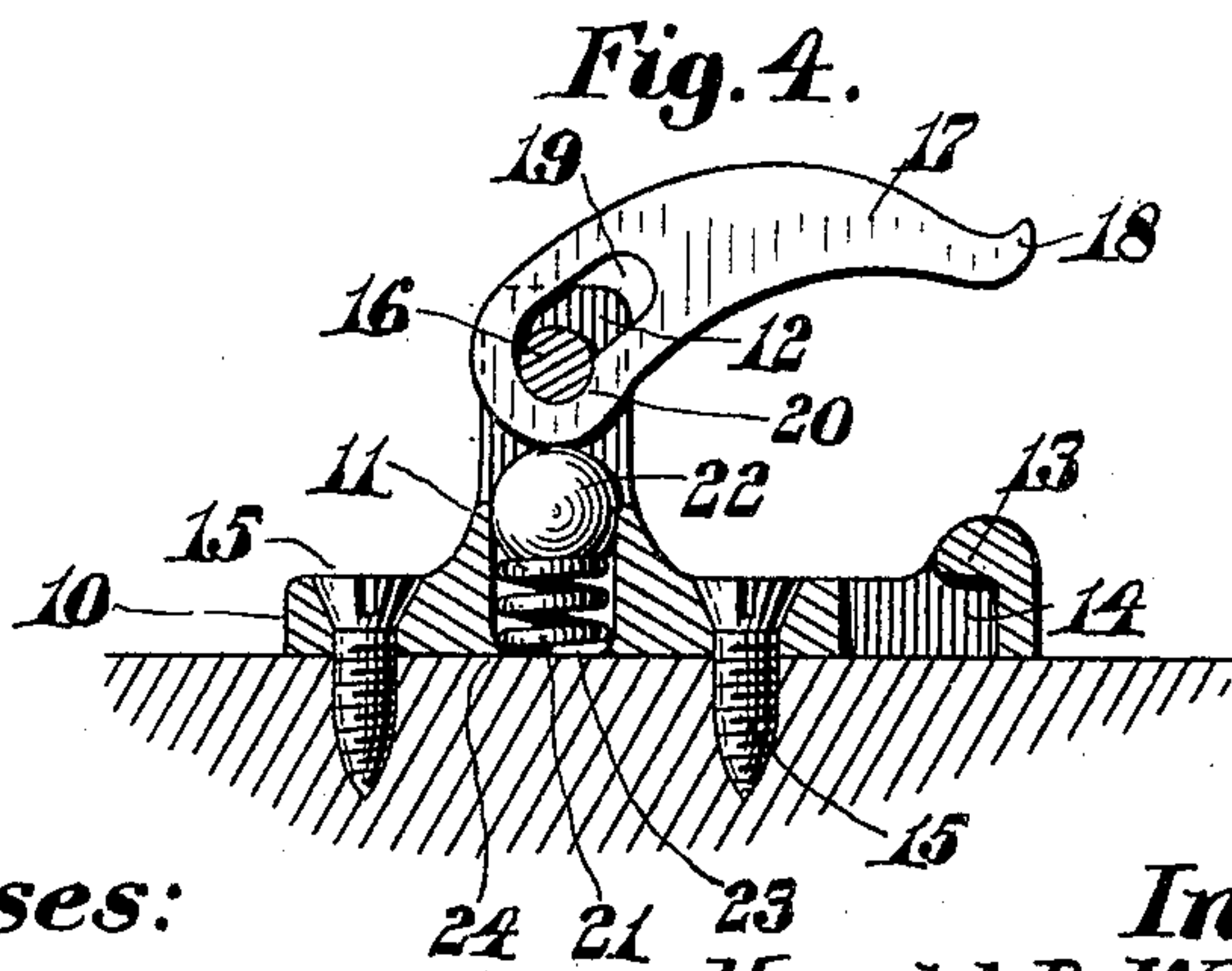
