

No. 820,191.

PATENTED MAY 8, 1906

R. H. HEBERLING.  
COAT, HAT, AND UMBRELLA LOCK.  
APPLICATION FILED DEC. 26, 1905.

Fig. 1.

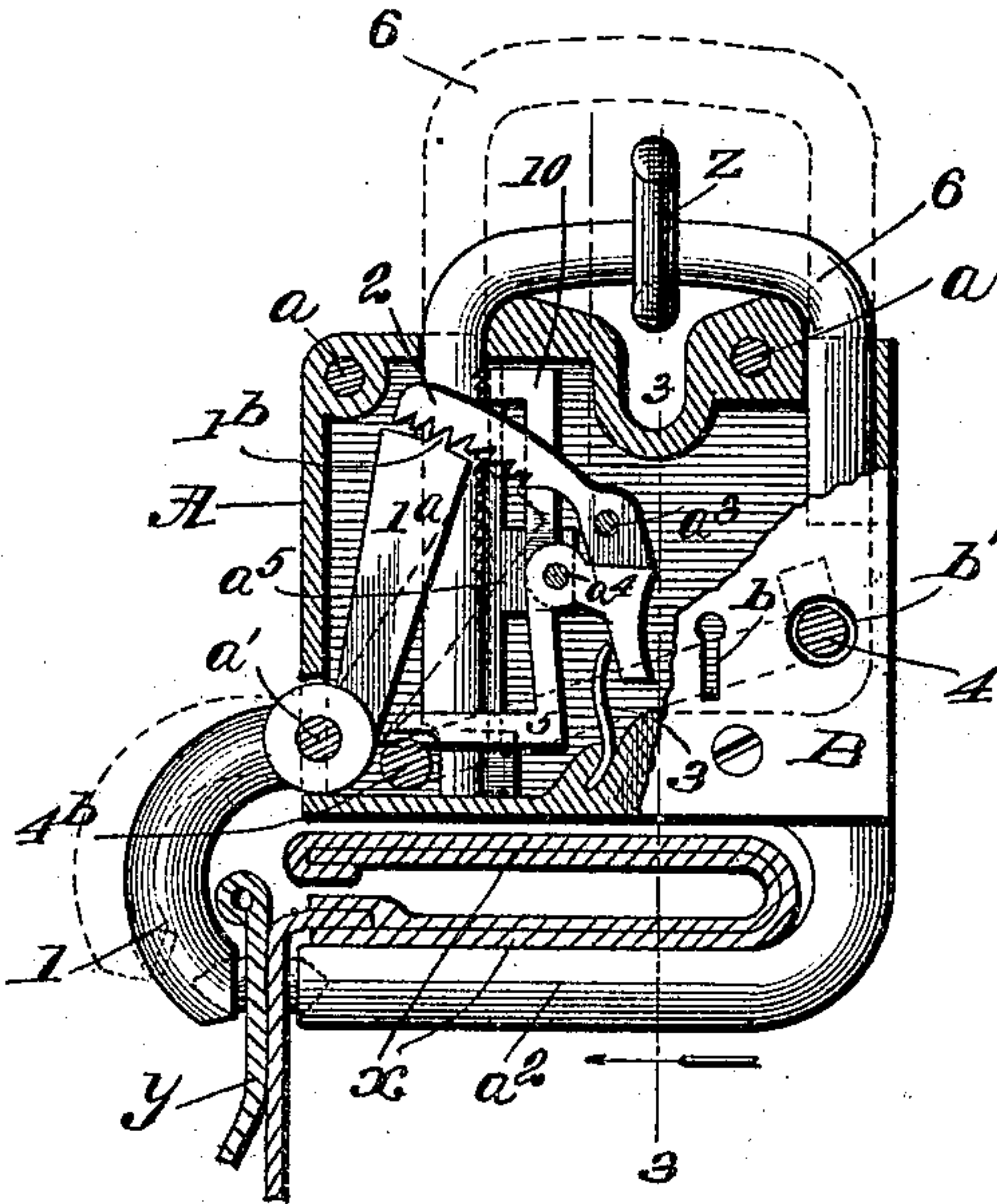


Fig. 2.

