No. 725,082. PATENTED APR. 14, 1903.

H. C. HINCHCLIFF.

COAT HANGER.

APPLICATION FILED OCT. 24, 1901.

NO MODEL.

FIG. 1.

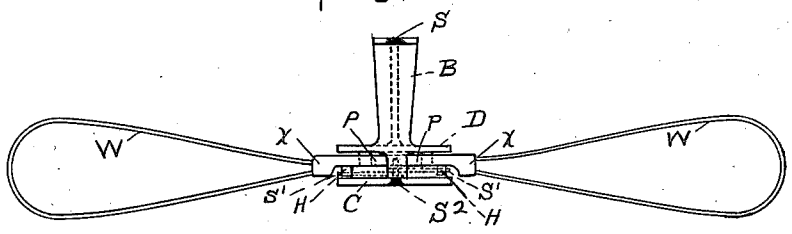


FIG. 2.

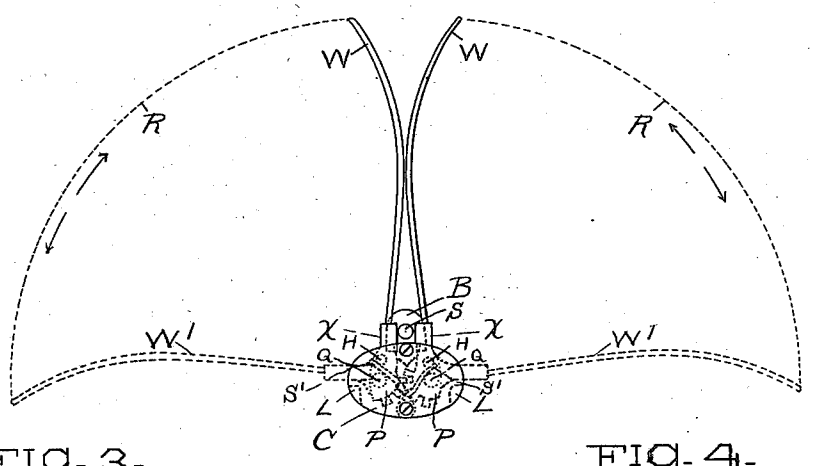


FIG. 3.

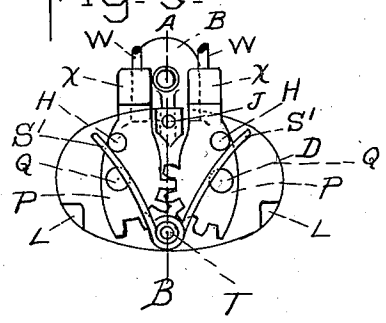
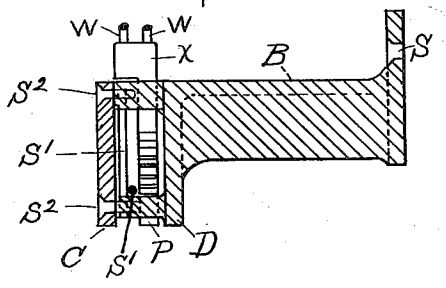


FIG. 4.



WITNESSES:

George E. Post

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INVENTOR

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HENRY C. HINCHCLIFF, OF NEW YORK, N. Y.

COAT-HANGER.

SPECIFICATION forming part of Letters Patent No. 725,082, dated April 14, 1903.

Application filed October 24, 1901. Serial No. 79,814. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. HINCHCLIFF, a citizen of the United States, residing at New York, in the county and State of New York, have invented a new and useful Coat-Hanger, of which the following is a specification.