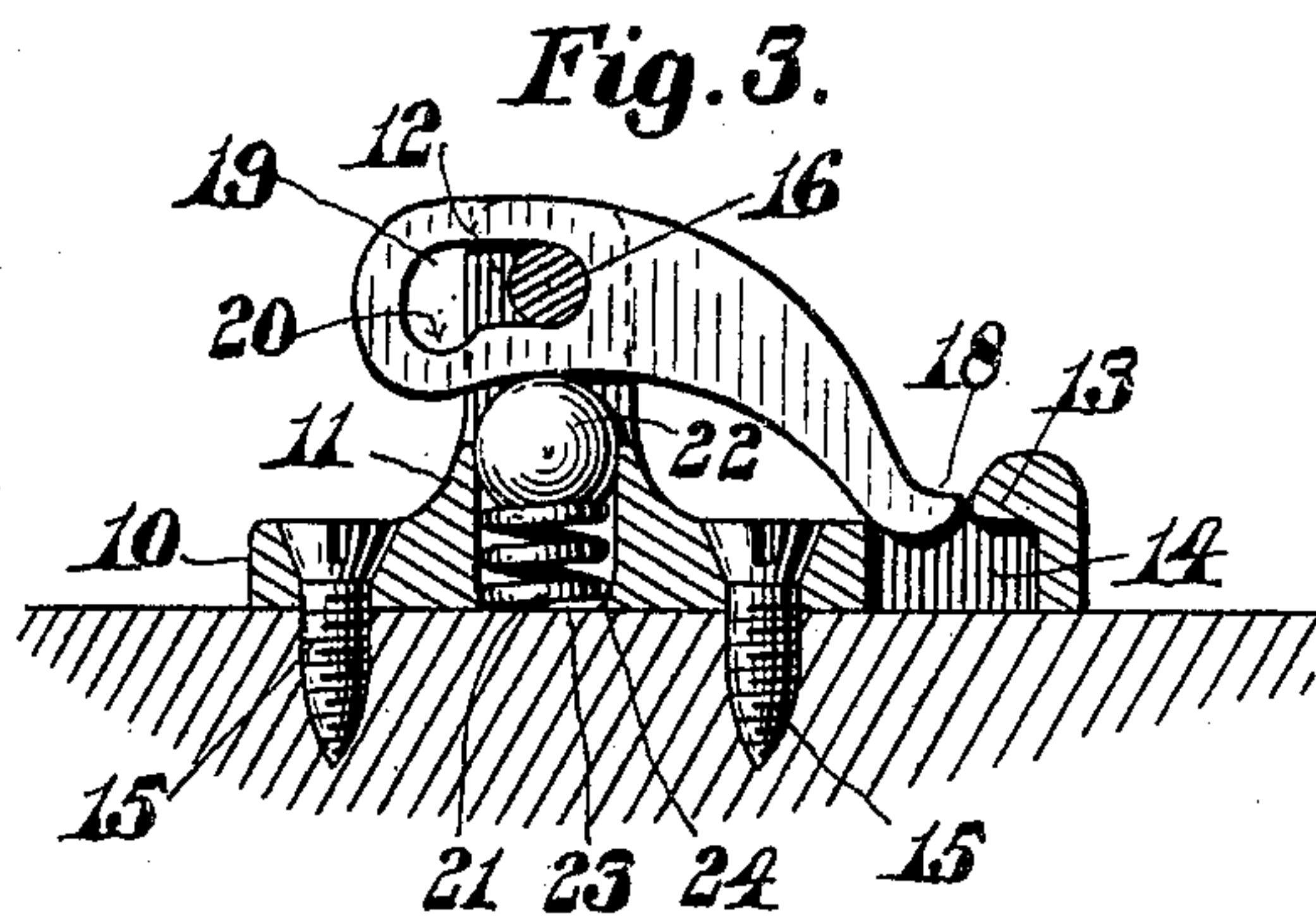
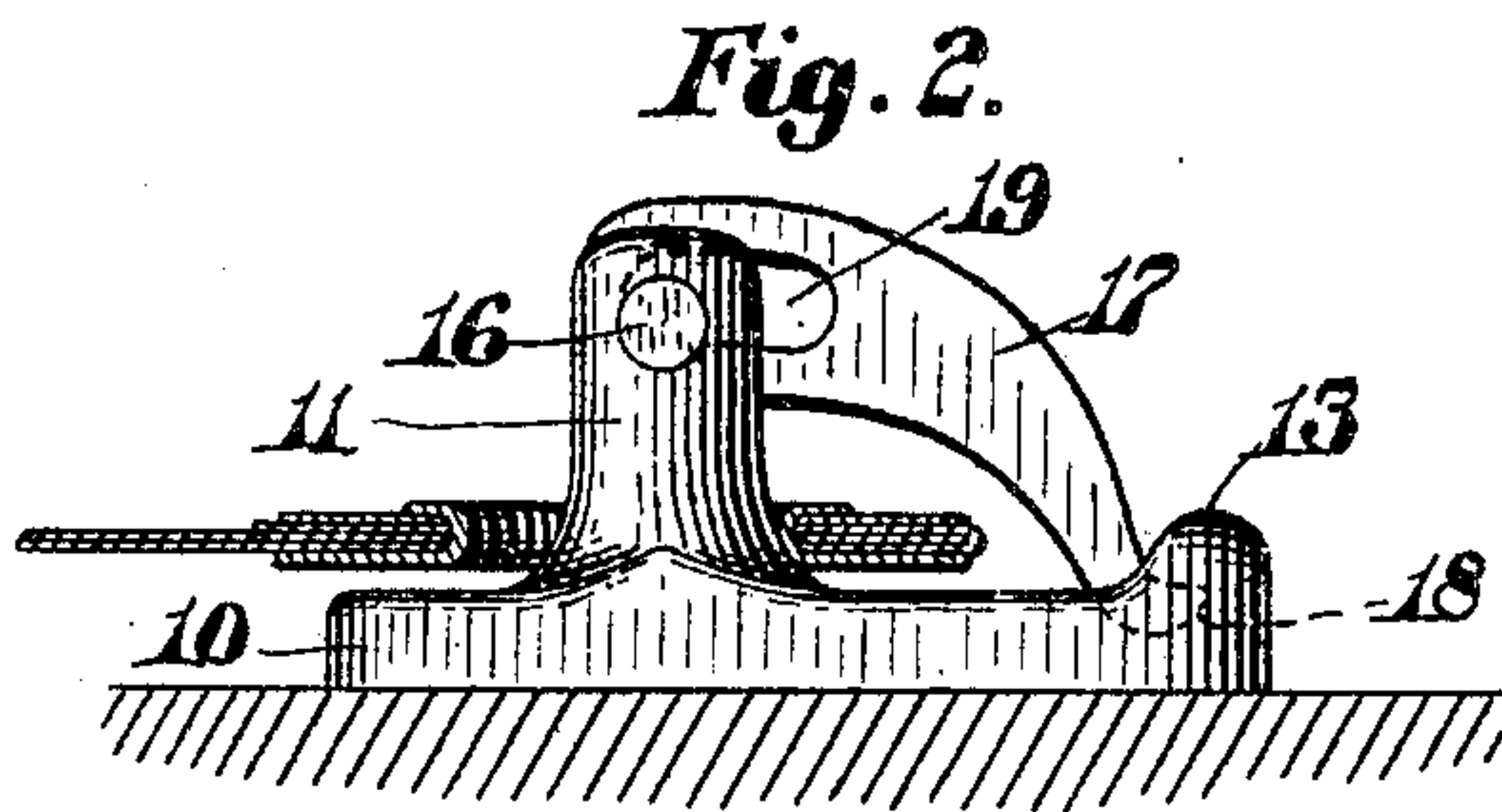
