

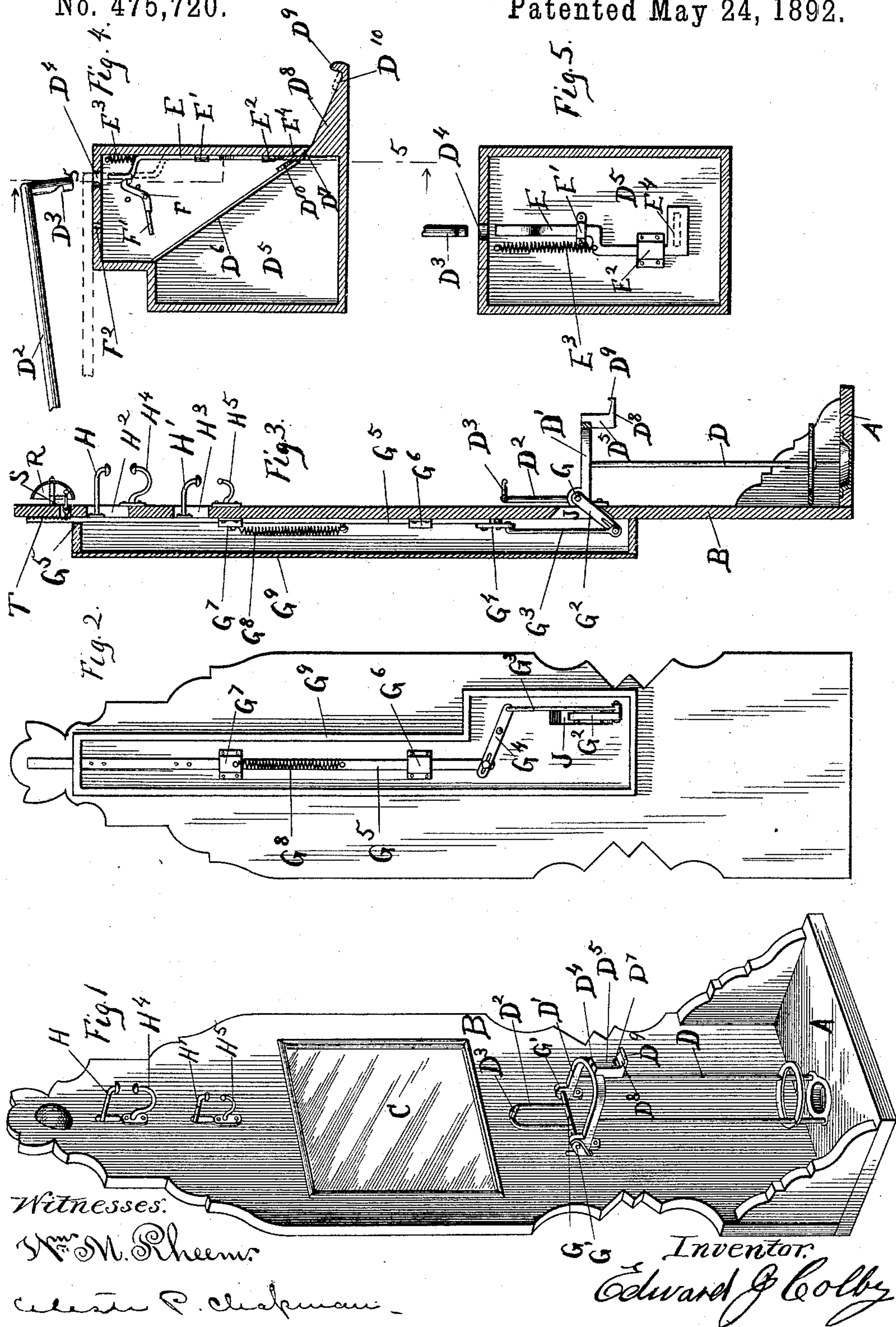
(No Model.)

E. J. COLBY.

LOCKING RACK FOR UMBRELLAS, COATS, HATS, &c.

No. 475,720.

Patented May 24, 1892.





# UNITED STATES PATENT OFFICE.

EDWARD J. COLBY, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE COLBY SPECIALTY SUPPLY COMPANY, OF SAME PLACE.

## LOCKING-RACK FOR UMBRELLAS, COATS, HATS, &c.

SPECIFICATION forming part of Letters Patent No. 475,720, dated May 24, 1892.

Application filed June 25, 1891. Serial No. 397,442. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD J. COLBY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Locking-Racks for Umbrellas, Coats, Hats, and the Like, of which the following is a full, clear, and exact specification.

My invention relates to devices for securing umbrellas, coats, hats, and the like, and has for its object to provide convenient and simple means whereby such articles may be secured in position in hallways, hotels, and the like. It is illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view. Fig. 2 is a rear elevation. Fig. 3 is a vertical section. Fig. 4 is a detail section through the locking-box. Fig. 5 is a detail cross-section through the lock-box on the line 5 5.

Like parts are indicated by the same letters in all figures.

A is a base and B the back board; C, a mirror thereon.

D is an umbrella-rack having the upper rigid loop portion D' and pivoted locking-loop D<sup>2</sup>, with the outer hook D<sup>3</sup>, adapted to pass through the slot D<sup>4</sup> in the upper portion of the locking-box D<sup>5</sup>. Within this lock-box is an inclined surface D<sup>6</sup>, which leads to the aperture D<sup>7</sup>, which opens upon the inclined surface D<sup>8</sup>, provided with a lower ledge D<sup>9</sup> to receive and retain the check or key D<sup>10</sup>.

