No. 631,937. Patented Aug. 29, 1899.

L. A. McCORD.

HAT, COAT, AND UMBRELLA HOOK.

(Application filed June 1, 1899.)

(No Model.)

Fig. 4.

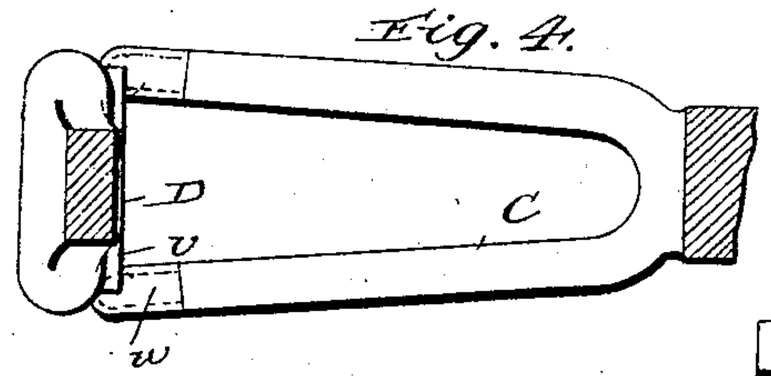


Fig. 1.

Fig. 3.

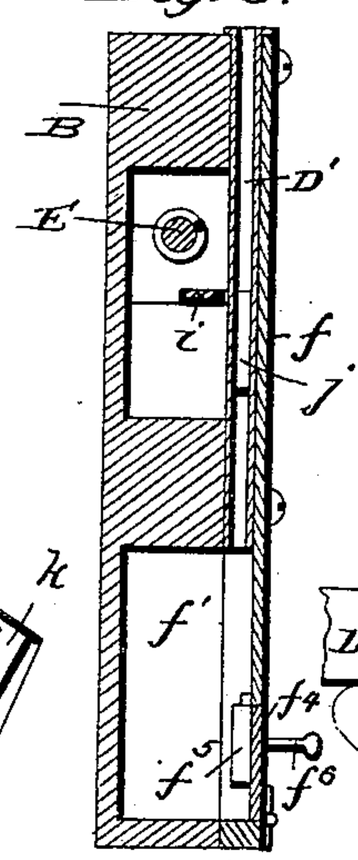


Fig. 2.

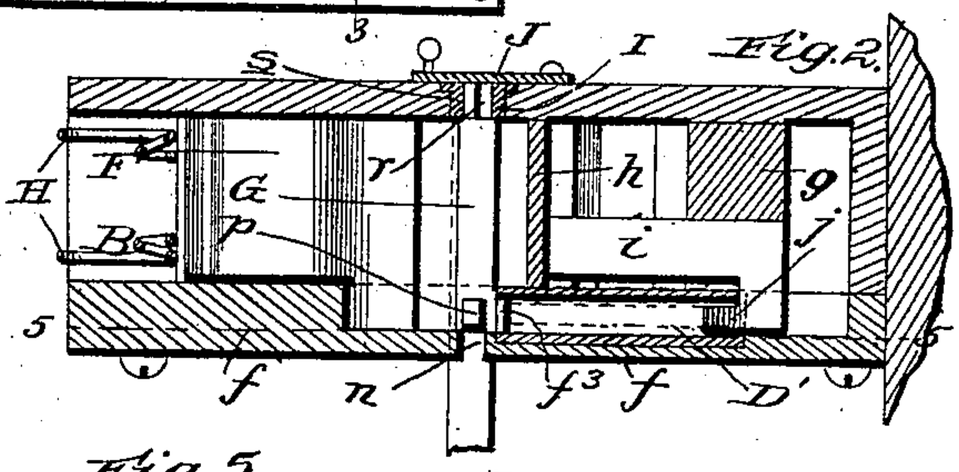


Fig. 6.

