

909,114.

Patented Jan. 5, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

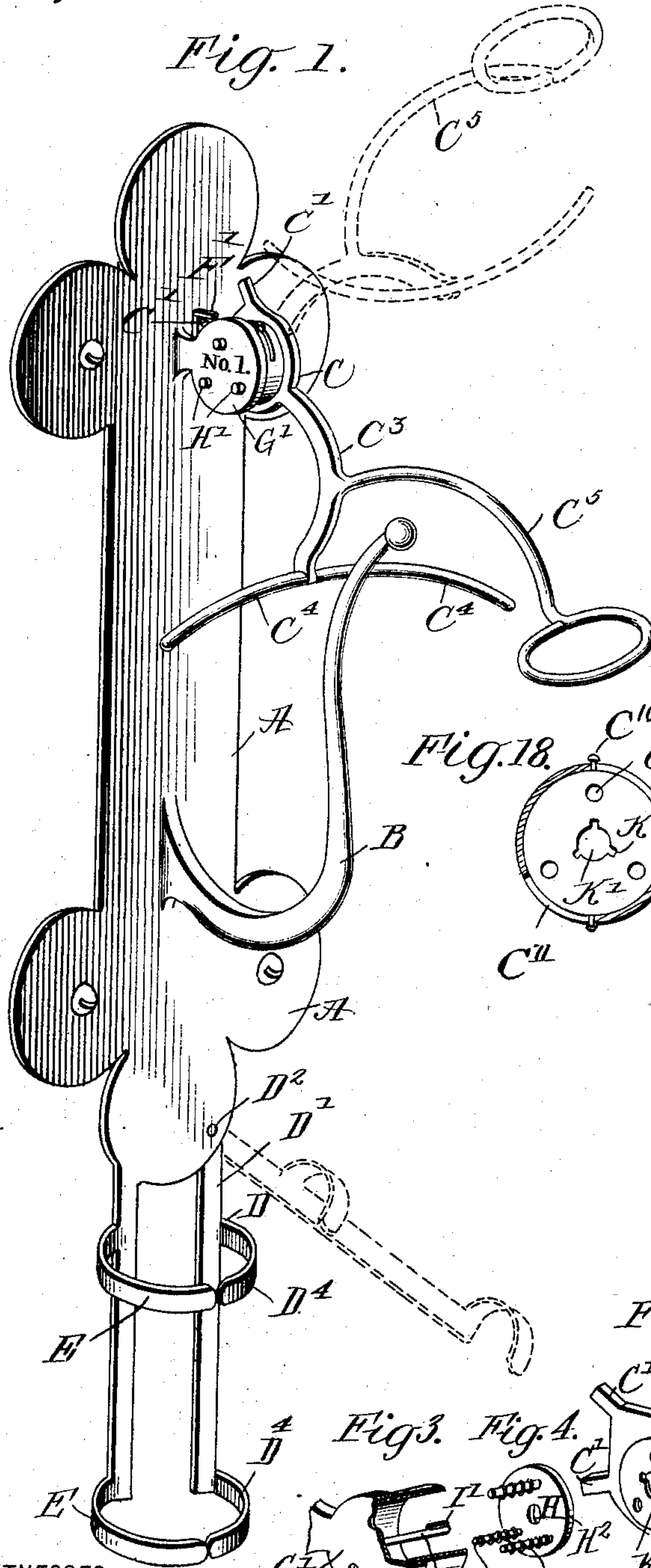


Fig. 2.

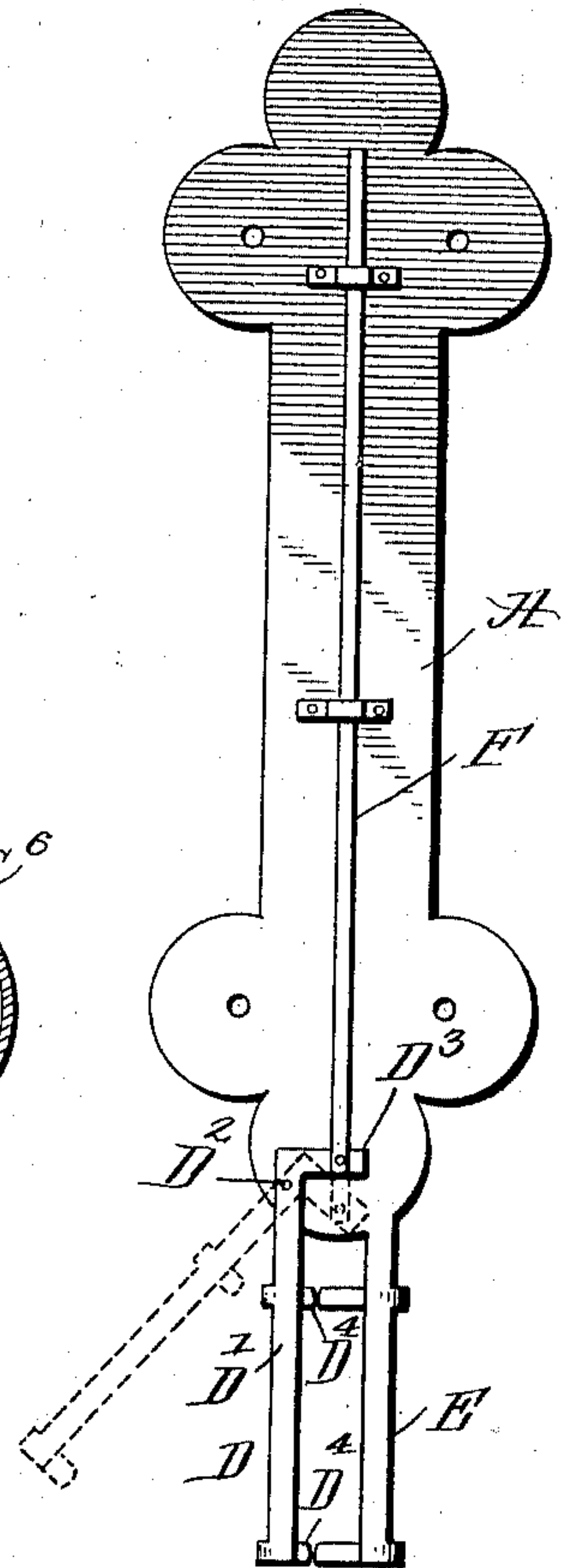


Fig. 18.

