June 26, 1928. 1,674,877

M. A. TUFTE

CLOTHESLINE REEL

Filed June 14, 1926

Fig. 1.

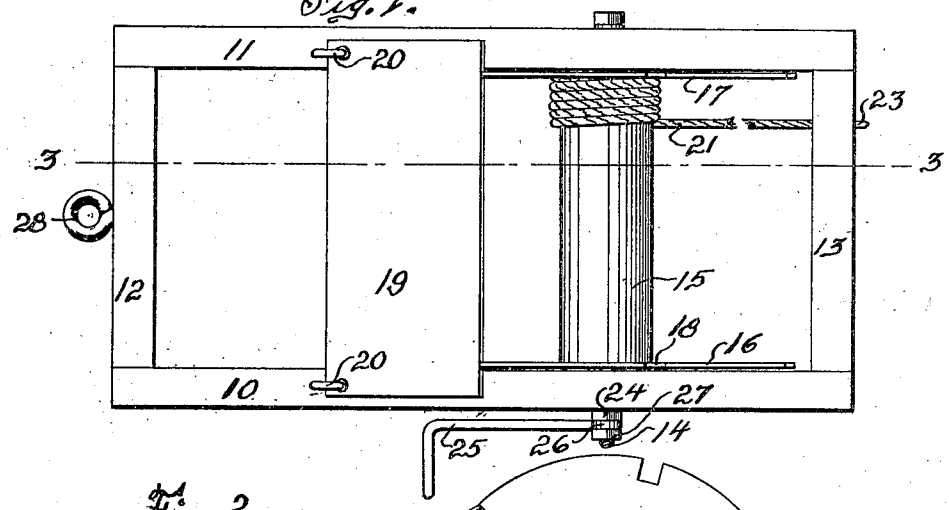


Fig. 2

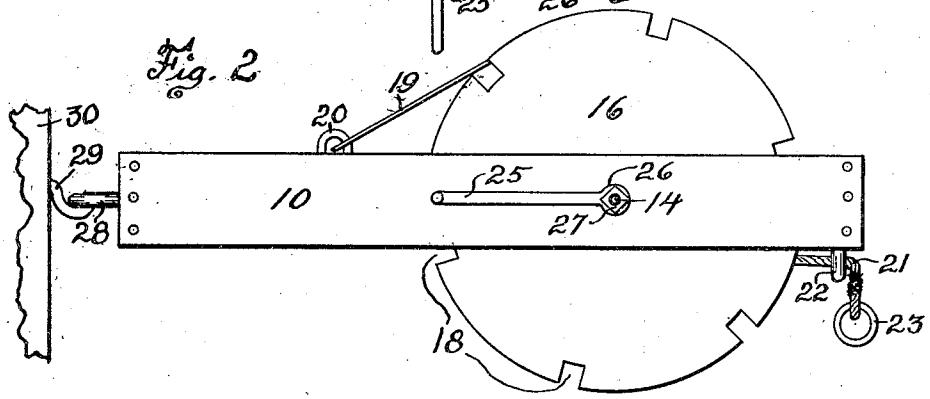
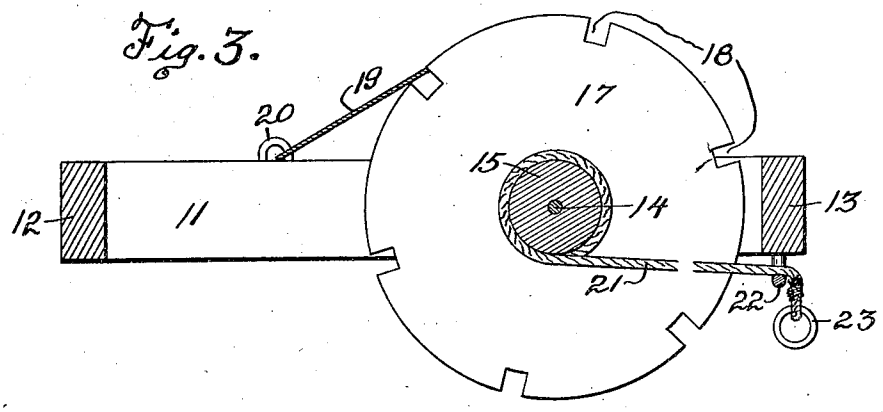


Fig. 3.