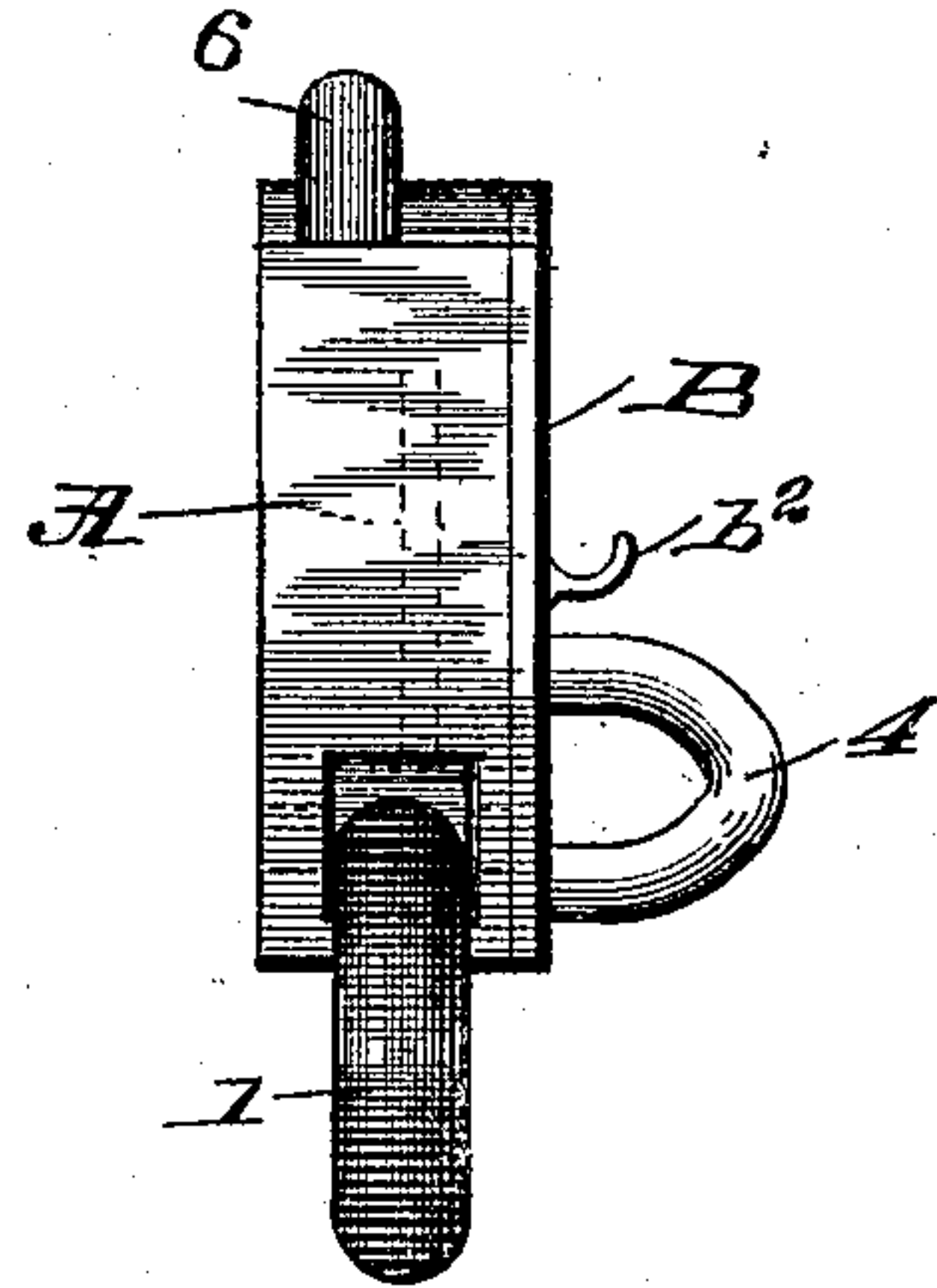


Fig. 3.