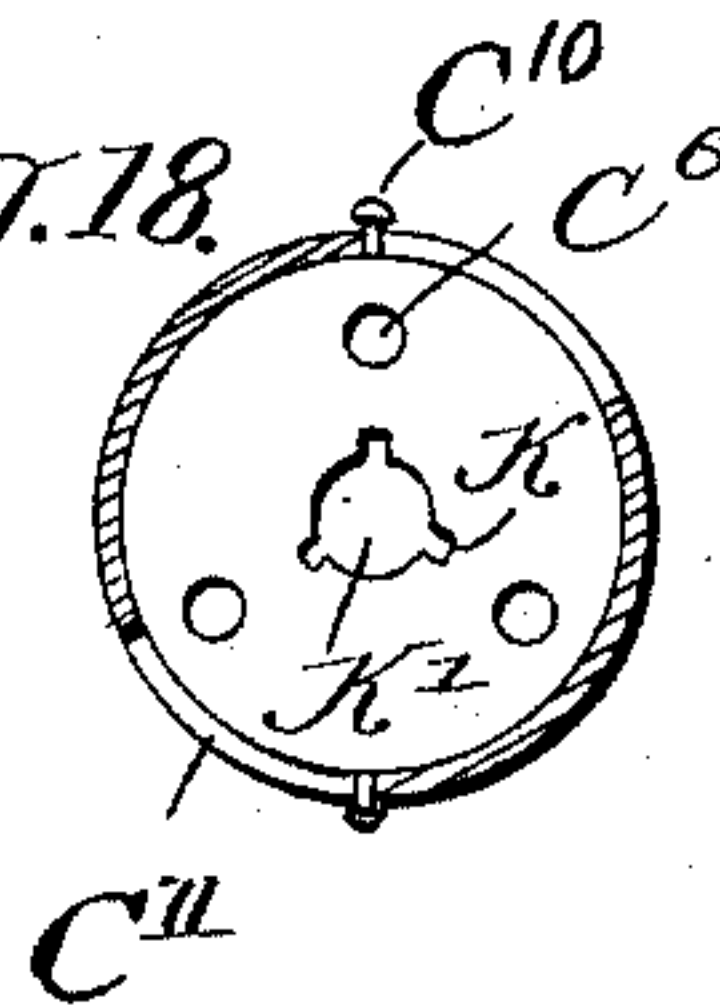


Fig. 5.

Fig. 6.

