

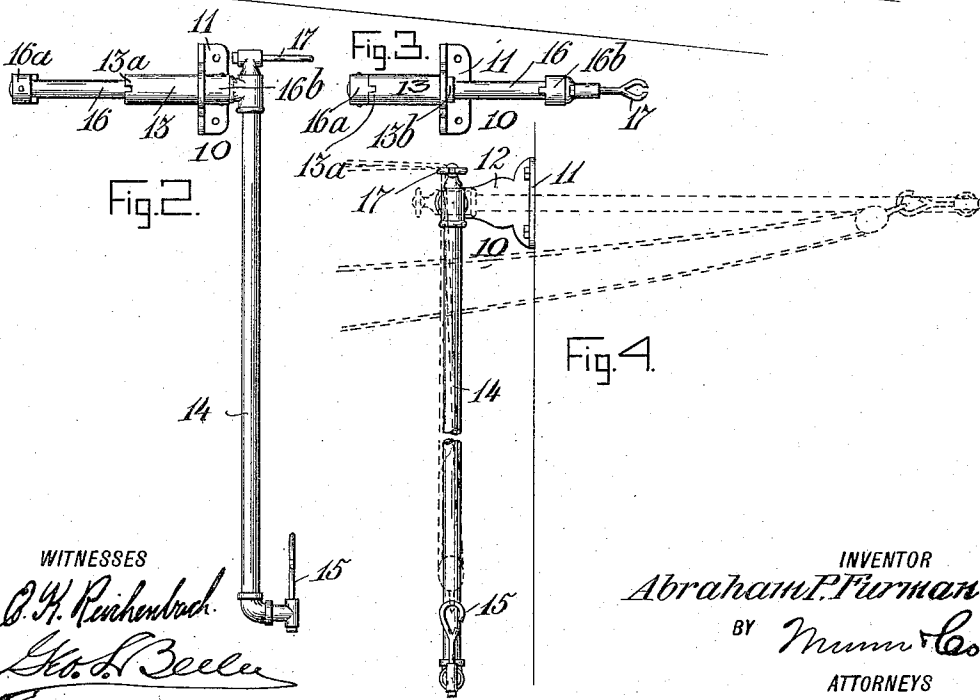
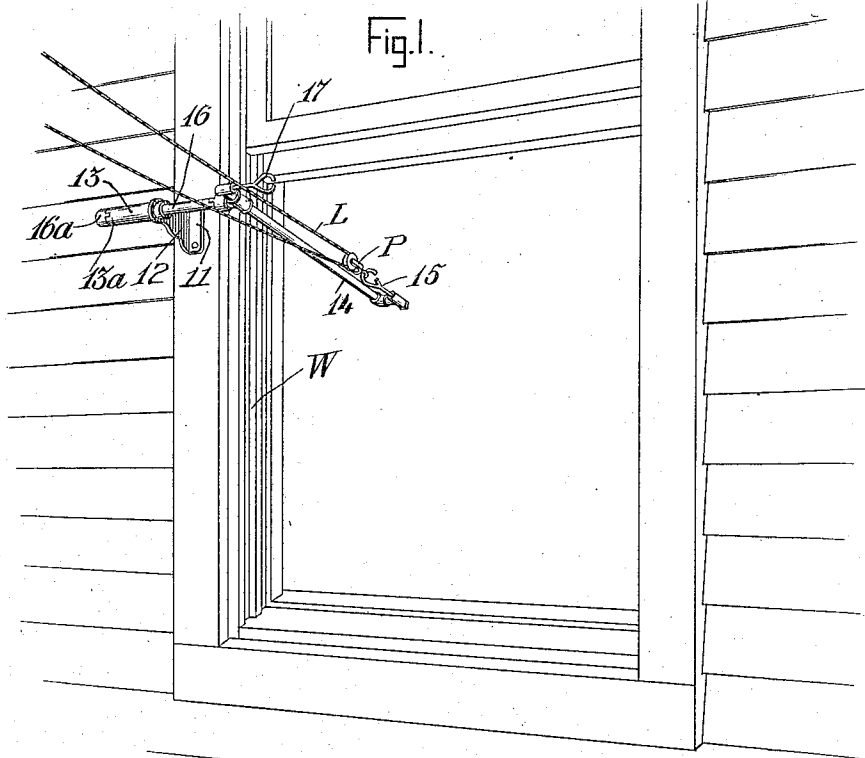
A. P. FURMAN,
CLOTHES LINE SUPPORT.