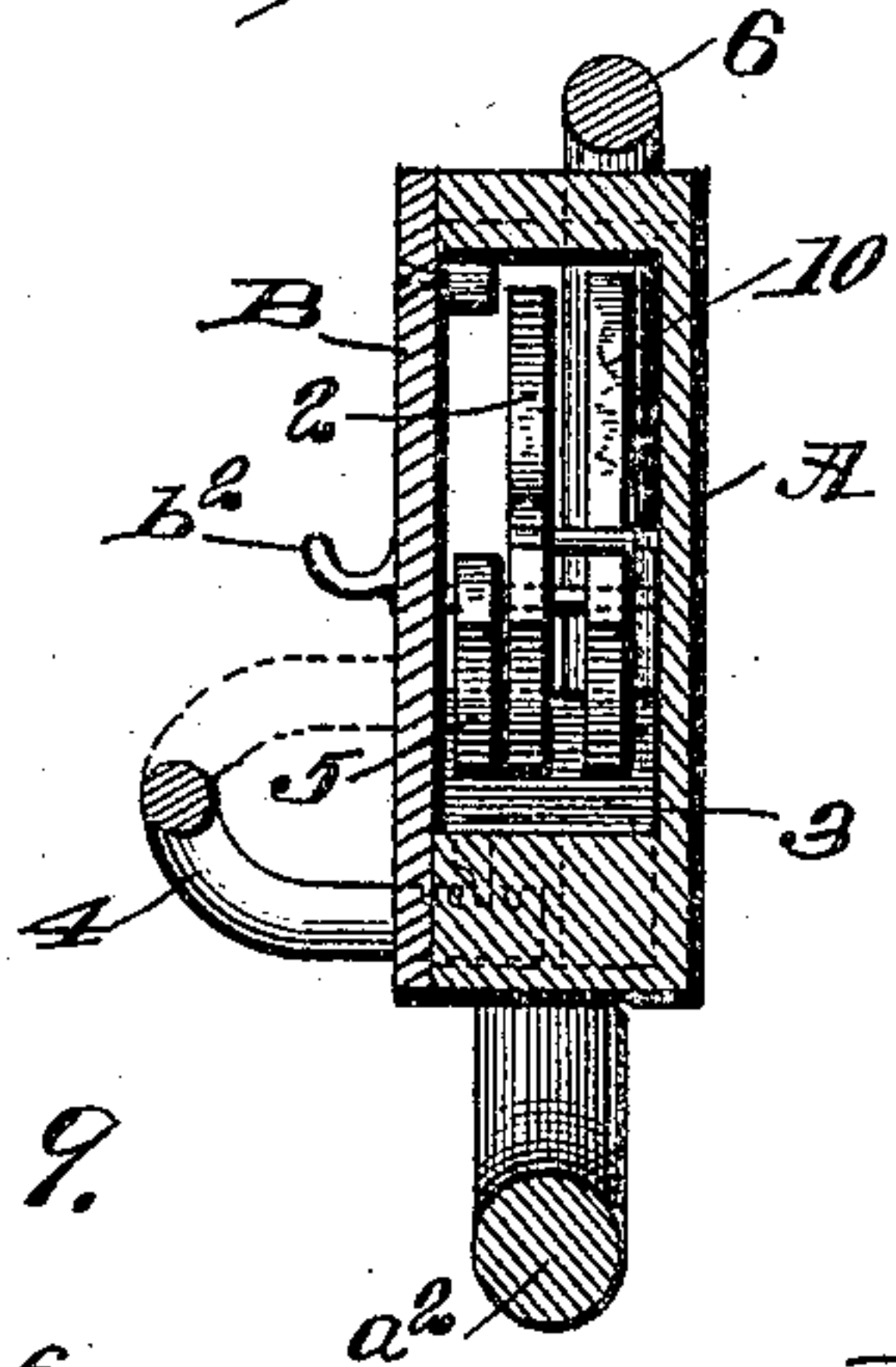


Fig. 6.