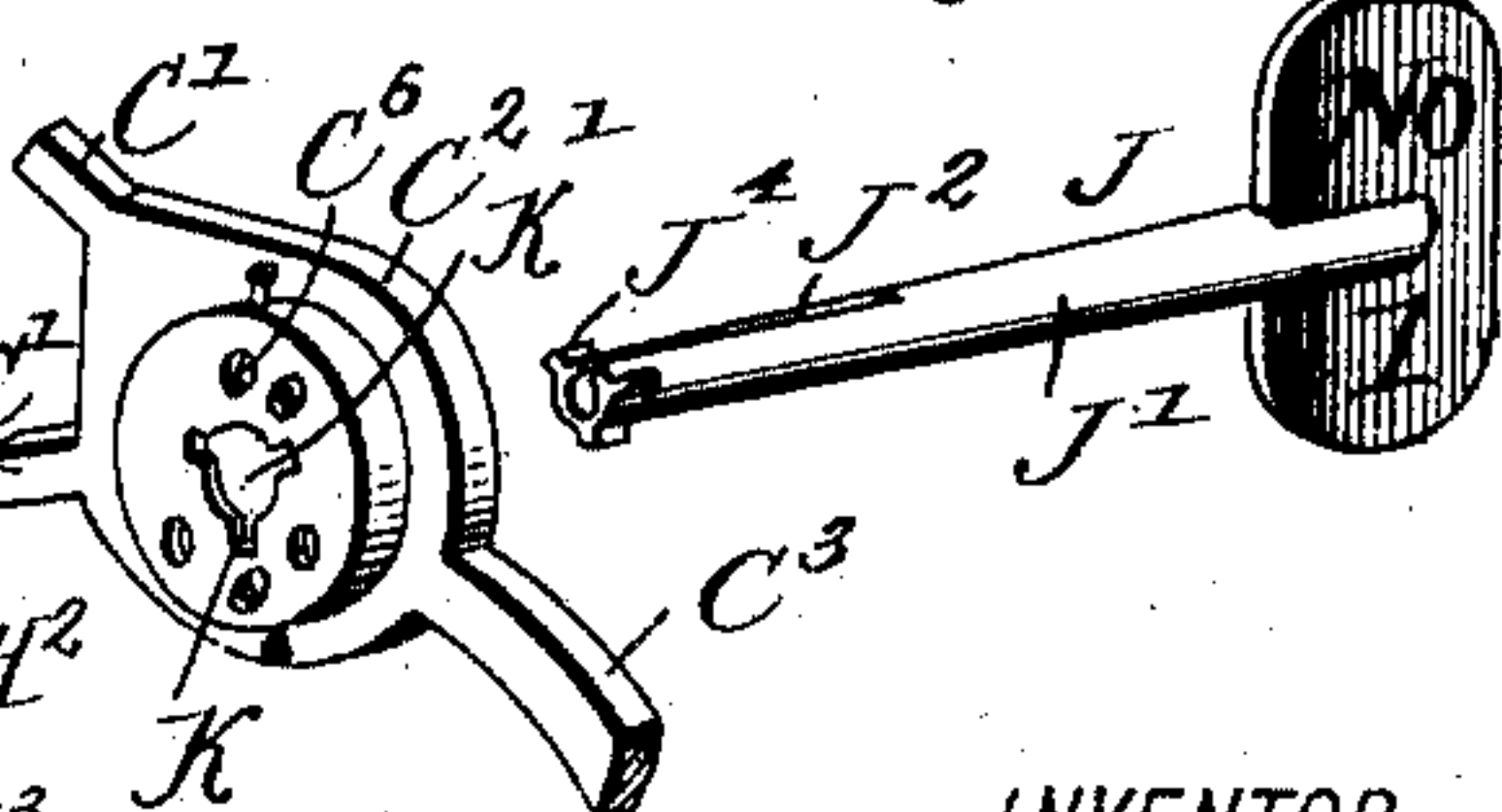
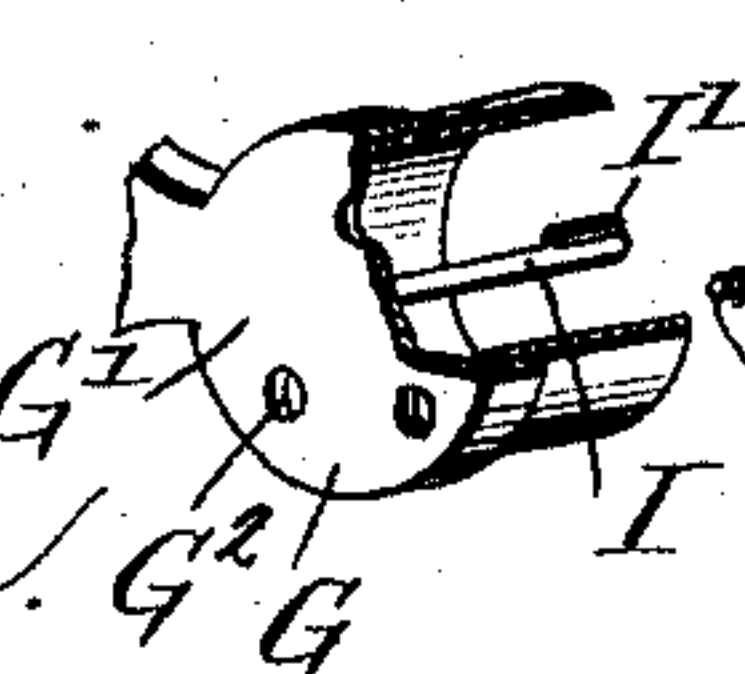


Fig. 3.

Fig. 4.



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2 SHEETS—SHEET 2.

Fig. 8.