E is a slide within a lock-box moving in the guides E' E<sup>2</sup> and upwardly drawn by the spring E<sup>3</sup>, provided at its lower end with the plate E<sup>4</sup>, which is adapted to close the aperture D<sup>7</sup>. This slide E is adapted to pass through the aperture D<sup>4</sup> above, but is normally held in its downward position by the hook D<sup>3</sup> when engaged by the pivoted catch F, the rear end of which is provided with a plate F' beneath the aperture F<sup>2</sup> in the top of the lock-box. The loop D<sup>2</sup> is rigid upon the shaft G, pivoted at G' G', and rigid upon this same shaft is the arm G<sup>2</sup>, connected by a slot to the rod G<sup>3</sup>, the upper end of which is connected with the pivoted lever G<sup>4</sup>, which is connected by a slot with the sliding bar G<sup>5</sup> G<sup>5</sup>. This bar passes through the guides G<sup>6</sup> G<sup>7</sup> and is upwardly drawn by the spring G<sup>8</sup>. These lat-

ter-mentioned parts are contained in the box G<sup>9</sup> on the back of the back board. To the slide is connected the locking-arms H H', which move, respectively, in the slots H<sup>2</sup> H<sup>3</sup>, and are opposed to the fixed hooks H<sup>4</sup> H<sup>5</sup>. The arm G<sup>2</sup> plays in the slot J. It is evident that these parts could be very greatly changed without departing from the spirit of the invention, and particularly it may be observed that the key or check hereinafter more fully referred to could be of any desired shape and could be arranged so as to unlock the device in various ways, though I have shown it here as adapted to trip by gravity a retaining pawl or catch. Some of the parts may also be dispensed with and the others still operate in substantially the same manner.

R is a bell on the front of the back board, provided with the pivoted clapper S, adapted to be indicated by the ratchet T on the slide G<sup>5</sup>.

The use and operation of my invention are as follows: The device, substantially as illustrated in Fig. 1, may be placed in a hall, or, for example, at the entrance of a dining-room in a hotel. There might of course be any number of such devices, and they might be independently supported or attached to the same frame. The person who desires to make use of the apparatus will place his umbrella in the rack, his coat on the lower hook, and his hat on the upper hook, and will then bring down the locking-loop D<sup>2</sup> until the hook D<sup>3</sup> passes through the aperture D<sup>4</sup> and forces down the slide E against the spring E<sup>3</sup> until the plate E<sup>4</sup> passes down, so as to uncover the slot D<sup>7</sup> and permit the check or key D<sup>10</sup> to pass through such slot out against the ledge D<sup>9</sup>. This motion, however, brings the parts down to the point where the hook D<sup>3</sup> is engaged by the catch or pawl F, so that the parts are thus retained in position, the umbrella being locked down by the catching-loop D<sup>2</sup>. This downward movement of the loop D<sup>2</sup> rocks the arm G<sup>2</sup> upwardly, raises the rod G<sup>3</sup>, rocks the lever G<sup>4</sup>, and lowers the slide G<sup>5</sup> with the hooks H H', which thus engage their opposed hooks and secure the hat and coat.

The bell may be dispensed with or any other device may be employed to give an alarm at the time when the articles are locked



in or when they are released, or on both occasions, if desired.

To reiterate the operation and the explanation of the operation, it may be said that  
 5 when the parts are in the position indicated in Figs. 1 and 4 the key or check  $D^{10}$  is retained within the lock and the securing devices are all open. When the hat, coat, and umbrella have been placed in position, the  
 10 part  $D^2$  will be brought forward into the position shown in dotted lines in Fig. 4. This will carry the slide E down against the action of the spring  $E^3$  in the position shown in dotted lines in Fig. 4, and the hook  $D^3$  will  
 15 be engaged by the end of the pawl  $F'$ , while the slide E is held downwardly by the engagement of the end of the hook  $D^3$  with the top of such slide. By carrying the slide E downward the key or check  $D^{10}$  is permitted to slide  
 20 through this slot out into the position shown in dotted lines. The pawl  $F'$  may of course be greatly varied as to size, form, construction, and the like; but I have simply shown the conventional form to express the idea.  
 25 No mechanic would have a moment's hesitation in constructing the pawl and supporting it so as to accomplish the desired result. The keyhole  $F^2$  and the key  $D^{10}$  and the end of the pawl  $F'$  may of course be greatly varied in  
 30 their construction, location, and arrangement, so as to make it difficult to unlock the device without its proper key; but I have shown the device in its simplest form.

I claim—

35 1. The combination of fixed hat and coat

hooks with opposed arms or hooks, a slide to which the latter are secured, a spring to normally elevate such slide and separate the hooks, and a lever to move the slide down and lock the hooks together to secure the hat 40 and coat, and an umbrella-securing part operatively connected with such slide.

2. The combination of fixed hat and coat hooks with opposed arms or hooks, a slide to which the latter are secured, a spring to nor- 45 mally elevate such slide and separate the hooks, and a lever to move the slide down and lock the hooks together to secure the hat and coat, and an umbrella-securing part operatively connected with such slide, and a 50 hook to automatically secure the umbrella-catch when the same is turned into position to hold the umbrella.

3. The combination of fixed hat and coat hooks with opposed arms or hooks, a slide to 55 which the latter are secured, a spring to normally elevate such slide and separate the hooks, and a lever to move the slide down and lock the hooks together to secure the hat and coat, and an umbrella-securing part op- 60 eratively connected with such slide, and a hook to automatically secure the umbrella-catch when the same is turned into position to hold the umbrella, and a releasing mechanism in such lock adapted to be operated by 65 the key.

EDWARD J. COLBY.

Witnesses:

CELESTE P. CHAPMAN,  
 HARRIET M. DAY.