

Oct. 29, 1929.

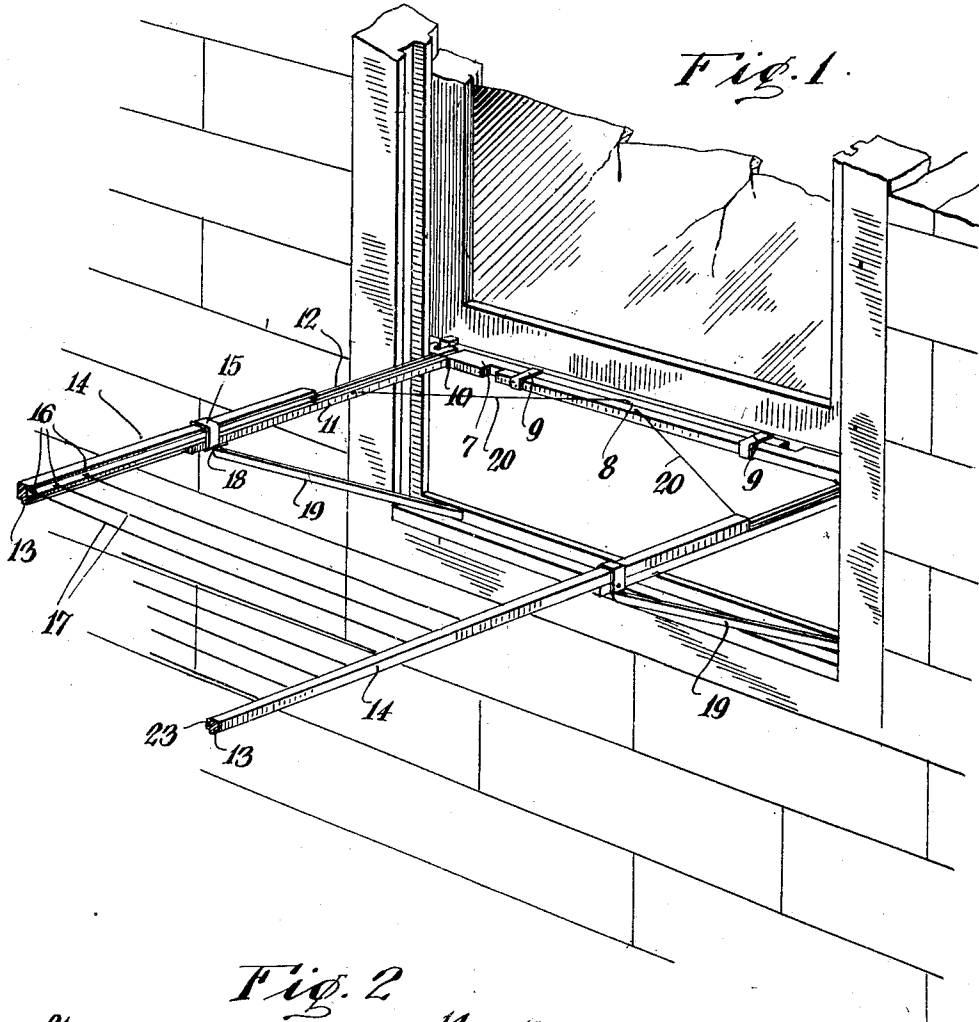
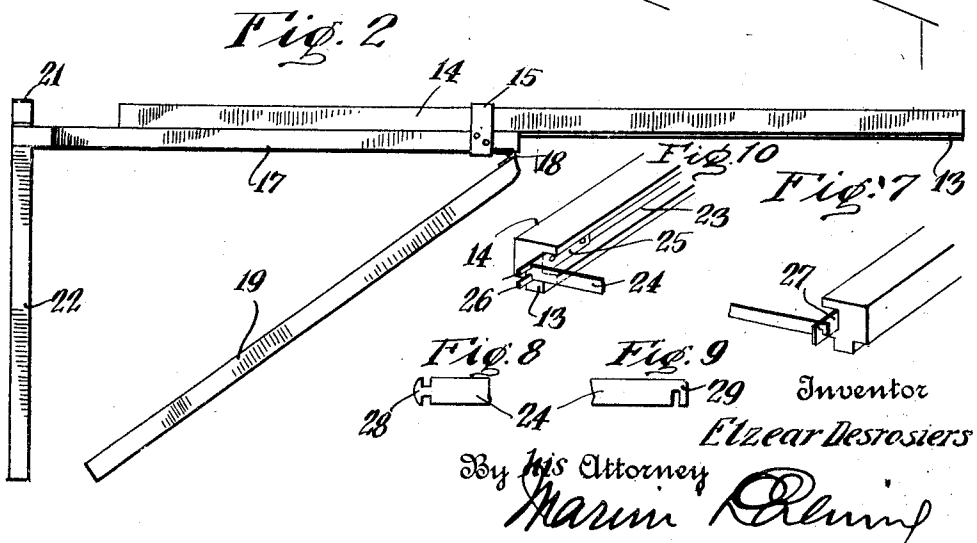
E. DESROSIERS