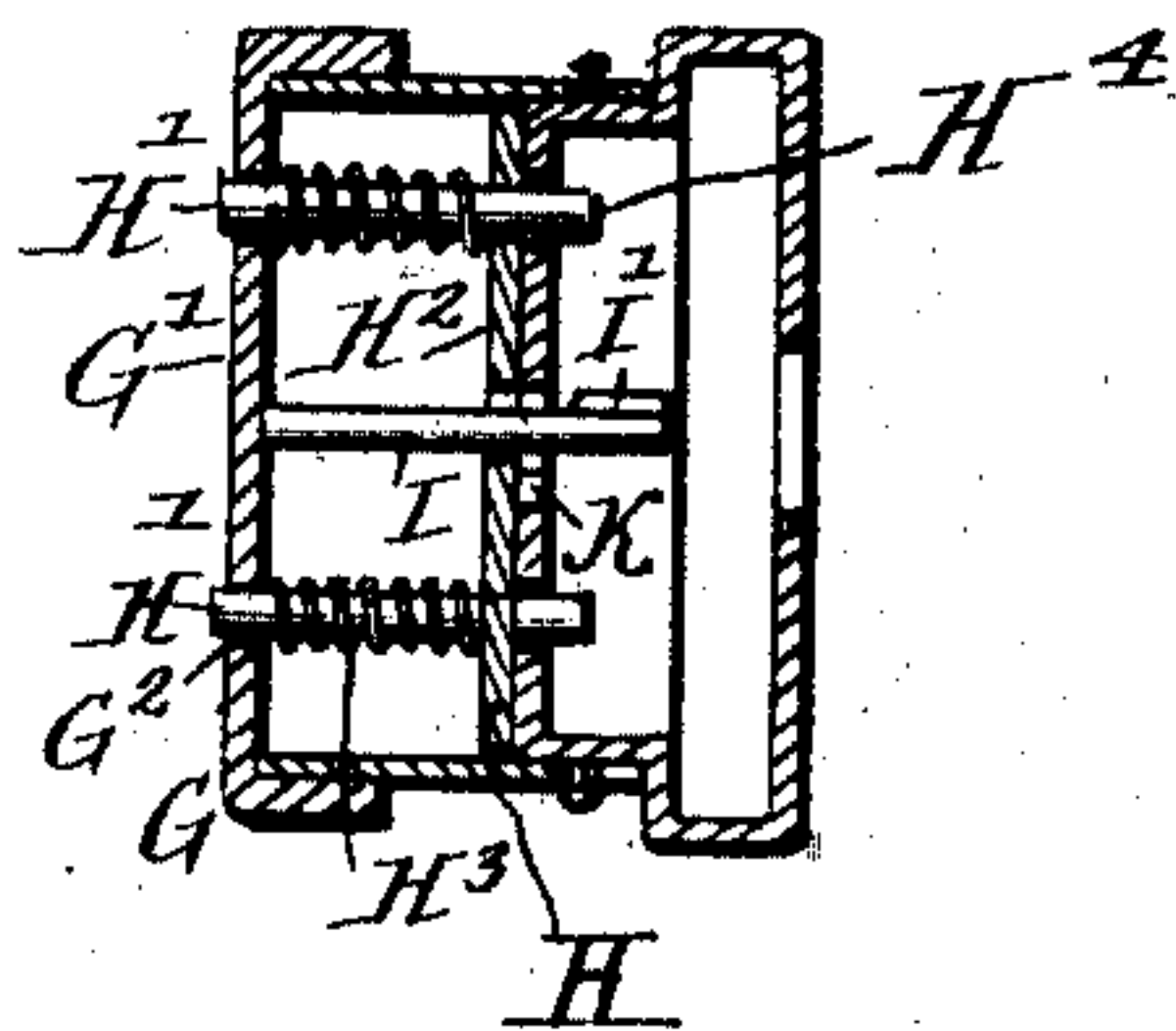


Fig. 7.

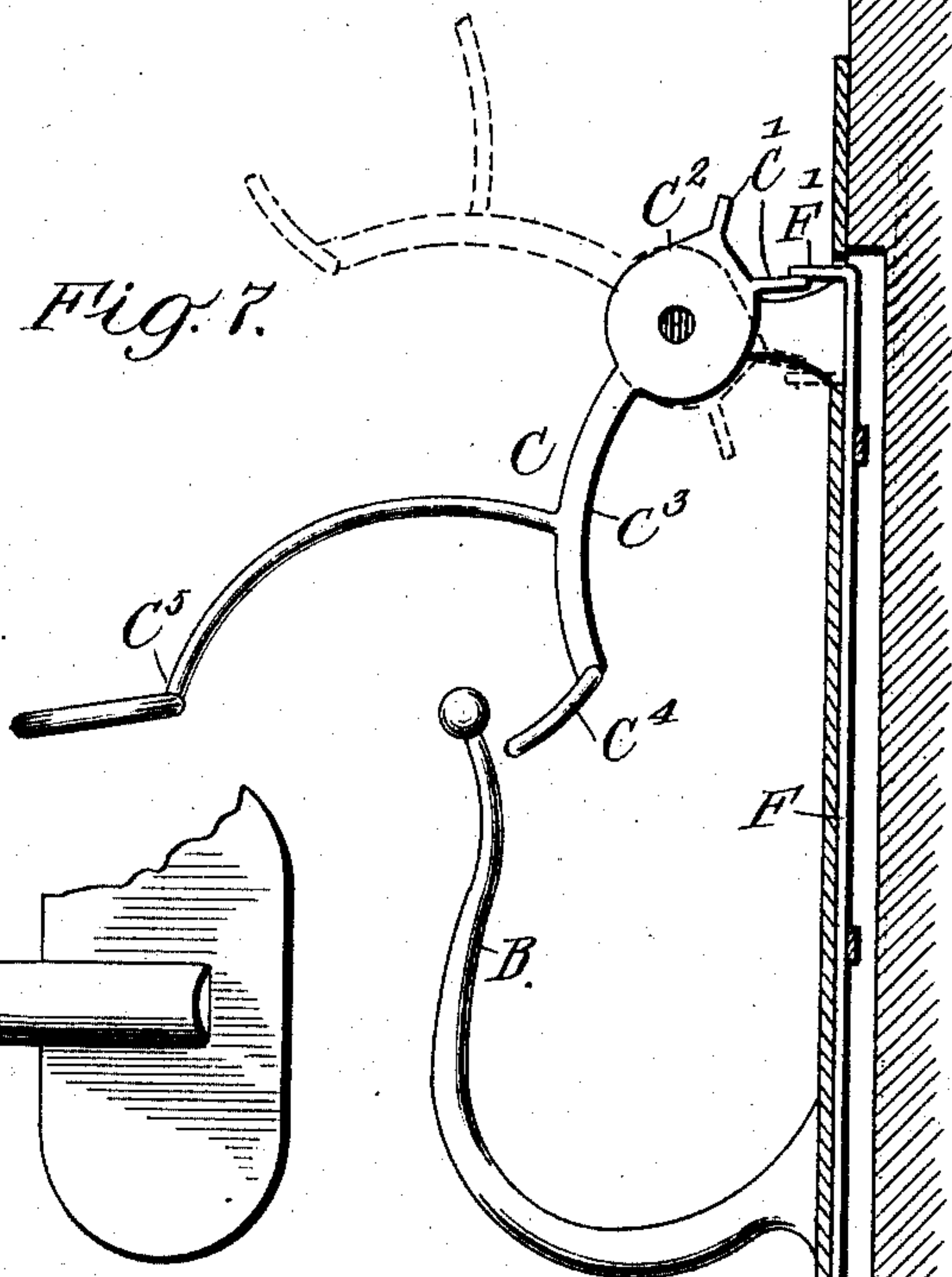


Fig. 9.