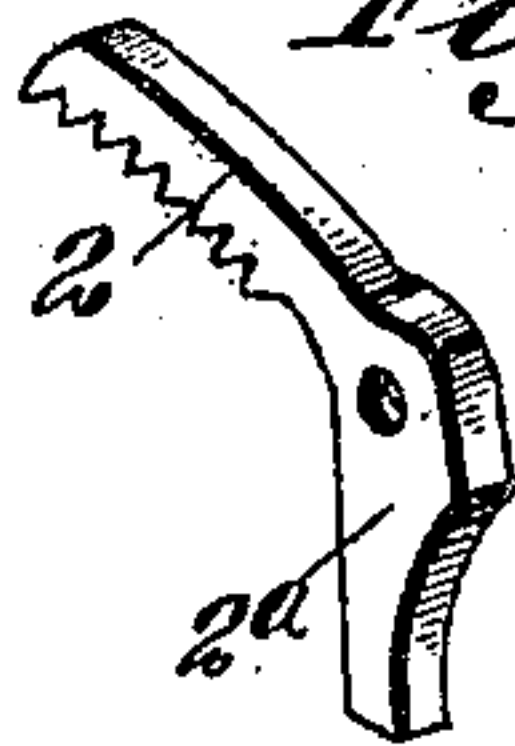


Fig. 5.

