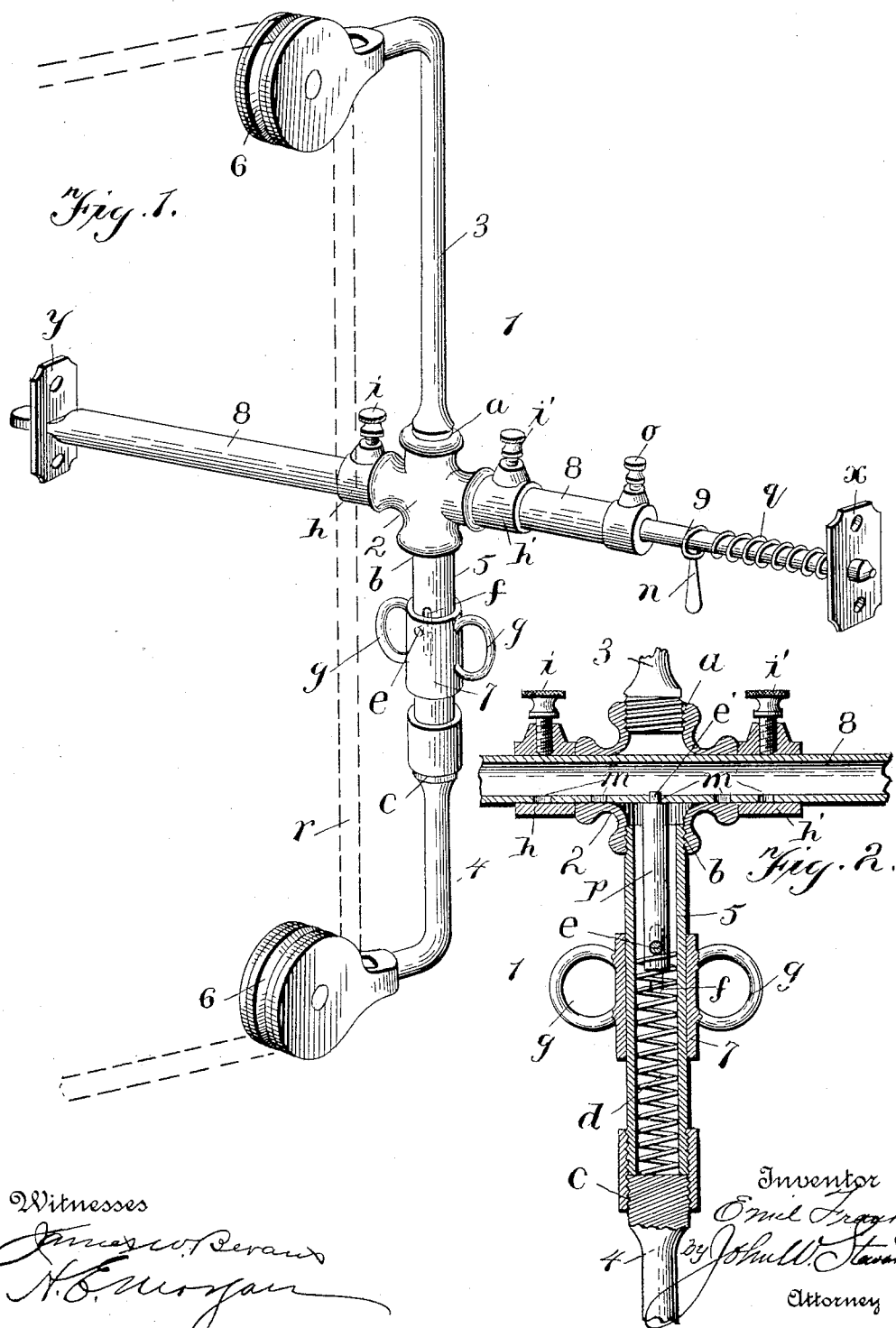


(No Model.)

E. FRANK.
CLOTHES LINE HANGER.

No. 579,973.

Patented Apr. 6, 1897.



UNITED STATES PATENT OFFICE.

EMIL FRANK, OF RAHWAY, NEW JERSEY.

CLOTHES-LINE HANGER.

SPECIFICATION forming part of Letters Patent No. 579,973, dated April 6, 1897.

Application filed November 4, 1896. Serial No. 611,000. (No model.)

To all whom it may concern:

Be it known that I, EMIL FRANK, a citizen of the United States, residing at Rahway, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Clothes-Line Hangers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to clothes-line hangers, and particularly to that class of hangers which are employed in order that the manipulator may retain one position while securing the garments to the line. Such hangers are usually secured to or contiguous to window-frames, the clothes-line, which is run through pulleys mounted in convenient parts of the hanger, reaching to other pulleys secured at a suitable distance from the window. By such an arrangement the clothes can be secured to the line from the window and as fast as they are attached run out to dry.