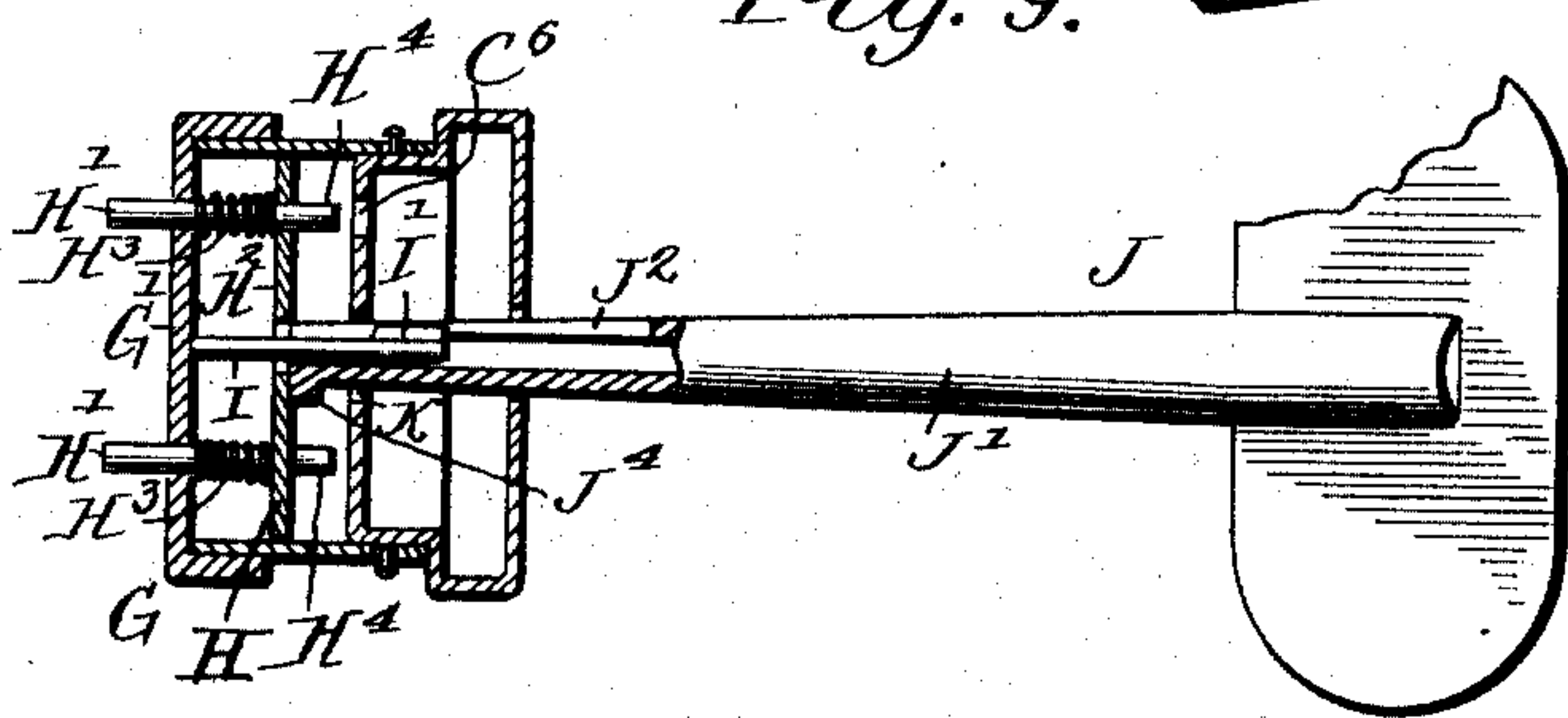


Fig. 10.

Fig. 11.

Fig. 12.

Fig. 13.