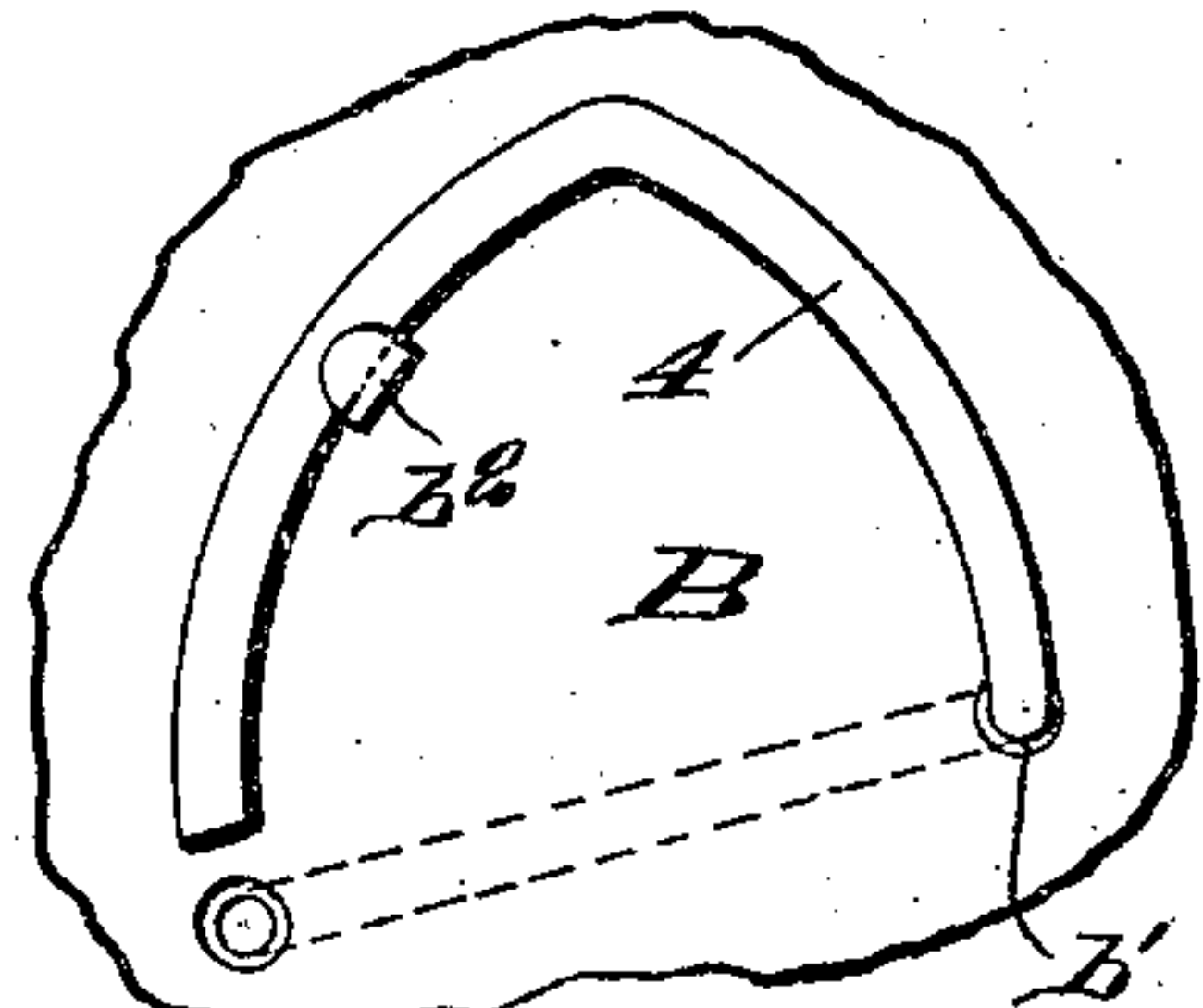


Fig. 9.

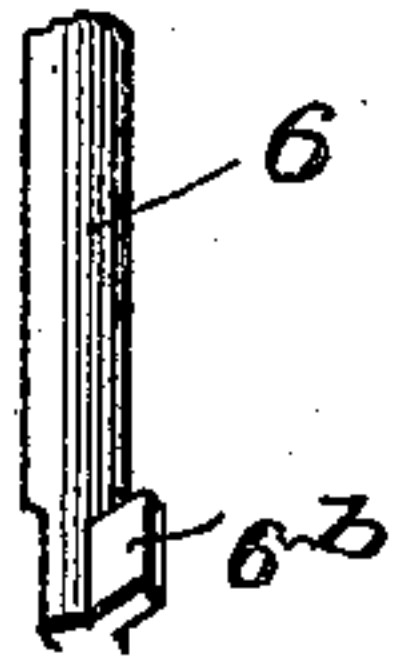


Fig. 8.

