

No. 868,041.

PATENTED OCT. 15, 1907.

H. VIEL.  
LOCKING HAT AND COAT RACK.  
APPLICATION FILED APR. 8, 1907.

2 SHEETS—SHEET 1.

FIG. 1.

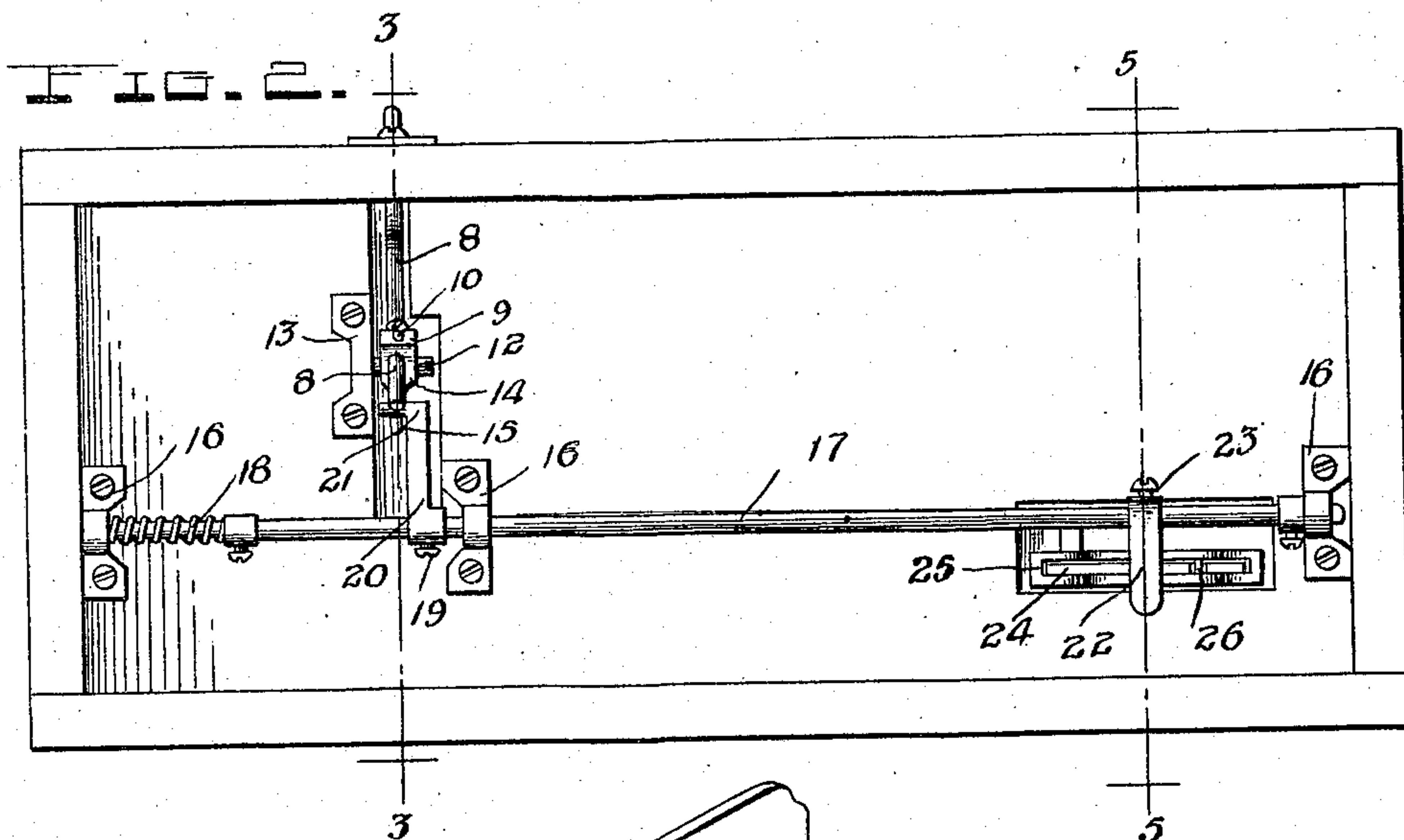
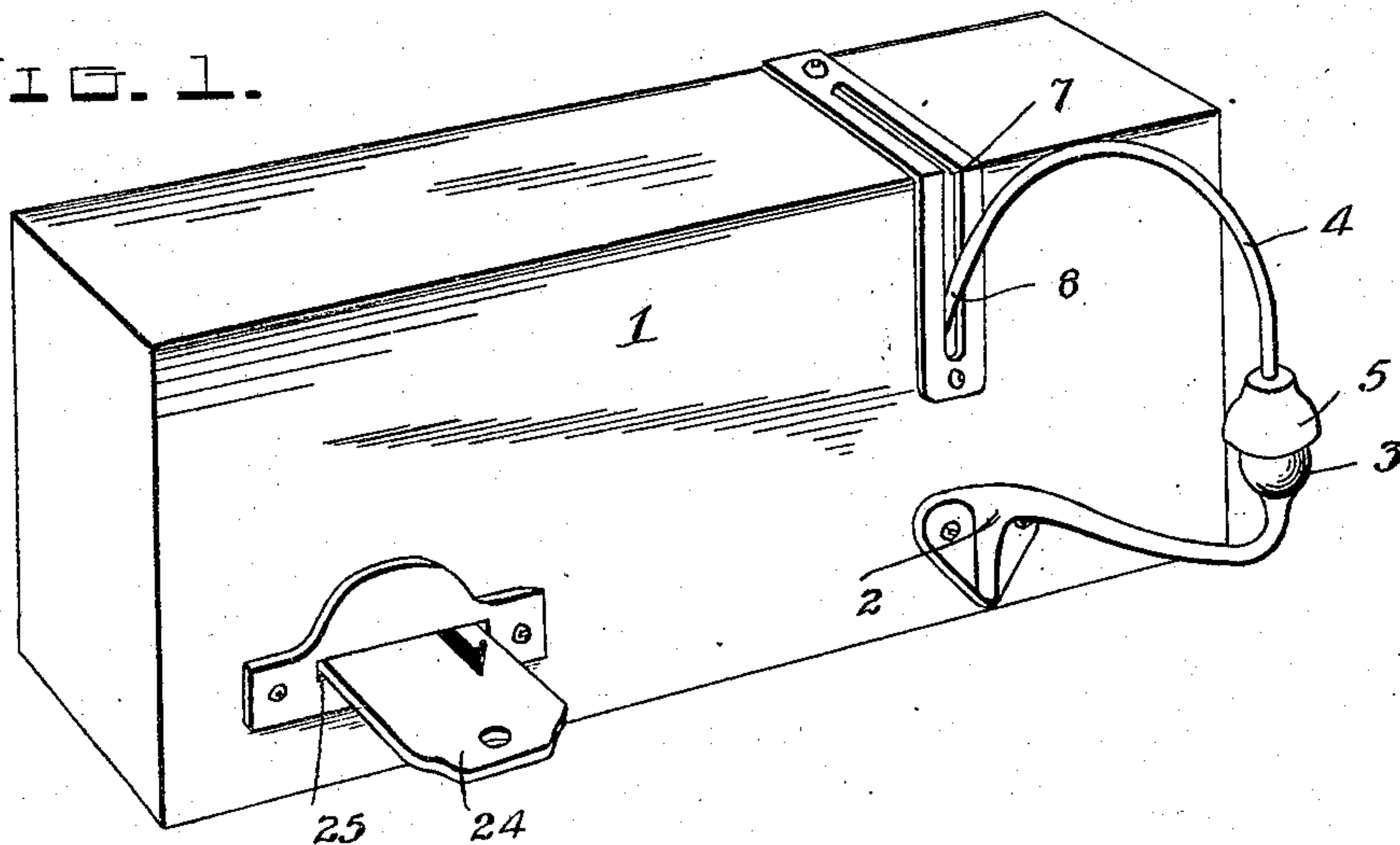
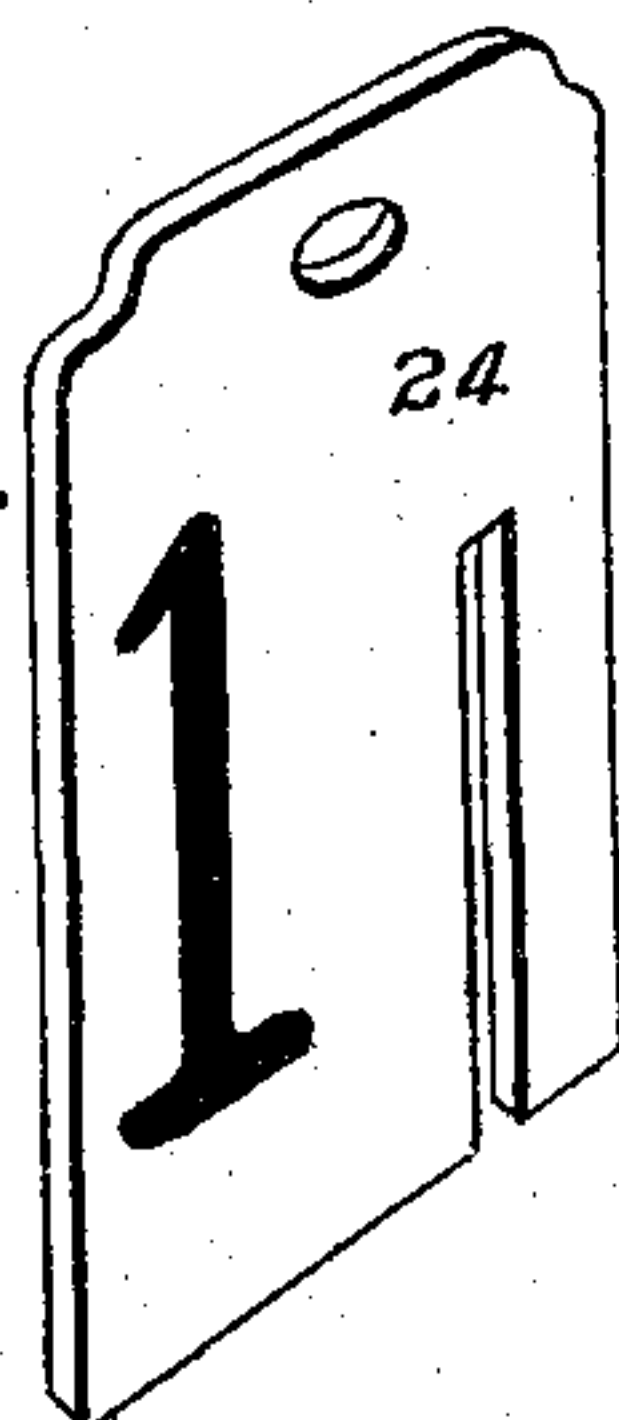