APPLICATION FILED AUG. 13, 1913. RENEWED JAN. 17, 1916.

1,174,705.

Patented Mar. 7, 1916.

2 SHEETS—SHEET 1.



WITNESSES
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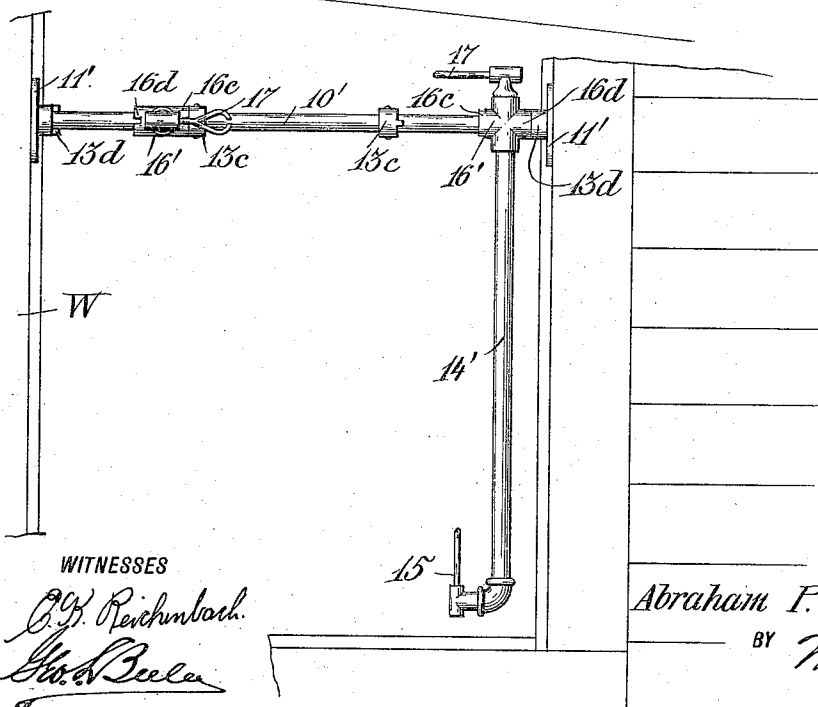
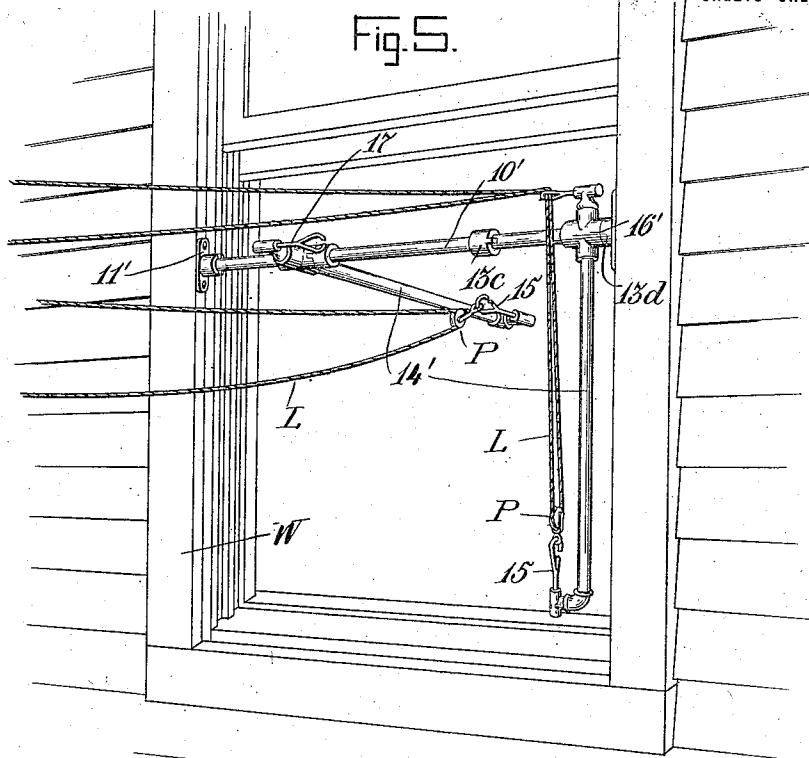
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ABRAHAM P. FURMAN, OF NEW YORK, N. Y.

