

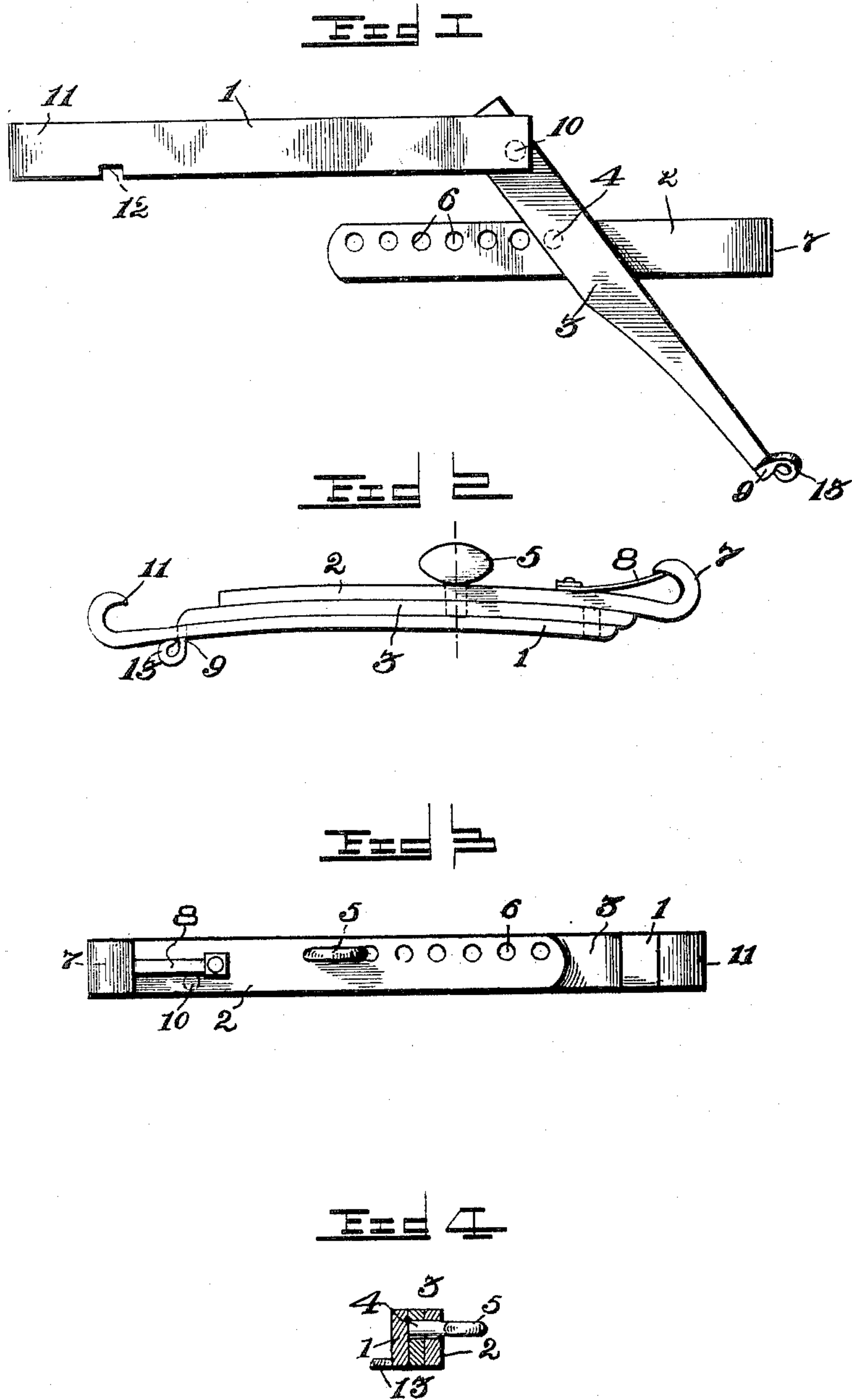
No. 640,236.

Patented Jan. 2, 1900.

J. S. SPURGEON.
HAME FASTENER.

(Application filed Aug. 17, 1898.)

(No Model.)



Witnesses

John Maupin
Chapard

By *his* Attorneys,

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UNITED STATES PATENT OFFICE.

JAMES S. SPURGEON, OF HENRY COUNTY, KENTUCKY.

HAME-FASTENER.

SPECIFICATION forming part of Letters Patent No. 640,236, dated January 2, 1900.

Application filed August 17, 1898. Serial No. 688,831. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. SPURGEON, a citizen of the United States, residing in the county of Henry and State of Kentucky, have
5 invented a new and useful Hame-Fastener, of which the following is a specification.