FIG. 3.



Witnesses  
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2 SHEETS—SHEET 2.

FIG. 3.

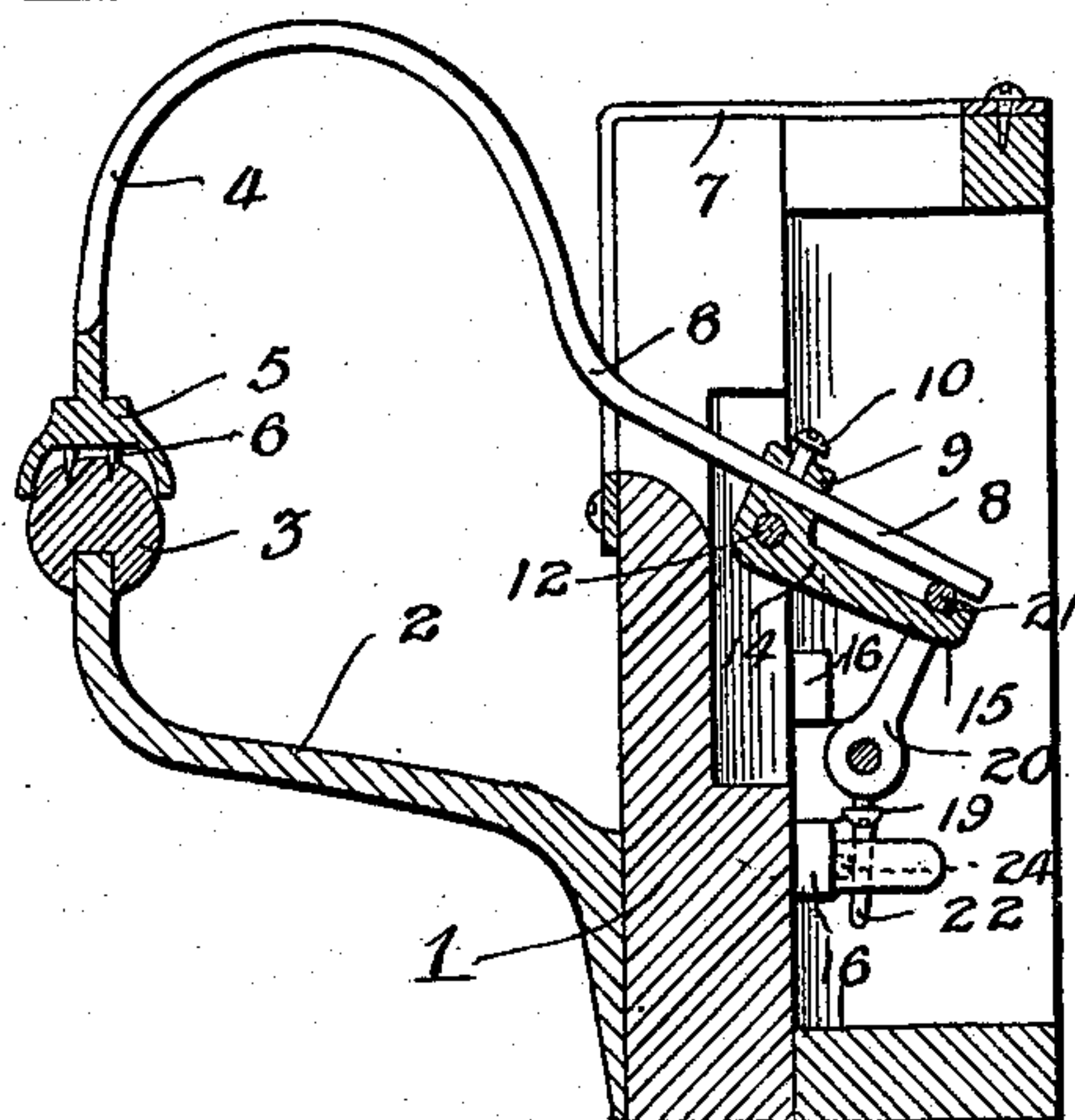


FIG. 4.

