

No. 797,941.

PATENTED AUG. 22, 1905.

T. E. CORBETT.
HOOK.

APPLICATION FILED MAY 20, 1905.

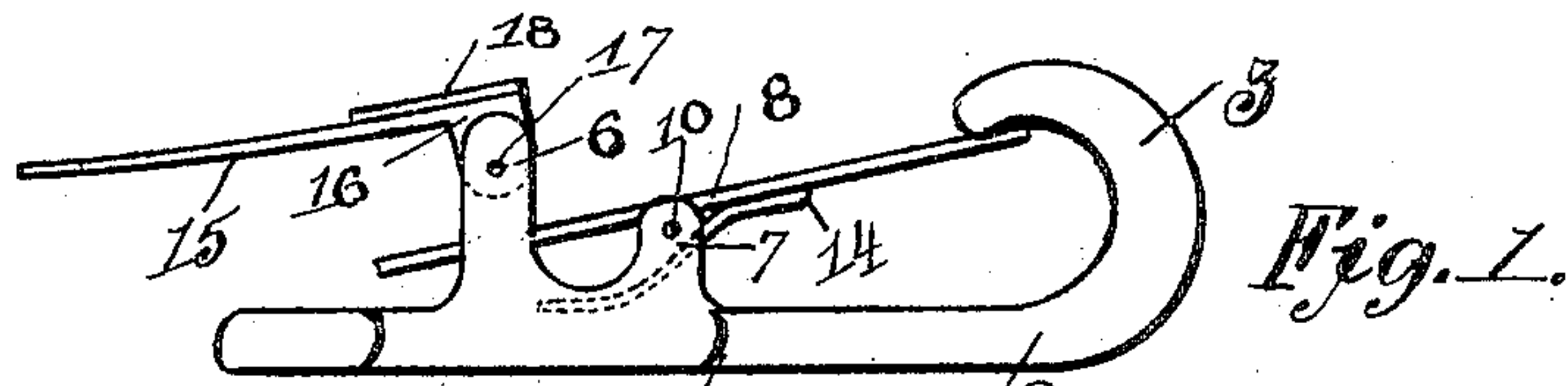


Fig. 1.

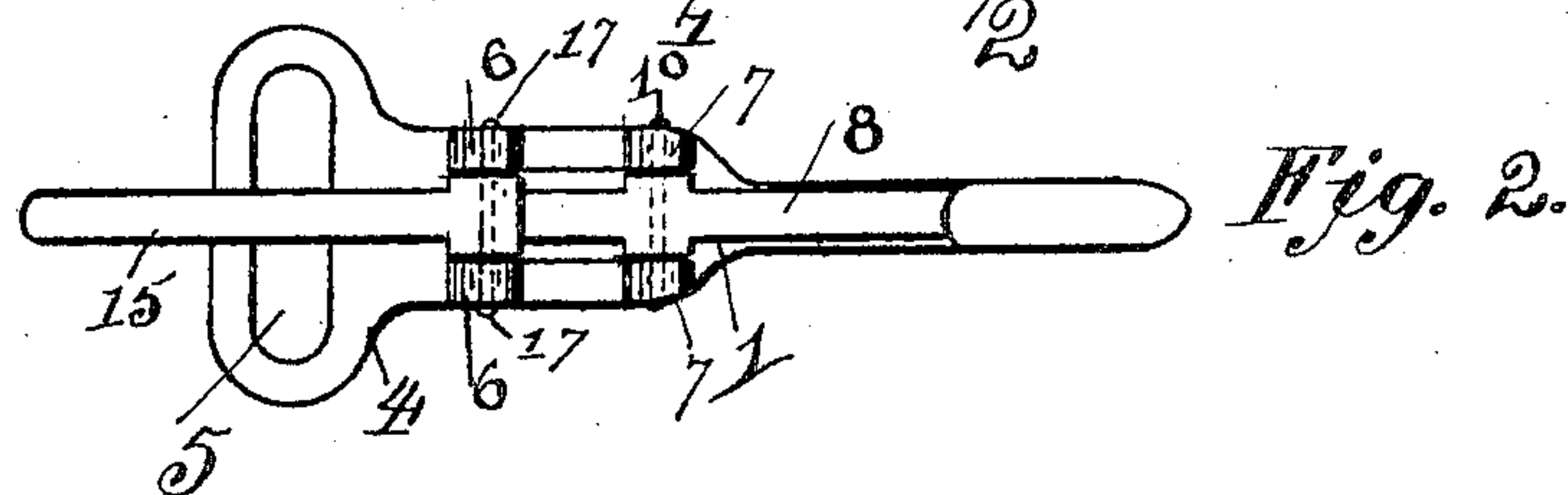


Fig. 2.

