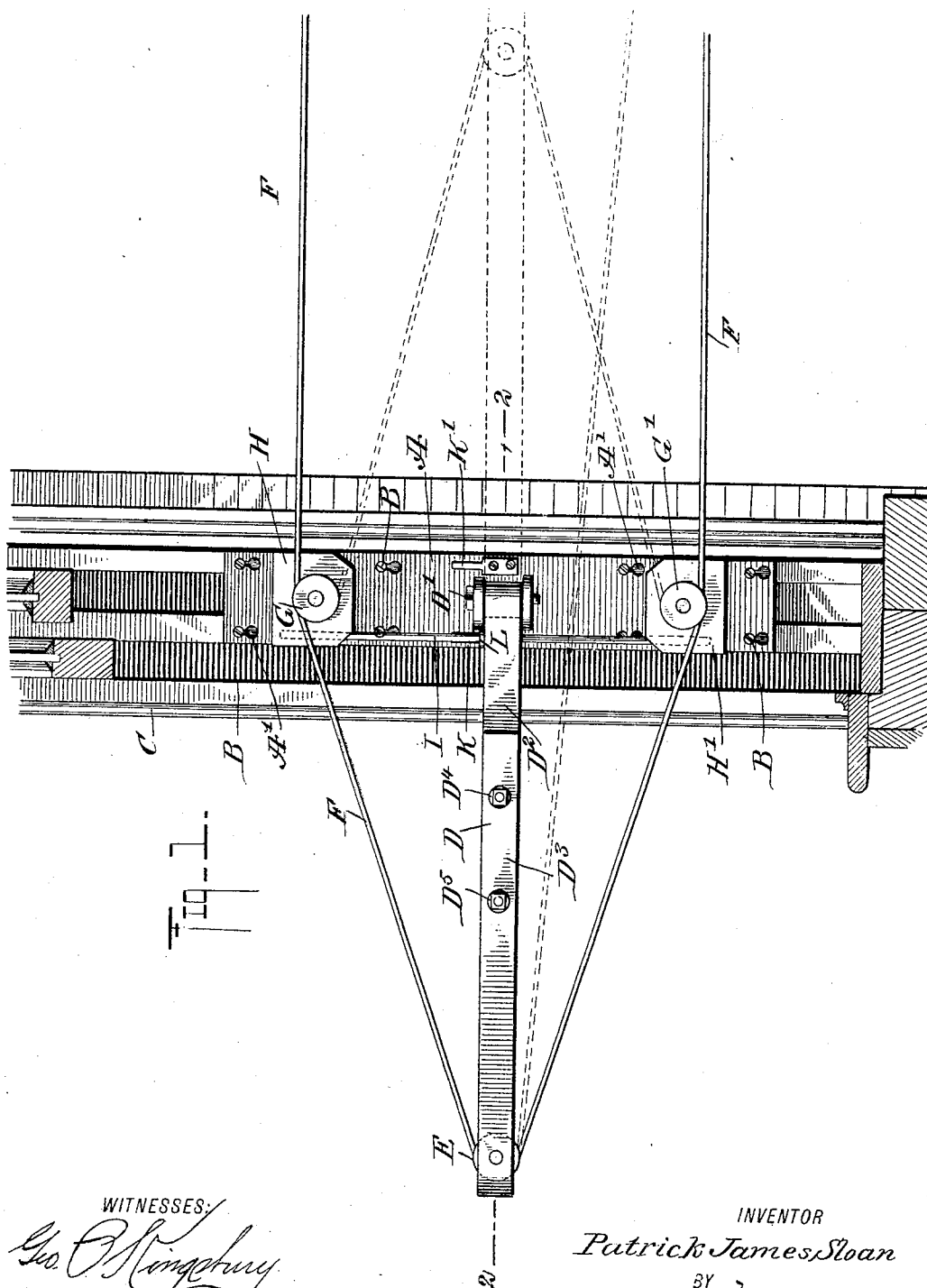


No. 809,024.

PATENTED JAN. 2, 1906.

