(No Model.)

D. YOUNG.

CLOTHES LINE REEL.

No. 438,215. Patented Oct. 14, 1890.

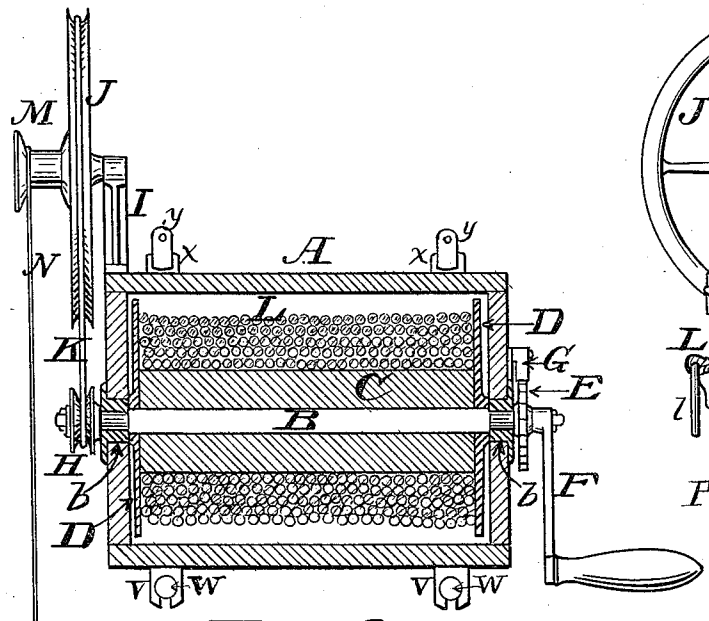


Fig. 3.

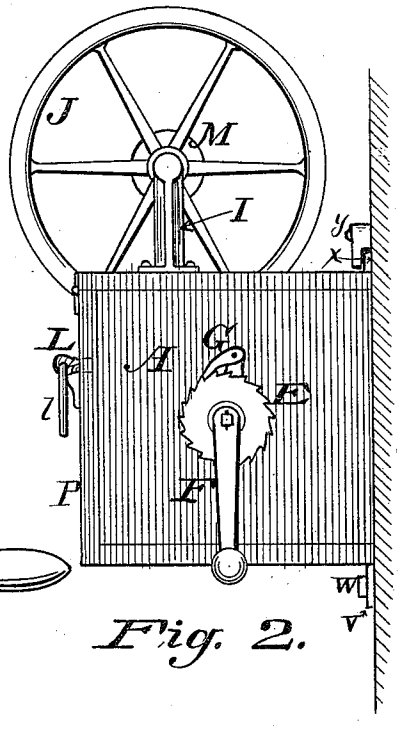


Fig. 2.