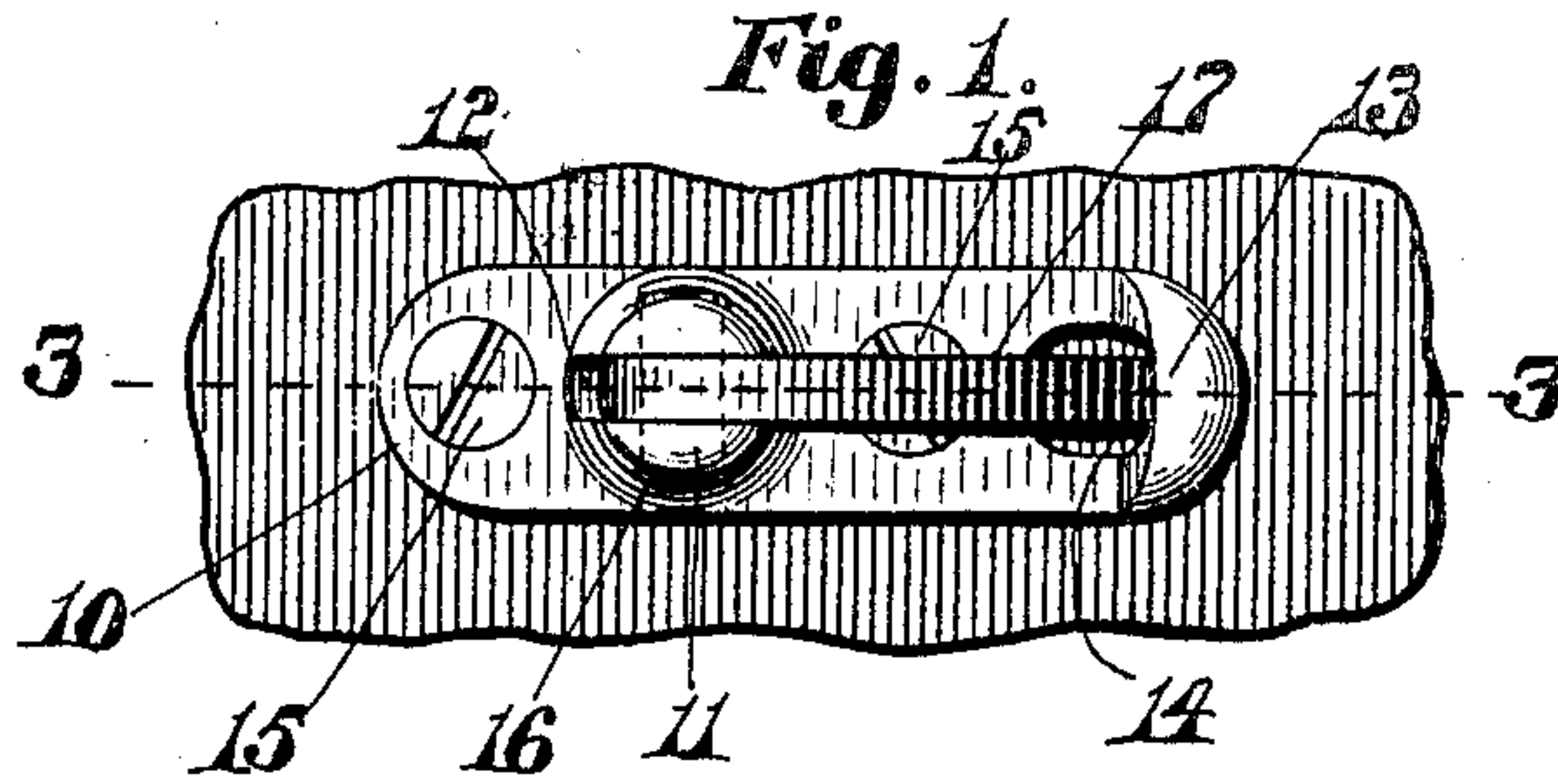