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UNITED STATES PATENT OFFICE.

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CLOTHESLINE REEL.

Application filed June 14, 1926. Serial No. 116,057.

An object of this invention is to provide an improved construction for clothes line reels.

A further object of this invention is to provide improved means for carrying a clothes line when wound on a reel.

A further object of this invention is to provide improved means for stretching a clothes line and holding the same taut for use.

My invention consists in the construction, arrangement and combination of elements hereinafter set forth, pointed out in the same and illustrated by the accompanying drawing, in which—

Figure 1 is a plan and Figure 2 a side elevation of my improved reel. Figure 3 is a longitudinal section of the same on the indicated line 3—3 of Figure 1.

In the construction of the device as shown the numerals 10, 11 designate side bars and the numerals 12, 13 designate end bars of a rectangular wooden frame, said bars being rigidly connected at their ends. A bolt 14 is mounted in registering holes in the side bars 10, 11 of the frame, at one side of the center of said bars and a drum 15 is mounted rigidly on said bolt between said side bars. End portions of the drum 15 preferably are formed of metal discs, 16, 17, alike in size and construction and said discs are formed with radial notches 18 in their rims. A detent plate 19 extends across the discs of the drum and overlaps at its ends on the side bars 10, 11. The detent plate 19 is formed with holes in one long margin and staples 20 are mounted with one arm each extending through one of said holes, the points of the staples being driven into the side bars. The detent plate 19 preferably rides on the rims of the discs 16, 17 at one margin and is inclined relative to the side bars 10, 11, said plate being adapted to engage at its free margin with registering notches 18 and prevent reverse rotation of the drum. The detent plate 19 is pivoted or hinged to the frame by the staples 20 and may be turned manually out of engagement with the discs to permit reverse movement of the drum. A clothes line 21 is fixed at one end to the disc 17 and is adapted to be wound on the drum 15, the bight of the line extending through a loop formed by an elongated staple 22 extending along and spaced from the end bar 13 and having its ends imbedded in adjacent end portions of the side bars 10, 11. A ring or eye 23 preferably is secured to the outer end portion of the clothes line 21. A nut 24 is screwed on one end of the bolt 14 adjacent the outer face of the side bar 10 and a hand crank 25 is formed with an eye 26 embracing said end portion of the bolt adjacent the nut 24. A locking nut 27 is screwed on the threaded end portion of the bolt 14 and is adapted to clamp the eye 26 of the hand crank to the bolt 24. Thus provision is made for winding the clothes line on the drum. A screw eye 28 is seated in the central portion and projects from the outer face of the end bar 12 of the frame and is adapted to be engaged with a hook 29 on a support 30 such as a post or the wall of a building to carry the reel and line thereon. When the reel device is engaged with the hook 29 and the ring or eye 23 is engaged with some other fixed device at a distance therefrom, the drum may be rotated by the crank 25 to stretch the line 21 and to hold the same taut for use.

This reel device can be utilized for purposes other than carrying and stretching a clothes line and I do not wish to be understood as limiting its use or my claim for its construction other than by the scope of the appended claims.

I claim as my invention—

1. In a clothes line reel having a rectangular wooden frame, a bolt mounted for rotation transversely of said frame, a drum fixed to said bolt within said frame, a handle on one end of said bolt without said frame and marginal notches in end members of said drum, a detent member adapted to position and hold said drum relative to said frame, said detent member comprising a rectangular plane plate mounted transversely of said frame with one longer margin resting on side members of said frame and hingedly secured thereto by means of staples passing through holes adjacent said margin and engaging in said side members, the opposite longer margin of said plate resting against margins of the end members of said drum and engaging the notches therein, said detent member being gravity held and being also adapted for manual oscillation into and out of engagement with said drum.

2. In a clothes line reel having a rectangular wooden frame, a bolt journaled trans-

versely of said frame, a drum fixed to said bolt within said frame, a handle on one end of said bolt without said frame, notches in the margins of end members of said drum and a detent plate hingedly secured to and transversely of said frame in position to engage said notches at times, a loop guide transversely of said frame and beneath one end thereof, said guide comprising a U-shaped rod having its ends seated in corners of said frame and its central portion beneath and spaced from one end member of said frame.

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