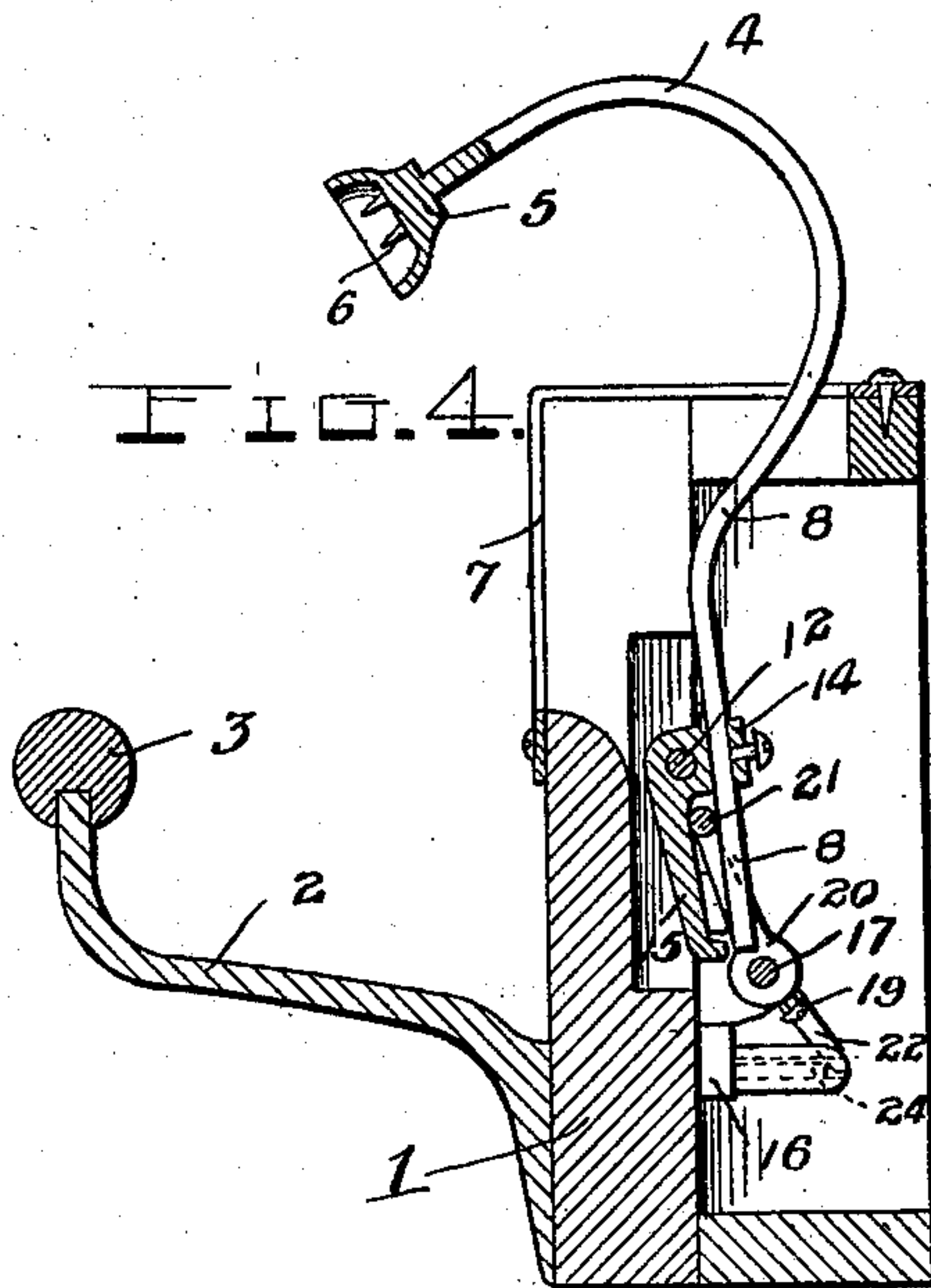


FIG. 5.

