-section, whereby an exceedingly light hame may be employed and will at the same time possess the requisite strength and durability.

The back *a'* of the hame is flat and will lie against a collar without sensibly wearing the same. The hame is provided at a suitable distance from its lower end with a flat portion a^2, where the hame is thickened nearly its entire width and the ridge *a* terminates, and against this flat portion a^2 fits the rear end or plate *b* of the hame-hook B, and is secured thereto by a central bolt or rivet C, which passes through a perforation *b'* of the hook and a registering-perforation a^3 of the hame. It is preferable to employ a bolt, and the head is countersunk in the back *a'* of the hame, and the nut is arranged upon the outer face of the hame-hook and is readily accessible and may be quickly removed to permit the hame-hook to be separated from the hame. The ridge *a* is provided with a square shoulder a^4 where it terminates at the top of the flat portion a^2 of the hame, and the hame-hook B is provided at the upper edge of its rear end or plate with a rectangular notch b^2, which receives the square shoulder and prevents the hame-hook turning on its central rivet or bolt, and the said ridge *a*, a short distance below the flattened portion a^2, forms a projection b^3, which leaves the hame and extends upward parallel therewith, and the space or opening between the projection and the hame is adapted for the reception of a ring D. The projection b^3 extends forward and laps over and rests upon the top of the plate *b* of the hame-hook, and the plate is provided with an approximately U-shaped flange, which extends around the front of the projection b^3 and provides a recess b^5 to receive the said projection and prevent the hame-hook turning on the central rivet or bolt. By this construction the space between the projection b^3 and the hame A is closed, and the ring D is securely retained in place; but when the hame-hook is removed by loosening the nut of the central bolt the ring also may be removed. Further, to prevent the hame-hook moving upon the flattened portion of the hame, the hook is provided in its lower face, near the edge thereof, with a notch b^4, which is engaged by a lug a^5, projecting from the flattened portion of the hame. These improvements—viz., the attachment of the hame-hook and the ring—are shown and applied to a metal hame, but they

are equally applicable to a wooden hame or a hame constructed of metal and wood.

The lower end of the hame is provided with a lateral flange a^6, to which is pivoted a lever E, which is curved and conforms closely to the configuration of the lower end of the hame and is adapted to lie snugly against the ridge a and that portion of the hame lying beyond the ridge, and to lie nearly its entire length within the outer edge of the hame, whereby it is less liable to become accidently displaced. The inner edge e is rounded in order to conform more closely to the hame, and the upper end e' is engaged and held in place by a lug a^7 of the hame, and is reduced in thickness above the lug in order to make the end stand away from the hame and enable it to be readily grasped by the fingers when it is desired to bring the lever out of engagement with the lug a^7. The lever E is provided near its lower end with a circular opening e^2, which is designed to receive a chain to be engaged by a hook swiveled to the opposite hame and to fasten the hame, as will be well understood.

Having thus described my invention, what I claim is—

1. A T-shaped hame provided with a projection b^3 lying parallel with it and extending out from the same and adapted to receive a ring in the space between it and the hame, and a hame-hook secured to the hame and closing said space, substantially as described.

2. The combination of a hame provided with a flattened portion and having a projection b^3 arranged parallel with the hame and forming a space adapted to receive a ring, and a hame-hook provided at its rear end with a plate having a recess to receive the projection b^3 and adapted to close the space between the projection and the hame and confine a ring in said space, substantially as described.

3. The combination of the T-shaped hame having the longitudinal ridge a and the flattened portion a^2, said ridge terminating above the flattened portion and forming a square shoulder and terminating below the flattened portion in a projection b^3, extending parallel with a hame and forming a space or opening adapted to receive a ring, and the hame-hook having at its rear end a plate provided with a rectangular notch to receive the square shoulder, and a recess to receive the projection and adapted to close the space formed by the projection and retain a ring, substantially as described.

4. The combination of the T-shaped hame having a longitudinal ridge a and a flattened portion a^2, said ridge terminating above the flattened portion and forming a square shoulder and terminating below the flattened portion in a projection b^3, extending parallel with a hame and providing an opening or space adapted for the reception of a ring, the lug a^5, and the hame-hook provided at its rear end with a plate having at its upper edge a rectangular notch to receive the square shoulder, and at its lower edge a recess to receive the projection b^3, and provided in its lower face with a notch b^4, adapted to be engaged by the lug a^5, said plate closing the space between the projection b^3 and the hame and confining a ring, substantially as described.

5. The combination of a T-shaped hame having its lower end curved and provided with a lateral flange a^6, and having a suitable distance from its lower end a lug a^7, and the curved lever pivoted to the lateral flange and conforming closely to the configuration of the hame and lying snugly against the ridge and being nearly its entire length within the outer edge of the hame, said lever being adapted to engage the lug a^7 and to carry a chain, substantially as and for the purpose described.

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

JAMES EVERETT BULL.

Witnesses:
W. N. BYUS,
J. C. RODDY.