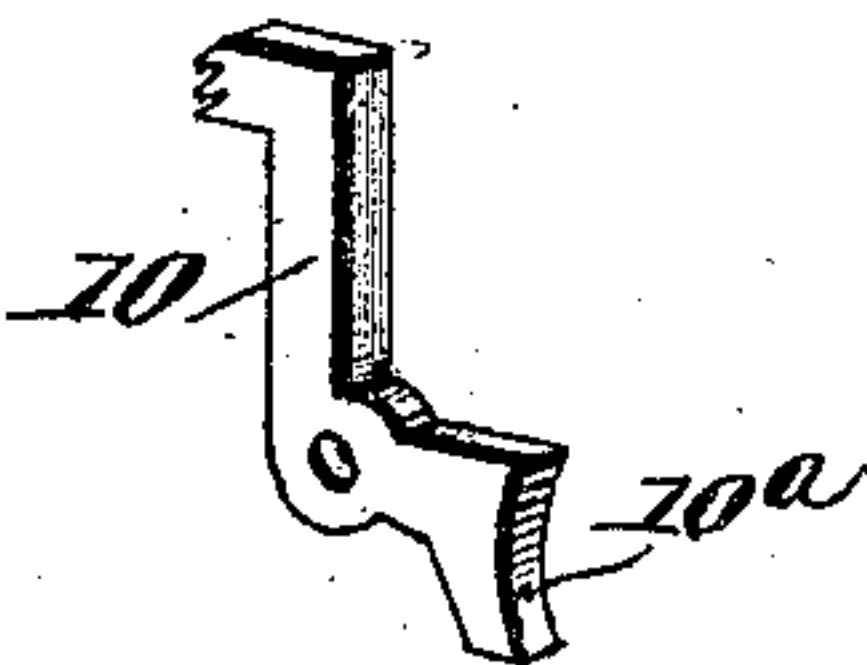
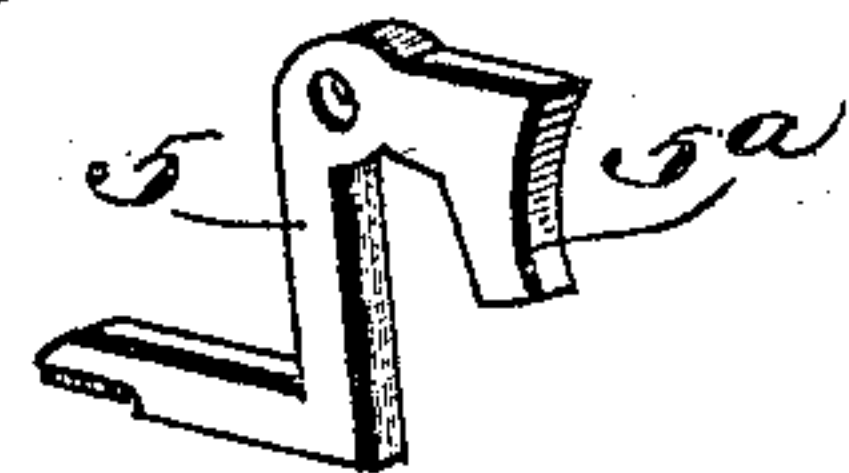


Fig. 7.



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# UNITED STATES PATENT OFFICE.

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ONE-HALF TO MARTIN L. JENNINGS, OF PITTSBURG, PENNSYLVANIA.

## COAT, HAT, AND UMBRELLA LOCK.

No. 820,191.

Specification of Letters Patent.

Patented May 8, 1906.

Application filed December 26, 1905. Serial No. 293,272.

*To all whom it may concern:*

Be it known that I, RALPH H. HEBERLING, a citizen of the United States, and a resident of Wilmerding, in the county of Allegheny and State of Pennsylvania, have invented an Improved Coat, Hat, and Umbrella Lock, of which the following is a specification.

My invention is embodied in the construction, arrangement, and combination of parts hereinafter described, and illustrated in the accompanying drawings, in which—

Figure 1 is a view of the lock with the front face mainly removed or broken away. Fig. 2 is an edge view of the same. Fig. 3 is a longitudinal section on the line 3 3 of Fig. 1. Fig. 4 is a sectional view illustrating the construction and attachment of the umbrella-lock proper. Fig. 5 is a face view of a portion of the lock, showing the umbrella-lock proper adjusted as when not required for use. Figs. 6, 7, 8 are perspective views of three locking-pawls. Fig. 9 is a perspective view of one end of a hasp or device for securing the lock proper to a ring or hook.

For convenience of distinction of the several parts of the lock the fixed portions are designated by letters and the movable parts by numerals.

The casing of the lock is substantially rectangular. A indicates the body of the same, and B a removable face-plate, the two being secured together by rivets  $a$  and  $a'$  and the latter serving as a pivot for the curved arm 1, which extends outside the lock proper and serves along with a fixed arm  $a^2$  to clamp and secure articles of clothing. In other words, the body of the lock has a curved arm  $a^2$ , which extends downward and is parallel to its lower side, and the curved arm 1 is so proportioned and arranged that its free end is directly opposite the corresponding end of the arm  $a^2$ . The said ends are provided with rubber blocks, which come in direct contact with the garments. In this instance  $x$  indicates the collar of a coat, and  $y$  the brim of a hat, which are shown clamped between the parts 1 and  $a^2$ .