1,733,485

CLOTHES DRIER

Filed Jan. 7, 1928

2 Sheets-Sheet 1



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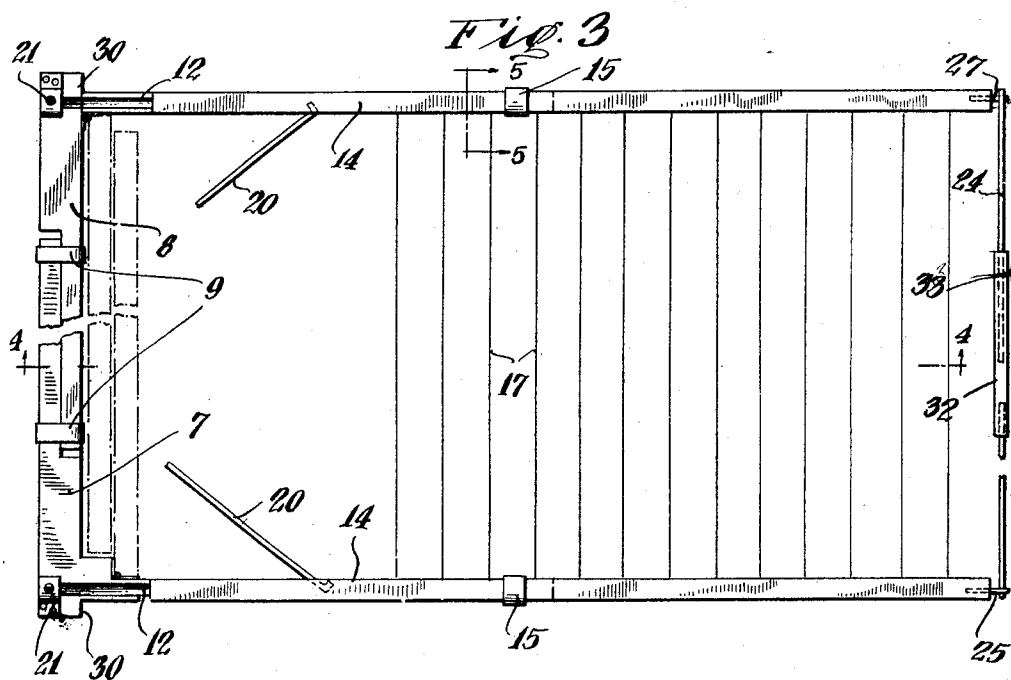
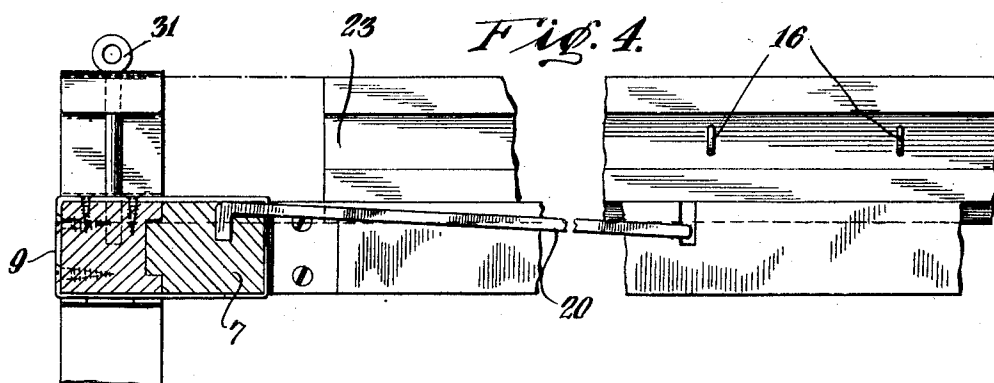
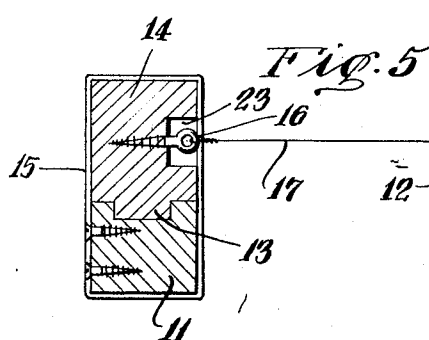
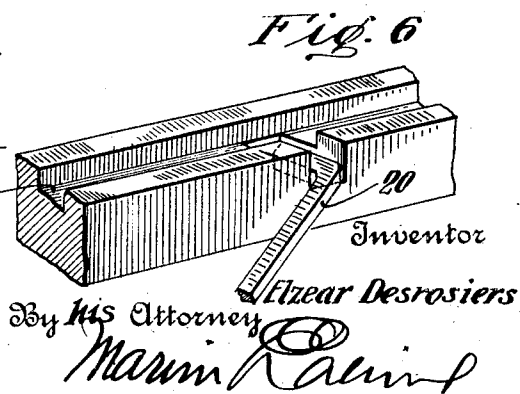
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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

