Oct. 30, 1928. 1,689,695

J. STROMBACH

CLOTHESLINE REEL

Filed Jan. 10, 1925

Fig. 1

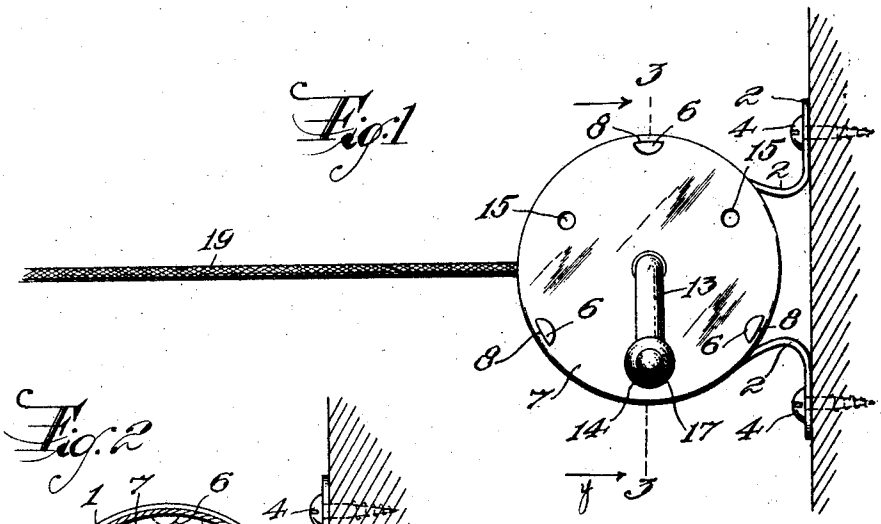


Fig. 2

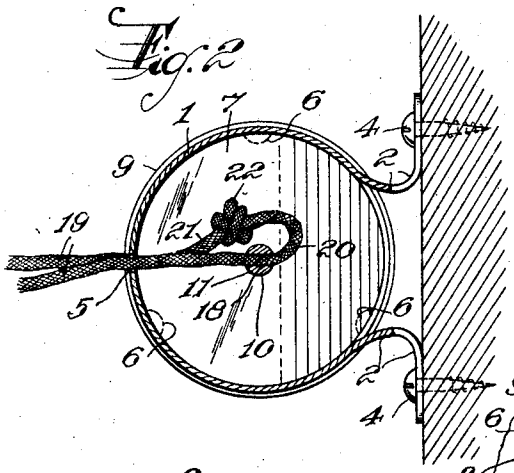


Fig. 3

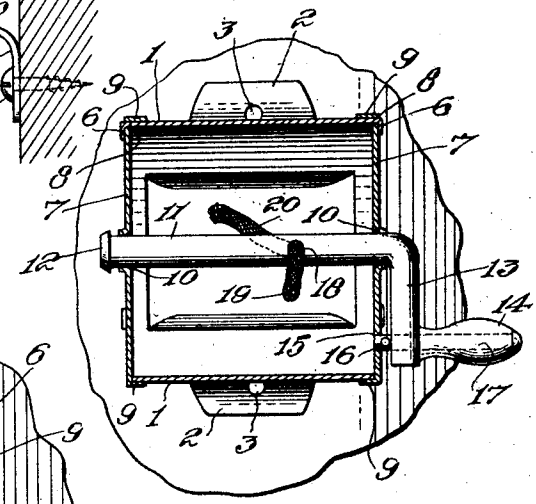
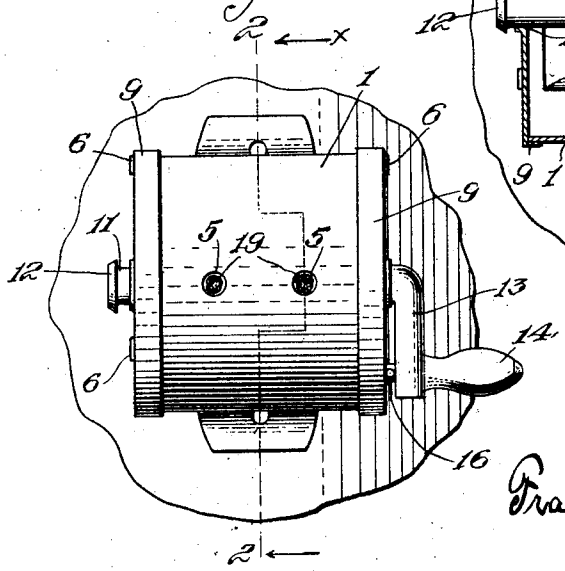


Fig. 4



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UNITED STATES PATENT OFFICE.

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CLOTHESLINE REEL.

Application filed January 10, 1925. Serial No. 1,553.

This invention relates, generally, to improvements in clothes-line reels; and, the present invention has reference, more particularly, to that class of clothes-line reels adapted for indoor use, with a view of providing the casing in which the line is adapted to be enclosed and the operating member connected with the spindle, upon which the line is to be wound, with means for variously maintaining a fixed or locked arrangement of the spindle and its operating member relative to the main casing or shell of the device.

