No. 624,848.

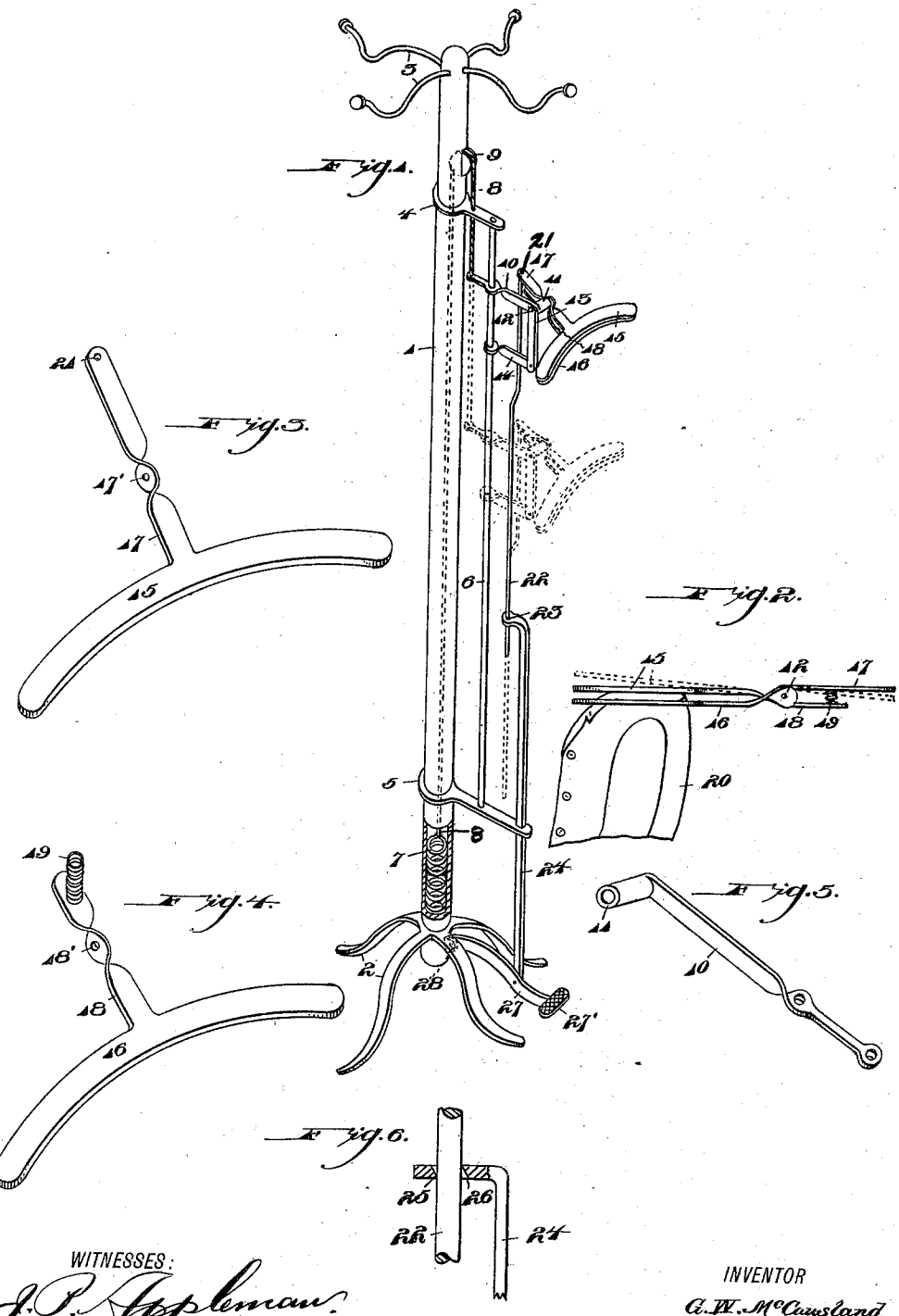
Patented May 9, 1899.

G. W. McCAUSLAND.

COAT AND HAT RACK.

(Application filed Nov. 29, 1898.)

(No Model.)



WITNESSES:

J. P. Appleman.

A. M. Haymaker.

INVENTOR

G. W. McCausland

BY

A. C. Ewart & Co.

ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE W. McCAUSLAND, OF PITTSBURG, PENNSYLVANIA.

COAT AND HAT RACK.

SPECIFICATION forming part of Letters Patent No. 624,848, dated May 9, 1899.

Application filed November 29, 1898. Serial No. 697,741. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. McCAUSLAND, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Coat and Hat Racks, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in hat and coat racks.

The object of my invention is to provide a hat-rack having a coat-tree suitably connected thereto and operating mechanism therefor.

My invention finally consists in the novel combination and arrangement of parts hereinafter more fully described, and particularly pointed out in the claims hereunto appended.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, wherein like numerals of reference indicate corresponding parts throughout the several views thereof, and in which—

Figure 1 is a perspective view of my improved hat and coat rack, showing position of the coat hanger and tree in full lines and in dotted lines in a lowered position. Fig. 2 is a side view of the coat-hanging arms, showing the coat secured thereto. Fig. 3 is a perspective view of the upper coat-hanging arms. Fig. 4 is a perspective view of the lower coat-hanging arms. Fig. 5 is a perspective view of the supporting-rods to which the coat hanger or tree is pivotally secured. Fig. 6 is a side view, partly in section, showing the gripping-jaws for operating the releasing-rod.

