

May 10, 1932.

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1,857,738

CLOTHESLINE SUPPORT

Filed April 16, 1931

2 Sheets-Sheet 1

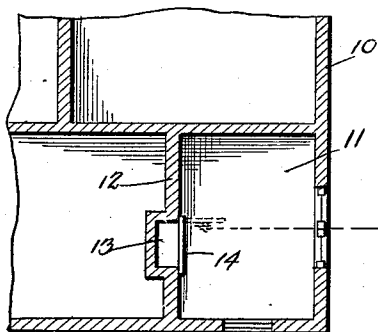


Fig. 1.

Fig. 2.

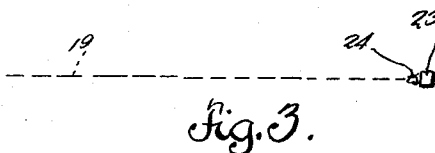
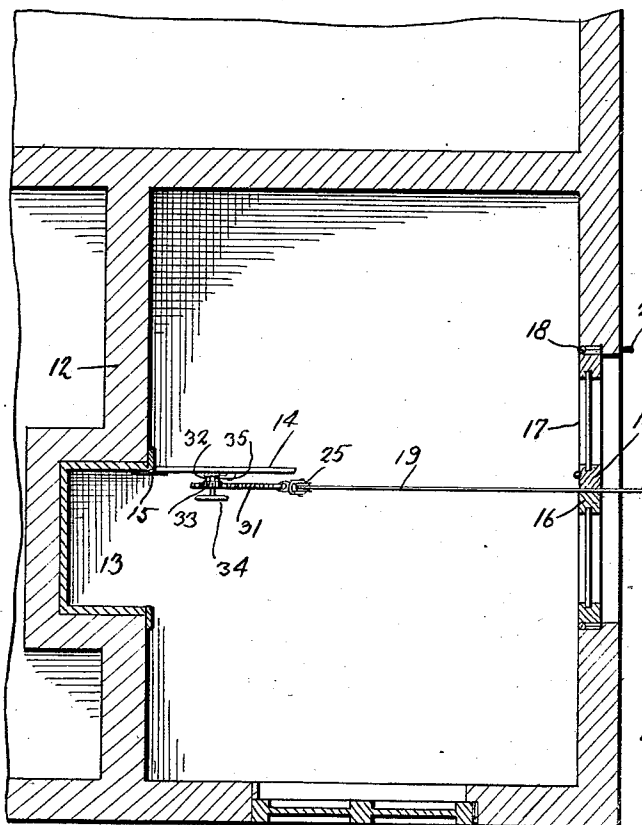


Fig. 3.

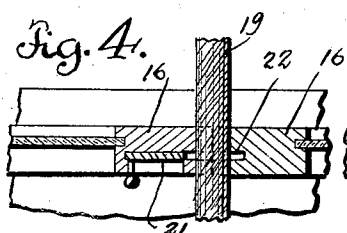


Fig. 4.

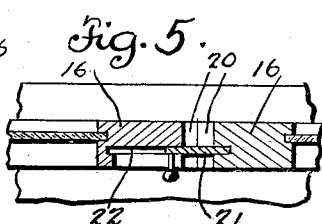


Fig. 5.

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Fig. 7.

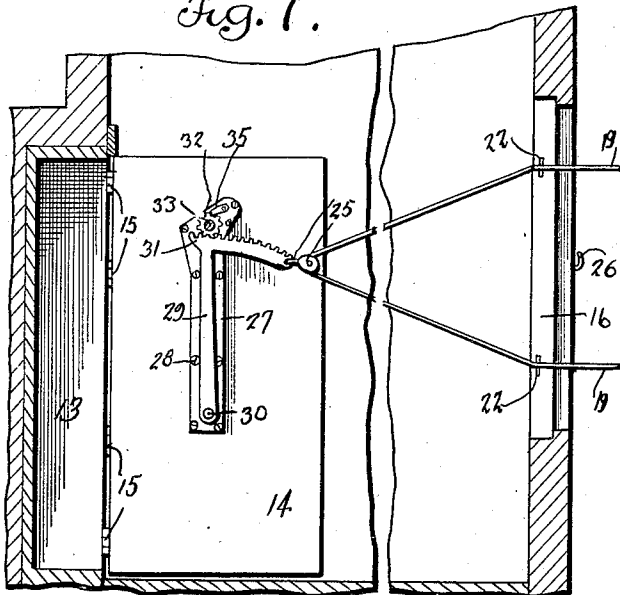


Fig. 6.