The arm 1 is provided with an extension  $1^a$ , which lies within the casing and extends upward therein, its extremity being provided with a tooth  $1^b$ . A pawl 2 (see Figs. 1, 3, and 6) engages the said tooth  $1^b$ , it being provided with a series of teeth for this purpose.

The pawl is pivoted at  $a^3$  on a journal forming an integral portion of the back of the lock. Its shank  $2^a$  is extended downward and curved on the rear side which is adjacent to the keyhole-slot  $b$  in the face-plate B. A spring 3 bears against the shank  $2^a$ , and thus tends to press the toothed portion of the pawl 2 into engagement with the shank  $1^a$  of the pivoted arm 1.

The device for holding and locking the umbrella is indicated by the numeral 4 in several figures. It consists of a small metal bar or rod which is practically U shape and adapted when in horizontal position, as shown in Figs. 2 and 4, to project from the face of the lock. One end,  $4^a$ , is bent at a right angle and lies within the face-plate B, which is provided with an opening  $b'$ , whose outer edge is beveled to allow free movement of the locking device 4 both laterally and vertically. The other end of the device 4 is provided with a series of notches  $4^b$  and is engaged by a locking-pawl 5. (See Figs. 1 and 7.) The said pawl 5 is approximately S shape, it being journaled at its middle angle on a pivot  $a^4$ , forming an integral projection of the lock-body A. The shank  $5^a$ , which extends laterally to the right, is curved corresponding to the shank  $2^a$  of the pawl 2, before described. The spring 3 bears upon this shank, the same as upon the shank of the pawl 2. When an umbrella is inserted between the device 4 and the face B of the lock, the notched end of the device is pushed in until the umbrella is tightly clamped, and in this operation it is obvious the pawl 5 will ride over the notches, which are suitably inclined for the purpose, and will automatically engage the one nearest the face-plate B, and thus securely lock the umbrella. By inserting a key in the slot  $b$  of face-plate B and rotating the same it is obvious the pawls 2 and 5 will be turned on their pivots, so as to release the curved arm 1 and also the device 4, so that a coat, hat, and umbrella may be released simultaneously. Upon drawing out of the casing the notched end  $4^b$  of the umbrella-lock 4 the latter may be swung upward, so as to lie flat against the face-plate B, as shown in Fig. 5, and in such position it may be supported by a notched lug  $b^2$ . (See also Fig. 3.) This is the normal position of the umbrella-lock when not required for use,



and it is obvious that it is thus held out of the way and so that the lock as a whole is in the most compact form practicable.

The means for securing the lock to a ring 5 or any other suitable securing device which may be fixed in a wall, as shown at *z*, Fig. 1, is in the nature of a U-shape hasp 6, one arm or leg of which is shorter than the other, as represented in Fig. 1. The longer arm is provided with notches on its inner side for engagement of a locking pawl 10, which is journaled on the same pivot as the pawl 5 and is similarly provided with a lateral arm 10<sup>a</sup>, which is curved in coincidence with the corresponding portions of the pawls 2 and 5, before described. Thus the pawl 10 is, like them, adapted to be actuated by a key and is also similarly held normally engaged with the hasp 6 by means of the spring 3. It is apparent that by inserting a key and rotating it into engagement with the shank 10<sup>a</sup> of pawl 10 the hasp may be released from the lock proper. The longer leg of the hasp 6 (see Figs. 1 and 9) is provided with a lateral projection or lug 6<sup>b</sup>, which when the hasp is arranged as shown in Fig. 1 projects toward the spring 3, but if the hasp be partially withdrawn and rotated a quarter-way round, the said lug 6<sup>b</sup> will come in contact with the inner sloping side of the shank 1<sup>a</sup> of the pivoted arm 1, and the greater the pull the greater will be the leverage applied to such shank, and the effect will be to force the latter farther to the left, as indicated by arrow, so that its tooth 1<sup>b</sup> will engage another tooth on the locking-pawl 2 and the grip or clamping action of the arm 1 upon the coat or hat will correspond. When the hasp 6 is returned to a position in the same plane as that shown in Fig. 1 and is engaged with the hook or ring *z*, it may be pressed downward into the lock proper, so as to engage with the pawl 10, as before.