The hanger which I have devised is preferably adapted to be secured just outside of the sash and to the window-frame.

My invention will be more fully described with reference to the drawings herewith, in which—

Figure 1 is a perspective view of my hanger, showing in dotted lines a rope carried thereby. Fig. 2 is a view of my hanger, showing some portions thereof in elevation and some in cross-section, other portions being removed or broken away.

1 is the bracket, consisting of cross-joint 2, the arms 3 and 4, and the intermediate tube 5, said arms 3 and 4 being each provided at the ends thereof with a pulley 6. These several parts are screwed together, as shown at *a*, *b*, and *c*. Tube 5 contains a spring *d*, one end of which abuts against the end of arm 4 where the parts 4 and 5 are joined, its other end abutting against a rivet *e*, which extends through a pin *p*, lying in said tube 5. The reduced free end *e'* of pin *p* is normally pushed out of the tube 5 into cross-joint 2 by the spring *d*, for a purpose hereinafter set forth.

The tube 5 has slots *f* at opposite sides, one being shown in dotted lines, Fig. 1, and surrounding the tube is a sleeve 7, which is riveted to the body of the pin, the rivet passing through the slots *f* and constituting the abutment for one end of the spring *d*, as already described. As a means for drawing back the pin, rings *g* are provided, preferably made integral with the sleeve.

The support for the bracket is described as follows: Through the cross-joint 2 extends the cross-bar 8, detachably secured by means of pin *p*, whose reduced end *e'*, projecting into cross-joint 2, as above described, is adapted to fit into holes *m'*. These holes may be placed in series, as shown in the drawings, so that the bracket may be detachably secured in any position on the support. One end of said cross-bar is made tubular to receive the end of an extension 9. This end is furthermore provided with a set-screw *o*, which binds and secures in place the extension 9, which projects into this tubular portion of the cross-bar 8. Extension 9 has a knob *n* near its free end, which latter is pointed, and between which and the knob a spring *q* is coiled about the extension and fastened to the knob.

The extension should be of such length when it is fitted within the tubular end of the cross-bar that these two portions of the device together shall extend across the window-frame.

The free end of the cross-bar is flattened. This end of the cross-bar and the pointed end of the extension are respectively adapted to fit into holes specially provided therefor in the brackets *x* and *y*, which may be screwed to the window-frame. These brackets may be secured in any position, but when fastened within the sash-grooves, which, if so desired, may be done, they should of course be set flush with the surface of the frame of the window, so as not to interfere with the sash as it descends.

The pulley ends of arms 3 and 4 are bent outward, so that a rope run through the pulleys will pass clear of the different parts of the hanger, the manipulator grasping the rope between the pulleys when it is desired to move it. By means of clamps *h h'*, provided with set-screws *i i'* and secured to the cross-bar 8 on either side of the cross-joint, the

bracket may be held more securely from a lateral movement whenever the point *c'* of pin *p* is not in one of the holes *m'*.

By releasing set-screw *o* the support may be lengthened or shortened at will. By releasing clamps *h h'* and drawing back pin *p*, the end of which projects into one of the holes *m'* in the cross-bar, the two main portions of the device may be adjusted or detached.

It is obvious that when the pin *p* is drawn back the bracket may be turned upon the cross-bar *8* as a pivot, so as to bring one end of said bracket nearer to the operator.

It will be noticed that the spring on the end of extension *9* is intended to push against bracket *x*, so that the tendency will be to force the whole hanger toward the opposite side of the window-frame, thus firmly securing the hanger and preventing any looseness and play between the hanger and the window-frame.

By the several means for adjusting above referred to it is seen that my hanger can be made to fit various sizes of window-frames and can be detachably secured thereto without separating the different parts.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a clothes-line hanger, a telescopic support, a spring contiguous to one end of said

support, brackets for the ends of said support adapted to be secured to the side pieces of a window-frame, and a pulley-bracket laterally adjustable on said support, substantially as described. 35

2. In a clothes-line hanger, a support, a spring contiguous to one end of said support, brackets for the ends of said support adapted to be secured to the side pieces of a window-frame, a pulley-bracket laterally adjustable on said support and a means for locking said bracket to said support, substantially as described. 40

3. A clothes-line hanger consisting of a support adapted to be secured to the side pieces of a window-frame, a bracket for the clothes-line carried by said support and comprising a tubular portion laterally adjustable on the support and pulley-arms extending from the ends of said tubular portion, a spring-actuated pin inclosed by said tubular portion for locking the bracket against lateral movement upon said support, and means for drawing back said pin, substantially as described. 45 50 55

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

EMIL FRANK.

Witnesses:

* WILLIAM R. FRAZEE,
C. R. MELICK.