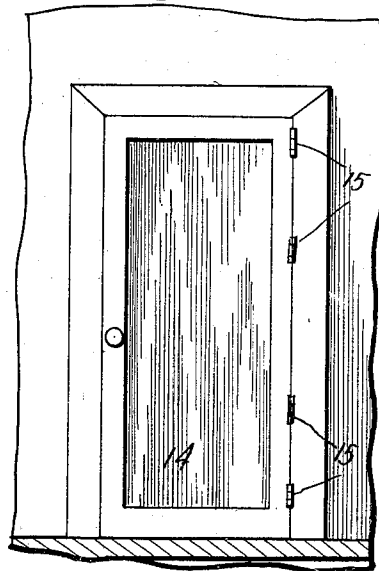


Fig. 8.

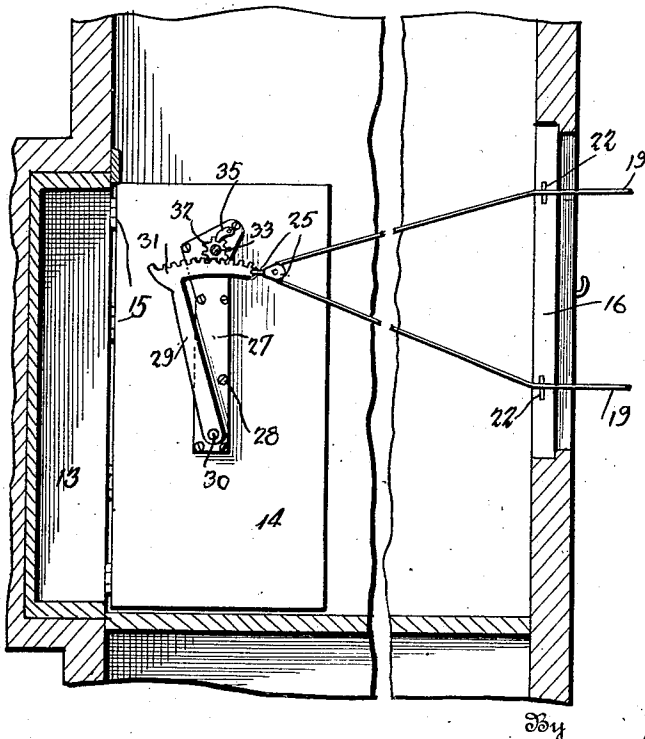
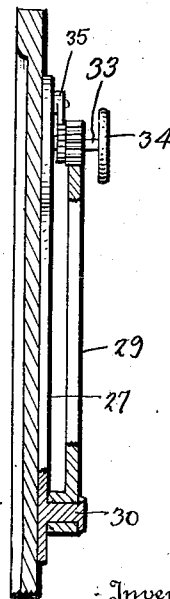


Fig. 9.



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UNITED STATES PATENT OFFICE

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CLOTHESLINE SUPPORT

Application filed April 16, 1931. Serial No. 530,644.

This invention relates to certain new and useful improvements in clothes line supports.

The primary object of the invention is to provide a clothes line of the endless type extending from a point within a building structure room, such as a kitchen to a window opening for attachment to a post exteriorly of the building structure so that the clothes may be attached to the line within the kitchen room and extended through the window to occupy a position exteriorly of the building structure.

A further object of the invention is to provide a clothes line of the foregoing type wherein the support for the inner end of the line within a building structure room such as the kitchen may comprise a partition wall or a hinged door that when opened is alined with pieces of hinged window sashes so that the direct line of pull on the clothes line will be in alinement with the hinged door in open position and with slack adjusting means carried by the partition wall or hinged door for tightening the clothes line.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings and claimed.

In the drawings:—

Figure 1 is a fragmentary horizontal sectional view of a portion of a building structure showing a room having hinged window sashes set in an outer wall thereof and a compartment or cupboard door to which the inner end of the clothes line is attached, diagrammatically illustrated by dotted lines with the cupboard door in open position;

Figure 2 is an enlarged fragmentary horizontal sectional view, similar to Figure 1, showing the meeting edges of the hinged window sashes and the clothes line passed there-through, the cupboard door in open position and supporting the inner end of the clothes line; the door when in open position being aligned with the meeting edges of the hinged window sashes;

Figure 3 is a fragmentary elevational view

of the window sashes showing the runs of the endless clothes line extending through openings in the meeting edges of the hinged window sashes;

Figure 4 is a detail sectional view taken on line 4—4 of Figure 3, showing the slide closure for the run openings in the meeting edges of the window sashes;

Figure 5 is a detail sectional view, similar to Figure 4, with the slide closure for the run openings in its closed position, when the clothes line is out of use;

Figure 6 is a fragmentary elevational view of a part of the kitchen room wall carrying a horizontally swinging door closure for a cupboard or the like, and to which door closure the inner end of the line is attached;

Figure 7 is a fragmentary vertical sectional view showing the cupboard in open position with the inner side thereof carrying the slack adjuster or tightener for the clothes line;

Figure 8 is a detail sectional view, similar to Figure 7, with the slack adjuster shifted for tightening or extending the clothes line; and

Figure 9 is a detail vertical sectional view through the cupboard door showing the slack adjuster and the operating handle therefor.