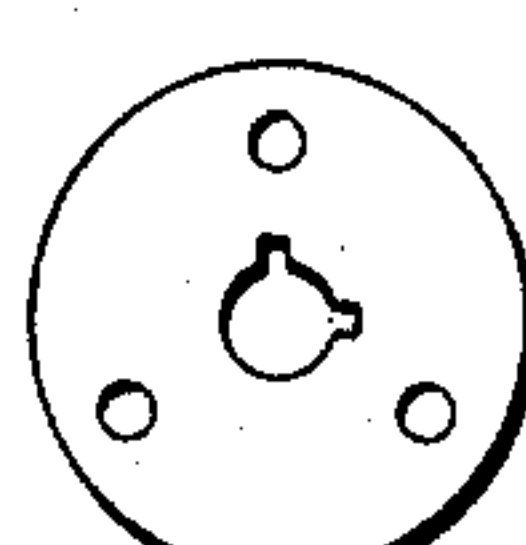
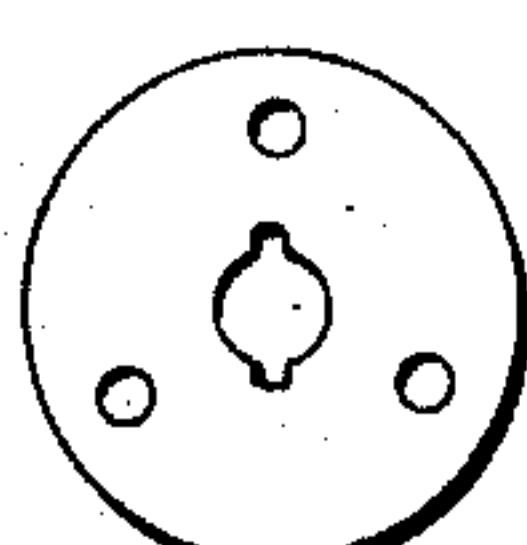
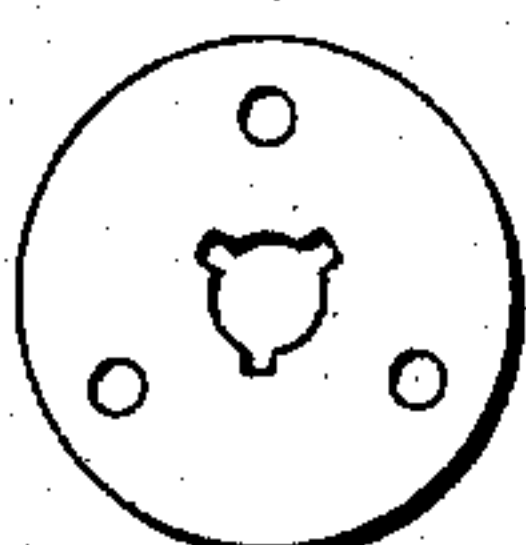
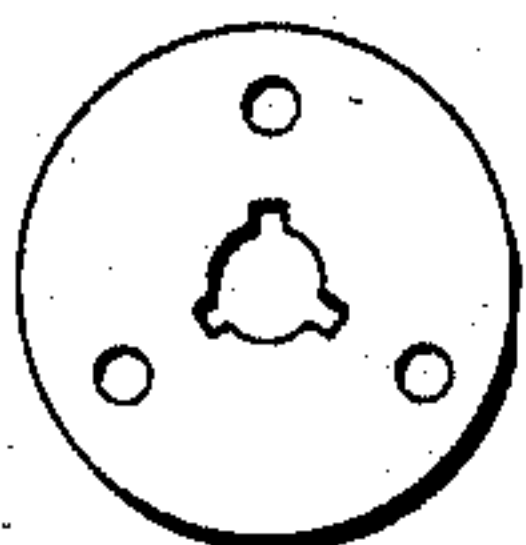
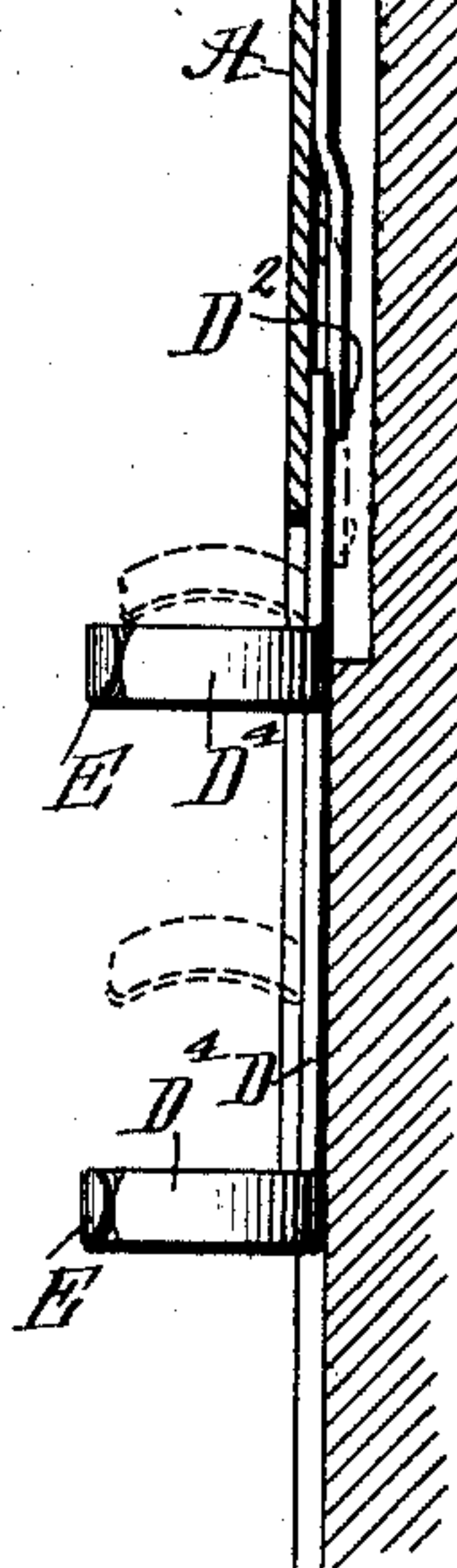
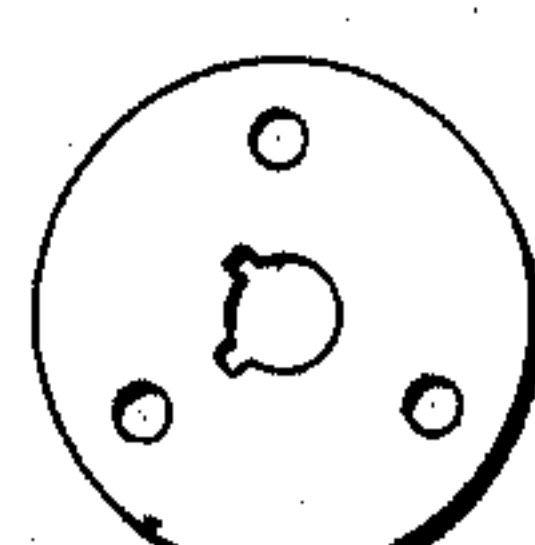
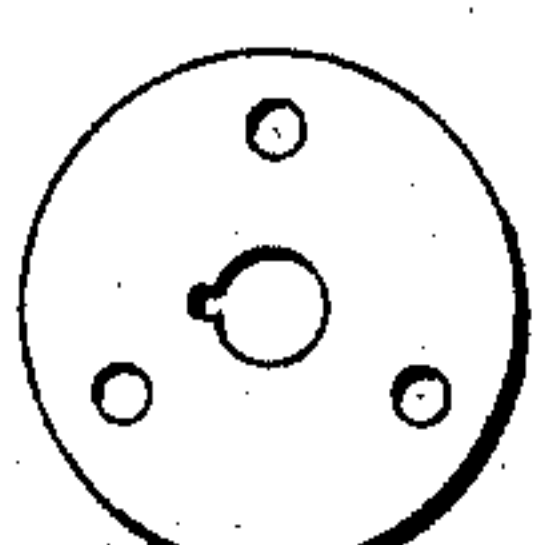
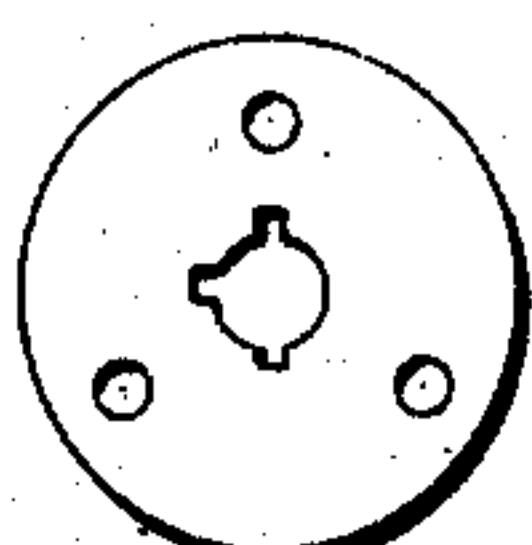
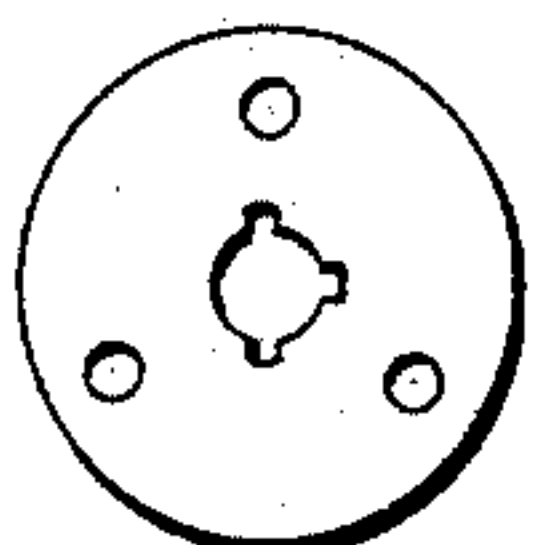