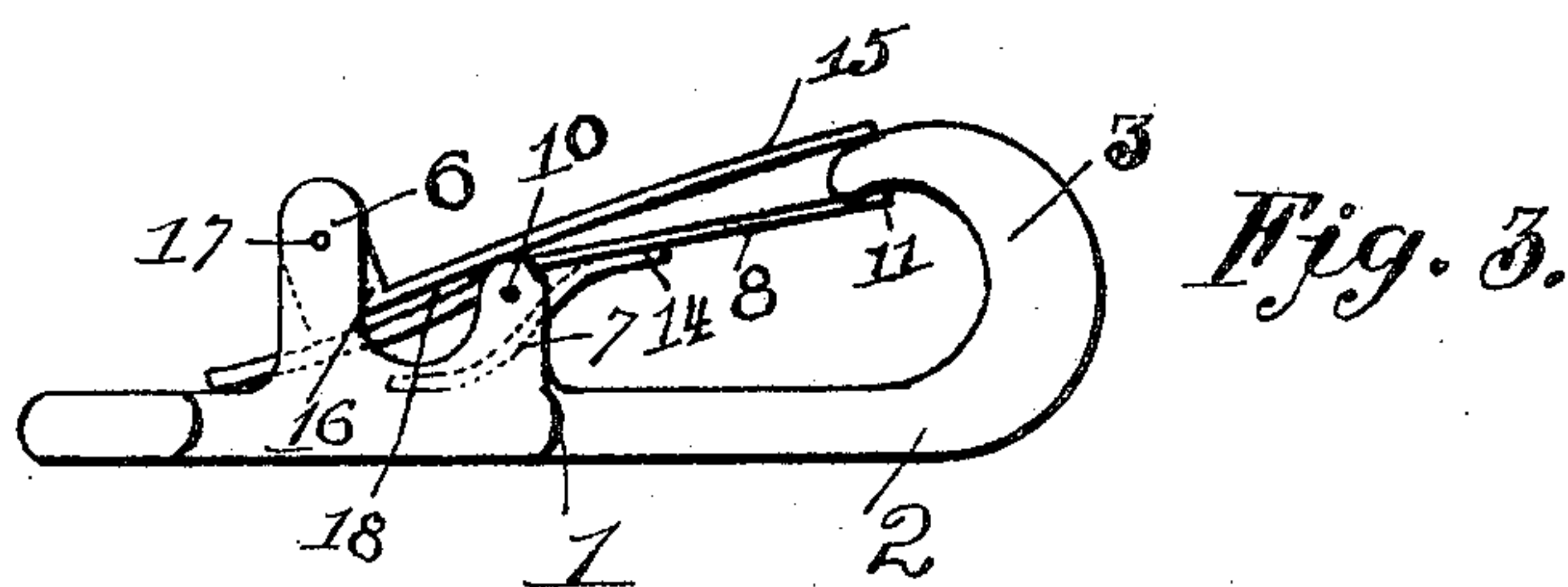


Fig. 3.

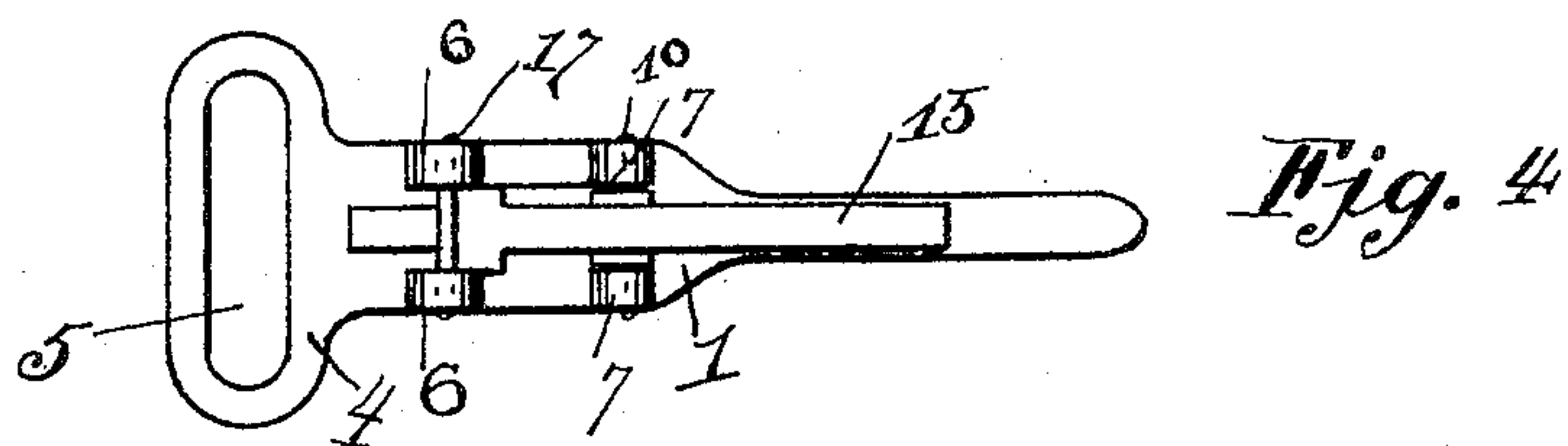


Fig. 4.

