Feb. 27, 1945. J. BONDEL 2,370,520

CLOTHESLINE REEL

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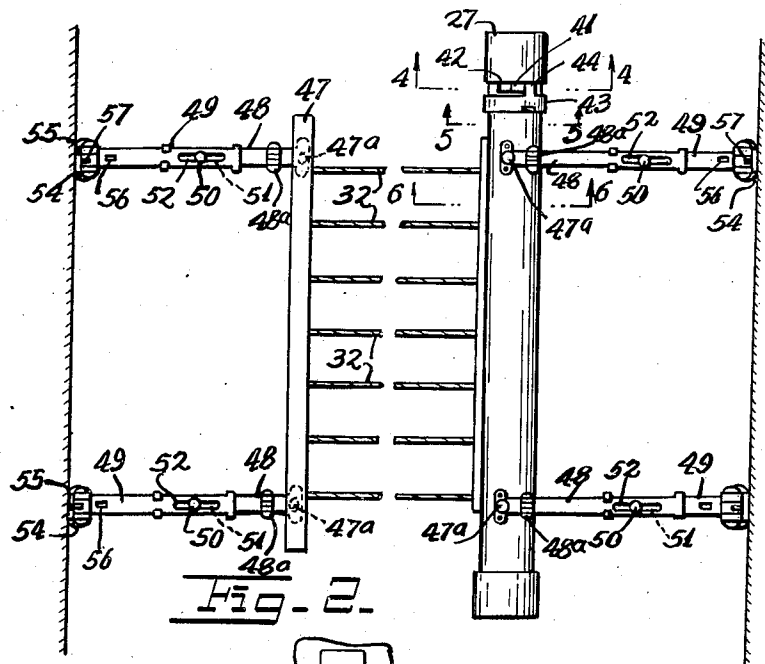



Fig. 2.

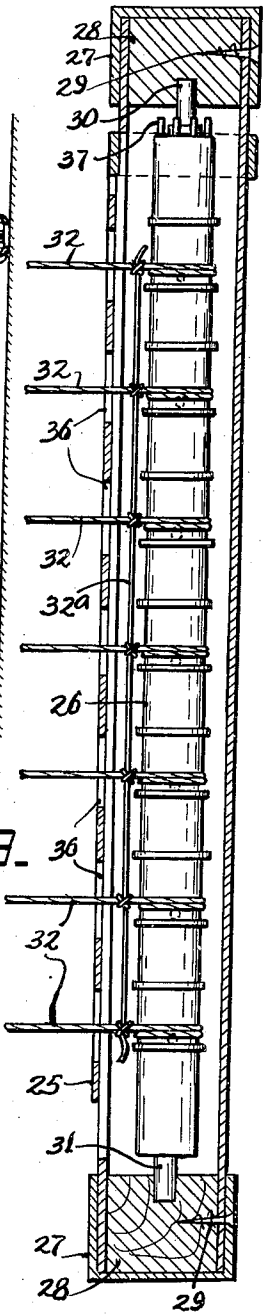



Fig. 3.

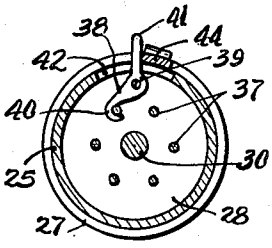



Fig. 4.

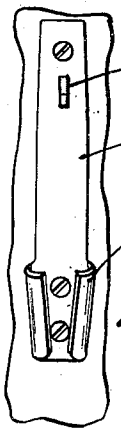



Fig. 8.

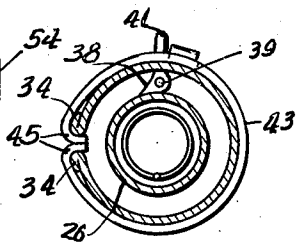



Fig. 5.

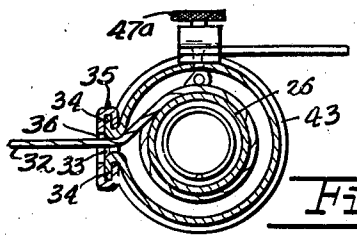



Fig. 6.

