

No. 633,256.

Patented Sept. 19, 1899.

I. ABELL.
HAME FASTENER.

(Application filed Mar. 27, 1899.)

(No Model.)

FIG. 1

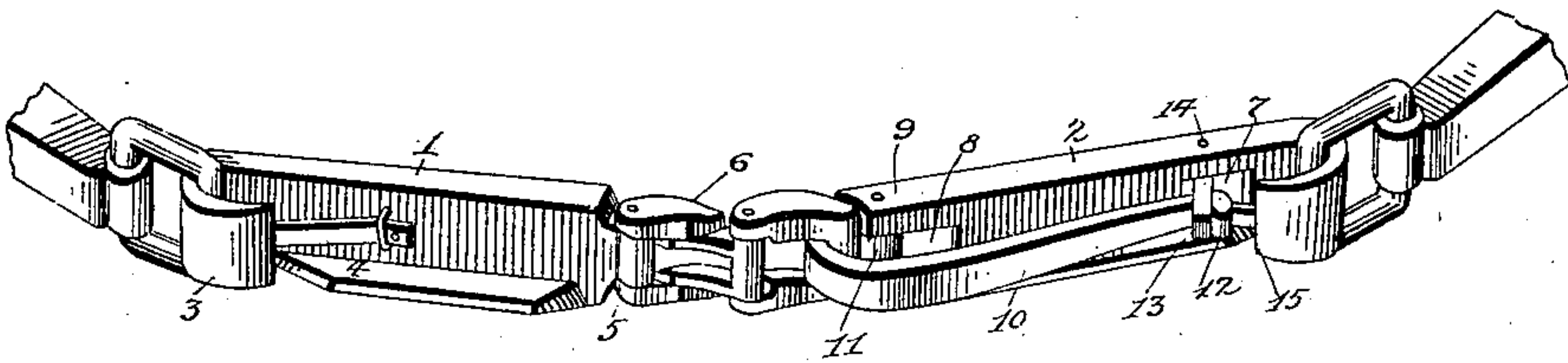


FIG. 2

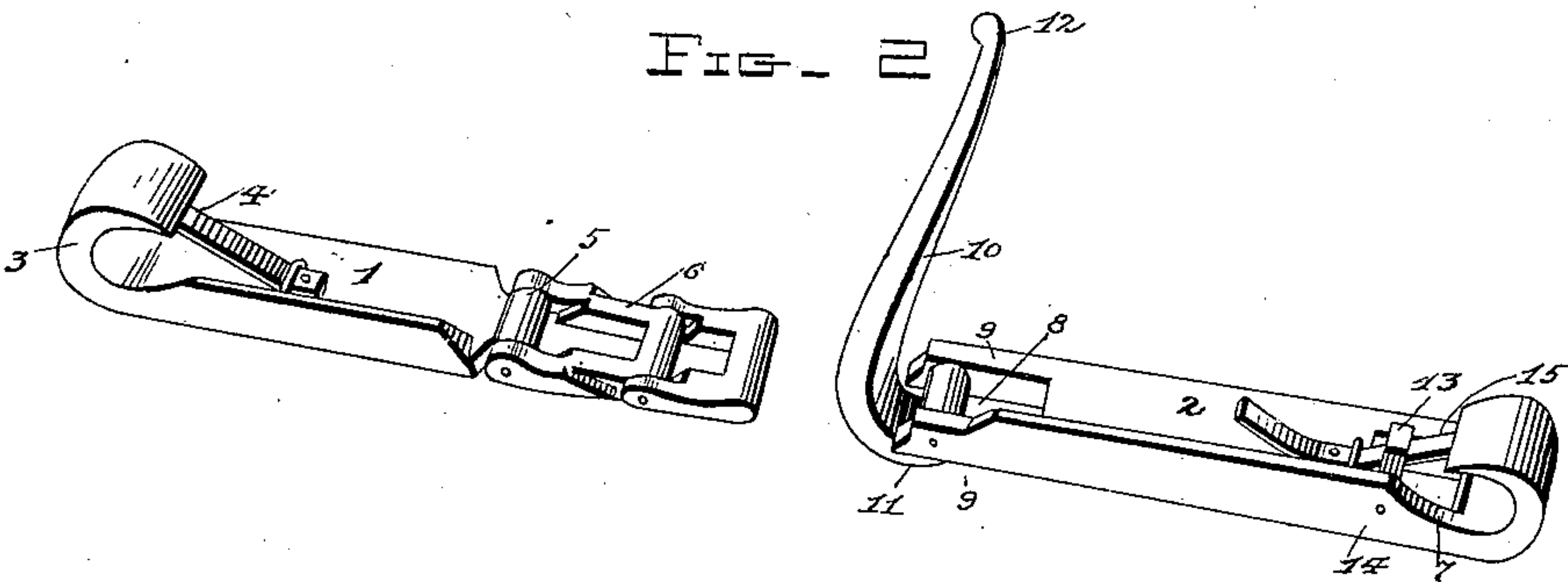
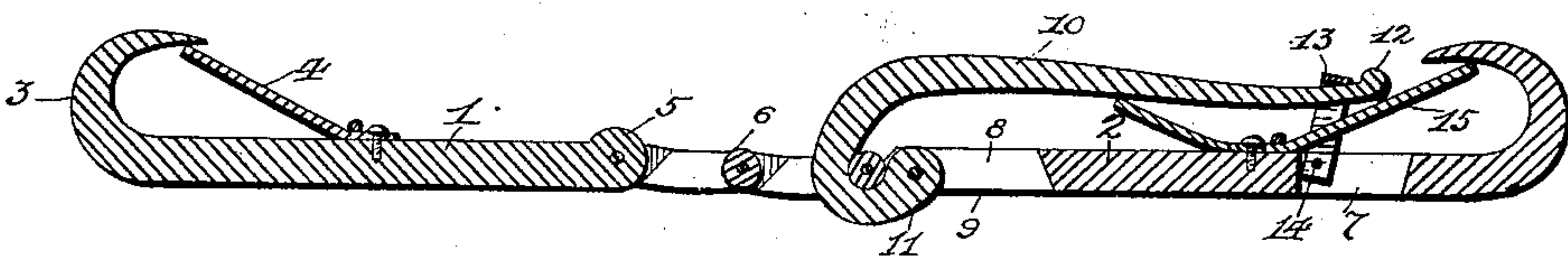