No. 804,285.

PATENTED NOV. 14, 1905.

H. D. WATERHOUSE & F. W. GREEN.  
FASTENER FOR AWNINGS AND COVERS.

APPLICATION FILED MAY 4, 1905.



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# UNITED STATES PATENT OFFICE.

HAROLD D. WATERHOUSE AND FREDERICK W. GREEN, OF QUINCY, MASSACHUSETTS; SAID GREEN ASSIGNOR TO SAID WATERHOUSE.

## FASTENER FOR AWNINGS AND COVERS.

No. 804,285.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed May 4, 1905. Serial No. 258,792.

*To all whom it may concern:*

Be it known that we, HAROLD D. WATERHOUSE and FREDERICK W. GREEN, citizens of the United States of America, and residents of Quincy, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Fasteners for Awnings and Covers, of which the following is a specification.

This invention relates to securing devices for awnings, canopies, covers for carriages, &c., and has for its object the production of a device by which such articles may be locked in position to prevent accidental displacement.

It consists in certain novel features of construction and arrangement of parts, which will be readily understood by reference to the description of the drawings and to the claims to be hereinafter given.

Of the drawings, Figure 1 represents a plan of a device embodying the features of this invention. Fig. 2 represents a side elevation of the same, showing a section of a cover in connection therewith. Fig. 3 represents a longitudinal section on line 3 3 on Fig. 1, the latch being shown in retracted position; and Fig. 4 represents a similar section, showing the latch in unlocked position.

Similar characters designate like parts throughout the several figures of the drawings.

In the drawings, 10 represents a base-plate provided with a stud 11, having a slot 12 in the outer end thereof. The opposite end of said base-plate is provided with a lip 13, overhanging a recess 14, formed in said plate. Said base-plate 10 is provided with securing means, such as screws 15, by which it may be attached to any desired member. A pin 16 extends transversely of the stud 11 at right angles to the slot 12 therein. In the slot 12 is mounted a latch 17, having at one end a tongue 18, adapted to engage the lip 13 of the base-plate. The opposite end of said latch is provided with an elongated slot 19, through which the pin 16 passes. The end of the slot 19 farthest removed from the tongue 18 is provided with a notch 20, which is of suitable size and shape to receive the pin 16 when said latch 17 is in locked position with the tongue 18 beneath the lip 13. When in this position, a spring 21 forces the antifriction member 22 against the under surface of the latch 18 to retain the pin 16 in the notch 20, thereby pre-

venting any longitudinal movement of the latch 17 and a consequential unlocking of said latch.

