

No. 616,784.

Patented Dec. 27, 1898.

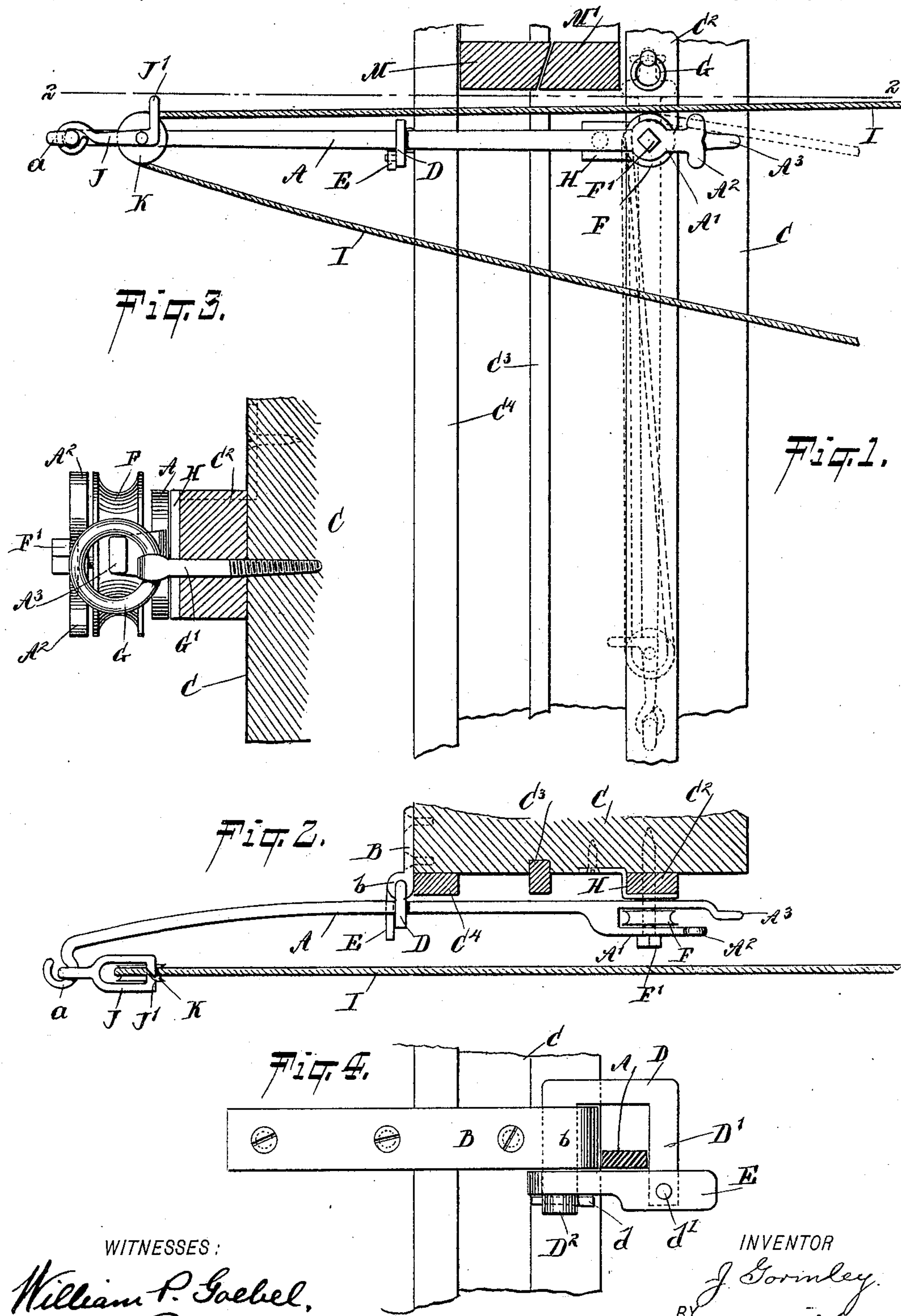
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WINDOW SUPPORT FOR CLOTHES LINES.

