Jan. 21, 1941. W. GODSTREY 2,229,071

CLOTHESLINE CLEANER

Filed Sept. 23, 1939

Fig. 1.

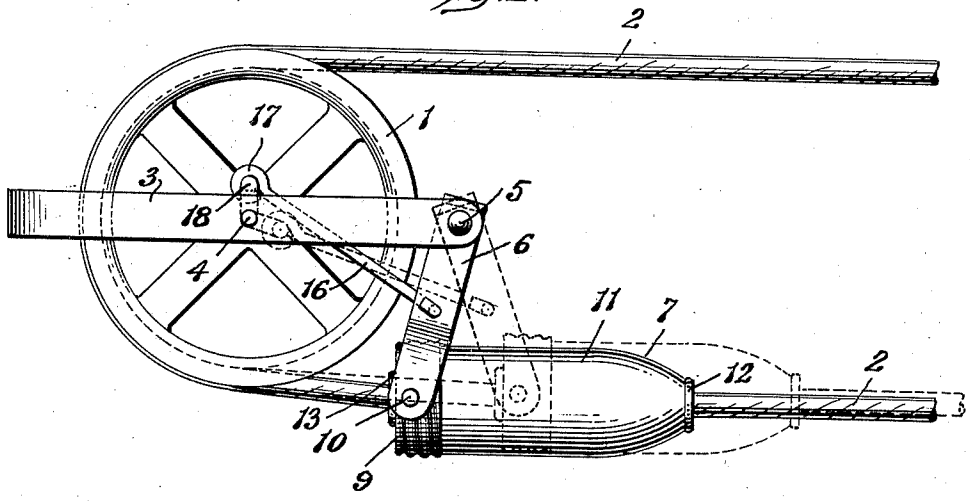


Fig. 2.

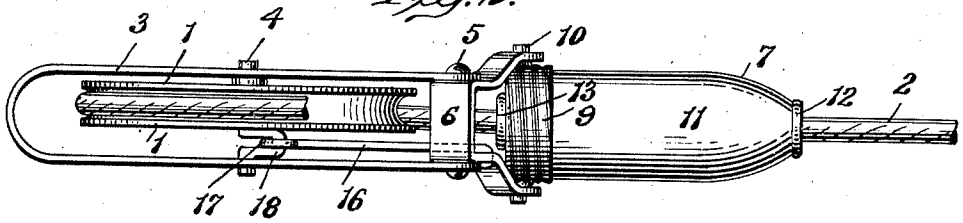


Fig. 3.

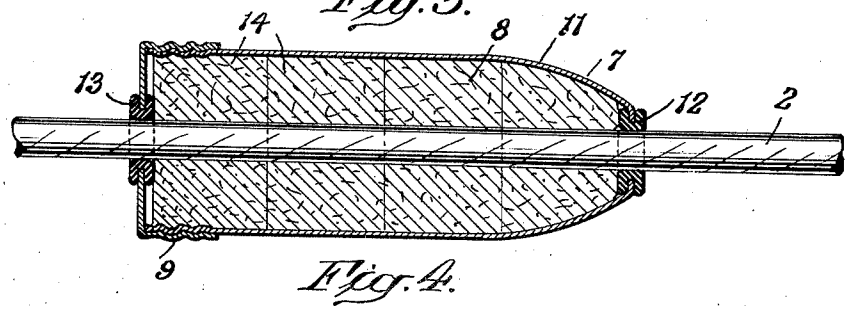
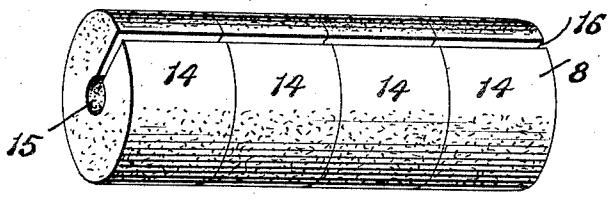


Fig. 4.



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CLOTHESLINE CLEANER

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Application September 23, 1939, Serial No. 296,243

3 Claims. (Cl. 15—246)

This invention relates to clothesline cleaning devices and has for its object the provision of a device which will effectively clean the line as the line is moved through it.