The spring 21 is mounted in a cylindrical recess 23 in said base-plate beneath the pin 16 and is held in position by means of the upset edges 24 at the outer end of said recess. The normal position of the latch 17 is with the tongue 18 within the recess 14 beneath the overhanging lip 13 and with the rear end of said latch forced upwardly by means of the spring 21, so that the pin 16 is in the bottom of the notch 20, thereby preventing accidental movement of the latch to cause an unlocking of the same. Should, however, it be desired to unlock the latch for the purpose of removing a cover or placing the eye of a cover upon the stud 11, the operator presses upon the rear portion of the latch 17 against the tension of the spring 21 in order to remove the notch 20 from engagement with the pin 16 and then by a continuation of the same movement in a rearward direction moves the latch into the position shown in Fig. 3 with the pin 16 in the front end of the slot 19. When in this position, pressure upon the extreme end of the latch will tilt the same into substantially the position shown in Fig. 4, when the tension of the spring 21 will force the latch 17 upwardly, so that the pin 16 will again enter the notch 20 and hold it practically in this open position until further pressure is brought to bear upon the latch to return it to its normal or locked position.

By the use of such a device as herein shown and described covers, awnings, and similar articles may be locked in place without any danger of accidental displacement.

Having thus described our invention, we claim—

1. A locking-hook consisting of a base-plate provided with a lip, and a movable latch provided with an elongated slot by which it is slidably secured to said base-plate and adapted to engage said lip.

2. A locking-hook consisting of a base-plate provided with a lip, a movable latch provided with an elongated slot by which it is slidably secured to said base-plate and adapted to engage said lip, and means for normally retaining said latch in locked position.

3. A locking-hook consisting of a base-plate provided with a stud and a lip, and a movable latch provided with an elongated slot by which



it is slidably secured to said stud and adapted to engage said lip.

4. A locking-hook consisting of a base-plate provided with a stud and a lip, a movable latch provided with an elongated slot by which it is slidably secured to said stud and adapted to engage said lip, and means for normally retaining said latch in locked position.

5. A locking-hook consisting of a base-plate provided with a stud and a lip, a pin in said stud, and a movable latch provided with an elongated slot by which it is slidably mounted upon said pin and adapted to engage said lip.

6. A locking-hook consisting of a base-plate provided with a slotted stud and a lip, a pin in said stud, and a latch provided with an elongated slot by which it is slidably mounted in said slot upon said pin and adapted to engage said lip.

7. A locking-hook consisting of a base-plate provided with a slotted stud and a lip, a pin in said stud, a latch provided with an elongated slot by which it is slidably mounted in said slot upon said pin and adapted to engage said lip, and means for normally retaining said latch in locked position.

8. A locking-hook consisting of a base-plate provided with a slotted stud and a lip, a pin in said stud, a latch mounted in the slot in said stud and adapted to engage said lip, said latch being provided with a slot through which said pin passes, and a notch at one end of said slot adapted to receive said pin when said latch is in locked position.

9. A locking-hook consisting of a base-plate provided with a slotted stud and a lip, a pin in said stud, a latch mounted in the slot in said stud and adapted to engage said lip, said latch being provided with a slot through which said pin passes, a notch at one end of said slot

adapted to receive said pin when said latch is in locked position, a spring for normally retaining said pin in said notch, and an anti-friction member interposed between said spring and said latch.

10. A locking-hook consisting of a base-plate provided with a lip, a latch pivoted to said plate and adapted to be moved longitudinally of said plate to engage said lip, and means for normally retaining said latch in locked position.

11. A locking-hook consisting of a base-plate provided with a lip and a pivot-pin, a latch provided with an elongated slot through which said pivot-pin passes, and means for normally retaining said latch in locked position.

12. A locking-hook consisting of a base-plate provided with a lip and a pivot-pin, a latch provided with an elongated slot through which said pivot-pin passes, said slot being provided with a notch adapted to receive said pin when said latch is in locked position, and means for normally retaining said pin in said notch.

13. A locking-hook consisting of a base-plate provided with a slotted stud and a lip, a pin in said stud, a latch pivoted to said pin by an elongated slot having a notch in one end thereof adapted to engage said pin, and a spring to normally retain said pin and notch in engagement when said latch is engaging said lip.

Signed by us at Boston, Massachusetts, this 26th day of April, 1905.

HAROLD D. WATERHOUSE.  
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