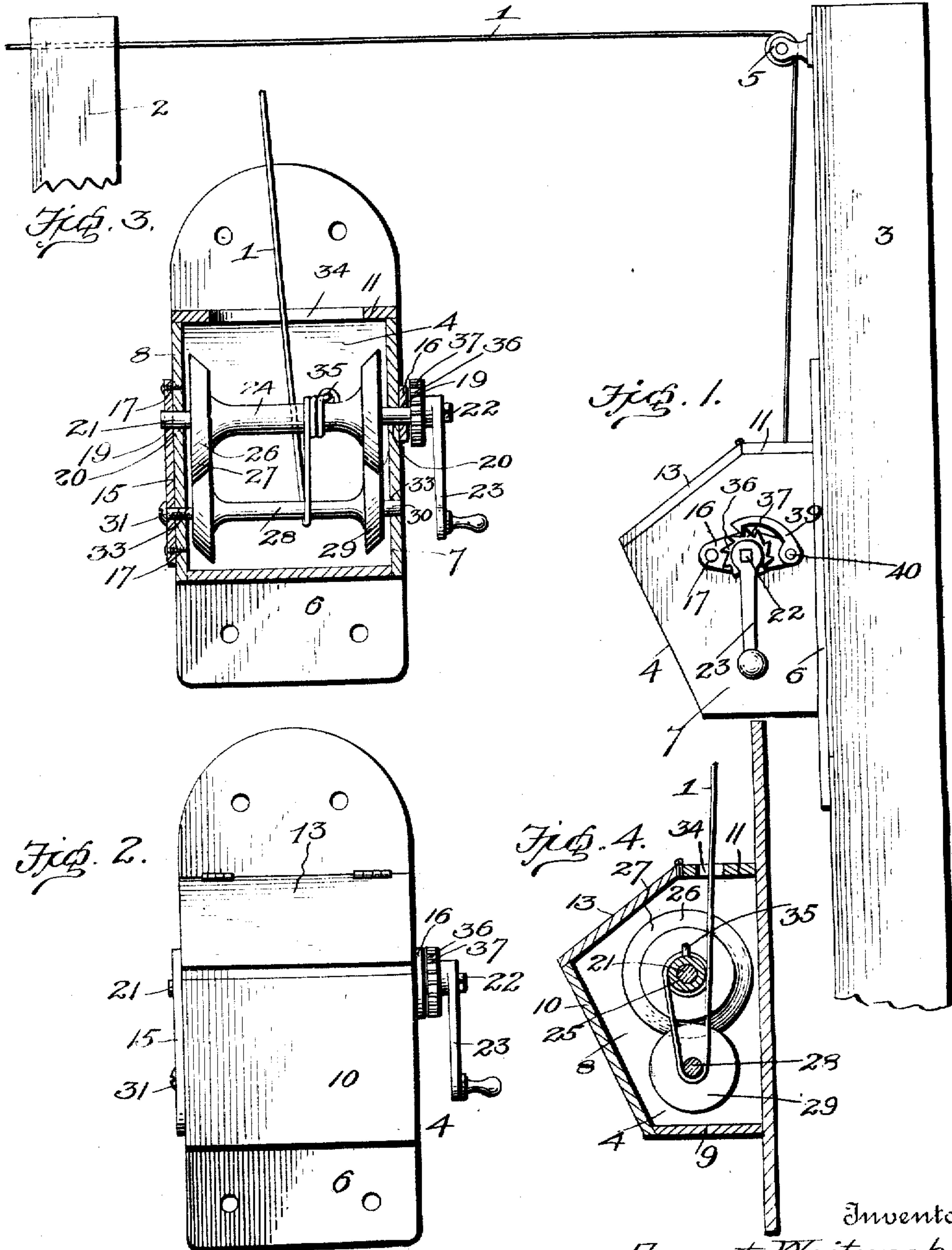


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CLOTHES LINE REEL.
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908,927.

Patented Jan. 5, 1909.



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UNITED STATES PATENT OFFICE.

AUGUST WOITYNEK, OF LA SALLE, ILLINOIS.

CLOTHES-LINE REEL.

No. 908,927.

Specification of Letters Patent.