My invention relates to improvements in coat-hangers, in which the arms readily adjust themselves to the shape of the coat and when released return to their normal position automatically; and the objects of my improvements are, first, to provide a coat-hanger which will readily adjust its arms to the shape of the coat; second, to provide a coat-hanger which will occupy a minimum amount of space when not in use; third, to provide a coat-hanger in which the arms will be in a vertical position when not in use, and, fourth, to afford facilities whereby the arms will immediately return to their normal position automatically when released. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of the coat-hanger as it would appear when in use with its arms W W in a horizontal position. Fig. 2 is a front elevation showing the arms W W in their normal position when not in use, the broken lines W′ W′ showing the position of the arms when a coat is hung upon them, while the arc-lines R R and arrows show the direction of motion. Fig. 3 is an enlarged front view of the body of the coat-hanger with the face-plate C removed and the arms W W broken off, and Fig. 4 is a vertical section on the line A B of Fig. 3.

Similar letters refer to similar parts throughout the several views.

The bracket B with its plate D, together with the face-plate C when fastened together by means of the screws S^2, form the body or framework of the hanger, while the segmental gears P P with their shoulders X X, together with the spring S′, form the working parts. The bracket B is provided with the plate D, which in turn is provided with the studs Q Q, on which the segmental gears revolve, the lugs J and T, which act as separators for the face-plate C and provide means for fastening the face-plate C in position, the lug T also acting as a holder for the spring S′, (see Fig. 3,) and the lugs L L, which also act as separators for the face-plate C, and in a manner act as stops for the shoulders X X of the segmental gears P P, thereby preventing the arms W W from going below the position shown in broken lines W′ W′, Fig. 2.

The segmental gears P P are provided with the bosses H H, against which the spring S′ presses in such a manner as to have a tendency to keep the arms W W in a vertical position, which is readily seen by referring to Fig. 3.

The bracket B is provided with a screw-hole S, whereby it may be fastened to the wall by a screw or otherwise.

Referring to the drawings, it will be seen that the arms W W being fastened to the shoulders X X of the segmental gears P P, the said gears being placed on the studs Q Q and the spring S′ on the lug T, the whole being fastened together by placing the face-plate C in position and fastening it to the lugs J and T by means of screws or rivets, the whole may be fastened to a wall by means of a screw or nail passing through the hole S in the bracket B.

I am aware that prior to my invention coat-hangers have been made with movable arms. I therefore do not claim such a combination broadly; but,

Having explained my invention in such a manner as to enable others skilled in the art to which it appertains to make and use the same, what I do claim as my invention, and desire to secure by Letters Patent, is—

1. A garment-hanger comprising a support, a pair of arms pivotally carried thereby, so as to swing upwardly from a horizontal position, means connecting said arms to cause them to swing in unison, and means to limit the downward movement of said arms to cause them to rest in a substantially horizontal position, substantially as described.

2. A garment-hanger comprising a support, a pair of arms pivotally carried thereby to swing upwardly, gearing connecting said arms to cause them to swing together, and means to limit the downward movement of said arms to cause them to rest in a substantially horizontal position, substantially as described.

3. A garment-hanger comprising a support, a pair of arms pivotally carried thereby, gearing connecting said arms to cause them to

swing together in an upward direction, and a spring connected with said support and said arms to maintain said arms normally in an upwardly-extending position, and means to limit the downward movement of said arms to cause them to rest in a substantially horizontal position, substantially as described.

4. A garment-hanger comprising a support, a pair of arms pivotally carried thereby, a spring carried by said support, and abutments on said arms to receive the arms of said spring, the support for said spring being located on one side of the line of the pivots of said arms, and said abutments being located on the opposite side of said line, whereby the spring can raise the arms to a substantially vertical position, and means to limit the downward movement of said arms, substantially as described.

5. A garment-hanger comprising a support, a pair of arms pivotally carried thereby, gearing connecting said arms, said arms having abutments, and a coil-spring carried by said support, said spring having two arms projecting outwardly from the coil, the arms of said spring bearing upwardly against said abutments respectively to normally maintain said arms in an upwardly-extending position, and means to cause said arms to rest in a substantially horizontal position, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two witnesses.

HENRY C. HINCHCLIFF.

Witnesses:

GEORGE E. POST,

SAMUEL C. REYNOLDS.