P. J. SLOAN.
CLOTHES LINE SUPPORT.
APPLICATION FILED JUNE 2, 1904.

2 SHEETS-SHEET 1.

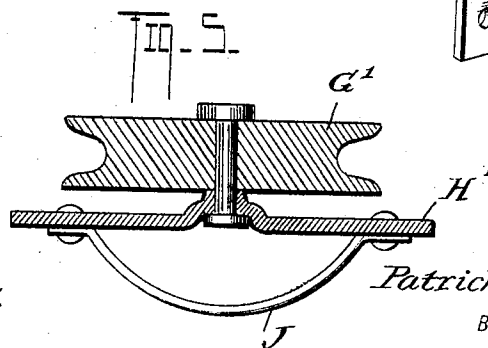
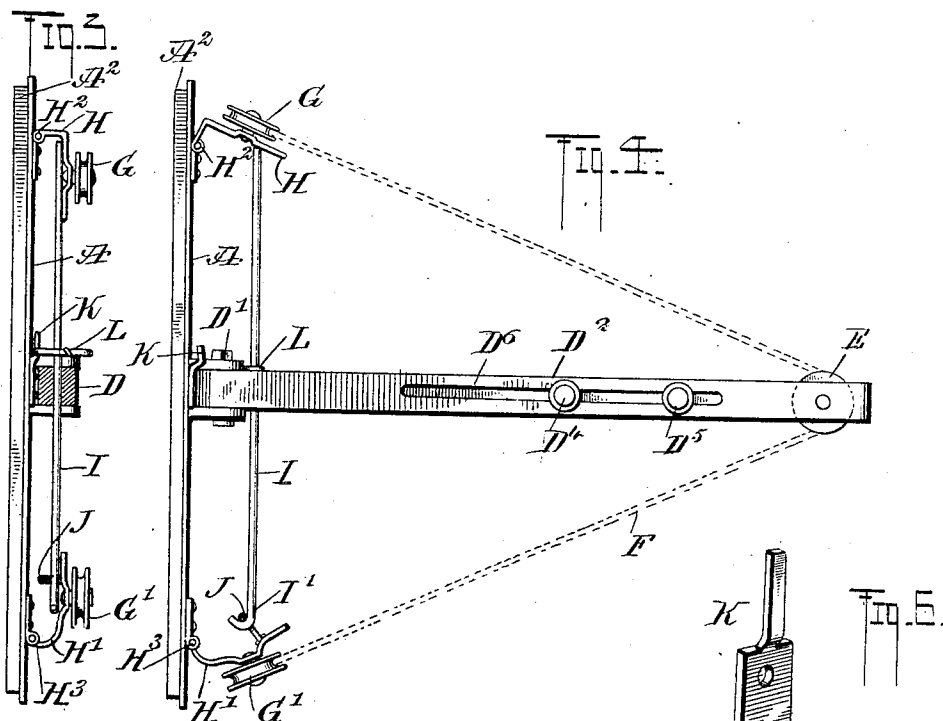
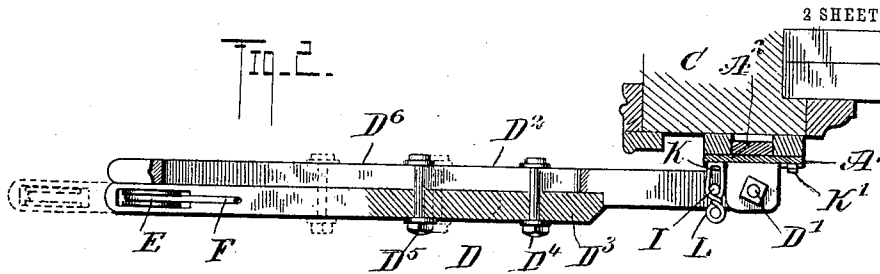


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2 SHEETS—SHEET 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

PATRICK JAMES SLOAN, OF BAYONNE, NEW JERSEY.

CLOTHES-LINE SUPPORT.

No. 809,024.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed June 2, 1904. Serial No. 210,798.