In order that the notched and longer leg of the hasp 6 may not be forced to the right when its lug 6<sup>b</sup> is acting against the shank or inner arm of the clamp 1, as before described, the back of the lock-casing A is provided with a vertical flange or ring *a*<sup>5</sup>, in contact with which the said leg is adapted to slide. The said flange has a central lateral projection from which the pivot *a*<sup>4</sup> of the pawls 5 and 10 projects. The end of the said leg is cut away on the side opposite the lug 6<sup>b</sup>, solely to accommodate the umbrella-lock 4, as will be apparent by inspection of Fig. 1.

What I claim is—

1. The improved lock for the purpose specified, comprising a body having at its lower side a fixed lateral arm, a curved arm pivoted in the side of the casing and adapted to coact with such fixed arm for clamping a garment, the same having a toothed shank extended upward within the casing, a pivoted toothed pawl adapted to engage such toothed shank

and extended downward in position for engagement of a key, an umbrella-lock consisting of a U-shape bar which is pivoted in the face of the casing, its opposite end being toothed and adapted to pass through a slot in the casing, a pivoted pawl which engages the toothed end of the lock and having a shank extended and adapted for engagement with a key, and a U-shape hasp whose legs enter openings in the casing, one of them being provided with teeth, and a pivoted pawl adapted for engaging such toothed portion and having a shank which is coincident with the shanks of the first-named pawls, and a spring bearing upon the shanks of the several pawls, and thus holding them normally in engagement, but adapted to be released by a key, substantially as described.

2. The combination, with the lock-case having a rigid arm spaced therefrom, of a pivoted arm projecting from the lock-casing, and adapted to coact with said rigid arm for holding hats and coats, and having a toothed shank projecting within the casing, a pawl pivoted in the casing and engaging the aforesaid shank, one arm of the pawl extending downward, an umbrella-lock comprising a hasp 4 pivoted at one end to the casing and extending laterally therefrom and having its free end provided with teeth, an angular pawl within the casing, one end engaging the toothed portion of said hasp within the casing and the other extending alongside the first-named pawl so that both may be acted upon simultaneously by a key, and a spring bearing upon both pawls for holding them duly engaged, substantially as described.

3. The combination, with the casing provided with a fixed arm at its lower side and with openings in its upper end, of a U-shape hasp whose longer leg is provided with notches and also at its extremity with a laterally-projecting lug, a pivoted pawl which engages the hasp and is provided with a laterally-extended shank adapted for the action of a key thereon, a pivoted arm projecting from the lock-casing and adapted to engage the aforesaid fixed arm and provided with a toothed shank that extends upward within the casing alongside the longer leg of the hasp and at a slight angle thereto, and a pivoted pawl for engaging the shank, whereby when the hasp is partly withdrawn and rotated, its lug engages the shank of the pivoted arm and forces the latter into closer engagement with the articles of clothing, substantially as described.

4. The improved lock comprising a casing having a fixed and laterally-extended arm, a movable arm which is pivoted in the casing and extends outward for engagement with such fixed arm, the movable arm having an upwardly-extended toothed shank within the casing, a securing-hasp which is U shape and slidable in the casing, its longer leg being



toothed and provided with a lug extending laterally, an umbrella-lock comprising a U-shape bar which is pivoted in the face of the lock and whose free end is notched and  
5 adapted to slide through a slot in the face, and toothed pawls pivoted within the casing and adapted to severally engage with and lock the pivoted arm, the hasp and the umbrella-lock as described, such pawls having  
10 laterally and downwardly extended shanks whose outer sides are coincident or flush, a spring acting upon such shanks and tending

to hold the several pawls in their several engagements, the lock-casing having a keyhole adjacent to such shanks, whereby a key introduced thereinto will act on the several  
15 shanks simultaneously for effecting simultaneous release of the several locking devices, substantially as described.

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Witnesses:

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