F. A. HUMPIDGE.

CLOTHES DRIER.

APPLICATION FILED MAR. 8, 1915.

1,220,514.

Patented Mar. 27, 1917.

2 SHEETS—SHEET 1.

Fig. 3.

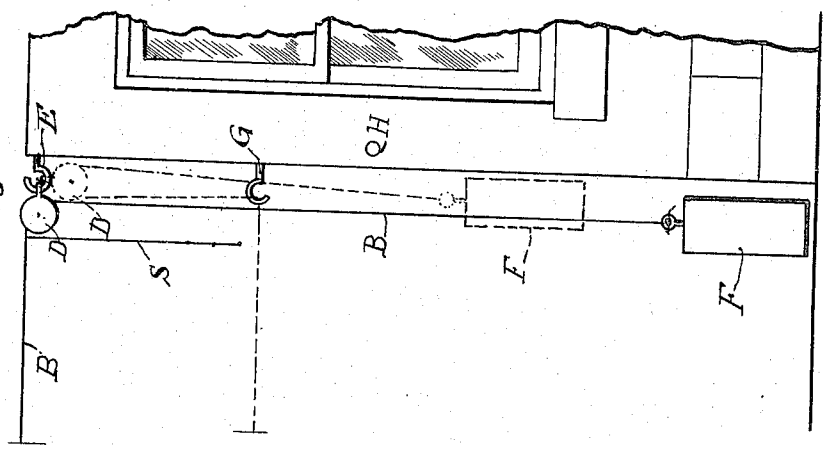


Fig. 2.

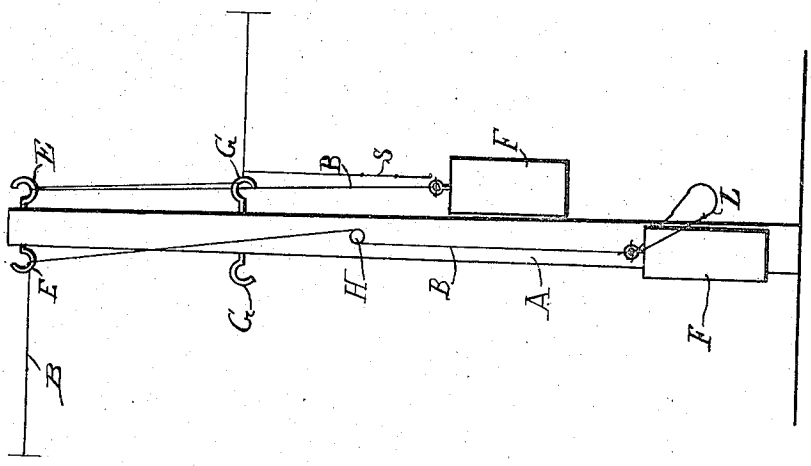
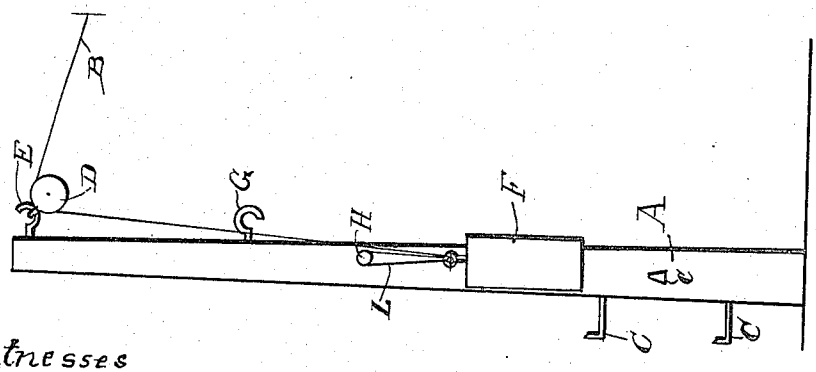


Fig. 1.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 6.

