M. RUTH.

CLOTHES LINE SUPPORT.

APPLICATION FILED APR. 17, 1912.

1,038,968. **Patented Sept. 17, 1912.**

Fig 1

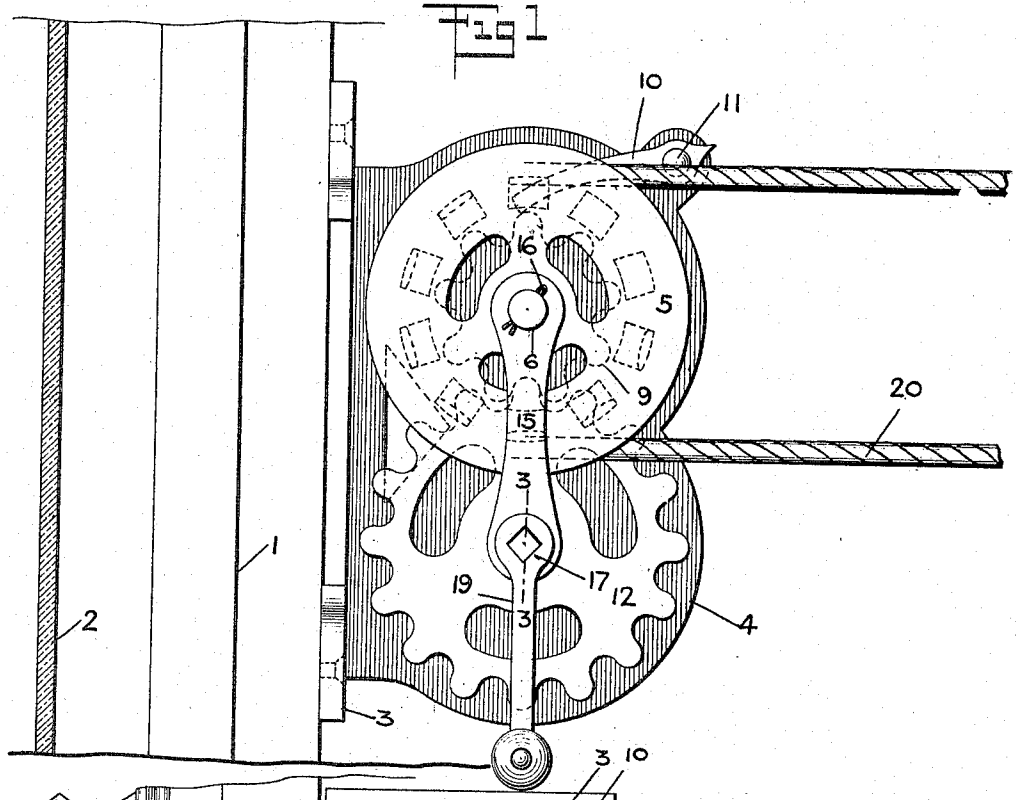


Fig 2

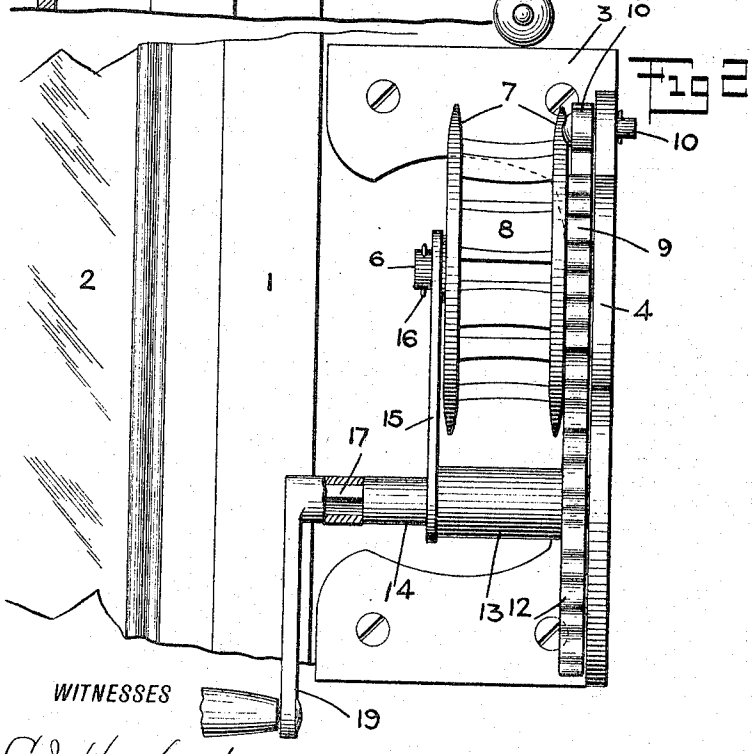
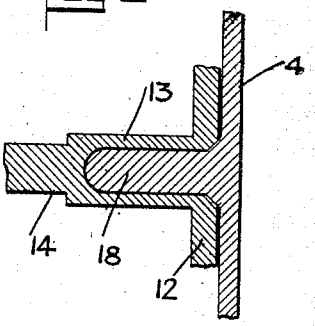


Fig 3



WITNESSES

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CLOTHES-LINE SUPPORT.