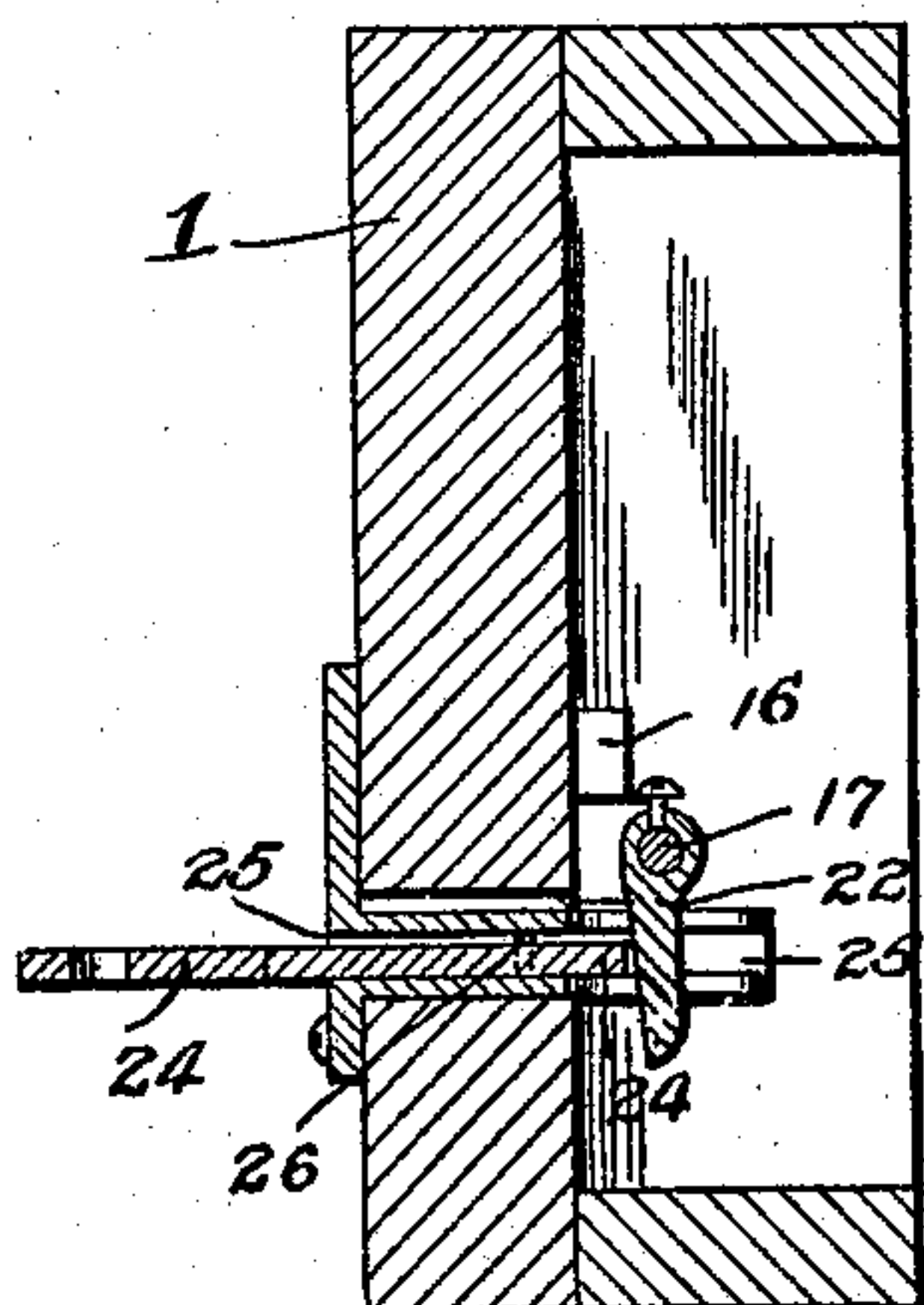