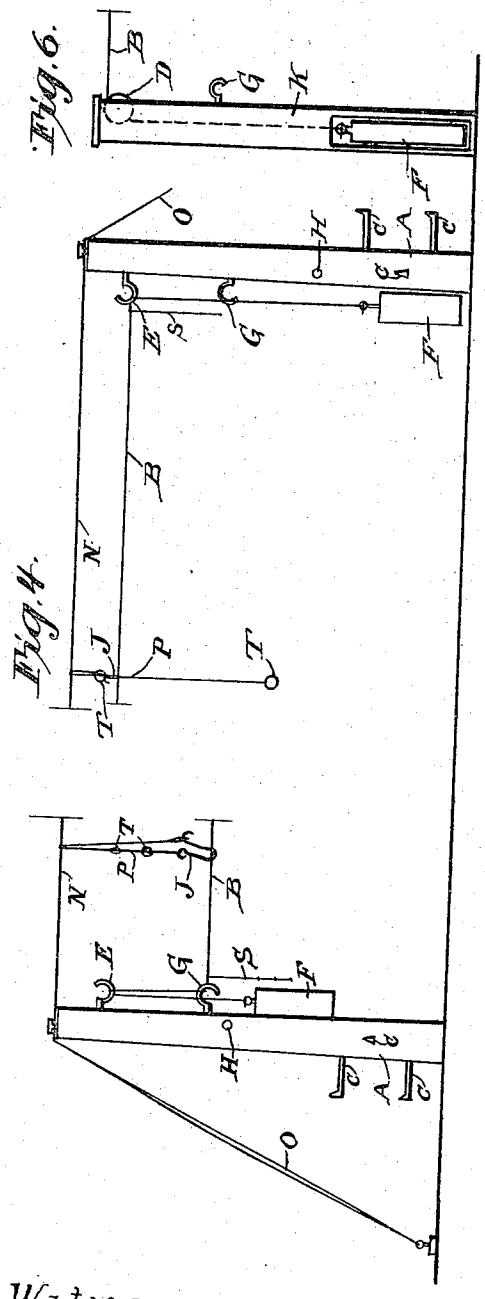
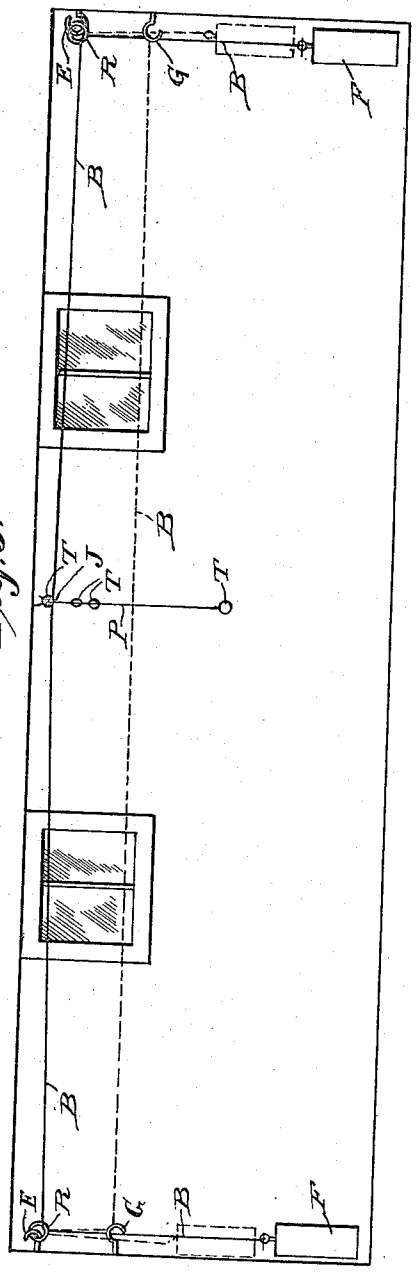


Fig. 4.

Fig. 5.



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FREDERICK A. HUMPIDGE, OF DETROIT, MICHIGAN.

CLOTHES-DRIER.

1,220,514. Specification of Letters Patent. Patented Mar. 27, 1917.

Application filed March 8, 1915. Serial No. 13,080.

To all whom it may concern:

Be it known that I, FREDERICK A. HUMPIDGE, a British subject, residing at Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Clothes-Driers, of which the following is a specification.

My invention relates to improvements whereby a clothes line is given a continuous tension by the power of weights and all the horizontal part of the line is made vertically adjustable, and the object of my improvements is to provide a simple, inexpensive, vertically adjustable clothes line that when placed at a high elevation it can be pulled down by hand and secured at a convenient height to pin clothes thereon.

I accomplish this by a continuous tension obtained by gravity and other facilities hereinafter described and illustrated in the accompanying drawings.

Figure 1 is an elevation of the line supporting post showing the line tension means in inoperative position.