1,038,968. Specification of Letters Patent. Patented Sept. 17, 1912.

Application filed April 17, 1912. Serial No. 691,389.

To all whom it may concern:

Be it known that I, MAX RUTH, a subject of the German Emperor, and a resident of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Clothes-Line Support, of which the following is a full, clear, and exact description.

My invention relates to an improvement in clothes line supports, and it comprises a compact attachment that can be easily mounted upon the side of a house adjacent a window thereof, and by means of which the clothes line can be readily and conveniently operated to enable the wash to be hung out to be dried and taken in after drying.

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

Figure 1 represents a side elevation of my clothes line support in position beside a window; Fig. 2 is a front elevation of the same; and Fig. 3 is a vertical section on the line 3—3 of Fig. 1.

Referring particularly to the drawings, the numeral 1 represents a window frame, and 2 the window therein.

My support comprises a base 3 which is secured to the outer wall of a building beside the frame 1; and to the base 3 is connected integrally or otherwise an outwardly-extending plate 4. This plate 4 supports an operating wheel or drum 5 mounted to rotate freely upon a stud or spindle 6, rigid with the plate 4, the clothes line passing over the wheel 5 to be moved thereby when the wheel is turned. This wheel comprises a pair of disks 7 connected by means of bars 8, providing a frame construction; and it is to be understood that the plates 7 are perforated at their centers to receive the stud 6, and may be connected by means of a hollow hub which fits upon the stud 6, if desired.

Rigid with the wheel 5 by being secured to one of the disks 7 is a gear wheel 9, this gear wheel 9 being centrally perforated to allow the stud 6 to pass therethrough, and being located between one of the disks 7 and the plate 4.

10 is a pawl mounted upon a projection 11 carried by the plate 4, to engage the teeth of the wheel 9 and hold the same in any given position, preventing it from moving backward when the wheel or drum 5 is operated.

The gear wheel 9 is actuated by means of a pinion 12 having a hollow boss 13 projecting from one face thereof. This boss 13 has a reduced portion 14, and terminates in a polygonal extremity 17; and the boss is hollow, as shown in Fig. 3, to enable the same to fit over a stud 18, projecting from one face of the plate 4, so as to mount the pinion 12 pivotally on the plate 4.

19 is a crank which fits over the polygonal end 17 of the boss 13; and 15 is a link which is slipped over the reduced section 14 of the boss, and fits against the shoulder separating the body of the boss 13 from the reduced section 14, the other end of this link being slipped over the end of the stud 6, and held in position by means of a retaining device 16, which is passed through an aperture in the end of the stud. The link and retaining device thus serve not only to hold the wheel 5 and gear 9 on the stud 6, but also serve to hold the gear 12 on the stud 18; and thus the parts are prevented from ever getting separated from the base 3 and plate 4.

The clothes line is shown at 20, and it is passed over the operating wheel 5, this clothes line being preferably in the form of a closed loop and being supported at its opposite end by means of an ordinary pulley mounted upon a pole or wall. When the wash is to be hung out it is pinned upon the lower line of the rope 20, and the crank turned to rotate the wheel 5 in a counter-clockwise direction. This wheel will be held against return movement by the pawl 10; and when the wash has been dried it is necessary to lift the pawl 10 in order to bring the same back to the window to enable the garments to be removed from the rope and taken in.

I wish to have it understood that this application illustrates and describes but one embodiment of my invention, and that I do not care to be limited to the details thereof, but reserve to myself the right to make such changes in the shape, size and arrangement of the parts as fairly fall within the scope and spirit of my invention.

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

The combination of a base having a stud projecting therefrom, an operating wheel

pivotally mounted upon said stud, said stud extending through said wheel, a gear wheel rigid with said operating wheel and located between the same and the base, a pawl carried by the base and engaging the gear to prevent the same from moving in one direction while permitting it to move freely in the other direction, a second stud, a second gear wheel having a hollow boss receiving said second stud to be pivotally mounted upon said base, said boss being closed at one end and having a reduced section adjacent its closed end terminating in a shoulder, a link having a perforation at one end receiving said reduced section and fitting against said shoulder, and another perforation at its opposite end to give passage to the outer end of the first-named stud, means carried by the first-named stud to hold the link in place, and a crank for engaging the outer end of the boss beyond the shoulder to operate the gears.

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

MAX RUTH.

Witnesses:
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JOHN P. DAVIS.