

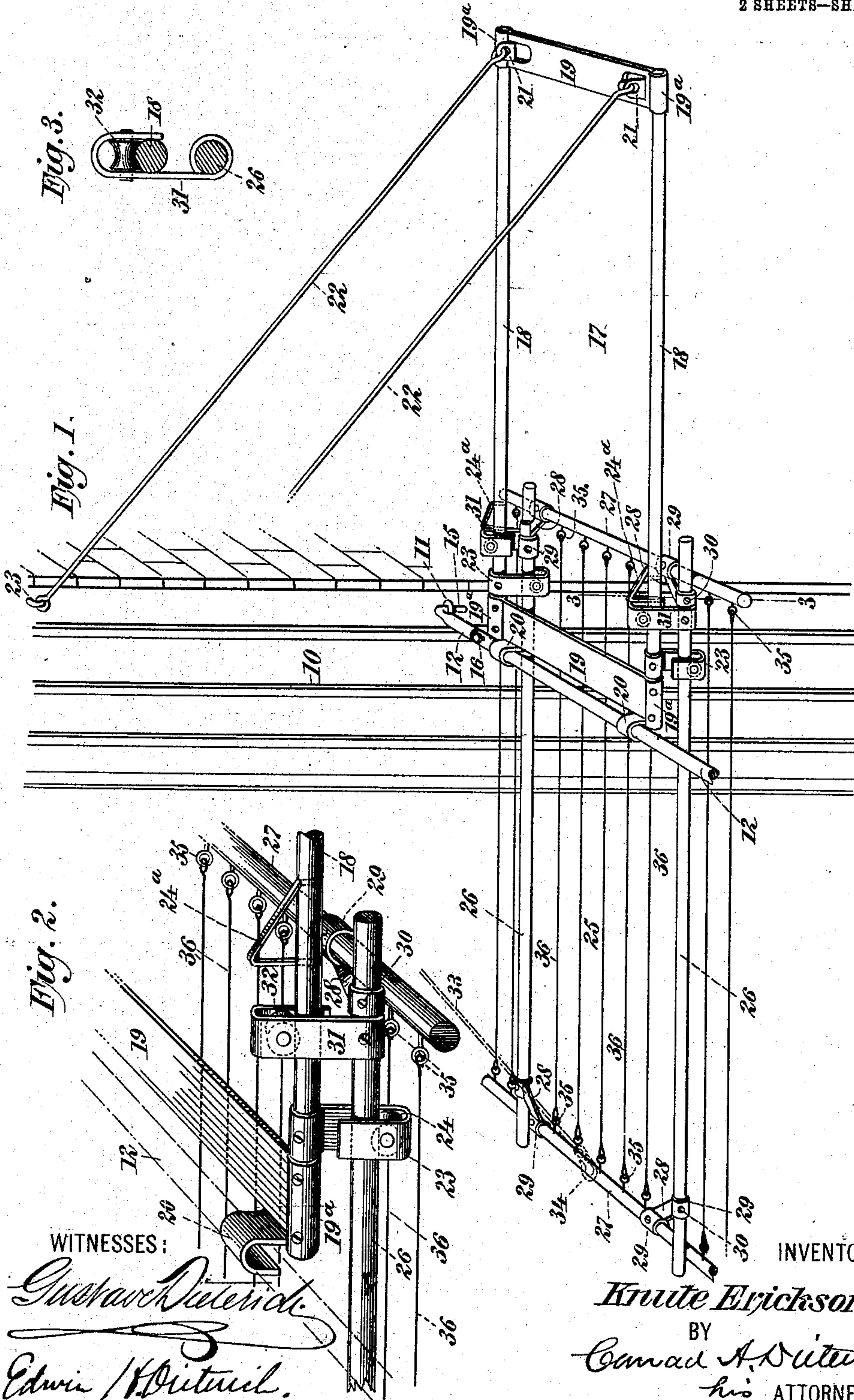
K. ERICKSON.
CLOTHES DRIER.

APPLICATION FILED JUNE 26, 1907. RENEWED JUNE 22, 1908.

911,651.

Patented Feb. 9, 1909.