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CLOTHES DRIER

Application filed January 7, 1928. Serial No. 245,081.

This invention relates to clothes lines and more particularly to such devices which are adapted for use in apartment houses and other dwellings, in which the space allotted for the drying of clothes is limited.

In the past, it has been the custom to dry clothes upon lines running from one pole to another pole, or in apartment districts, the lines are run from window or from a window to a common pole used by the occupants of several apartments. Such expedients have been found to be unsightly and inconvenient. Consequently, it is an object of this invention to provide a device for drying clothes which will be safe, convenient, and not displeasing in appearance.

A further object is to provide a clothes drying device which may be conveniently adjusted to accommodate small and large quantities of clothes to be dried.

A further object is to provide a clothes drying device which may be readily assembled and installed in the standard window of an apartment house without resort to tools.

These several important features, together with others, which will become apparent as the description progresses are achieved by the novel construction and combination of elements, hereinafter illustrated in the associated drawings, constituting a component of this disclosure, and in which:—

Figure 1 is a perspective view showing the device installed.

Figure 2 is a side view of the device assembled.

Figure 3 is a plan view of the assembled device.

Figure 4 is a cross-sectional view taken along line 4—4 of Figure 3.

Figure 5 is a cross-sectional view taken along line 5—5 of Figure 3.

Figure 6 is a perspective view of a detail.

Figure 7 is a perspective view of an adjusting expedient.

Figures 8, 9 and 10 are plan views of details in the adjusting expedient shown in Figure 7.