FIG. 3



Witnesses

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UNITED STATES PATENT OFFICE.

IRVING ABELL, OF OTISCO, MINNESOTA.

HAME-FASTENER.

SPECIFICATION forming part of Letters Patent No. 633,256, dated September 19, 1899.

Application filed March 27, 1899. Serial No. 710,648. (No model.)

To all whom it may concern:

Be it known that I, IRVING ABELL, a citizen of the United States, residing in the township of Otisco, in the county of Waseca and State of Minnesota, have invented certain new and useful Improvements in Hame-Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention has relation to hame-fasteners; and the object is to simplify the construction, reduce the cost of manufacture, and to provide a device of this character by means of which the hames, after they have once been fastened around the collar of the animal, cannot become accidentally disengaged from the eye of the hames, and, finally, to provide a fastener which may be easily and quickly operated.

With these objects in view the invention consists in certain features of construction and combination of parts, which will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my invention applied to the lower ends of a pair of hames. Fig. 2 is a detail perspective view, on an enlarged scale, of the fastener removed, the parts being shown separated; and Fig. 3 is a longitudinal sectional view of the fastener, the parts being connected.

In the drawings, 1 and 2 denote two of the members of the fastener, the former having at one end a hook 3, provided with a spring-tongue 4, and at its other end a lug 5, to which is attached a short chain 6. The member 2 has a hook at its outer end and is formed immediately at one side of the hook with an aperture 7 and at the inner end with a slot 8 to form the parallel arms 9.

10 denotes a lever, the curved end 11 of which is pivoted between the arms 9 and the forward end of which is provided with a stop-shoulder 12.

13 denotes the bail, the arms of which are pivoted in the opening 7 by a transverse pivot 14, and is adapted to be swung over the free end of the lever and engage the stop thereof.

15 denotes a curved spring, which is secured to the body 2 and has its outer end projecting

through the bail and engaging the hook at the outer end of the member 2, thus forming a spring-tongue. The inner end of this spring projects upwardly against the upper side of the lever and forces the free end of the lever downward, thus holding it into firm engagement with the bail, and thereby preventing the latter from becoming accidentally disengaged from the end of the lever by jarring or the parts brushing in contact with objects. It will thus be seen that the spring subserves a double function.

The mode of fastening the lever to the chain is apparent. Thus an explanation of the same is not thought necessary.

The main feature of the invention resides in the means for holding the free end of the lever in engagement with the bail, so that the free end will not become disengaged therefrom.

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

The combination with two members having hooks at their outer ends adapted to engage the eyes at the lower ends of a pair of hames, one of said members having its inner end provided with a chain, and the other member being provided with a pivoted curved lever having its free end formed with a stop-shoulder, a bail pivoted to this member on a transverse pivot and adapted to engage the free end of the lever, and a spring secured to said member and having one end projecting through the bail and curved downward into engagement with the hook to form a spring-tongue, and having its other end curved downward and engaging the upper side of the lever to force said lever into firm engagement with the bail, and thereby prevent the bail from accidentally becoming disengaged from the end of said lever, substantially as set forth for the purpose described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

IRVING ABELL.

Witnesses:

P. J. MCLOONE,
AUG. MINSKE.