Fig. 2 is an elevation of second line supporting post for supporting two lines, one of which is in elevated position, and the other line is in the lowest position within reach of the user.

Fig. 3 shows my device attached to the wall of a house.

Fig. 4 is a side elevation of my device as used in a clothes yard.

Fig. 5 is a side elevation of my device as used in a basement.

Fig. 6 is an elevation of a modified form of clothes line supporting post.

Similar letters refer to similar parts throughout the several views.

The clothes line supports may be posts A, walls of buildings, or any resistible object to which hooks can be secured higher than the ordinary clothes line supports and the said supports are placed twenty to fifty feet apart.

The line "B" is threaded through the sheaves of the pulleys "D" and "D", carried by hooks E which are secured to posts A or to building walls as shown in Figs. 3 and 5, and the said line has attached to each end a weight "F" of concrete or any preferred material. The weights in inoperative position are hung by loops "L" upon the pins "H" which are screwed into the line posts (see Fig. 1) for a desired slackness of line "B" when the said line and pulleys are being placed thereon and removed from hooks "E" and "E" which are screwed or otherwise secured at a desired height to the line supports, and readily reached by the spike steps "C C C" that are driven into the line supports. The line "B" may be slackened as before mentioned when being hooked to the hooks "G" and "G" which are secured at five or six feet from the base of the line supports, this height being convenient for pinning clothes thereon and removing them when dry. When the line "B" is released from the hooks "G" and "G" the pull exerted by the weights "F" and "F" raises the line of clothes out of harms way. The lines "S" and "S" are of sufficient length to reach by hand when attached to the horizontal part of line "B" for pulling said line down and easing it up by hand when hooking it on to and releasing same from the hooks "G" and "G."

If more tension is required in the horizontal part of line "B" its vertical part is pulled downward and one or more coils placed around pin "H" to retain the extra tension. This device can be used without the pulleys by stringing the line over the hooks "E" and "E" (see Figs. 1 and 2).

The hollow posts "K" and "K" (see Fig. 6) are used for line supports and to conceal the weights "F" and "F" and are provided with sash pulleys and hooks "G" and "G." The said sash pulley is secured in an operative position in a slot near the top of a hollow post K in such a manner as to project inside and outside of said post to give both vertical parts of the line free action when being pulled down to hook under the hooks G and G and when being raised with the gravity power of the weights inclosed in the hollow line supporting post.

The brace wire "N" is secured at the top of the line supports "A" by staples, and the double anchorage wires "O" are also secured to the top of said posts at one end and the other end to a stake or some stationary object and twisted together to brace wire "N" for bracing the supports (see Fig. 4).

The sling "P" is a piece of line one end of which is secured to the eye of the double hook "J" and the said sling line is provided with rings "T T" secured through the line. The said hook J is hooked under the clothes line and the free end of the sling line is passed over a wire provided for supporting said sling and pulled downward to guide the

desired ring T to contact with that part of the hook that is turned downward to receive it.

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

1. In a clothes drier the combination of posts provided with means near their upper ends for supporting a clothes line, a horizontally projecting pin provided on each post, a clothes line provided with a weight on each end thereof and having its intermediate portion carried by said line supporting means, the end portions of said line carrying the weights hanging downward alongside the posts and adapted to be coiled around said projecting pins, whereby the weight of clothes carried on the line which can be supported by the weights is greatly increased as described and set forth.

2. In a clothes drier, the combination of upright supports, a brace wire connecting the upper ends of said supports a clothes line supported between said supports and under the brace wire, and an adjustable sling carried by the brace wire for supporting the clothes line at a point intermediate the upright supports as described and set forth.

3. In a clothes drier, the combination of upright supports, a brace wire connecting the upper ends of said supports, a clothes line supported between said supports and under the brace wire, and an adjustable sling carried by the brace wire said sling consisting of a piece of line attached at one end to one branch of a U-shaped hook, the other end of said line carrying a series of rings each one of which is adapted to engage the other branch of said U-shaped hook, whereby the clothes line is adjustably supported by the loop of said U-shaped hook, at a point intermediate the upright supports as described and set forth.

4. In a clothes drier, the combination of a line supporting means, a clothes line supported thereby, weights coöperating with said line to hold the same under tension by the force of gravity and means adapted to coöperate with said line whereby the weight of clothes carried on the line which can be supported by the weights can be increased as described and set forth.

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Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."