To all whom it may concern:

Be it known that I, PATRICK JAMES SLOAN, a citizen of the United States, and a resident of Bayonne, in the county of Hudson and State of New Jersey, have invented a new and Improved Clothes-Line Support, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved clothes-line support for convenient attachment to a window-frame and arranged to permit hanging the clothes on the line while the person is standing in a room without requiring the person to bend out of the window and to allow of swinging the support outward clear of the sash after the line is filled without causing slack in the line.

The invention consists of novel features and parts and combinations of the same, as will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the improvement as applied to a window shown in cross-section. Fig. 2 is a sectional plan view of the same on the line 2-2 of Fig. 1. Fig. 3 is an edge view of the improvement, showing the arm in section. Fig. 4 is a like view of the same, showing the arm swung half-way out. Fig. 5 is an enlarged sectional plan view of the lower guide-pulley and its mounting, and Fig. 6 is a perspective view of one of the keepers for holding the arm in a locked position.

A suitably-constructed bracket A is removably supported on screws B, secured to the window-frame C, preferably at the parting-strip and the outer guide-strip for the upper window-sash, as plainly indicated in Figs. 1 and 2, the back of the said bracket being provided with an offset A², fitting into the space between the said strips to hold the bracket against sidewise movement. On the bracket A, preferably at or near the middle thereof, is held a pivot D' for an arm D to swing on horizontally, the said arm being provided at its outer end with a pulley E, over which passes a clothes-line F, extending out to the pulley on the post or other support arranged in the yard. The clothes-line F also passes over pulleys G and G', journaled on plates H

and H', connected by hinges H² and H³ with the bracket A, the said plates H and H' being adapted to swing up and down when the arm D is swung outward from the room into an outermost position after the line is filled with the clothes or when the arm is swung inward into the room to the position shown in Fig. 1 whenever it is desired to remove the dry clothes or to put washed clothes to be dried on the line.

The pulleys G and G' are located suitable distances above and below the pivot D' and approximately in the same vertical plane, and in order to cause the plates H and H', carrying the said pulleys, to swing in unison with the movement of the arm D a rod I is provided, extending with its upper end under the plate H and engaging with its lower hooked end I' a loop J, secured on the inner face of the hinge-plate H' (See Fig. 4.) The rod I is secured to the arm D a short distance from the pivot D', so that when the arm is swung from an inward position into an outward position, or vice versa, then the ends of the rod impart a swinging motion to the plates H and H', so as to hold the pulleys G and G' thereof in proper relation to the pulley E to prevent the clothes-line F from leaving the pulleys G and G' during the movement of the arm from one position to the other.

In order to lock the arm D in place when in an innermost or outermost position, keepers K and K' are provided, secured to the bracket A on opposite sides of the pivot D', and the said keepers are adapted to be engaged by a loop L, held to slide on the upper portion of the rod I and normally resting on top of the arm D. When the arm D is swung into an innermost position, with the loop L raised on the rod I, then the loop is lowered, as soon as the arm has reached its innermost position, to engage the loop with the keeper K, and consequently to lock the arm against outward swinging. In a like manner when it is desired to swing the arm D outward the loop L is first raised to disengage it from the keeper K, and then the arm D is swung outward, and when it has reached its outermost position the loop is lowered and engaged with the keeper K' to lock the arm in an outermost position.

When the arm D is in an innermost position and it is desired to hang clothes on the line,

it is only necessary for the operator to remove the lower run of the clothes-line F from the pulley G' (see dotted lines, Fig. 1) to permit of convenient attachment of the clothes
5 to the lower run of the line and to allow of shifting the rope so as to take the clothes outside of the window. When the line is filled, the lower run is again passed in engagement with the pulley G', and then the arm D is un-
10 locked and swung outward to permit closing the lower sash of the window C.

By having the pulleys E, G, and G' arranged in a triangular position, with the pivot D' extending in the base of the triangle, it is evident that when the arm D is swung outward
15 very little, if any, slack occurs in the clothes-line F, and consequently the clothes remain properly hung to insure drying thereof.

In practice I prefer to provide the bracket
20 A with bayonet-slots A', as illustrated in Fig. 1, for removably engaging the screws B to allow of conveniently taking the entire device off the window-frame whenever it is desired to do so.