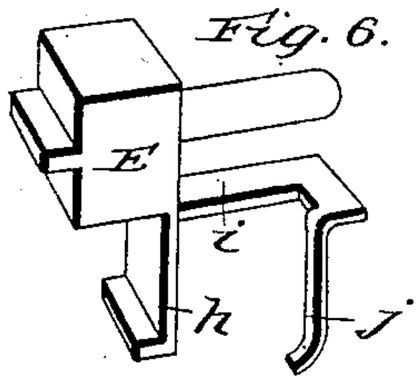


Fig. 7.

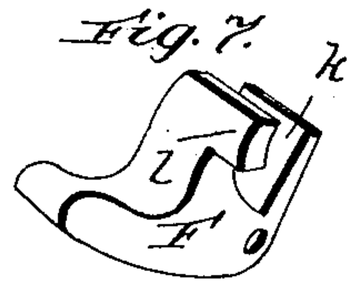
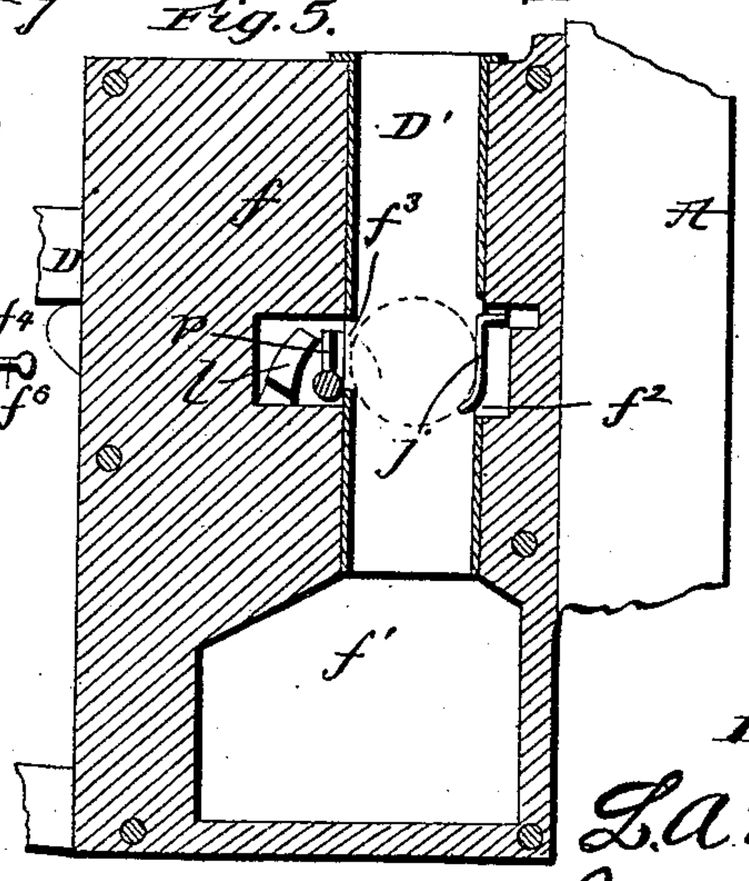


Fig. 8.

Fig. 5.



Witnesses:
C. E. Raeder
J. G. Cooney

Inventor
L. A. McCord.
By James J. Shelby
Attorney

UNITED STATES PATENT OFFICE.

LUTHER A. McCORD, OF LAURENS, SOUTH CAROLINA, ASSIGNOR OF TWO-THIRDS TO JOHN D. ADAMS AND GEORGE F. YOUNG, OF SAME PLACE.

HAT, COAT, AND UMBRELLA HOOK.

SPECIFICATION forming part of Letters Patent No. 631,937, dated August 29, 1899.

Application filed June 1, 1899. Serial No. 719,014. (No model.)

To all whom it may concern:

Be it known that I, LUTHER A. McCORD, a citizen of the United States, residing at Laurens, in the county of Laurens and State of South Carolina, have invented new and useful Improvements in Hat, Coat, and Umbrella Hooks, of which the following is a specification.