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CLOTHESLINE REEL

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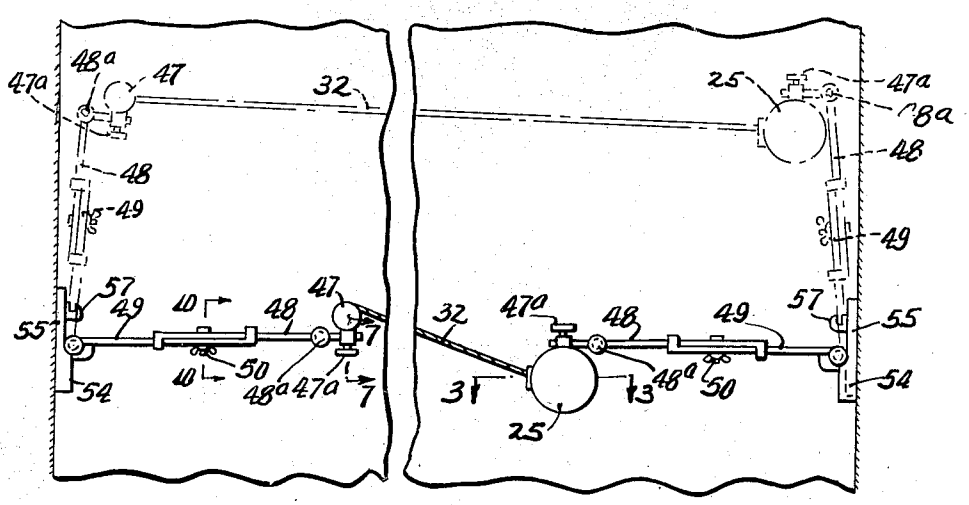



Fig. 1.

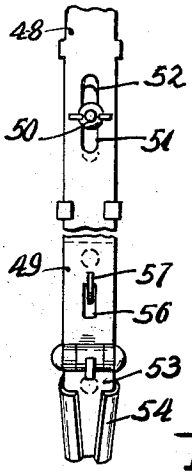



Fig. 9.

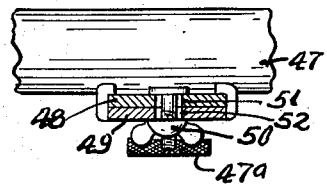



Fig. 10.

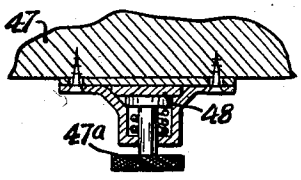



Fig. 7.

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Patented Feb. 27, 1945 2,370,520

# UNITED STATES PATENT OFFICE

2,370,520

## CLOTHESLINE REEL

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Application March 24, 1944, Serial No. 527,873

9 Claims. (Cl. 211—119.01)

This invention relates to new and useful improvements in a clothes line reel.

More specifically, the invention proposes a clothes line reel which includes a tubular casing housing a spring roller provided with a plurality of lines extending from the spring roller through the casing. It is proposed that these lines be connected with a rod provided with means for detachably connecting same with brackets mounted upon an opposed wall. The invention proposes a novel arrangement for supporting the tubular casing and the rod so that both may be extended into a lowered position in which it is convenient to place clothes upon the line and which may then be raised out of the way. The invention further contemplates a novel arrangement for locking the lines in selected extended positions.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a fragmentary transverse sectional view of a pair of opposed walls with a clothes line reel constructed in accordance with this invention.

Fig. 2 is a fragmentary horizontal view of Fig. 1.

Fig. 3 is an enlarged horizontal sectional view taken on the line 3—3 of Fig. 1.

Fig. 4 is a transverse enlarged sectional view taken on the line 4—4 of Fig. 2.

Fig. 5 is a fragmentary enlarged transverse sectional view taken on the line 5—5 of Fig. 2.

Fig. 6 is a fragmentary enlarged transverse vertical sectional view taken on the line 6—6 of Fig. 2.

Fig. 7 is an enlarged vertical sectional view taken on the line 7—7 of Fig. 1.

Fig. 8 is an elevational view of one of the brackets used in this device.

Fig. 9 is a similar view to Fig. 8, showing the clothes line arm in position.

Fig. 10 is a sectional view taken on the line 10—10 of Fig. 1.

The clothes line reel, according to this invention, includes a transverse tubular casing 25. A spring roller 26 is mounted within the casing 25. More particularly, the casing 25 is provided with removable ends caps 27. These caps are slipped upon the end of the tubular casing 25. Wooden cylinders 28 are engaged within the ends of the tubular casing 25. Fastening screws 29 engage through the skirt walls of the caps 27 and engage the cylinders 28 for fixedly holding these parts together. The spring roller 26 has the usual round stud 30 at one end which rotatively engages one of the cylinders 28 and has the usual flat bar 31 at the other end which is connected with the internal spring thereof in the usual way. The flat bar 31 is non-rotatively connected with the other cylinder 28.