Fig. 14.

Fig. 15.

Fig. 16.

Fig. 17.



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# UNITED STATES PATENT OFFICE.

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## HAT AND COAT RACK.

No. 909,114.

Specification of Letters Patent.

Patented Jan. 5, 1909.

Application filed August 13, 1908. Serial No. 448,277.

*To all whom it may concern:*

Be it known that I, EDWARD LINCOLN PITTS, a citizen of the United States, and a resident of Yuma, in the county of Yuma and Territory of Arizona, have invented certain new and useful Improvements in Hat and Coat Racks.

This invention is an improvement in hat and coat racks and consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view, and Fig. 2 is a rear elevation of a device embodying my invention. Fig. 3 is a detail perspective view, partly in section, of the lock case. Fig. 4 is a detail perspective view of what for convenience of reference I term the bolt. Fig. 5 is a detail perspective view, partly broken away, of the swinging arm. Fig. 6 is a detail perspective view of the key. Fig. 7 is a vertical longitudinal section of the device. Fig. 8 is a detail sectional view of the locking device and the arm with the bolt in locked position. Fig. 9 is a similar view with the bolt in unlocked position, the key being inserted for releasing the bolt, and Figs. 10 to 17 inclusive illustrate different arrangements of slots for the key bits, and Fig. 18 is a detail cross sectional view.

In carrying out the invention I employ a body or main plate A having a hook B to receive coats, trousers, or other garments and a hat, together with the swinging arm C which operates to secure the hat on the hook B, and thus secure the hat and garments thereon, and an umbrella clasp cooperating with the section E fixed relatively to the body A as shown. The umbrella clasp has the main bar D, pivoted at D<sup>2</sup>, and having a crank D<sup>3</sup>, and the arms D<sup>4</sup>, which cooperate when closed to the position shown in full lines Figs. 1 and 2, with the arms E' in securing an umbrella, and may be opened as indicated in dotted lines Figs. 1 and 2 to release the umbrella.

To operate the clasp D I provide a slide rod F suitably guided on the back of the main plate A, the latter being preferably channeled for such purpose. The rod F is provided near its upper end with a forwardly projecting pin F', which is operated upon by the projections on the swinging arm C as presently described. This swinging arm C when adjusted between the positions shown

in full and dotted lines Fig. 1, operates the umbrella clasp to corresponding positions, this being preferably effected by means of the projections C' on the arm C, engaging on opposite sides of the pin F', and throwing the rod F up when the arm C is adjusted to the position shown in full lines Fig. 1, and forcing said rod down when the arm is adjusted to the dotted line position shown in Figs. 1 and 7, as will be understood from said figures. Thus when the arm C is thrown down to secure the garments on the hook B the umbrella clasp will be adjusted to secure the umbrella or cane.