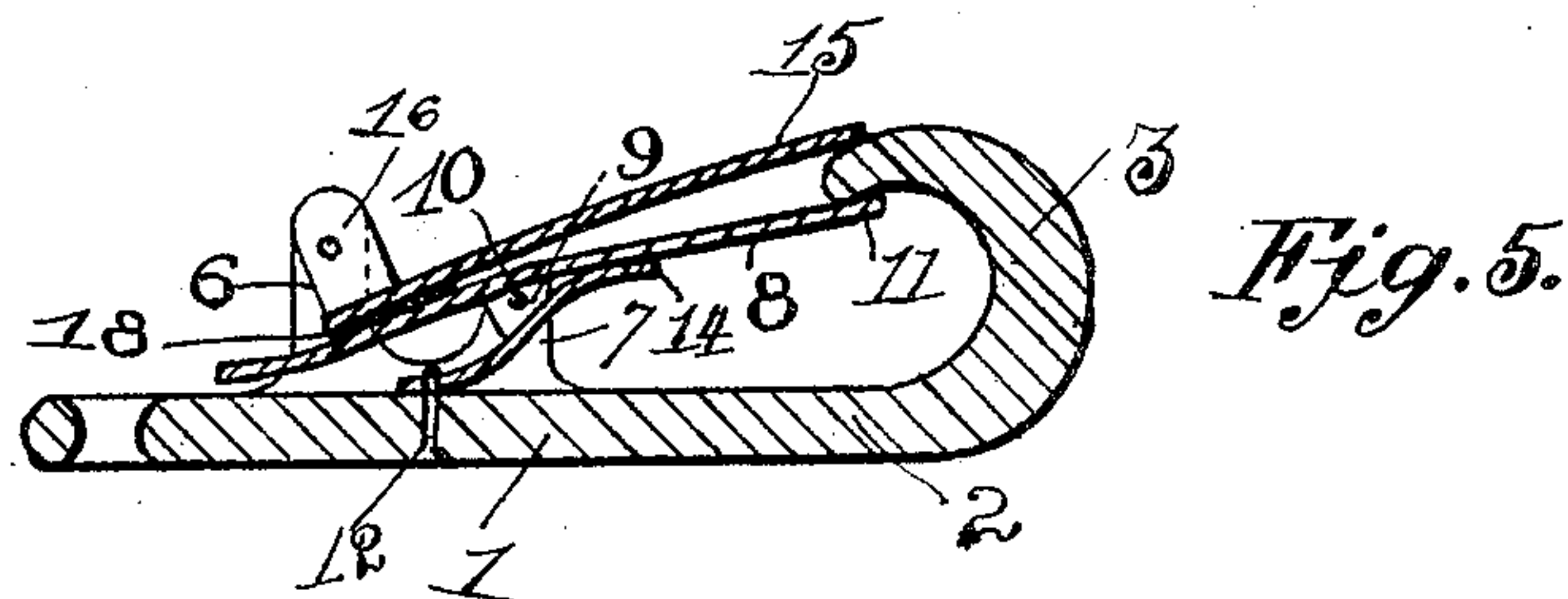


Fig. 5.

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UNITED STATES PATENT OFFICE.

THOMAS E. CORBETT, OF PITTSBURG, PENNSYLVANIA.

HOOK.

No. 797,941.

Specification of Letters Patent.

Patented Aug. 22, 1905.

Application filed May 20, 1905. Serial No. 261,353.

To all whom it may concern:

Be it known that I, THOMAS E. CORBETT, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Hooks, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in hooks, and relates to that class of hooks commonly known as "snap-hooks."

My invention aims to provide a hook of the above class wherein reliable and positive means are employed for locking the spring-actuated latch of the snap-hook in a closed position whereby a link or member retained in said snap-hook cannot become disengaged therefrom.

The invention also has for its object to provide a novel form of snap-hook particularly adapted for use in connection with harness and in places where it is desired to quickly connect two members together.

A further object of the invention is to provide a snap-hook which will be extremely simple in construction, strong and durable, comparatively inexpensive to manufacture, and highly efficient in operation.

With the above and other objects in view the invention consists in the novel construction, combination, and arrangement of parts, which will be hereinafter more fully described and then specifically pointed out in the claims, and, referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of my improved snap-hook. Fig. 2 is a top plan view of the same. Fig. 3 is a side elevation of the snap-hook, illustrating the latch thereof in a locked position. Fig. 4 is a top plan view of the same; and Fig. 5 is a longitudinal sectional view of the snap-hook, illustrating the latch thereof in a locked position.