The present invention, therefore, has for its principal object to provide a novel and simply constructed clothes-line reel, which is easily operated for winding a clothes-line upon a spindle, or for unwinding the line therefrom, and at the same time providing a readily and effectively operating means for maintaining a fixed or locked relation of the spindle to the main casing or shell of the device.

Other objects of the present invention not at this time more particularly enumerated will be fully understood from the following detailed description of the present invention.

With the various objects of the present invention in view, the said invention consists, primarily, in the novel clothes-line reel hereinafter set forth; and, the said invention consists, furthermore, in the novel arrangements and combinations of the various devices and parts, as well as in the details of the construction of the said parts, all of which will be more fully described in the following specification, and then finally embodied in the clauses of the claim, which are appended to and which form an essential part of the said specification.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a side elevation of a clothes-line reel, showing one embodiment of the principles of the present invention; Figure 2 is a vertical sectional representation of the same, said section being taken on line 2—2 in Figure 4; Figure 3 is a vertical section of the device, taken on line 3—3 in Figure 1; and Figure 4 is a front elevation of the clothes-line reel.

Similar characters of reference are employed in all of the said above described views, to indicate corresponding parts.

Referring now to the several figures of the drawings, the reference-character 1 indicates the main casing or shell of the device which is preferably made of metal and is of cylindrical conformation, the said casing or shell being suitably provided at its rear with ears or wings 2, which are perforated, as at 3, for reception of the fastening screws 4, or the like, by means of which the device is secured to the woodwork of a wall. At its front, the said casing or shell is provided with suitably disposed perforations 5, or other suitable opening, the purpose of which will presently be more fully described. At its open ends, the said casing or shell is provided with marginally disposed ears or lugs 6, which are inserted in correspondingly located slits 8 formed in the end-plates 7, and bent over against said plates for securing the said parts in assembled relation. The said end-plates may also be provided with annular flanges 9 adapted to be brought into embracing relation with the marginal edge-portions of the cylindrical casing or shell 1, as shown more particularly in Figure 3 of the drawings.

The said end-plates 7 are also provided with centrally disposed apertures 10 which provide suitable bearings for arrangement therein of a line-receiving spindle 11, as shown. At one end, this spindle is provided with a suitable enlargement 12, or the like, and at its other end it has a crank-member 13 and a handle 14 for operating the spindle and causing it to rotate in the bearings 10. As shown in said Figure 3, the spindle 11 is of such length that while it is rotatably mounted in said bearings 10, it is also capable of lateral movement for the purpose to be presently described. The end-plate 7 nearest the crank-member 13 is provided with one or more holes or perforations 15, into and out of which may be moved the lock-stud end 16 of the handle-pin 17, when lateral movement of the spindle is produced by an operator, and whereby the spindle may be locked in a fixed position, or may be rotated at the will of the operator, as will be evident.

The spindle 11 is also provided with a hole or perforation 18, preferably in alinement with one of the previously mentioned holes or perforations 5 in the front of the shell or casing 1, for passage therethrough of the end-portion 20 of a wash-line 19, the line having been passed through the holes or perforations 5, and its other end-portion 21 being tied, as at 22, to said end-portion 20 of the line, all

of which will be evident from an inspection of the several figures of the drawings.

In practice, that much of the wash-line, that may be desired, is drawn out from the shell or casing 1 and attached at various places in the laundry or other room where the clothes are to be suspended from the line for drying. By means of the crank of the spindle, the wash-line is then pulled taut by reeling upon the spindle, and when taut, the spindle is pushed in a lateral direction to bring the lock-stud end 16 of the handle-pin 17 into holding engagement with one of the said holes or perforations 15 in the end-plate 7 nearest the crank-member 13, thereby preventing any turning of the spindle, as will be evident. After the clothes have been removed from the line, the spindle is moved laterally in the opposite direction, so as to withdraw the lock-stud end 16 from said hole or perforation 15, to permit turning of the spindle by means of its crank, and to thereby fully wind the line upon that portion of the spindle within the said shell or casing 1.

Of course, I am aware that some changes may be made in the general arrangements and combinations of the various parts of the devices, as well as in the details of the construction of the parts of the same, without departing from the scope of the present invention as set forth in the foregoing specification. Hence, I do not limit my present invention to the exact arrangements and combinations of the various parts as described in the said specification, nor do I confine myself to the exact details of the construction of the said parts, as illustrated in the accompanying drawings.

I claim:—

A clothes-line reel, comprising a cylindrical shell and a pair of plates secured thereto and closing the opposite ends thereof, said shell having a pair of perforations through its wall and a pair of supporting ears at the side of the shell diametrically opposite said perforations, a spindle mounted for rotation in said plates and provided with a transversely extending perforation normally in alinement with one of the perforations in the shell, said spindle being of greater length than the shell and having its opposite ends extending beyond said end plates whereby the spindle is capable of axial movement in its bearings, a crank handle carried by the spindle at one end thereof, the end plate at that end being provided with a plurality of perforations, and a stud carried by said handle and adapted to engage one of said perforations when the spindle is moved axially thereby to prevent rotation of the spindle.

In testimony, that I claim the invention set forth above I have hereunto set my hand this 8th day of January, 1925.

JULIUS STROMBACH.