Patented Jan. 5, 1909

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To all whom it may concern:

Be it known that I, AUGUST WOITYNEK, a citizen of the United States, residing at La Salle, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Clothes-Line Reels; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to attachments for clothes lines and has for its object to provide a receptacle in which a clothes line may be conveniently drawn after the same has been used.

Another object is to provide in a device of this kind convenient means for rolling the clothes line upon a reel, said reel being placed in and inclosed in a box whereby said reel is protected from the weather.

For these and still other objects which will appear as the description proceeds the invention consists of certain novel features, arrangements and combinations of parts of which the herein described attachment is one of many possible embodiments.

While herein the description refers to minute details of the invention, the invention is not limited to these as the details of construction and combination may be greatly varied without departing from the spirit and scope of the invention.

In the annexed drawings forming a part of this specification in which like reference characters refer to like parts throughout the several views and which are for illustrative purposes only and therefore not drawn to any particular scale, Figure 1 is a side elevation showing my device in use; Fig. 2 is a front elevation of the box; Fig. 3 is a transverse sectional view of the same and Fig. 4 is a vertical sectional view taken at right angles to the section of Fig. 3.

Referring more particularly to the drawings, my device is shown in connection with a clothes line 1 supported by posts 2 and 3. The box or casing 4 is shown as attached to the post 3 at a proper height above the ground for operation, the clothes line 1 passing over the pulley 5 and thence downwardly in the casing 4. The casing is suitably affixed to a base 6 and comprises side members 7 and 8, a bottom 9 and a front wall 10, and a slotted top 11 and lid 13, the lid being

hinged to the top, thus permitting easy access to the interior of the casing.

The side members 7 and 8 are provided with bearing plates 15 and 16 which are arranged on the outer faces of said members. The plates 15 and 16 are provided with screw holes 17 and these plates and side members 7 and 8 are provided with alined openings 19 and 20 to receive the axle 21 having a square end 22 to receive a crank 23. Mounted on the axle 21 is a reel 24 in the form of a spool having a central longitudinal bore 25 to receive the axle 21 and provided with end flanges 26 formed with inwardly beveled edges 27.

Revolubly mounted immediately beneath such reel is a guide roller 28 having end flanges provided with outwardly beveled edges 29 which run in frictional contact with the beveled edges 27 of the reel 24, one end of the roller being provided with a stub pin 30 and the other end thereof with a screw 31, said stub and screw being mounted in corresponding openings 33 in the side members 7 and 8 whereby the guide roller is held in convenient rotatable position. The clothes line 1 is passed downwardly through the slot 34 in the top of the casing and, after having been passed under the guide roller 28 and around the reel 24, is attached to the latter by a staple 35 or other equivalent means.

A ratchet wheel 36 is arranged upon the square end 22 of the reel axle and a pawl 39 pivotally mounted upon a pivot 40 in position to engage the teeth of the ratchet to prevent retrograde movement of the reel. In the operation of the device, after the clothes line has been used and it is desirable to store the same away, the free end of the clothes line is unattached and the crank 23 rotated, thus winding the line around the reel. After the line has been completely wound upon the reel, the casing 4 forms a suitable protection for the same against the elements.

To unwind the line from the reel, the pawl 39 is disengaged with the ratchet wheel 36 and the free end of the clothes line passed out to any convenient place to which it is attached when the pawl 39 is again engaged with the ratchet wheel to prevent retrograde movement of the reel.

It is to be particularly observed that during the operation of winding the rope upon the reel, it must first pass over the guide roller 28 and, as this roller rotates in a direc-

tion opposite to the direction in which the line passes, a slight tension will be created or exerted upon that portion of the line between the reel and guide roller with the result that the line will be caused to wind tightly upon the reel, which is very desirable as is well known.

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

10 In combination with a casing, a clothes line reel provided with beveled end flanges revolubly mounted therein, a guide roller for the clothes line to pass under before winding
15 upon the reel, mounted beneath the reel and having beveled end flanges to run in contact

with those of the reel whereby the guide roller is caused to rotate in a reverse direction to the reel and in a direction reverse to the direction in which the line passes during the operation of winding it upon the reel whereby a slight tension is exerted upon that portion of the line between the reel and guide roller to cause the line to tightly wind upon the former, and means for rotating the reel. 20 25

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

AUGUST WOITYNEK.

Witnesses:

JOSEPH FRANKEN,
AUGUST KOPKE.