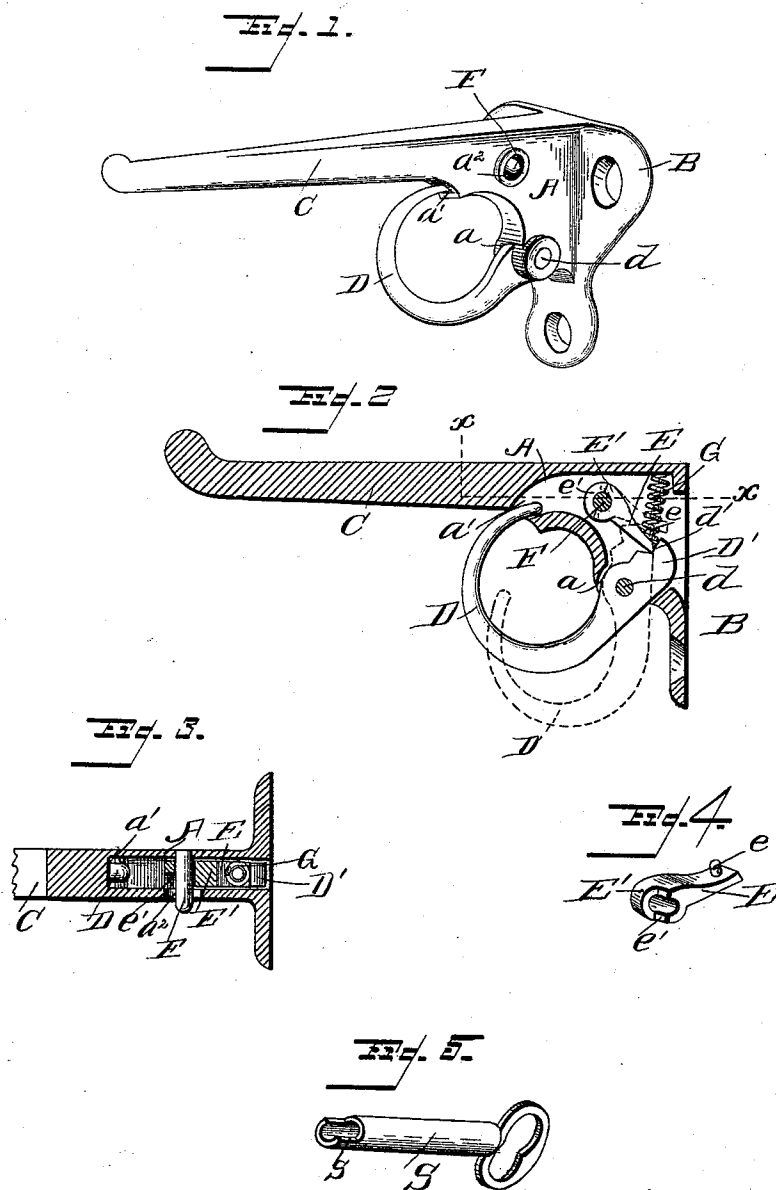


(No Model.)

C. E. VAIL.
HAT AND COAT HOOK.

No. 516,284.

Patented Mar. 13, 1894.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES E. VAIL, OF SALT LAKE CITY, UTAH TERRITORY.

HAT AND COAT HOOK.

SPECIFICATION forming part of Letters Patent No. 516,284, dated March 13, 1894.

Application filed January 21, 1893. Serial No. 459,148. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. VAIL, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and Territory of Utah, have invented certain new and useful Improvements in Hat and Coat Hooks, of which the following is a specification.

This invention relates to hat and coat hooks of that class embodying a rigid suspending arm and a pivoted suspending arm adapted to be locked in closed position.

The object of the invention is to provide simple and improved locking mechanism for the pivoted arm, as will be hereinafter more fully described and particularly pointed out in the claim.

In the drawings—Figure 1 is a perspective view of a hat and coat hook embodying my invention. Fig. 2 is a vertical longitudinal sectional view. Fig. 3 is a sectional view on the line $x-x$, Fig. 2. Fig. 4 is a detail perspective view of the locking pawl. Fig. 5 is a detail perspective view of the key employed in connection with my invention.

Corresponding parts in all the figures are denoted by the same letters of reference.

Referring to the drawings, A designates a casing, which is provided with a securing plate, B, and with an outwardly-projecting, rigid suspending arm, C, all of said parts being preferably formed of metal and cast integral.

D designates a pivoted suspending arm, one end of which projects through an opening, a , in the casing and is fulcrumed upon a pivot-pin, d . The pivoted end of the arm D is provided with an inward extension, D' , having an offset, d' . The exterior portion of this arm is segmentally curved, and when in locked position its outer or free end is seated in a recess, a' , formed in the wall of the casing A.

For securing the arm D in locked position, I provide a pawl, E, the latter being provided with a bearing-head, E' , which is pivotally mounted upon a key-pin, F, the pawl extending in rear of the latter. This pawl is provided at its rear end with an upwardly-pro-

jecting stud, e , upon which is mounted a coil-spring, G, said spring being interposed between the pawl and the upper wall of the casing A and exerting its tension to force the pawl downwardly in contact with the extension D' of the pivoted arm. The side of the casing A adjacent the free end of the key-pin F is provided with an opening, a^2 , of greater diameter than the key-pin, and in practice the key is adapted to be mounted and turn upon the key-pin to release the pawl. To effect the release of the pawl, the bearing head E' of the latter is provided in its outer face with a recess, e' , which is adapted to receive a longitudinal extension, s , at one side of a key, S. The size and shape of the recess e' may be varied in different hooks, thus requiring a specially constructed key for each hook. It will also be obvious that I may provide two or more of such recesses in the bearing-head E' and of varying sizes and distances apart, in which case the key would be provided with corresponding extensions.

The operation and advantages of my invention will be readily understood by those skilled in the art to which it appertains. When the arm D is in locked position, the rear end of the pawl E engages the offset d' and prevents turning of the arm D until the pawl is released from engagement therewith. To unlock the arm D, the key is placed over the key-pin F and turned to engage the extension s with the recess e' . By further turning the key, its extension engages the shoulder at one side of the recess e' and turns the pawl upon the key-pin, thus elevating the rear end of the pawl and releasing the arm D.

I claim as my invention—

As an improved article of manufacture, a hat and coat hook of the class described, comprising a casing provided with openings, a and a^2 , a recess, a' , and a rigid key-pin registering with the opening a^2 , a suspending arm, D, having one end projecting through the opening a and pivoted within the casing, and its opposite end adapted to engage the recess a' , said pivoted end being provided with an

extension, D', having an offset, d', a pawl, E, provided at its forward end with a bearing-head, E', through which the key-pin loosely passes, and with an upwardly-projecting stud, e, at its end, a coil spring, G, encircling said stud and interposed between the pawl and the upper wall of the casing and a hollow key to fit on the rigid key-pin and en-

gage the pawl; substantially as and for the purpose set forth. 10

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

CHAS. E. VAIL.

Witnesses:

J. W. HEYWOOD,

W. H. WHITNEY.