A plurality of lines 32 are wound upon the spring roller 26 and project through an open side 33 formed in the casing 25. The edges of the open side 33 are bent outwards into flange portions 34. This slide 35 has window openings 36 through which the lines 32 pass. The lines 32 are connected transversely to each other within the casing 25, by a wire $32^a$, near the end of the lines, where they are joined to the roller 26, to prevent the lines from being disconnected from the spring roller under the strain.

The spring roller 26 is associated with means for locking it against rotation when this is desired. This means includes a plurality of pins 37 arranged concentrically of the spring roller 26, upon one of its ends. A latch 38 is pivotally mounted by a pintle 39 upon the adjacent cylinder 28. This latch 38 has a hook end 40 selectively engageable with the pins 37 for holding the spring roller 26 from turning. The latch 38 is provided with an upwardly projecting tail end 41 which passes out from a slot 42 formed in the casing 25.

A lock ring 43 is non-rotatively mounted on the casing 25 and is provided with a projecting lug 44 which may be engaged behind the tail portion 41 of the latch 39 for holding the latch in its latching position. The ring 43 has end portions 45 which engage into the side openings 33 of the casing 25 for holding the ring 43 non-rotative. However, the ring 43 may be slid longitudinally of the casing 25. As illustrated in Figs. 2 and 4 the projection 44 engages behind the tail end 41 holding the latch 38 closed. The ring 43 may be slipped longitudinally of the casing 26 so as to move the projection 44 free of the tail end 41. Then the tail end 41 may be moved for pivoting the latch 38 into an opening position in which the hook portion 40 is disengaged from the pins 37. Other suitable means for locking the spring roller may also be provided.

The outer ends of the line 32 are connected with a rod 47. The rod 47 and the casing 25 are each attached to a pair of lugs 43 through a hinge $48^a$ and slidably engaged within arms 49 and

secured at various set positions by screws 50 each passing through groove 51 formed in the lugs 48 and in groove 52 of the arms 49. Each arm 49 is provided with a hinged vertical leaf 53, adapted to slidably engage into a tapered socket 54 of a wall bracket 55. This arrangement permits the rod 47 and the casing 25 to be lifted and locked when the line is not being filled with wash.

The operation of the clothes line reel may be understood by first examining Fig. 1 and noting that the adjustable arms 48 and 49 are in their horizontal positions. In this position the tubular casing 25 and the rod 47 are in their lowered position. It is an easy matter to reach the lines 32 and to engage clothes on the lines. The lines are slightly slacked a sufficient amount so that the arms 48 and 49 may be moved to the vertical position, indicated by the dot and the dash lines in Fig. 1, in which position the casing 25 and the rod 47 are raised so that the lines 32 are elevated and in a taut position.

The lines 32 are locked, as desired, when the casing 25 is in its lowered or raised positions by engaging the latch 38 upon one of the pins 37 and slipping the projection 44 behind the tail 41 of the latch 38.

The adjustable arms 48 and 49 may be latched in their vertical position by moving them to their vertical position and engaging the hook-studs 57 through the slots 56 and then lowering the vertical leaf 53 into the tapered socket 54 which will hold the arms 48 and 49.

If desired, the screws 50 may be opened and the sections 48 and 49 may then be extended and retracted. When desired, the rod 47 may be disconnected from the lug 48 by pulling the plunger pin 47*a* outwardly, and the latch 38 may be opened and then the spring roller 26 will wind up the lines 32 until the rod 47 is in intimate contact with the side of the casing 25.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. In a clothes line reel, a bracket for attachment on a wall or other support and having a bottom socket, an arm having a hinged vertical leaf at one end engaging in said bottom socket and being movable upwards only to a vertical position, an adjustable lug mounted on and extended from said arm at the other end, a latch mounted on said bracket above said leaf for latching said arm in a vertical position, a hinged casing mounted transversely on the outer end of said adjustable lug, a spring roller rotatively mounted within said casing, lines wound on said spring roller and projecting from an opening in the side of said casing, and means for locking said spring roller against rotation.

2. In a clothes line reel, a bracket for attachment on a wall or other support and having a bottom socket, an arm having a hinged vertical leaf at one end engaging in said bottom socket and being movable upwards only to a vertical position, an adjustable lug mounted on and extended from said arm at the other end, a latch mounted on said bracket above said leaf for latching said arm in a vertical position, a hinged tubular casing mounted transversely on the outer end of said adjustable lug, a spring roller rotatively mounted within said casing, lines wound on said spring roller and projecting from an opening in the side of said casing, and means for locking said spring roller against rotation, said socket being formed by bending bottom side portions of said bracket forward.