To put my invention into practice, I preferably construct the hook and its appurtenant parts of strong and durable metal, such as malleable iron or steel. The hook consists of a body portion 1, having a contracted end 2, that is bent into a substantially hook-shaped form, as indicated at 3. The opposite end of the body portion 1 is enlarged, as indicated at 4, and provided with an oblong opening 5,

arranged transversely of the body portion, this end of the body portion conforming substantially to a link. The sides of the body portion are provided with upwardly-extending pierced lugs 6 6 and 7 7. Between the lugs 7 7 is pivotally mounted a latch 8, having depending pierced lugs 9 9, through which a pin 10 passes in order to retain the latch between the lugs 7 7. The forward end 11 of the latch is adapted to engage the hook-shaped end 3 of the body portion, while the opposite end of the latch extends rearwardly between the lugs 6 6. Secured centrally of the body portion 1 by suitable means, such as a rivet 12, is a resilient curved piece of metal 14, which serves functionally as a spring, the upper end of said piece of metal engaging the underneath face of the latch 8. This piece of metal, which will be hereinafter termed a "spring," serves to normally hold the latch in engagement with the hook-shaped end of the body portion 1 and retain a link or member within the hook-shaped end until released by the depression of the latch 8.

To insure a positive engagement of the latch 8 with the hook-shaped end 3 of the body portion of the hook, I have employed a lever 15, having depending pierced lugs 16 16, which are pivotally mounted on a pin 17 between the pierced lugs 6 6 of the hook. The lever 15 upon its upper face adjacent to its pivoted end is provided with a reinforcing-strip 18.

In Fig. 1 of the drawings I have illustrated my improved snap-hook in position to receive a link or member, and after said link or member has been placed within the hook the lever 15 is thrown over into a plane approximately parallel to the latch 8, the reinforcing-strip 18 of the lever engaging the rearwardly-extending end of the latch 8 and locking the forward end 11 of the latch in engagement with the hook-shaped end 3 of the body portion 1. The lever 15 serves as a cam-lever, having a sufficient leverage to depress the rearward end of the latch, and when said lever is in a locked position, such as illustrated in Figs. 3 and 5 of the drawings, the end of the lever is adapted to rest upon the hook-shaped end 3 of the body portion, and from this position it will be impossible for an object to strike the lever to open the same, it being necessary that the lever be gripped by a party and thrown back to the position shown in Fig. 1 to release the latch, whereby the latch can be depressed by the fingers to remove a link or member retained within the

snap-hook. The snap-hook is adapted to be carried by a strap, rope, or member, which is secured in the opening 5 of the body portion 1, and while I have herein illustrated this manner of securing the snap-hook to a strap or member it is obvious that other means may be readily employed common to such articles.

It will be noted that various changes may be made in the size, proportion, and minor details of my improved snap-hook without departing from the spirit and scope of the invention.

What I claim, and desire to secure by Letters Patent, is—

1. A snap-hook, of the class described consisting of a body portion, having a substantially hook-shaped end, upwardly-extending pierced lugs carried by said body portion, a spring-actuated latch pivotally mounted between two of said lugs and adapted to engage the hook-shaped end of said body portion, a lever pivotally mounted between the other of said lugs and adapted to be swung into engagement with the outer side of the latch in the rear of its pivotal point, to lock said latch in engagement with the hook-shaped end of said body portion, substantially as described.

2. A snap-hook of the class described consisting of a body portion having a substantially hook-shaped end, the other end of said body portion having an opening formed therein, upwardly-extending lugs carried by said body portion, a spring-pressed latch pivotally

mounted between two of said lugs and having a free end projecting beyond the lugs, a lever pivotally mounted between the other of said lugs and adapted to engage the free end of said latch, substantially as described.

3. A hook of the class described consisting of a body portion having a substantially hook-shaped end, lugs carried by said body portion, a spring-pressed latch pivotally mounted in two of said lugs, one end of said latch engaging the hook-shaped end of the hook, the free end of said latch extending beyond said lugs, a lever pivotally mounted in the other of said lugs and adapted to engage the free end of said latch, substantially as described.

4. A snap-hook of the class described consisting of a body portion having a substantially hook-shaped end, a spring-actuated latch pivotally mounted upon said body portion, and adapted to engage said hook-shaped end, a lever pivotally mounted upon said body portion and adapted to engage the free end of said latch, and the free end of said lever, when the lever is engaging the latch, bearing upon the outer surface of said hook-shaped end, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

THOMAS E. CORBETT.

Witnesses:

H. C. EVERT,
E. E. POTTER.