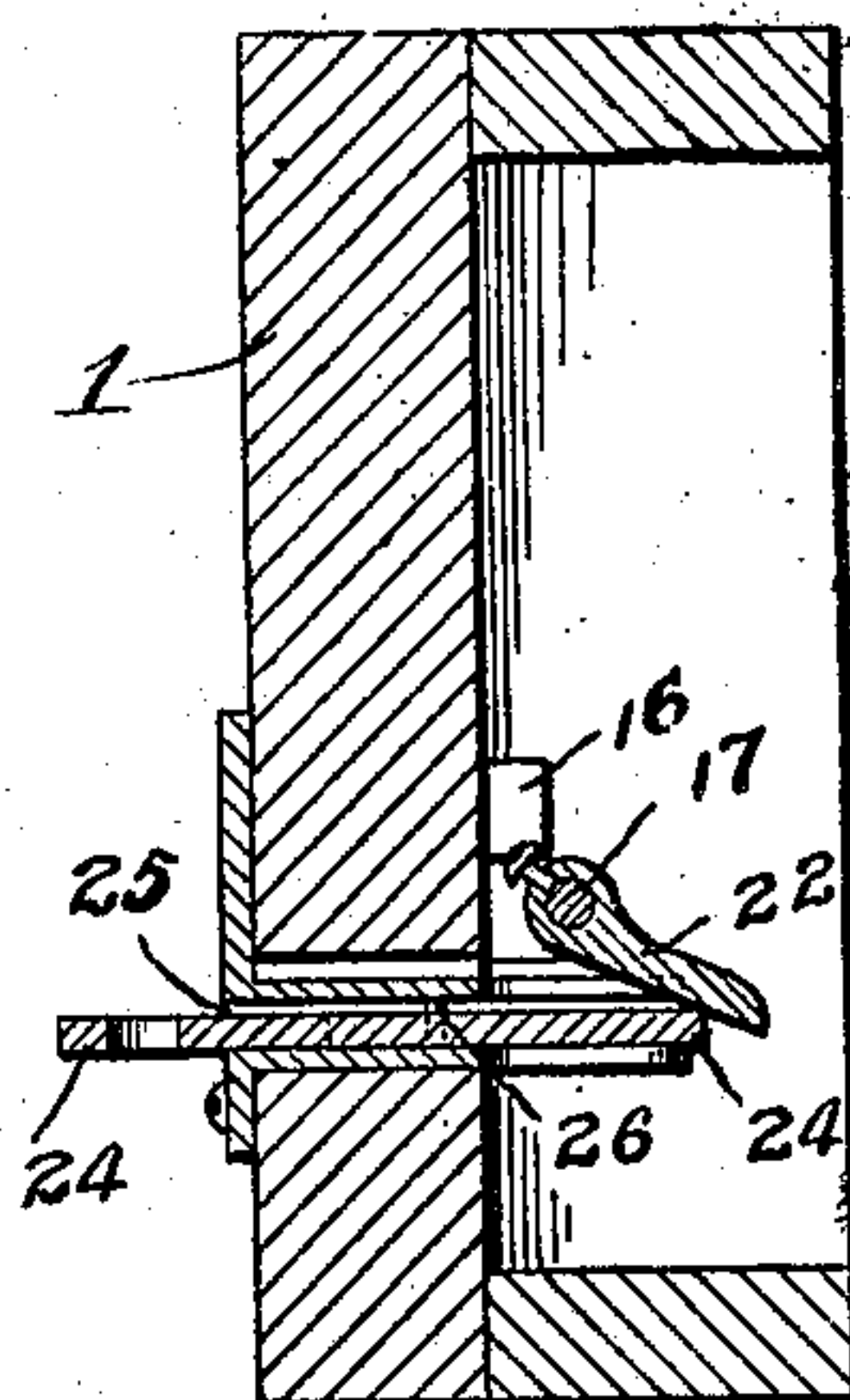