(Application filed Oct. 28, 1897.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

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H. L. Reynolds.

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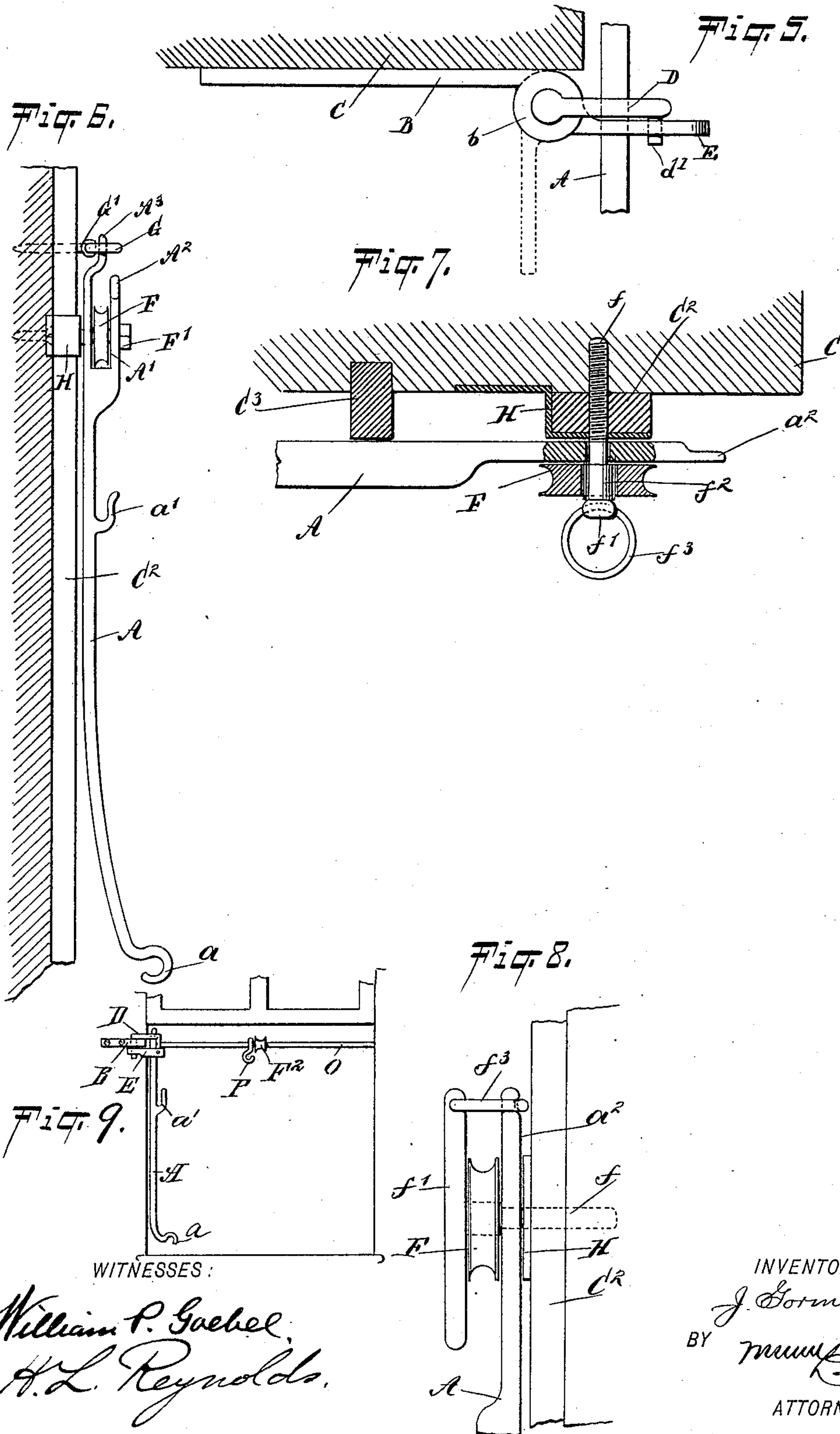
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UNITED STATES PATENT OFFICE.