2 SHEETS—SHEET 1.



WITNESSES:

Guerrard Dittich
Edwin H. Dittich

INVENTOR

Knut Erickson
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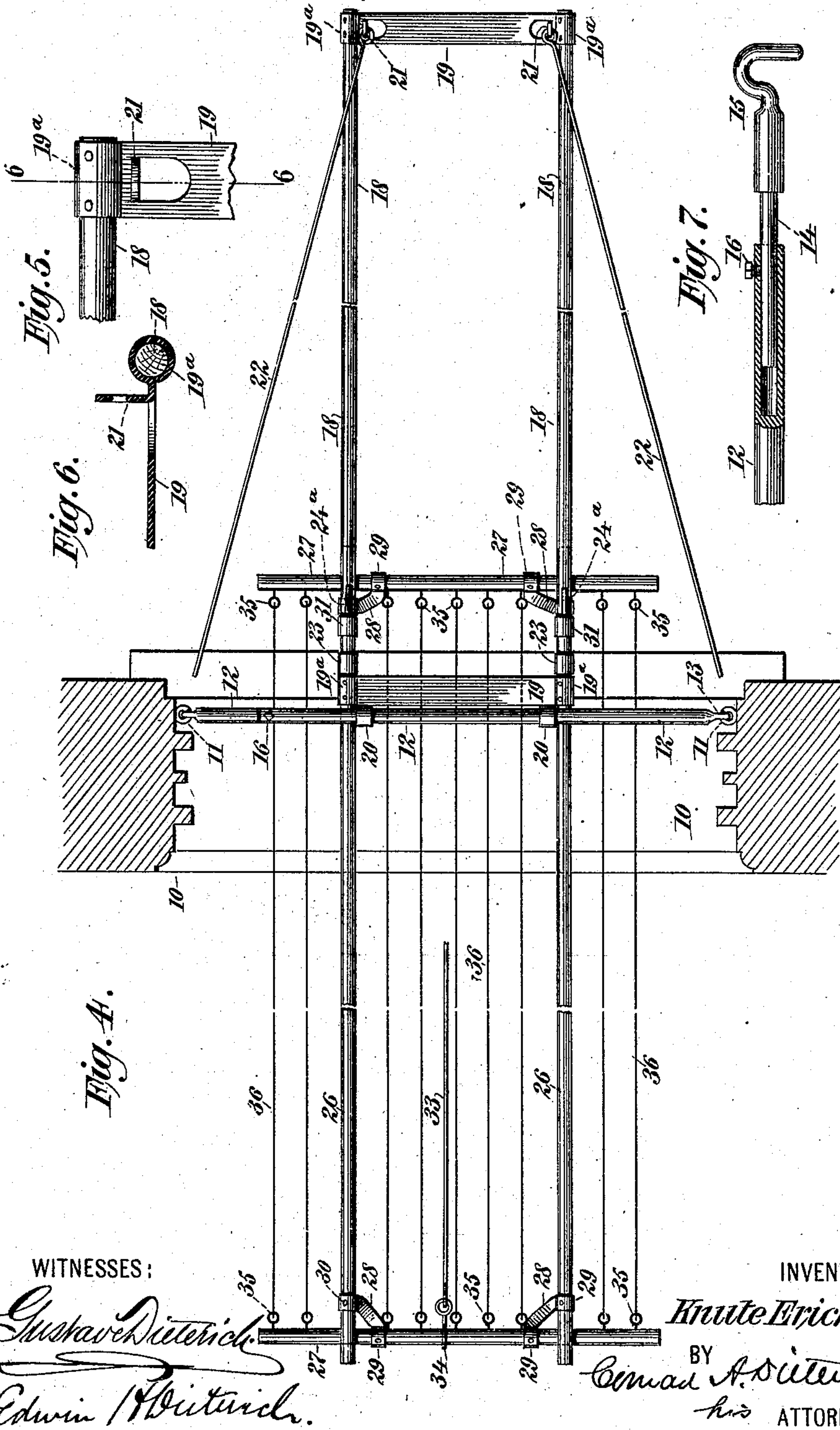
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WITNESSES:
Gustav Dietrich
Edwin Dietrich

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UNITED STATES PATENT OFFICE.

KNUTE ERICKSON, OF NEW YORK, N. Y.

CLOTHES-DRIER.

No. 911,651.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed June 26, 1907, Serial No. 380,871. Renewed June 22, 1908. Serial No. 439,864.