This invention relates to hame-fasteners of that class embodying a toggle-lever; and the object of the present invention is to provide
10 an improved device having the parts adjustably connected together, whereby the fastener may be fitted to hames of different sizes.

To this end the present invention consists in the combination and arrangement of parts,
15 as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claim.

In the drawings, Figure 1 is an elevation of the device in open position. Fig. 2 is a top
20 edge view thereof in closed position. Fig. 3 is an elevation of Fig. 2. Fig. 4 is a transverse sectional view on the line $x x$, Fig. 2.

The same numerals of reference are used
25 to indicate like and corresponding parts in each of the several figures of the drawings.

Referring to the accompanying drawings, the present device embodies opposite links 1 and 2 and an intermediate connecting toggle-lever 3, all formed of flat metal plates of suitable size. The lever 3 is pivoted intermediate of its ends, nearer one longitudinal edge than the other, to the link member 2 upon a removable pivot-pin 4, having a transversely-disposed head or thumb-piece 5. A plurality
35 of openings 6 are formed through the link 2 near its upper edge, whereby the lever may be adjusted longitudinally upon the link. At one end the link is bent into a hook 7, projected at the outer side of the link opposite
40 the lever 3. A suitable leaf-spring 8 is fastened to the link, having its free end engaged against the inner side of the end of the hook to provide a convenient snap-hook for connecting the link with one end of a hame. The
45 free end of the lever is provided with a lug 9, extending transversely outward from the lever and away from the link 2 and providing a latch for the lever, as will be hereinafter
50 fully described. The other link 1 is pivoted, as at 10, to one end of the lever, opposite the lug end thereof and upon that side opposite

the link 2. This pivotal point 10 is located near one end and near the lower longitudinal edge of the link and to one side of the longitudinal axis of the lever, opposite the pivot-pin 4. The outer free end of the link is formed into a hook 11, projected at the inner side of the link and located upon the same side of the device as is the hook 7, and may be provided with a spring, as described, for the other hook, as desired. Near the outer end of the link and in the under longitudinal edge thereof is provided a notch 12, adapted to receive the lug 9 of the toggle-lever and lock the device when in fastened position.

In the operation of the device the lever 3 is thrown into a position transversely of the link members, which separates the links and moves them longitudinally apart. The hooks 7 and 11 are then engaged with the respective movable ends of the hames, and by throwing the free end of the lever around toward the link 1 both links are drawn together by reason of their toggle connection, and the hames are tightened, as will be understood. When the device is being tightened, the toggle-lever is thrown around until its lug 9 engages with the notch 12 of the lower edge of the link 1, whereby the parts of the device are effectively locked against accidental loosening.

By reference to Fig. 2 it will be noted that the pivot-points 4 and 10, respectively, are located upon opposite sides of the longitudinal axis of the fastener, whereby the tension tends to throw the free or lug end of the toggle-lever upward; but as the lug 9 is situated within the notch 12 it will be apparent that the lever cannot be moved in this direction, and therefore the tension upon the device acts to lock the lever in a simple and effective manner.

To fit the fastener to hames of different sizes, it is simply necessary to engage the removable pivot-pin 4 with any desired one of the openings 6 in the link 2, whereby the longitudinal throw of the link members is adjusted, as will be understood.

In order that the toggle-lever may be readily disengaged from the notch 12, the outer end of the lug 9 is enlarged, as at 13, and adapted to project beyond the opposite face of the link member 1, and thereby provides

a convenient thumb-piece for disengaging the lever.

By reason of the combination of parts of the present invention a simple and improved
5 hame-fastener is provided which may be conveniently and effectively adjusted to fit hames of different sizes and may be effectively locked in its fastened position and also arranged for convenient disengagement of the operating-
10 lever from its locked position.

What I claim is—

A hame-fastener comprising the link 1 provided at its outer end with a hook and having the notch 12 located at its lower edge and
15 arranged adjacent to the hook, the link 2 provided at its outer end with a hook, and a locking-lever fulcrumed on the inner end of the link 1 and adjustably connected at its inter-

mediate portion on the inner portion of the link 2, and provided at its free end with a lug 20 or projection 9 extending outward at an angle to form a handle or thumb-piece, and arranged to engage the notch 12, said locking-lever operating in a plane between the links, whereby the lug or projection is adapted, 25 when in engagement with the notch 12, to extend across the link 1 so that the handle or thumb-piece will lie beyond the device and be in a position to be readily grasped by the operator, substantially as and for the pur- 30 pose described.

JAMES S. SPURGEON.

Witnesses:

MILTON H. FERGUSON,
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