Referring to Figure 1, a flat horizontal strip 7 is shown to have a cut-out portion, so

that the strip 7 may overlap a similar strip 8. Metal bands 9 hold the two strips in stable position and enable them to be adjusted longitudinally relative to each other. The strips 7 and 8 are placed on the inside of the window and have extending portions 30, as shown in Figure 3, which contact with the inside surface of the window frame and prevent the device from falling out of the window.

Connected by hinges 10 to the strips 7 and 8, are horizontal outwardly extending strips 11, having grooves 12, in which flanges 13 of strip 14 are slidable. Metal bands 15 and 21 are provided to hold the strips 11 and 14 in stable and adjusted positions.

The strips 14 are provided with grooves 23, in which screwed metal eyes 16, to which are fastened the wires or ropes 17, upon which the clothes are hung.

Connected to strips 11, by means of hinges 18, adjacent the metal bands 15, are supports 19 which are adapted to rest against the window sill to aid in support of the device.

Vertical supports 22, connected to strips 7 and 8, by suitable hinges, further aid in the stable support of the device. These vertical supports 22 rest on the portion of the sill which lies on the inner side of the window.

The stability and rigidity of the device is further assisted by the metal rods 20 which engage apertures in strips 7, 8 and 11.

The outer extremities of the strips 14 are held in proper spaced relation and prevented from converging by the metal bar 24, which has a hook at one end adapted to a slot in a metal plate 27, fastened in groove 23 of one of the strips 14; and the other end of the bar 24 is provided with a double hook extremity adapted to be positioned between the forks 26 of the metal plate 25 fastened in groove 23 to the other strip 14. (See Figures 7, 8 and 9). As shown in Figure 3, the bar 24 is made in two parts telescoped by an apertured member 32, the latter being provided with a set screw 33, which permits the length of the bar 24 to be adjusted to accommodate various situations.

In operation, the strip 14 is normally held fixed to strip 11 by the pin 31, which passes

through the metal band 21. However, when the quantity of clothes to be dried varies, the pin 31 may be removed and the strip 14 adjustably positioned wherever desired along the strip 11.

5 From the above description, it will be seen that I have provided a practical and convenient clothes drying device which may be readily assembled and set up in the ordinary
10 window without resort to tools and at the same time will be stable and rigid, and will not fall out of the window. The stability of the device also may be further increased by lowering the window so that it rests upon
15 the strips 7 and 8, and thus preventing them from moving upward in case the vertical supports should slip.

Although I have described my invention with considerable detail and with respect to
20 certain preferred forms, I do not desire to be limited to such details, since changes and modifications may be made without departing from the spirit and scope of the invention in its broadest aspect.

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

A clothes drier adapted to be mounted in a window, comprising two strips longitudinally adjustable relative to each other, and
30 provided with apertures, extensions on said strips contacting with the inside of the frame of the window to hold the drier in place, grooved, outwardly extending recessed bars
35 hingedly connected to said strips and flanged extension pieces grooved in their inner oppositely directed faces slidable with their flanges in the grooves of said bars, means for holding bars and extension pieces in stable
40 and adjusted positions, means in the grooves of said extension pieces for allowing a suspension of clothes, means for bracing said grooved bars against the window sill, vertical
45 supports hingedly connected to said strips adapted to rest on the inner portion of the window sill, metal rods having angular ends resting in the apertures of said strips and bars for increasing the stability of the drier, a bi-partite spacing bar, spacing the free ends
50 of said extension pieces, an apertured member into which the parts of said spacing bar telescope endwise, and a set screw passing through said apertured member for allowing an adjustment of the length of said spacing
55 bar, a hook on one end of said spacing bar adapted to engage a metal plate in one of said extension pieces, a forked metal plate in the end of the other extension piece, and a double
60 hook on the other end of said spacing bar adapted to be positioned between the forks of said metal plate.

In witness whereof I have affixed my signature.

ELZEAR DESROSIERS.