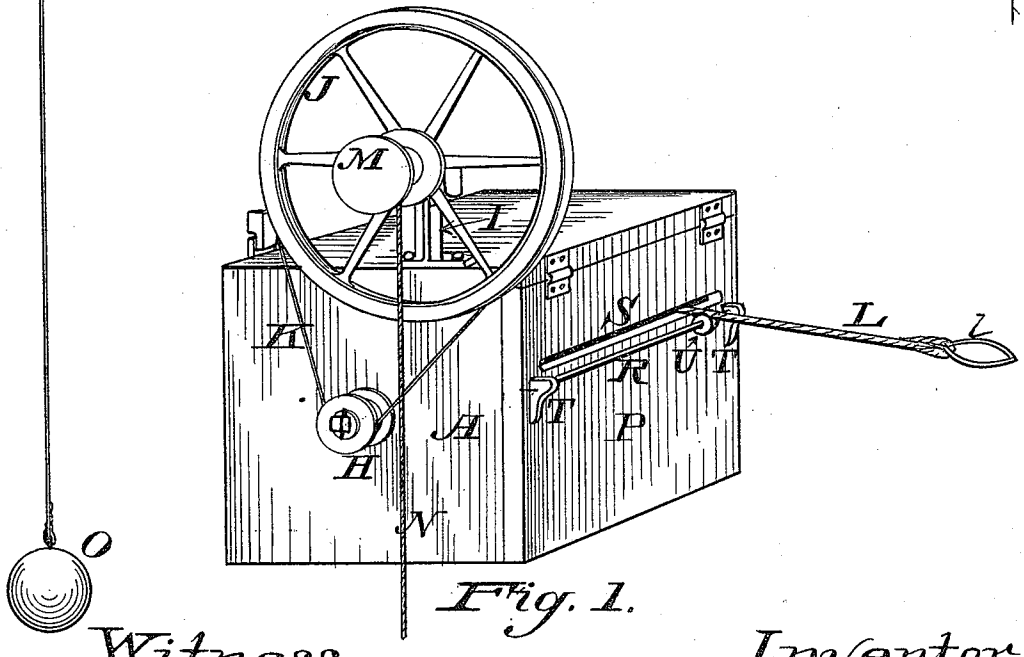


Fig. 1.

Witness,
Geo. B. Tibbitts
Abner Sheffey

Inventor,
David Young,
By his Attorney Geo. B. Tibbitts.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DAVID YOUNG, OF CLEVELAND, OHIO.

CLOTHES-LINE REEL.

SPECIFICATION forming part of Letters Patent No. 438,215, dated October 14, 1890.

Application filed October 12, 1889. Serial No. 326,873. (No model.)

To all whom it may concern:

Be it known that I, DAVID YOUNG, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Clothes-Line Reels, of which the following is a specification.

This invention relates to improvements in reels for protecting clothes-lines; and the invention consists in the peculiar construction and combination of its several parts, as hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of my new clothes-line reel. Fig. 2 is an end view of same. Fig. 3 is a longitudinal section showing construction of the reel.

A represents a box of suitable size and dimensions for containing a reel.

B is an iron shaft set in bearings *b b*, fixed in the ends of the box. Said shaft is made square, except at the bearings.

C is a wooden barrel placed on the shaft, and D D are metal heads or disks placed on the shaft and secured to the ends of the wooden barrel, thus forming a large spool for winding the clothes-line L upon. On one end of the shaft outside of the box is placed a ratchet-wheel E and a removable hand-crank F.

G is a pawl attached to the box and engages with the ratchet-wheel E, and is used for holding the line taut when stretched out. On the opposite end of the shaft and outside of the box is placed a grooved pinion H. To the top corner of the box is set a post I, having a pin on which is fixed to turn a grooved wheel J, connected with the pinion H by belt K. On the wheel J is also made a spool M, to which is attached a cord N with a weight O. The front of the box is provided with a door P, hinged at the upper side, and has a slot S, through which the line L runs in drawing out or reeling in. To the door is also attached a rod R, supported by brackets T T, and upon which is placed a loose grooved pulley U, lying in front of the aforesaid slot S, and over which the line rides as it is paid in or out.

To the lower rear side of the box are attached slotted ears V V, and to the top rear side are attached plain ears *x x*. These are designed for holding the box against a wall or post, the lower ears being set over headed pins W W, fixed to the wall or post, and the top secured by buttons *y y*, attached to the wall or post. Thus the box is removably held in place.

The manner of using this reel is as follows: The box is first secured to its position. Then the ring *l* is grasped and the line drawn out, and as the line is drawn out the cord N is wound up on its spool M. The pawl G is disengaged from the ratchet-wheel during this movement. The crank and the ratchet and pawl are used only for hauling in any slack and stretching the line taut. Now, when the line is to be reeled up after using, the pawl is thrown over from the ratchet-wheel and the line released. Then it will be reeled in by the cord and weight O running down, operating the reel through the medium of the wheel J, belt K, and pinion H.

When the box is removed, the weight may be either unhooked from the cord or the weight and cord may be deposited within the box.

Having described my invention, I claim—

The combination, with box A, line-spool, and line L, of the slotted door, rod R, brackets T T, and loose pulley U, constructed and arranged to operate substantially as described.

DAVID YOUNG.

Witnesses:
ABNER SLUTZ,
GEO. W. TIBBITTS.