JAMES GORMLEY, OF NEW YORK, N. Y.

WINDOW-SUPPORT FOR CLOTHES-LINES.

SPECIFICATION forming part of Letters Patent No. 616,784, dated December 27, 1898.

Application filed October 28, 1897. Serial No. 656,667. (No model.)

To all whom it may concern:

Be it known that I, JAMES GORMLEY, of New York, (Brooklyn,) in the county of Kings and State of New York, have invented a new and
5 Improved Window-Support for Clothes-Lines, of which the following is a full, clear, and exact description.

This invention relates to an improvement in devices for supporting clothes-lines where
10 they are attached at one end to a window of that class comprising a pivoted arm attached to the casing outside the window and capable of being swung within the window-opening when the lower sash is raised, and thus to
15 place the lines in position where the clothes may be conveniently attached thereto.

The invention consists of certain improved constructions, which will be hereinafter described, and particularly pointed out in the
20 claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

25 Figure 1 is a side elevation of the device, showing a portion of the window-casing and with the device extending within the room. Fig. 2 is a horizontal section through a portion of the window-casing, showing the device in similar position. Fig. 3 is a partial
30 horizontal section showing the arm in its vertical position, in which it is entirely outside the window. Fig. 4 is a detail elevation of the device for locking the arm in the horizontal position. Fig. 5 is a plan view showing
35 the same parts in detail. Fig. 6 is an elevation showing a modified form of pivoted arm and the means for locking it in vertical position. Figs. 7 and 8 are a detail plan and elevation showing a modified pivoting means.
40 Fig. 9 is an inside elevation of a construction in which the pivot-pulley and hook are mounted upon a rod extending across the window.

One object sought to be attained with my
45 device is to provide a window-support for a clothes-line which may be attached permanently to the casing and in such a manner that the windows may be closed while the arm is attached and also so that outside blinds or
50 shutters may be closed. The arm A is therefore pivoted to the casing C by being attached to the strip C², which lies outside of the up-

per sash. It is also kept of such a width as not to exceed the width of the strip C², and thus permits of the window being raised or
55 lowered and also of the outside shutters, if such are used, being closed without disturbing the pivoted arm. As shown in Figs. 1 and 2, this arm A is forked at its pivot, having an arm A' extending outside of a roller F, which
60 is journaled upon the pivot-pin F'. This pin may be attached to the window-casing in any suitable manner. As contemplated, this comprises a wood-screw which screws into the body of the casing. This screw passes through both
65 branches of the arm A and into the casing. The main body or inner branch of the arm A extends beyond the pivot, forming an end A³, which is adapted to be engaged by a ring or link G, which is secured to the casing by
70 means of a screw or bolt G' or any other suitable means and is so placed that the ring or link G may be slipped over the short end A³ of the arm to hold the same in a vertical position.
75

The lower or long end of the arm A is bent slightly away from the casing and at its end is provided with a hook a. To this hook is attached a yoke J, within which is journaled a pulley K. One end of this yoke is provided
80 with an eye adapted to engage the hook a, as plainly shown in Fig. 1. The arms of the yoke which receive the pivot of the roller K are carried a short distance beyond this pivot and then bent laterally parallel to the sides
85 of the roller, and then toward each other over the edge of the roller, forming an arch J', which embraces the rope and prevents the rope from slipping off of the pulley. The two arms forming this arch may be slightly separated, as shown in Fig. 2, the ends thereof
90 being beveled, so as to prevent the possibility of the rope getting between them and being pulled out during the operation of the device.

When the arm A is swung inward, it is
95 locked in the horizontal position by means of the device shown in detail in Figs. 4 and 5. This device consists of a strap B, having an eye b at one end thereof and secured against the inner side of the casing, the strap
100 B extending in a direction laterally across the window. Within the eye b is pivoted a U-shaped arm or yoke D, one of the branches of the U extending through the eye b. The

yoke D is made of such a size as to receive the arm A between the eye *b* and the outer arm of the yoke. The outer arm D' extends downward to a point slightly beyond the lower edge of the strap B. The arm D², which passes through the eye *b*, has a link or latch-bar E pivoted upon the lower end thereof beneath the strap B. This is held in place by means of a pin *d* or any suitable device.