Referring to the drawings by reference-numerals, 1 indicates a hollow upright or support, having legs 2 secured to its lower end for supporting the same when in an upright position, and 3 indicates the hat hangers or arms secured to the upper end thereof.

Mounted on the upright 1, near its upper end, is the extension or support 4, and likewise mounted on the rod, near the lower end thereof, is a like extension or support 5, but of greater length than the extension 4. These extensions or supports are held apart by means of the guide-rod 6, which is connected at each end thereto.

Arranged in the lower part of the upright 1 is a coiled spring 7, the upper end thereof being connected to the supporting-cord 8, which operates through the upright and over the pulley-block 9. The outer or free end of the supporting-cord is adapted to be secured to the supporting-arm 10, which operates on the guide-rod 6.

The supporting-arm 10 has formed integral with its free end a sleeve 11 to receive a securing-pin 12. This securing-pin extends beyond each end of the sleeve, and to its one end is connected a link 13, which at its lower end is pivotally connected to an arm 14, mounted and adapted to operate on the guide-rod 6.

The coat tree or hanger consists of an upper hanger arm or bracket 15 and a lower hanger arm or bracket 16. These arms or brackets are slightly bowed, as shown, in order to adapt the same to the coat and have formed integral therewith the supporting-arms 17 and 18, respectively. These supporting-arms are formed at a point central of the length of the brackets on their convex edge, and are each formed with a twist or half-turn, as at 17′ 18′. This is done in order that they may both be mounted upon the pin 12, the arm 18 rigidly and the arm 17 loosely, in order that when pressure is applied to the free end of arm 17 the arm or bracket 15 will be elevated, thus separating the two arms or brackets 15 16 and allowing the removal of the coats. The free end of the supporting-arm 18 has connected thereto on its upper face the coil-spring 19, which abuts against the lower face of the upper arm 17 and is adapted to securely hold the coat 20 in position, as shown in Fig. 2. The upper arm 17 is of a greater length than the lower arm 18, and the free end thereof is adapted to be connected, as at 21, to the releasing-rod 22 for the coat. The free end of the releasing-rod 22 operates through the grip 23, formed on the upper end of the operating-bar 24. The grip 23 is formed with a pair of inclined gripping-jaws 25 26. The bar 24 is operated by the treadle-lever 27, having a foot-tread 27′ formed on its free end, and the inner end of the treadle-lever being pivotally connected to one of the gripping-legs 2, as at 28.

The resistance of the spring 7 is slightly stronger than is required to sustain the

weight of the mechanism for supporting the coat in order that the same may be normally supported in the position shown in full lines in Fig. 1. When, however, pressure is applied to the treadle-lever 27, the bar 24 is actuated and gripping-jaws 25 26 caused to engage the rod 22, separating the arms or brackets 15 16, as before described and as shown in dotted lines in Fig. 2, also overcoming the resistance of spring 7 and drawing the coat-supporting mechanism downward to the position shown in dotted lines in Fig. 1. It will also be observed that by releasing the gripping-jaws by pressure on the treadle-lever the operator may elevate or lower the coat-supporting mechanism by hand at will.

It is thought that the many advantages of my improved hat and coat rack can be readily understood from the foregoing description, taken in connection with the accompanying drawings.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

1. In a hat and coat rack, a hollow upright or support a coil-spring mounted in the lower end thereof, having a supporting-cord connected thereto and operating upward through the upright or support, a coat-tree connected to the free end of said supporting-cord, and means for operating said coat-tree, substantially as shown and described.

2. In a coat and hat rack, a hollow upright or support, a supporting-arm, a coil-spring arranged in said upright or support, a supporting-cord connected at its one end to said spring and at its other end to the supporting-arm, a pair of coat-hangers pivotally connected to said supporting-arm, and operating means connected to said hangers, substantially as described.

3. In a coat and hat rack, the combination of a hollow upright or support, supporting-legs therefor, a pair of extensions mounted upon said upright or support, a coil-spring arranged in the upright or support, a supporting-arm, a cord connected to said supporting-arm and spring, a guide-rod secured in said extensions, a pair of coat-hangers pivotally secured to said supporting-arm, a releasing-rod connected to one of said hangers, and means whereby said releasing-rod is actuated for operating said hangers, substantially as described.

4. In a hat and coat rack, a hollow upright or support a coil-spring arranged therein, a supporting-cord connected at one end to said coil-spring, a coat-tree connected to the opposite end of said supporting-cord, a releasing-rod connected to said coat-tree, an operating-bar having a grip formed on its upper end adapted to operate said releasing-rod, and means for operating said bar, substantially as shown and described.

5. In a device of the character described, a hollow upright or support, a suitable guide-rod connected thereto, a coat-tree operating on said guide-rod and connected to means for elevating and lowering the same, and suitable operating means for said coat-tree, substantially as shown and described.

6. In a coat and hat rack, the combination of an upright or support, a pair of extensions secured to said upright or support, a guide-rod secured in said extensions, a supporting-arm, a pair of coat-hangers pivotally secured to said supporting-arm, means connected to said supporting-arm for normally suspending the hangers in an elevated position, and additional means connected to said hangers for operating the same, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

GEORGE W. McCAUSLAND.

Witnesses:

JOHN NOLAND,

E. W. ARTHUR.