3. In a clothes line reel, a bracket for attachment on a wall or other support and having a bottom socket, an arm having a hinged vertical leaf at one end engaging in said bottom socket and being movable upwards only to a vertical position, an adjustable lug mounted on and extended from said arm at the other end, a latch mounted on said bracket above said leaf for latching said arm in a vertical position, a hinged tubular casing mounted transversely on the outer end of said adjustable lug, a spring roller rotatively mounted within said casing, lines wound on said spring roller and projecting from an opening in the side of said casing, means for locking said spring roller against rotation, and means for holding said arm and lug in various extended and retracted positions.

4. In a clothes line reel, a bracket for attachment on a wall or other support and having a bottom socket, an arm having a hinged vertical leaf at one end engaging in said bottom socket and being movable upwards only to a vertical position, an adjustable lug mounted on and extended from said arm at the other end, a latch mounted on said bracket above said leaf for latching said arm in a vertical position, a hinged tubular casing mounted transversely on the outer end of said adjustable lug, a spring roller rotatively mounted within said casing, lines wound on said spring roller and projecting from an opening in the side of said casing, and means for locking said spring roller against rotation, said latch comprising a stud having an elongated head engageable through an elongated slot in said arm, and said latter stud being turnable.

5. In a clothes line reel, a bracket for attachment on a wall or other support and having a bottom socket, an arm having a hinged vertical leaf at one end engaging in said bottom socket and being movable upwards only to a vertical position, an adjustable lug mounted on and extended from said arm at the other end, a latch mounted on said bracket above said leaf for latching said arm in a vertical position, a hinged tubular casing mounted transversely on the outer end of said adjustable lug, a spring roller rotatively mounted within said casing, lines wound on said spring roller and projecting from an opening in the side of said casing, means for locking said spring roller against rotation, said tubular casing being provided with end caps, and cylinders within the ends of said casings.

6. In a clothes line reel, a bracket for attachment on a wall or other support and having a bottom socket, an arm having a hinged vertical leaf at one end engaging in said bottom socket and being movable upwards only to a vertical position, an adjustable lug mounted on and extended from said arm at the other end, a latch mounted on said bracket above said leaf for latching said arm in a vertical position, a hinged tubular casing mounted transversely on the outer end of said adjustable lug, a spring roller rotatively mounted within said casing, lines wound on said spring roller and projecting from an opening in the side of said casing, means for lock-

ing said spring roller against rotation, said tubular casing being provided with end caps, and cylinders within the ends of said spring roller being mounted upon said cylinders.

7. In a clothes line reel, a bracket for attachment on a wall or other support and having a bottom socket, an arm having a hinged vertical leaf at one end engaging in said bottom socket and being movable upwards only to a vertical position, an adjustable lug mounted on and extended from said arm at the other end, a latch mounted on said bracket above said leaf for latching said arm in a vertical position, a tubular casing mounted transversely on the outer end of said adjustable lug, a spring roller rotatively mounted within said casing, lines wound on said spring roller and projecting from an opening in the side of said casing, means for locking said spring roller against rotation, comprising a hook-like latch pivotally mounted and having a hook end and a projecting tail end, a plurality of pins mounted on said roller and engageable by the hook end of said latch, and means for engaging the tail end of said latch for holding the latch closed.

8. In a clothes line reel, a bracket for attachment on a wall or other support and having a bottom socket, an arm having a hinged vertical leaf at one end engaging in said bottom socket and being movable upwards only to a vertical position, an adjustable lug mounted on and extended from said arm at the other end, a latch mounted on said bracket above said leaf for latching said arm in a vertical position, a hinged tubular casing mounted transversely on the outer end of said adjustable lug, a spring roller rotatively mounted within said casing, lines wound on said spring roller and projecting from an opening in the side of said casing, means for locking said spring roller against rotation, comprising a hook-like latch pivotally mounted and having a hook end and a projecting tail end, a plurality of pins mounted on said roller and engageable by the hook end of said latch, and means for engaging the tail end of said latch for holding the latch closed, comprising a ring non-rotative upon said tubular casing and longitudinally slidable and having a projection engageable behind said tail portion.

9. In a clothes line reel, a bracket for attachment on a wall or other support and having a bottom socket, an arm having a hinged vertical leaf at one end engaging in said bottom socket and being movable upwards only to a vertical position, an adjustable lug mounted on and extended from said arm at the other end, a latch mounted on said bracket above said leaf for latching said arm in a vertical position, a hinged tubular casing mounted transversely on the outer end of said adjustable lug, a spring roller rotatively mounted within said casing, lines wound on said spring roller and projecting from an opening in the side of said casing, means for locking said spring roller against rotation, a rod connected with the outer ends of said lines, and means for detachably connecting said rod with a wall opposed to said wall.

JOSEPH BONDEL.