CLOTHES-LINE SUPPORT.

1,174,705.

Specification of Letters Patent.

Patented Mar. 7, 1916.

Application filed August 13, 1913, Serial No. 784,528. Renewed January 17, 1916. Serial No. 72,645.

To all whom it may concern:

Be it known that I, ABRAHAM P. FURMAN, a citizen of the United States, and a resident of the city of New York, borough of the Bronx, in the county and State of New York, have invented a new and Improved Clothes-Line Support, of which the following is a full, clear, and exact description.

This invention relates to clothes line supports adapted especially for apartment houses.

Among the objects of the invention is to produce a device of the character indicated which is adapted to occupy various positions of adjustment with respect to the window frame whereby the clothes line may project within the window for the purpose of applying clothes thereto or removing them therefrom, and in another position the line will be held on the outside of the window, the device including simple, strong and reliable means for temporarily locking the movable part of the device in either of said positions.

A further object of the invention is to so arrange the clothes line support as to make it applicable to any window frame with which a clothes line is associated and render it a matter of expediency to transfer the clothes line from the old support to this new one when the latter is substituted for the former.

A still further object of the invention is to construct a clothesline support adapted in one position of adjustment to extend within the window for the convenience of applying clothing to or removing clothing from a clothesline supported thereby, and in another position of adjustment to occupy a position on the outside of the window frame and on one side of the window opening so as not to obstruct the view in any manner when the device is not being manipulated within the window.

The foregoing and other objects of the invention will hereinafter be more fully described and claimed and illustrated in the drawings forming a part of this specification in which like characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a perspective view of the outside of a window showing one form of this invention in position with a clothes line supported thereupon as when the clothes are being applied to or removed from the line;

Fig. 2 is an outside elevation of the support shown in Fig. 1, but with the supporting arm in its suspended position; Fig. 3 is an outside elevation of the same with the arm in its elevated position as in Fig. 1; Fig. 4 is an end view of the device shown in the position of Fig. 2 and indicating in dotted lines the several positions which the clothes line is adapted to assume in connection with the support; Fig. 5 is a perspective view of the outside of a window showing a modified form of the invention; and Fig. 6 is an outside elevation of the device of Fig. 5.

The several parts of the device may be made of any suitable materials of a strong, clean and durable nature, and the relative sizes and proportions as well as the general design of the parts may be varied to a considerable extent without departing from the spirit of the invention hereinafter specifically claimed.

Referring to Fig. 1, I show a member or bracket 10 secured in a fixed stationary position on the outside of a window W. Said bracket may be secured to any suitable part of the building, but, as shown herein, it is connected to the window frame substantially close to the line of the top of the lower sash or midway of the height of the window. It is to be noted, furthermore, that said bracket may be secured on either side of the window without varying its operations or functions, and when so secured, is usually left in a permanent fixed position. Said member or bracket 10 comprises a base 11 for direct connection with the window frame in a vertical position, and extending laterally therefrom is a shank 12 substantially at a right angle to the plane of the base 11, and at its outer end the shank is formed with a tubular hub 13 of cylindrical form, the axis of which lies in a horizontal direction and parallel to the base 11 and the side of the building. The parts 11, 12 and 13 are preferably made as a unitary casting, but as to this I do not wish to be limited. The hub 13 is provided on its ends with a pair of clutch members 13^a and 13^b which extend therefrom in opposite directions. Each clutch member preferably is constituted by one or a pair of notches formed in the end of the hub 13, said notches being of square corner formation.

The clothes line L is adapted to be connected through the usual pulley P to the lower or inner end of an arm 14, a hook 15

being provided for engagement with the pulley for this purpose. The hook is preferably secured in rigid position at the lower end of said arm and has its shank extending substantially parallel to the axis of the arm. The arm is supported upon said fixed member or bracket 10 and is adapted to have a slidable movement with respect to the axis of the hub 13 of the support and also a movement of rotation around said axis. The arm 14 in this form of the invention is provided with a head 16 extending at a right angle from the axis of the arm and slidable and rotatable within the aforesaid hub 13. Said head 16 is provided with a pair of clutch members 16^a and 16^b. These clutch members are spaced from each other and are provided with teeth or projections corresponding to the notches aforesaid with which they are adapted to engage. The members 16^a and 16^b, moreover, are spaced farther apart than the clutch members of the hub 13 providing for a certain amount of longitudinal movement of the head within the hub, as shown in Figs. 2 and 3, adapting the several pairs of clutch members to cooperate in alternation. The arm 14 is rigid and of sufficient length to extend well within the window in one position, and in the other position it extends downwardly toward the bottom of the window. The upper end of the arm is provided with a guide 17 in the form of an open eye with a shank secured rigidly to the arm just above the axis of the head.