The outer or free end of the latch-bar E is secured to the outer arm D' of the yoke by means of a pin *d'* upon one entering a hole in the other. As shown in Figs. 4 and 5, the pin *d'* is upon the arm D'. This latching device is so placed on the inner side of the casing that when the arm A is swung inward to the horizontal position it will enter the same, and may be secured by swinging the latch-bar E into position. The arm A is then securely held thereby against dropping or being pulled sidewise away from the casing. The endless clothes-line I is then held in such a position that the clothes may be readily placed thereon and run out where they are to be dried. When the line is filled or when it is desired to close the window, both branches of the line I are thrown over lateral projections A² upon the end of the branch A' of the arm A. This holds them so that when the arm is thrown downward to the vertical position the clothes-line will not drop with the pulley K, and consequently the line will not be slackened. The lateral projections A² assist in holding the line in place, preventing its slipping off of the branch A'.

A modified form of the arm A is shown in Figs. 7 and 8, which does away with the arm A' and provides a pivot-pin having an extension adapted to secure the same result as that secured by the arm A'. In this construction the arm A is extended beyond the pivot, forming an end *a*², by which it may be locked in its vertical position. The pivot-pin consists of a screw-threaded rod *f*, having upon its outer end a cross bar or rod *f'*. The outer portion of the rod *f*, upon which the pulley F is journaled, is of a slightly-increased diameter, the object being to prevent screwing of the pin into the casing to such a point as to bind the pulley against the arm A. This pin is left in such a position that the rod *f'* extends vertically. To the upper end of this is pivoted a link *f*³, which is adapted to engage the end *a*² of the arm A when the same is in vertical position, and thus to hold it in this position. When the arm is to be swung down to the vertical position after having the clothes placed thereon, the line is placed between the cross-bar *f'* and the end *a*² of the arm. When the arm is swung downward to the vertical position, the link *f*³ is then placed over the upper end of the arm and the line

thus secured in place, so that it cannot be shaken out by the wind or in any other manner.

To strengthen the strip C² and to better support the arm, it is preferred that a plate H be attached to the casing and extended over the outer edge of the strip C², which gives a firmer support for the pivot-pin which supports the device.

As shown in Fig. 6, the arm A may be provided with an auxiliary hook *a'*, adapted to receive the line when the arm is thrown to the vertical position. This hook would not need to be used except in cases where the line should shrink by getting wet. In such case the line might be thrown over the hook *a'*, and thus relieve the tension thereon.

In many cases it is desirable to mount the device as shown in Fig. 9. In this the pivot-pin is extended as a rod O entirely across the window and the pivot-pulley mounted thereon, as shown at F². This permits the pulley to be placed at any point desired to accommodate the angle of the rope. This is very often, if not generally, desirable, as in most cases the pole which supports the outer end of the line will not be directly opposite the window. This construction enables the pulley to be put in such a position on the rod as to be on a straight line between the hook *a* and pole whether the pole is directly opposite the window or to one side thereof. A hook P is mounted movably upon the rod O and receives the lower run of the rope when the arm is to be swung to the vertical position. The rod O may be used as the pivot for the arm A or be separate from the pivot, as desired. It is preferably used in connection with an arm such as shown in Figs. 7 and 8 and as a pivot therefor.

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

A window-support for a clothes-line, comprising an arm pivoted upon the casing outside the window-sash, and having a line-retaining hook adjacent the pivot, a pulley connected to the lower or free end of said arm, a locking means for said arm when swung inward and horizontally, comprising a U-shaped bar pivoted by one arm to the inner edge of the casing and a latch-bar pivoted upon one arm of the said U-shaped bar and adapted to close the opening between said arms, and a pin upon one of said members adapted to enter a hole in the other member and support the swinging end of the latch-bar, substantially as described.

JAMES GORMLEY.

Witnesses:

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