Referring more in detail to the accompanying drawings, there is illustrated a clothes line of the endless type having one end supported upon a post exteriorly of the building structure while the other end of the endless clothes line extends through a window sash to enter a room of the building structure for attachment to a partition wall or cupboard door, or the like, the building structure comprising a kitchen room into which the clothes line extends, so that clothes may be placed upon the line and then shifted to occupy positions exteriorly of the building structure. The partition wall of the kitchen room has a compartment or cupboard therein that is closed by a horizontally swinging door hingedly mounted as at one vertical side edge thereof, and said door 14 when in open position as shown in Figure 2 is substantially aligned with the vertical meeting rails of horizontally

swinging window sashes 17 hingedly mounted at their outer vertical edges as at 18.

To accommodate the passage of the runs 19 of the endless clothes line through the meeting rails 16 of the window sashes, said meeting rails 16 are provided with registering notches 20 shown more clearly in Figure 5, said notches being closed by the slide plate 21 movable in guide grooves 22 in the sash rails when the clothes line is out of use, the registering notches 20 being arranged one above the other for holding the runs 19 of the endless clothes line in spaced relation.

The support for the outer end of the clothes line, or the end thereof spaced from the building structure 10, includes a post 23 or the like as shown in Figure 1, to which a pulley is attached for guiding the runs of the line, the clothes line when out of use having the pulley and hook 25 associated with the inner looped end thereof supported by the hooks 26 shown in Figures 2 and 7, that is disposed at the outer side of the building structure 10 adjacent the window 17.

A slack tightener and support for the inner looped end of the endless clothes line is mounted upon the inner face of the hinged cupboard door 14 and includes a mounting plate 27 shown more clearly in Figures 7 to 9 that is secured to the door 14 as at 28 with an arm 29 pivotally mounted at its lower end as at 30 upon the mounting plate 27. The upper end of the arm 29 carries a rack segment 31 that is engaged by a rack pinion 32 carried by the stub shaft 33 journaled at one end in the mounting plate 27 while its outer end carries an operating handle 34. A dog 35 on the mounting plate is engageable with the rack pinion 32 for holding the latter in its rotatably adjusted position as will at once be obvious from an inspection of Figures 7 and 8.

From the above detailed description of the invention, it is believed that the construction and operation thereof will at once be apparent, it being noted that when the clothes line is out of use, the combined pulley and hook 25 is suspended at the outer side of the building upon the hook 26 and the registering notched openings 20 and the meeting rails 16 of the hinged sashes 17 are closed by the sliding plates 22 as shown in Figure 5. When the endless clothes line is set up for use, the cupboard door 14 is opened and the rack segment 31 upon the arm 29 substantially aligns with the registering notches 20 so that a direct pull on the clothes line is substantially parallel with the open end door 14, the latter having a plurality of hinge mountings to relieve undue strain on the door. The clothes are placed on one of the runs 19 of the endless clothes line within the kitchen room 11 so that it is unnecessary for a person to go to the outer side of the building to place the clothes on the line, sagging or

slack of the line being taken up by shifting the arm 29 by rotating the rack pinion 32 for shifting the rack segment 31 and arm 29, the different positions of the rack segment being illustrated in Figures 7 and 8.

While there is herein shown and described the preferred embodiment of the invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:—

1. In a clothes hanging apparatus wherein one end of an endless clothes line is supported within a building and the other end is supported outside of the building and in which the line passes through a window of the building, said window comprising hinged sashes, the meeting edges of the sashes having line passage openings therein and shutters to close the openings carried by the meeting edge of one sash and movable into the edge of the other sash.

2. In a clothes hanging apparatus wherein one end of an endless clothes line is supported within a building and the other end is supported outside of the building and in which the line passes through a window of the building, the support for the inner end of the endless clothes line comprising a perpendicular member, an arm pivoted on the member, a rack on the free end of the arm, and to which the clothes line is attached and a manually operable pinion and pawl device co-acting with the rack for placing the clothes line under tension.

In testimony whereof I affix my signature.
GIOVANNI OLIVIERI.