Aug. 7, 1928. 1,679,401

A. F. BRODERICK

CLOTHESLINE CLEANING DEVICE

Filed June 12, 1926

Fig. 1.

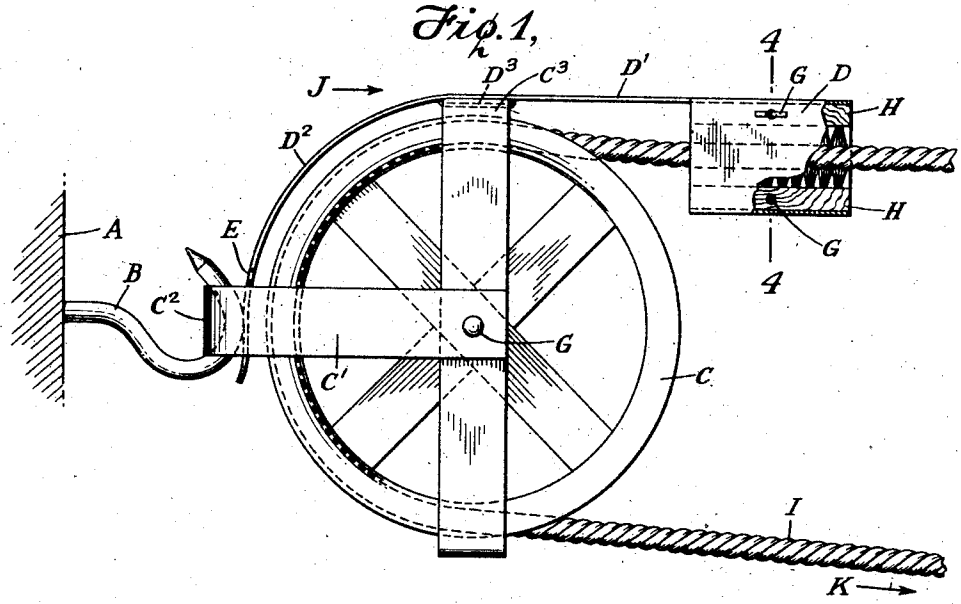


Fig. 2.

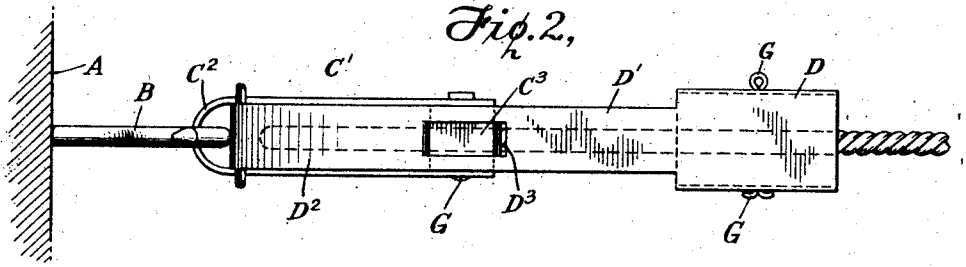


Fig. 3.

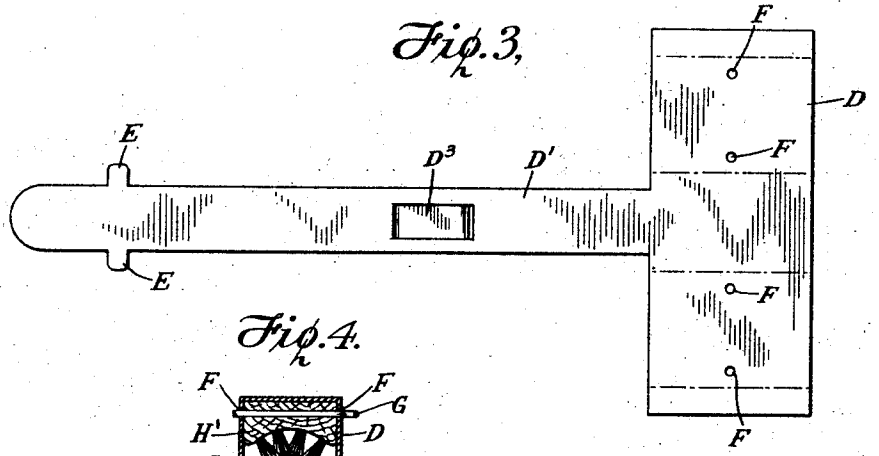
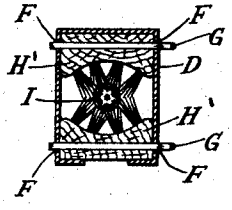


Fig. 4.