More particularly, the invention contemplates the provision of a cleaning device which is coupled to the conventional pulley over which the line extends, the coupling means between the pulley and cleaning device serving to impart a reciprocating movement to the cleaning device whereby frictional rubbing action is applied by the cleaning device to the line and the line is accordingly cleaned by each movement of it through the cleaning device.

In the accompanying drawing, wherein an embodiment of the invention is shown, Fig. 1 is a side elevation of the improved clothesline cleaner made in accordance with the invention; Fig. 2 is a plan view of the same; Fig. 3 is a longitudinal sectional view through the receptacle in which the cleaning material is contained; and Fig. 4 is a sectional view of a form of cleaning material to be contained in the receptacle.

In the embodiment of the invention shown in the drawing, 1 indicates a clothesline pulley of conventional construction over which the usual clothesline 2 extends. The pulley 1 is rotatably mounted in a bracket 3 of U-shaped formation, said pulley being secured upon the rotating spindle 4 which is journalled in the arms of the bracket 3. Pivotally mounted at 5 between the free ends of the arms of the bracket 3 is a yoke 6 and pivotally mounted between the opposite ends of the yoke 6 is a receptacle 7 in which the cleaning material 8 is contained. The receptacle 7 is provided with a threaded portion 9 having laterally extending studs 10 which form the pivots for the receptacle and which are pivotally mounted in the ends of the yoke 6. The body 11 of the receptacle 7 is removably threaded at one end into the portion 9 and one end of the body portion 11 of the receptacle is fitted with a guide member 12 which may be composed of rubber or some similar material capable of imparting a resilient squeezing action on the surface of the line 2 as the line passes through the guide member 12. The portion 9 of the receptacle is provided with a similar guide member 13 through which the line extends as clearly shown in Fig. 3.

Contained within the receptacle is a suitable material for wiping or cleaning the surface of the line as the line passes through the receptacle. The material may be of any suitable nature and an example of the same is shown in Fig. 4 where it will be seen that the cleaning element is composed of a number of sections 14 of felt or the like, said sections having a central aperture 15 through which the line passes and being split at 16 to facilitate the easy placement of the cleaning material over the line and the renewal of the same when it becomes worn.

One end of a connecting rod 16 is pivotally attached to one of the arms of the yoke 6 and the opposite end of the connecting rod is looped as shown at 17 around the crank portion 18 of the spindle 4 of the pulley 1.

From the foregoing, the operation of my improved device will be readily understood. As the line is moved and the pulley 1 resultantly rotated, the yoke 6 is given an oscillating motion through its connection with the crank 18 by means of the connecting rod 16. This causes the receptacle 7 to be given a reciprocating motion along the line so that the cleaning material contained within the receptacle will impart a scrubbing or wiping motion on the surface of the line as the line is moved through it. It will be understood that as the receptacle is moved back and forth through the mechanism just described, it will apply a scrubbing or wiping action to the line to clean the same. When the cleaning material 8 within the receptacle becomes worn or soiled, it may easily be removed and replaced.

What I claim is:

1. A device of the character described comprising, a clothesline pulley around which a line extends, a bracket in which the pulley is rotatively mounted, said pulley having a shaft provided with a crank portion, a yoke pivoted in the bracket, a receptacle pivotally mounted in the yoke and through which the clothesline extends, a connecting rod extending between the crank portion and the receptacle whereby the receptacle is given a reciprocating movement upon rotation of the pulley, and cleaning material within the receptacle for contact with the portion of the line that extends through said receptacle.

2. A device of the character described comprising, a U-shaped bracket having a pulley rotatively mounted between its arms, said pulley having a shaft provided with a portion terminating in a crank, a yoke pivoted in the bracket, a receptacle pivoted at one end of the yoke, a connecting rod pivoted at one end to the yoke and at its other end to the crank, and cleaning material contained within the receptacle.

3. A device of the character described comprising, a bracket, a pulley rotatively mounted therein, a yoke pivoted at one end of the bracket, a tubular receptacle pivoted at one of its ends between the arms of the yoke, a cleaning material contained within the receptacle, the pulley having a shaft provided with a crank portion, and a link pivotally attached at one of its ends to the crank and at its other end to the yoke.

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