With the device arranged as shown in Figs. 1 and 3, the clothes line pulley P is secured to the hook 15, and the line by this fact is projected far enough within the window to permit the operator to apply clothes thereto or remove them without any danger whatever of falling from the window. The clothes line in this position of the support hangs below the guide 17 so as not to obstruct the movement of the line. While the device is in this position it is locked from rotation within the hub 13 by cooperation between the clutch members 13^a and 16^a. After the clothes have been applied to the line, the arm and its head are pushed longitudinally along the hub far enough for the clutch members to be disconnected and then the arm will be free to swing downwardly and out through the window into the position shown in Figs. 2 and 4, and the same may be locked in this position by cooperation of the clutch members 13^b and 16^b. In order to maintain the line substantially taut during this adjustment, and during the usual drying operation, the two parts of the line are slipped into the guide 17, as shown in dotted lines in Fig. 4. The bracket 10 being applied on the outside of the window frame in this form of the invention, it will be observed that the entire mechanism while

out of use or while supporting the clothes-line in operation will be at one side of the window opening and hence in a position so as not to obstruct in any manner the view through or from the window.

In Figs. 5 and 6 I show a support 10' in the form of a straight rod fixed in stationary position with respect to the window frame as by means of socket pieces 11'. This support is adapted to accommodate a plurality of adjustable arms 14'. Each of the arms in this form is of substantially the same character as to operation and function as the arm 14 above described. The support 10' is provided with a pair of spaced clutch members 13^c and 13^d with which other clutch members 16^c and 16^d of the arm head 16' are adapted to cooperate in alternation. Each arm 14' also is provided with a pulley hook 15 at one end and a guide 17 for the clothes line at the other end. This form of the invention is especially adapted for use in connection with those windows which are usually provided with clothes line supports on both sides. The description and operation of this form of the invention may be regarded as substantially the same as that already described.

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

1. In a clothes line support, the combination of a member fixed in stationary position on a window frame, said member having spaced clutch members thereon, an arm mounted upon said stationary member and having a pair of clutch members, the arm being slidable longitudinally with respect to the stationary member whereby the arm clutch members are adapted to engage alternately with the stationary member clutch members, said arm also being movable around the axis of the stationary member, said arm being adapted to interlock with one of said clutch members in one position of longitudinal movement and with the other clutch member in the opposite position of longitudinal movement, and clothes line connections for said arm.

2. In a clothes line support, the combination of a member adapted to be secured in fixed stationary position with respect to the window frame, said member having a pair of clutch members extending in opposite directions, an arm connected to said fixed member and movable longitudinally with respect thereto and also around the axis thereof, said arm having clutch members extending in opposite directions from each other and spaced at a different distance from those of the fixed member aforesaid, the several fixed member clutches and arm clutch members being adapted to cooperate with each other in pairs in alternation, whereby the arm is adapted to be locked in either of two differ-

ent positions, said arm having a pulley located at one end, and a line guide at the other end, substantially as and for the purposes set forth.

5 3. In a clothesline support, the combination of a bracket adapted to be secured on the outside of a window frame, said bracket including a cylindrical hub having a horizontal axis and having clutch members on
10 its opposite ends, an arm including a head journaled for rotation in and slidable longitudinally along said hub, said head having secured thereto a pair of clutch members
15 spaced at a greater distance from each other than the hub clutch members and adapted to

engage with the hub clutch members in alternation when the head is shifted longitudinally, and clotheslines attaching means carried by said arm, said arm being adapted in one position to extend within the window
20 and in another position to depend from the bracket at one side of the window, and beyond the window opening.

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

ABRAHAM P. FURMAN.

Witnesses:

GEO. L. BEELER,
PHILIP D. ROLLHAUS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."