My invention relates to that class of sectional hooks which are designed to be locked in a closed position to hold hats, coats, and other articles against removal by unauthorized persons, and it is designed more particularly as an improvement upon the sectional hook disclosed in my contemporary application filed April 12, 1899, Serial No. 712,743.

The general object of my present invention is the provision of a sectional hook embracing such a construction that a special key and a coin of predetermined denomination are necessary to operate it.

Other advantageous features of the invention will be fully understood from the following description and claims when taken in conjunction with the annexed drawings, in which—

Figure 1 is a side elevation of my improved hook with the face-plate of the body or casing removed. Figs. 2, 3, and 4 are sections taken in the planes indicated by the lines 2 2, 3 3, and 4 4, respectively, of Fig. 1. Fig. 5 is a section taken in the plane indicated by line 5 5 of Fig. 2. Fig. 6 is an enlarged perspective view of the locking-bolt of the device. Fig. 7 is a similar view of the key-securer. Fig. 8 is an enlarged perspective view of the bushing which renders necessary the employment of a special key.

Referring by letter to said drawings, A is a support, which may be the wall of an apartment or a board affixed thereto.

B is the body or lock-casing of my improved hook, which is fixedly secured by screws *a* or other means to the support A, and C is the lower section or arm of the hook, which is fixedly connected to and extends out from the lower portion of the body or casing, as shown. This section or arm C is bifurcated, as shown in Fig. 4, and is therefore adapted when its outer end is closed by the retaining section or arm to support and at the same time hold umbrellas and other headed articles against removal by unauthorized persons.

D is the retaining section or arm. This arm is enlarged or headed at its outer end, as indicated by *b*, so as to enable it to close the mouth or outer end of the fixed and bifurcated section C, and its inner end is also enlarged, as indicated by *c*, and is pivotally mounted in the body or casing B in order to adapt it to swing in a vertical plane. The enlargement *c* of arm D is circular in form and is provided with a plurality of depressions *d* and a comparatively shallow depression *e*, the latter being the uppermost of the series, as shown, for a purpose presently described.

D is coin-chute which is arranged between the face-plate *f* and the main portion of the casing B and extends from the upper side of said casing to a coin-receptacle *f'*, formed therein. The coin-chute is provided in its transverse walls, at an intermediate point of its length, with openings f^2 f^3 for a purpose presently described, and the coin-receptacle is provided with a door f^4, connected in a hinged manner and controlled by a lock f^5 and a key f^6.

E is a spring-backed locking-bolt which is arranged in a guide *g* in casing B and is provided with a depending arm *h* and also with a rearwardly-extending arm *i*, which terminates in a depending portion *j*, and F is a pivotally-mounted key-securer which is provided with arms *k l* and has a weighted portion *m*, the purpose of which latter is to rock the securer in the direction indicated by arrow, when the bolt assumes the position shown in Fig. 1, and thereby carry the arm *l* out of alinement with the keyhole *n* in the face-plate, so as to permit of the ready introduction or removal of a key G, presently described.

When the bolt E is seated in the shallow depression *e* of the hook-section D and said section rests in its upper or open position, the arm *k* of the key-securer F rests coincident with the keyhole *n* and against the web *p* of the key G, and thereby prevents the removal of the said key. When the parts are in the position just stated and it is desired to use the hook, the operator drops a coin of prede-

termined denomination in the chute D'. Such coin assumes a position between the web of the key and the terminal *j* of the bolt-arm *i* and when the key is turned toward the right serves to move the bolt in a similar direction, and thereby disengages the bolt from the section D and permits of said section being swung down upon the section C, as shown in Fig. 1, to secure a hat, coat, or other article placed on said section C. When the section D is in the last-named position, the bolt E moves forwardly into engagement with the lowermost depression *d* thereof, and the key-securer gravitates to the position shown in Fig. 1, so as to permit of the removal of the key G by the person who placed his hat or coat in the hook and the free introduction of said key by such person when he desires to open the hook and remove his coat or hat. In order to move the bolt rearwardly, and thereby release the section D when the same is in its closed position, the user has to drop a coin in the chute D' and then turn the key toward the right, when the key, acting against the coin, will move the bolt and release the section D, after which the coin will be released and permitted to fall down the chute to the coin-receptacle. It will be appreciated from this that the key and a coin are necessary to release the section D when the same is in its open position and that the key and a second coin are necessary to release the said section when the same is in its lowermost or closed position.