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UNITED STATES PATENT OFFICE.

ARTHUR F. BRODERICK, OF JERSEY CITY, NEW JERSEY.

CLOTHESLINE-CLEANING DEVICE.

Application filed June 12, 1926. Serial No. 115,559.

My invention relates to clothes-lines and means for cleaning same.

The object of my invention is to provide means for cleaning a clothes-line by brushing the same in the act of moving the line when hanging clothes.

A further object is to provide means whereby the brush holder may be secured to the frame of the large pulley which supports the line in detachable relation thereto and also to provide means whereby the brushes may be quickly detached or replaced in the brush holder.

Referring to the drawings which form a part of these specifications:

Fig. 1 is a side view of a clothes-line pulley mounted in a supporting frame, and showing my attachment for cleaning the line connected in operative relation therewith.

Fig. 2 is a plan view of the construction shown in Figure 1.

Fig. 3 is a plan view of the sheet metal blank which is to be folded to provide the brush-holder.

Fig. 4 is a cross sectional view taken on line 4—4 of Figure 1.

A, indicates a wooden portion such as a door frame of a house; B, a hook secured to said frame; C a pulley mounted in a bracket C′ of the usual construction. The loop portion C^2 of the bracket C′ engages the hook B and is supported thereby in the usual manner. The bracket C′ comprises the loop-portion C^3 located above the pulley C.

My novel device comprises a housing D made of a sheet metal or other suitable material, and having a strap portion D′ formed integral therewith. The strap is bent at D^2 to conform to the curvature of the pulley and extends through the loop C^2 and presses against the hook B as illustrated, and on its upper side is provided with a hook D^3, formed integral by punching a portion of the metal of the strap into the shape shown in dotted lines in Figure 1, as will be readily understood. This hook engages the top portion C^3 by slipping it under the same in the direction indicated by the arrow J, and to prevent its displacement the strap is provided with laterally extending braces E—E respectively, which rest on the top edges of the bracket C′, and the curved portion D^2 serves as a spring to secure the parts together in separable relation.

The housing D is bent into rectangular form as shown and is provided with holes F at each side thereof through which cotter pins G extend from side to side of the housing and hold the brushes H—H respectively, in position. The inner surface of each brush is preferably curved as illustrated at H′ in Figure 4, and the bristles extend toward the line I and completely surround the same as illustrated. The housing encloses the body parts of the brushes except at each end of the housing where the line I extends, and thereby protects the brushes from injury in shipping. By removing the cotter pins the brushes may be quickly removed for cleaning.

In use, the line portion I is moved in the direction of the arrow K after hanging a piece of cloth, and the upper part of the line is drawn through the housing between the brushes which clean the line, as will be readily understood. My device may be sold as an independent article of manufacture and attached to the pulleys now in use.

Having thus described my invention I claim as new:

1. A line cleaning device of the class described comprising a housing having detachable brush heads positioned so that their bristles extend toward each other in spaced relation and a flexible strap connected to and supporting said housing forwardly of a pulley whereby a line passing about the pulley is adapted to be passed through said housing.

2. A line cleaning device of the class described comprising a housing having detachable brush heads positioned so that their bristles extend toward each other in spaced relation, a flexible strap, having a hook, and connected to and supporting said housing forwardly of and from the top of a pulley whereby a line passing about the pulley is adapted to be passed through said housing.

3. A line cleaning device of the class described comprising a housing having two detachable brush heads positioned so that their bristles extend toward each other in spaced relation, a metallic strap carrying said housing adapted to be connected to a bracket, a hook formed on said strap intermediate its ends anchoring said housing to a pulley bracket in operative relation to a line, the rear portion of said strap being bent for engagement with said bracket.

4. A line cleaning device of the class described comprising a housing formed from a

single blank and having a rearwardly extended metallic strap portion adapted to be connected to a pulley bracket, detachable brush heads adapted to be positioned within the housing so that their bristles extend toward each other in spaced relation, a hook on the lower side of said strap intermediate its ends and lateral braces adjacent the end of said strap, said hook and braces cooperating with said pulley bracket to prevent longitudinal or lateral movement of the device.

In testimony whereof I have affixed my signature.

ARTHUR F. BRODERICK.