FIG. 6.



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# UNITED STATES PATENT OFFICE.

HONORÉ VIEL, OF LAWRENCE, MASSACHUSETTS.

## LOCKING HAT AND COAT RACK.

No. 868,041.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed April 8, 1907. Serial No. 367,030.

*To all whom it may concern:*

Be it known that I, HONORÉ VIEL, a citizen of the United States, residing at Lawrence, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Locking Hat and Coat Racks; 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.

10 This invention relates to improvements in locking coat and hat racks.

The object of the invention is to provide a rack adapted to support hats, coats and other articles of wearing apparel and having connected therewith a check-operating locking mechanism, by means of which said articles of apparel will be securely held against removal from the hook or rack.

15 With this object in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawing, Figure 1 is a perspective view of the invention; Fig. 2 is a rear view of the same, with the back plate of the casing removed; Fig. 3 is a vertical cross sectional view, taken on a line with the hook and its co-acting locking bar, showing the position of the parts when closed and locked; Fig. 4 is a similar view of the parts when open; Fig. 5 is a vertical, cross sectional view, taken on a line with the releasing finger of the locking mechanism; Fig. 6 is a similar view, showing the manner in which the device is unlocked by check; and Fig. 7 is a perspective view of the releasing or unlocking check.

35 Referring more particularly to the drawings, 1 denotes a casing, which may be of any suitable shape, but which is here shown in rectangular form. To the outer side of the casing adjacent to one end thereof is secured a supporting hook, 2, on the outer end of which is preferably arranged an elastic ball or knob, 3. Adapted to be engaged with the knob 3 on the hook is a locking arm, 4, said arm being preferably curved or bowed, as shown, and has secured to its outer end an inverted cup or socket, 5, which is adapted to be engaged with the knob 3 on the hook. On the inner side of the socket 5 is formed a series of impaling pins, 6, which are adapted to be forced through the article on the hook and into the elastic knob on the upper end thereof.

50 The arm 4 is adapted to work through a slot 7 formed in the upper outer corner of the casing, as shown. The arm 4 is provided with an angularly bent, rearwardly projecting fastening end, 8, which projects through the slot 7, and through a pivotally mounted block 9, in which it is adjustably secured by means of a set screw 10. The block 9 is pivotally mounted upon a stub

shaft 12, which is secured in a bracket 13, fastened on the inner side of the casing, as shown. The block 9, is provided on its lower end with a rearwardly projecting inclined arm 14, which extends inwardly parallel to the inwardly projecting end 8 of the arm 4. The inner end of the arm 14 is provided with an upwardly projecting stop lug, 15, which is adapted to engage the inner end 8 of the arm 4, thus providing a closed space between the end 8 and the arm 14.

60 Arranged on the inner side of the casing 1 is a series of bearing brackets 16, in which is mounted to oscillate, a locking shaft 17, to which, adjacent to one end, is secured one end of a coiled spring, 18, the opposite end of which is secured to one of the brackets 16, so that the tension of said spring is exerted to turn the shaft outwardly or toward the rear side of the casing. Adjustably mounted on the shaft 17 by means of a set screw 19 is a locking lever 20, the outer end of which is provided with a right angularly projecting lug, 21, which is adapted to engage the space between the end 8 of the arm 4 and the upper side of the arm 14. The tension of the spring 18 is normally exerted to turn the shaft 17 to bring the lug 21 on the lever 20 into engagement on the arm 14. The position of the arm 14 and the lug 15 when thus engaged with the lug 15, will prevent the upward movement of the outer end of the arm 4, thus holding the socket 5 and pins 6 into engagement with the article on the hook, until said locking mechanism has been released.