The arm C is of a special construction and locking devices are provided for securing it in its lowered position as shown in full lines Figs. 1 and 7. The arm it will be noticed has a body portion C<sup>2</sup> which rocks relatively to the lock case G, and a forwardly and downwardly projecting portion C<sup>3</sup> provided at its end with the laterally projecting curved branches C<sup>4</sup> which conform generally to the curvature of a hat and by engagement with the brim thereof will secure a hat on the hook B when the parts are as shown in full lines Fig. 1. The swinging arm also has a forwardly projecting handle portion C<sup>5</sup> by which it may be conveniently operated between the full and dotted line positions, and when it is lowered to the full line position shown in Figs. 1 and 7, it is secured by the locking device which I have illustrated in detail in Figs. 3 to 6 inclusive, and 8 to 17 inclusive, and which I will now describe. As shown the lock case G has a back plate G' perforated at G<sup>2</sup> for the spring supporting pins H' on the bolt H. The lock case G also has a forwardly projecting key pin I which is rigid with the lock case G and is preferably non-circular in cross section, being to such end provided with a feather and spline I' as shown in Figs. 3 and 8. The bolt H has a main plate H<sup>2</sup>, the spring supporting pin H' projecting rearwardly therefrom and operating through the opening G<sup>2</sup> in the lock case and receiving the spring H<sup>3</sup> which operates between the lock case and the bolt and operates to move the said bolt normally toward the position shown in Fig. 8, in which studs or projections H<sup>4</sup> on the front face of the bolt H<sup>2</sup> will enter sockets C<sup>6</sup> in the inner face of the body C<sup>2</sup> of the swinging arm C. It will be understood that these sockets C<sup>6</sup> also correspond to the stud projections H<sup>4</sup> of the bolt H and such projec-



tions and sockets may be of any suitable number and as they are eccentric to the axis of the swinging arm, they or any one of them will operate when in the position shown in Fig. 8 to secure the swinging arm and hold the same from turning. The stud projections, however, are so arranged as to register with the corresponding sockets in the swinging arm when the latter is lowered to the locked position shown in Figs. 1 and 7 of the drawings. To unlock the swinging arm, the bolt H is depressed from the position shown in Fig. 8, to that shown in Fig. 9, and this is effected by the key J shown in Figs. 6 and 9 of the drawings. This key has its stem J' in the form of a barrel to slide on the key pin I, and kerfed or slotted at J<sup>2</sup> to receive the feather I' so the key barrel cannot turn on its stem when applied thereto. This key J is provided with one or more bits J<sup>4</sup> corresponding to the guide slots K leading from the key opening K' in the arm C. These slots K may be provided in any suitable number and in the form of plates secured to the body of the swinging arm as shown in Fig. 5. In Figs. 10 to 17 inclusive I show a series of these plates with the guide slots in different numbers and arrangement, which manifestly may be extended to any desired degree, and these guide slots are so arranged relatively to the bits of the key that the key can only be inserted and removed when the swinging arm is in its lowered or locked position. By this construction by varying the combination of the guide slots of the several racks of the series the key of one lock will not operate any other lock and by changing the position, number and grouping of the slots K the different combinations can be run to the hundreds. The lock and key are correspondingly numbered or lettered so that when a person hangs his hat, coat, umbrella etc. on the hook and pulls down the swinging guard arm he can remove the key and keep it as a check. In removing the garments he simply inserts the key, pushes back the main plate and raises the guard arm. The key will then be held in the lock until the guard arm is again adjusted to the locked position. In operation the hat is the last article to be placed on the rack before adjusting the guard arm to the locked position.

The barrel of the lock case is provided with circumferential slots, and the body of the swinging arm fits in said barrel and is held by screws C<sup>10</sup> passing through the slots C<sup>11</sup> of the barrel and entering the body of the swinging guide arm as shown in the drawings.

I claim—

1. A rack substantially as described comprising a body portion having a garment supporting hook, an umbrella clasp having a main bar and a crank arm, a slide rod for operating said crank arm and having a forwardly projecting pin, a swinging arm having a downwardly projecting portion, and laterally curved branches carried thereby and adapting the same to the brim of a hat placed on said hook, the said swinging arm having a body portion provided with means operating upon the forwardly projecting pin of the slide rod, the said body portion of the swinging arm being also provided with a key opening and the guide slot or slots leading therefrom, a bolt having a forwardly projecting stud or studs to engage the swinging arm, and a rearwardly projecting spring supporting pin, a lock case having a key pin non-circular in cross section to receive a barrel key, and also having its back plate provided with openings for the spring supporting pin of the bolt, and a spring bearing between the bolt and said back plate for normally advancing the bolt, substantially as set forth.

2. The combination with a lock case and swinging arm, of a bolt operating between the case and the arm, and spring pressed into engagement with the arm, the arm having a key opening and a slot or slots leading therefrom to receive a key, the key and lock case being provided with means whereby to prevent the key from turning and to permit the longitudinal movement of the key to release the bolt.

3. The combination of a lock case having a base plate provided with openings, and a key pin having a feather, a bolt having a main plate slidable along the key pin and provided on its rear side with spring supporting pins movable through the openings in the base plate, and provided on its front face with a stud or studs, springs on the pins and between the bolt plate and the base plate, and a swinging arm socketed to receive the studs on the bolt plate, and having a key hole provided with a slot or slots to receive a bit of the key, all substantially as set forth.

4. The combination of a bolt case, a swinging guard arm, a laterally movable bolt in the case to engage the guard arm, a spring or springs for actuating the bolt, and a push key for releasing the bolt, substantially as set forth.

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Witnesses:

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