In order to raise the hook-section D when the same is released, I provide a spring H, which is connected to the casing B and bears against the under side of the section, as shown. This spring is calculated when the section D is released to raise said section and move the depression *e* into a position coincident with the forward reduced portion of the bolt E.

As best shown in Fig. 2, the key G has a forward end *r* of angular form in cross-section. Such forward end is designed to take into a similarly-shaped socket *s* in a rotary bushing I, which is journaled in the back wall of the casing and is secured in position by a retaining-plate J, pivotally connected to said wall. It will be seen that in order to place the web of the key in a position to engage a coin deposited in chute D' it is necessary that the end of the key enter the socket of the bushing I. It will also be seen that by providing the devices with bushings having sockets of different configurations in cross-section they can only be operated by their respective special keys.

In order to prevent injury to coats, hats, and other articles interposed and clamped between the retaining section or arm D and the fixed section or arm C, I provide the section D with a cushion *v*, of rubber or other suitable material, and cover the ends of the bifurcated portion of section C with nipples *w*, of rubber or other yielding material. The cushion *v* has a dovetail portion let into a similar groove in the section or arm D and secured by cement or other suitable means, while the nipples *w* are secured on the section C by cement or other means.

When it is desired to adapt the hook to hold umbrellas and other headed articles, it is obvious that the section or arm C may be of any suitable form.

Having described my invention, what I claim and desire to secure by Letters Patent is—

1. In a hook for the purpose described, the combination of a body or casing having an article-supporting arm and also having a key-hole, a coin-chute arranged in the body and having openings in two opposite walls at an intermediate point of its length, a retaining-arm pivoted in the body and having one or more depressions in its inner end portion, a spring-backed locking-bolt arranged in the casing in a position to engage the depression or depressions of the retaining-arm and having a portion adapted to normally extend through one opening of the coin-chute; the other opening of the said chute being designed for the play of the web of a key introduced through the keyhole, substantially as specified.

2. In a hook for the purpose described, the combination for a body or casing having an article-supporting arm and also having a key-hole, a bushing journaled in the body or casing in a position coincident with the keyhole and having a socket of angular form in cross-section, a coin-chute arranged in the body or casing and having openings in two opposite walls at an intermediate point of its length, a retaining-arm pivoted in the body or casing and having one or more depressions in its inner end portion, a spring-backed locking-bolt arranged in the casing in a position to engage the depression or depressions of the retaining-arm and having a portion adapted to normally extend through one opening of the coin-chute; the other opening of the said chute being designed for the play of the web of a key, and the angular socket of the bushing being designed to receive the correspondingly-shaped forward end of said key, substantially as specified.

3. In a hook for the purpose described, the combination of a body or casing having an article-supporting arm and also having a key-hole, a bushing journaled in the body or casing in a position coincident with the keyhole and having a socket of angular form in cross-section, a coin-chute arranged in the body or casing and having openings in two opposite walls at an intermediate point of its length, a retaining-arm pivoted in the body or casing and having depressions, one of which is of a less depth than the other, a spring-backed locking-bolt having an arm and also having a portion adapted to normally extend through

one of the openings of the coin-chute; the other opening of said chute being designed for the play of the web of a key, and the angular socket of the bushing being designed to receive the correspondingly-shaped forward end of said key, a gravitating key-securer arranged in the body or casing in a position to engage the web of the key and be engaged by the arm of the bolt, and a spring for raising the retaining-arm when the same is released, substantially as specified.

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

LUTHER A. McCORD.

Witnesses:
GRAFTON L. McGILL,
JESSIE G. CRONEY.