The arm D is preferably made in two sections D² and D³, slidable lengthwise one on the other to increase or decrease the length of the arm, the said parts D² and D³ being connected with each other by suitable bolts D⁴
30 and D⁵, held in the part D² and slidably engaging a slot D⁶, formed in the other part D³, as plainly indicated in Fig. 2.

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

35 1. A clothes-line support comprising an arm mounted to swing horizontally and carrying at its free end a pulley for the passage of the clothes-line, carrier or guide pulleys on the support for the arm, one above and the other
40 below the pivot of the said arm and over which passes the clothes-line to and from the said arm-pulley, and movable carriers for the said guide-pulleys, to allow the carrier or guide
45 pulleys to assume different angles on swinging the arm in or out of the window.

2. A clothes-line support comprising an arm mounted to swing horizontally and carrying at its free end a pulley for the passage of the clothes-line, carrier or guide pulleys on the
50 support for the arm, one above and the other below the pivot of the said arm and over which passes the clothes-line to and from the said arm-pulley, and carrier-plates disposed above and below the pivot of the said arm and mounted
55 to swing up and down, on which plates the said guide-pulleys are mounted to turn.

3. A clothes-line support comprising an arm mounted to swing horizontally and carrying at its free end a pulley for the passage of the clothes-line, carrier or guide pulleys above
60 and below the pivot of the said arm and over which passes the clothes-line to and from the said arm-pulley, movable carriers for the said

guide-pulleys, to allow the carrier or guide pulleys to assume different angles on swing- 65
ing the arm in or out of the window, and a connection between the said carriers and the said arm, for imparting movement to the said carriers on swinging the arm about.

4. A clothes-line support comprising a 70
bracket for attachment to a window, an arm mounted to swing horizontally on the said bracket, a pulley journaled in the free end of the said arm, plates hinged on the bracket above and below the pivot for the said arm, 75
guide-pulleys journaled on the said plates and over which passes the clothes-line to and from the pulley on the said arm, and means on the said arm for imparting a swinging motion to the plates on swinging the arm. 80

5. A clothes-line support comprising a bracket for attachment to a window, an arm mounted to swing horizontally on the said bracket, a pulley journaled in the free end of the said arm, plates hinged on the bracket 85
above and below the pivot for the said arm, guide-pulleys journaled on the said plates and over which passes the clothes-line to and from the pulley on the said arm, and means on the said arm for imparting a swinging motion to 90
the plates on swinging the arm, the said means consisting of a rod secured to the arm, parallel to the pivot thereof, the upper end of the rod engaging the under side of the upper hinge-plate and the lower end of the rod be- 95
ing formed into a hook engaging a loop on the inner face of the lower hinge-plate.

6. A clothes-line support, comprising a bracket, an arm pivoted to the bracket, a pulley on the outer end of the arm, and hinged 100
guide-pulleys on the bracket, one above and the other below the pivot of the arm and approximately in the same vertical plane therewith.

7. A clothes-line support, comprising a 105
bracket, an arm pivoted to the bracket, a pulley on the outer end of the arm, guide-pulleys hinged to the said bracket on opposite sides of the pivot of the arm, and means for swinging the guide-pulleys from the said arm. 110

8. In a clothes-line support, a pivoted arm having a pulley at its free end, hinged carriers one above and the other below the pivot of the arm, a guide-pulley mounted in each carrier, a rod secured to the arm and operatively engaging the said carriers to swing them as the arm is swung, a loop held to slide on the rod, and keepers with which the loop is adapted to engage. 115

9. A clothes-line support, comprising a horizontally-swinging arm, a pulley on the outer end of the arm, independently-hinged guides, located a distance above and below the hinged end of the arm, and means for causing the guides to assume different angles on swinging 120
the arm. 125

10. A clothes-line support, comprising a swinging arm, a pulley on the outer end of the arm, independently-hinged guides arranged on opposite sides of the hinged end of
5 the arm at a distance therefrom, and means for swinging the guides in unison with the arm.

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

PATRICK JAMES SLOAN.

Witnesses:

JAMES J. BOYLAN,
JAMES T. BOYLAN.