To all whom it may concern:

Be it known that I, KNUTE ERICKSON, a citizen of the United States, residing at the city of New York, borough of Manhattan, in the county and State of New York, have invented certain new and useful Improvements in Clothes-Driers, of which the following is a full, clear, and exact specification.

My invention relates to improvements in clothes driers of the type designed to be supported upon the window frame of a building and extend outwardly therefrom, and said invention has for its object more particularly to provide a simple, efficient and reliable and inexpensive apparatus which may be readily attached to a window frame when it is desired to support clothes thereon, and which apparatus may be wholly removed from its support when the same is not in use.

Further, said invention has for its object to provide an apparatus which may be so adjusted as to permit of its application to window frames or other supports of varying widths.

To the attainment of the aforesaid objects and ends my invention consists in the novel details of construction, and in the combination, connection and arrangement of parts hereinafter more fully described and then pointed out in the claims.

In the accompanying drawings wherein like numerals of reference indicate like parts, Figure 1 is a perspective view showing a portion of a window frame with an apparatus constructed according to and embodying my said invention applied thereto; Fig. 2 is an enlarged detail perspective view showing the inner end of the stationary frame, and the outer end of the movable frame, and the means for supporting the same; Fig. 3 is a detail section taken on the line 3—3 of Fig. 1, showing the construction and arrangement of one of the supporting clips; Fig. 4, is a horizontal section of a window frame, with the clothes drier shown in plan or top view in position therein; Figs. 5 and 6 are respectively detail plan and sectional view of one of the corner fastenings of the stationary frame, and Fig. 7 is an enlarged detail side view, partly in section, showing the construction of the adjustable supporting bar.

In said drawings 10 designates a window

frame of usual construction in the opposite sides of which, about midway of its height, are secured eye-bolts 11, 11.

12 denotes a horizontal supporting bar provided at one of its ends with a hook 13, and having its other end socketed to receive the shank 14 of a hook 15 which is adjustably arranged in the socketed end of said bar 12 and adapted to be secured in position therein by a screw 16.

17 denotes a stationary frame consisting of two longitudinal rods or members 18, 18 having their ends secured within sockets 19^a 19^a provided upon the opposite ends of flat transverse members 19 19 made of metal or other suitable material. The inner or rear member is provided at its rear edge with hooks 20, 20 adapted to engage the supporting bar 12, and the forward or outer member is provided near its ends with upwardly projecting lugs 21 having each an aperture therein to receive the lower ends of guys 22, 22 which are secured at their upper ends to hooks or eye-bolts 23 in the upper part of the window casing and serve to support the outer end of said stationary frame 17.

Upon the rear ends of the rods or members 18 18 adjacent to the rear member 19 are rigidly secured downwardly and outwardly projecting hook members or clips 23, 23 provided intermediate their vertical, parallel portions with anti-friction rollers 24, 24, and adjacent to said clips upon the upper surfaces of said rods 18 18 are secured inclined stops 24^a 24^a.

25 denotes a movable frame consisting of two longitudinal rods 26, 26 and two transverse rods 27, 27 which are secured to said longitudinal rods 26, 26 by angular connections 28, 28 each consisting of a flat piece of metal having its ends terminating in cylindrical sockets 29 29 arranged at right angles to each other and adapted to receive the adjoining ends of the longitudinal and transverse rods 26, 27. The transverse rods 27 27 project considerably beyond the longitudinal rods 26, 26 and both the rods 26 and 27 are secured to said connections 28 by screws 30, 30. Upon the forward ends of the longitudinal rods 26 26 of the movable frame 25 adjacent to the forward or outer transverse rod 27 are rigidly secured upwardly and in-

wardly projecting hook members or clips 31 31 provided intermediate their parallel vertical portions with antifriction rollers 32, 32 adapted to ride upon the longitudinal rods 5 18, 18 of the stationary frame 17. The longitudinal rods 26, 26 of the movable frame 25 are also adapted to be supported and work upon the rollers 24, 24 of the depending hook-members or clips 23, 23 of the stationary 10 frame 17.