85 The releasing mechanism for the locking lever, 20, and arm 14, consists of a releasing finger, 22, which is adjustably secured to the shaft 17, by a set screw 23, and is adapted to be engaged by an operating check, 24, inserted through a guide chute 25, arranged in the front wall of the casing, as shown. The finger 22, when engaged by the check 24, will be forced inwardly, thus rocking the shaft 17 and turning the lever 22 inwardly so that the lug 21 thereon will engage the upper side of the arm 14, thus turning the block 9 on the stub shaft 12, which movement will swing the inner end 8 of the arm 4 downwardly, and the outer end upwardly, thus disengaging the socket 5 from the knob 3 on the hook 2, and permitting the removal of the articles hung thereon.

90 In the passage or chute 25 for the check 24 is arranged one or more transverse baffle pins, 26, which are adapted to be engaged by slots formed in the checks to permit the insertion of the check in the chute, and the engagement of the inner end of the check with the releasing finger, 22. By providing the checks with slots corresponding to the baffle pins in the chute, the insertion of another check than the one designed for the particular chute will be prevented, thus providing for the release of the operating mechanism only by the check designed for the purpose. Thus when a series of hooks are employed, the check chute of each hook will be provided with differently arranged baffle pins and



checks will be provided to correspond with the arrangement of the baffle pins so that the check for operating the releasing mechanism of one hook cannot be employed to operate the releasing mechanism of another hook. The corresponding check chutes and checks will be identified by similar numerals or letters placed thereon, or, in other words, a check bearing a certain number will operate only the releasing mechanism of the hook bearing a corresponding number. After a check has been engaged with the releasing mechanism to unlock and elevate the holding arm, 4, and the check withdrawn, the spring 18 will restore the locking mechanism to its normal position and force the holding arm 4 into engagement with the hook.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention may be readily understood without requiring a more extended explanation.

Various changes in the form, proportions and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention, as defined in the appended claims.

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

1. A locking rack, comprising a casing, a supporting hook arranged thereon, a curved locking arm adapted to be engaged with said hook, a spring actuated rock shaft arranged on the inner side of said casing, a locking lever adjustably mounted on said shaft and adapted to be engaged with the inner end of said locking arm, a releasing finger adjustably mounted on said rock shaft, and an operating check adapted to be engaged with said releasing

finger to rock said shaft and release said locking mechanism, substantially as described. 35

2. A locking rack comprising a casing, a supporting hook arranged on said casing, a locking arm pivotally mounted in and adapted to work through a slot in said casing, said arm having an angularly projecting inner end, an inwardly projecting operating arm arranged parallel with said angularly bent end of the locking arm, a rock shaft mounted on the inner side of said casing, a spring arranged on said shaft to hold said arm in locking engagement with the parallel arm and the inner end of said locking arm, a releasing finger mounted on said shaft, and a check adapted to be engaged with said releasing finger to operate the same, substantially as described. 40 45

3. A locking rack comprising a casing, a hook arranged on the outer end thereof, a stub shaft arranged in said casing, a block pivotally mounted on said shaft, a curved locking arm adapted to be engaged at one end with said hook and adjustably mounted at its opposite end in said block, an inwardly projecting operating arm formed on said block and extending inwardly with the inner end of said locking arm, a lug on the inner end of said operating arm adapted to form a closed space between the end of said locking arm and said operating arm, a rock shaft arranged on the inner side of said casing, a spring adapted to actuate said shaft, a locking arm adjustably mounted thereon, a lug on said locking arm to project into the closed space between the inner end of the locking arm and said operating arm and to engage the lug on the inner end of said operating arm, a releasing finger on said shaft, and releasing means to act on the finger for moving the shaft to releasing position. 50 55 60 65

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

HONORÉ VIEL.

Witnesses:

JOSEPH MONETTE,  
WILLIAM H. MOISON.