33 denotes a guy which is secured at one end to the upper portion of the window frame, and provided at its lower end with a hook 34 adapted to engage the inner or rear 15 transverse rod 27 of the movable frame 25 in order to support the same while the clothes are being fastened upon said frame 25, and prior to its being rolled out of the window upon the stationary frame 17. Upon the inner opposing sides or edges of the rods 27, 27 of the movable frame 25 are secured series of eyes 35, 35, to which are secured the ends of ropes or lines 36, 36 to which the clothes are to be secured.

25 It is to be noted that when the apparatus is not in use the same may be entirely removed from the window frame leaving only the eyebolts for the supporting bar 12, and the guys 22, 22, and 33.

30 When it is desired to use the apparatus it simply becomes necessary to adjust the supporting bar 12 in position within the eyebolts 11, 11; adjust the hooks 20, 20 of the stationary frame 17, upon the supporting 35 bar 12, and then secure the upper ends of the guys 22, 22 in order to support the outer end of said stationary frame 17 and maintain the same in a horizontal position. Hereupon the movable frame 25 is drawn inward as best shown at Fig. 1 and the inner end thereof secured to the guy 33 in order to support the same in due horizontal position, and the clips 31 31 at its outer end held against the stops 24^a 24^a at the inner end of 45 the stationary frame 17.

As soon as the clothes have been secured upon the lines 36, 36 of the movable frame 25 the same is first tilted to release the clips 31, 31 of their engagement with the stops 50 24^a 24^a, and then pushed outward. The forward end of said movable frame in this operation will be supported upon the stationary frame 17 by the hooks or clips 31, 31 secured to said movable frame at its forward 55 end, and as soon as said movable frame 25 has been pushed outward to its full extent the inner end thereof will be supported in the hooks or clips 23, 23 secured to the inner end of the stationary frame. To remove 60 the clothes it only becomes necessary to draw the movable frame inward again to the position shown at Figs. 1 and 4 of the drawings.

Having thus described my invention, what

I claim and desire to secure by Letters Patent is:

1. A clothes drier comprising an adjustable horizontal support, means for securing the same to a rigid support, a stationary frame provided at one end with hooks 70 adapted to engage said horizontal support, means for supporting the free end of said stationary frame, depending supports arranged at one end of said stationary frame, a movable frame, upstanding supports arranged upon said movable frame opposite 75 to the depending supports on said rigid frame and adapted to cooperate therewith to support said movable frame, substantially as specified. 80

2. A clothes drier comprising an adjustable horizontal bar, means for securing said bar to a rigid support, a stationary frame provided at one end with hooks adapted to engage said horizontal bar, means for supporting the free end of said frame, depending supporting devices arranged at the inner end of said stationary frame, a movable frame arranged to work in said depending supporting devices, and provided at its 90 outer end with upstanding supporting devices adapted to work upon said stationary frame, and means on said movable frame for supporting the clothes, substantially as specified. 95

3. A clothes drier comprising an adjustable horizontal bar, hooks at the end of said bar for securing the same to a rigid support, a stationary rectangular frame provided at its inner end with upwardly projecting 100 hooks adapted to engage said adjustable bar, means at the outer end of said frame for securing the same to a support, depending supporting hooks at the inner end of said stationary frame, a movable frame arranged 105 below said stationary frame and adapted to work in said depending supporting hooks, upwardly projecting supporting hooks arranged at the outer end of said movable frame, and adapted to work upon said stationary frame, and clothes supporting means on said movable frame, substantially as specified. 110

4. A clothes drier comprising an adjustable, horizontal bar, hooks at the ends thereof for securing said bar to a rigid support, a stationary, rectangular frame consisting of two transverse members having sockets at their ends, and two longitudinal rods having their ends secured in said sockets, hooks arranged upon the inner transverse member adapted to engage said adjustable bar, lugs arranged upon the outer transverse member adapted for securement to a supporting medium, depending supporting hooks secured upon the longitudinal rods of the stationary frame at its inner end, a movable rectangular frame arranged below said sta- 115 120 125

tionary frame and adapted to work in the
depending supporting hooks thereon, up-
wardly projecting supporting hooks secured
at the outer end of said movable frame
5 adapted to work upon the longitudinal rods
of said stationary frame, and clothes sup-
porting lines arranged upon said movable
frame, substantially as specified.

Signed at the city of New York, in the
county and State of New York, this seven- 10
teenth day of June, 1907.

KNUTE ERICKSON.

Witnesses:

CONRAD A. DIETERICH,
A. R. ANGUS.