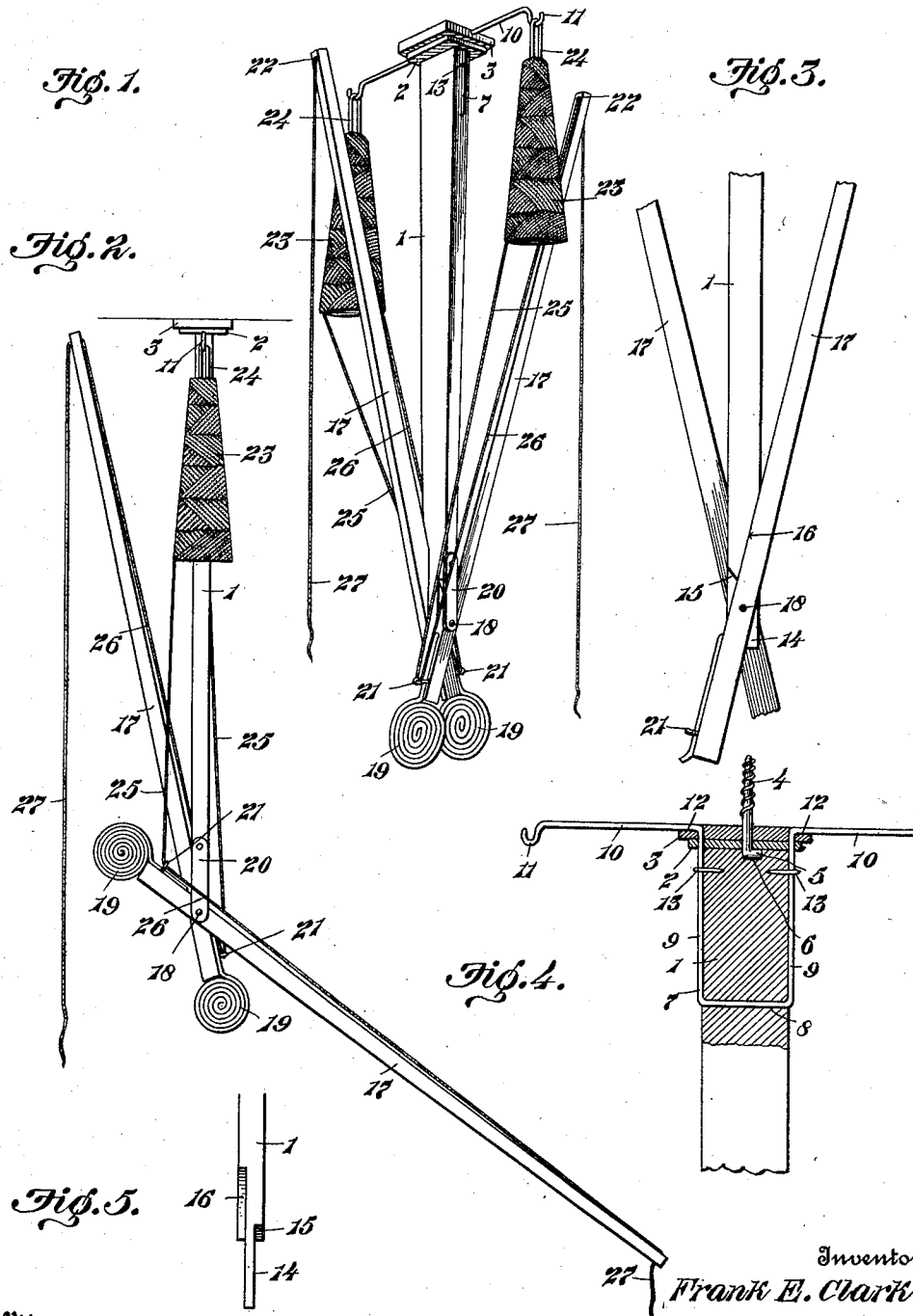


F. E. CLARK.
 TWINE HOLDER.
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1,004,994.

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Witnesses
 Irene Lutz
 J. H. Bishop.

By *Brd & Miller*

Attorneys

UNITED STATES PATENT OFFICE.

FRANK E. CLARK, OF CANTON, OHIO.

TWINE-HOLDER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANK E. CLARK, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented a new and useful Twine-Holder, of which the following is a specification.

My invention relates to improvements in twine holders of the type such as used in stores and the like where it is necessary to have a device for dispensing twine for wrapping packages; and the object of this invention is to provide a twine holder of that type in which suitable means is provided for supporting the twine and a take-up rod is provided, by means of which rod the twine is normally held out of the way of the person moving below the twine holder and the twine is permitted to be drawn downward as it is desired to use the same. These objects, together with other objects readily apparent to those skilled in the art, I attain by the construction illustrated in the accompanying drawings, although my invention may be embodied in a variety of other mechanical forms, the construction illustrated being chosen by way of example.

Figure 1 is a perspective view of my improved twine holder showing the same in normal position. Fig. 2 is a front elevation of the same showing one of the take-up rods in the position it assumes when twine is being dispensed by the device. Fig. 3 is a fragmentary view of the main supporting post and the take-up rods, with the metal bearing plate removed to show the shoulders in the supporting post. Fig. 4 is an enlarged fragmentary view partly in section of the upper end of the supporting post. Fig. 5 is a fragmentary view of the lower extremity of the main supporting post.

Similar numerals of reference indicate corresponding parts throughout the several figures.

The numeral 1 indicates the main supporting post which is preferably provided upon its upper end with the caps 2 and 3. A suitable means is provided for attaching the device to a ceiling or other support, such as the screw 4 which passes through the caps 2 and 3 and has its lower end 5 bent at a right angle and located within the socket 6 in the post 1, to prevent turning of said screw. A metal rod 7 is passed through the aperture

8 in the upper portion of the post 1, the ends of said rod are carried upwardly, parallel to the sides of the post 1, as at 9 through the caps 2 and 3 and are then bent outwardly at right angles to the post 1 and in a plane with the upper face of the cap 3 forming the arms 10, provided at their outer extremities with the hooks 11, as best shown in Fig. 4 of the drawings. Sockets 12 are formed in the upper cap 3 to accommodate said arms 10, and staples 13 are provided to bind the portions 9 of said rod tightly against the sides of the post 1.

The lower extremity of the supporting post is reduced at 14, and is provided upon either side with the short shoulder 15 and the relatively long shoulder 16, said shoulders forming stops for the take-up rods which will be hereinafter more fully described. The take-up rods 17 are pivoted at 18 to the reduced portion 14 of the post 1, and each of said rods is provided at a point near its lower extremity with a weight 19 preferably of the form shown. This weight is preferably made of a coil of heavy wire as shown in the drawings, one end of said coil being attached to the lower extremity of the take-up rod in any convenient and well known manner. The pivotal point 18 is preferably near the lower extremity of each rod 17. A bearing plate 20, preferably of metal, is provided upon either side of the post 1, and the outer ends of the pivot 18 are extended through said bearing plates and secured in any well known manner such as by riveting. An eye 21 is provided upon each of the take-up rods 17 at a point between the pivot 18 and the weight 19, and an aperture 22 is located near the upper extremity of each of said rods. A cone of twine 23 such as is ordinarily used in devices of this class is supported upon each hook 11 by means of the strap 24. The twine from each cone 23 is brought down as at 25 and threaded through the eye 21 and is then carried upwardly along the take-up rod 17 as at 26 and through the aperture 22 and the loose end 27 depends from the rod 17.

Throughout this specification the device has been described in duplicate but it will be understood that one single device of the character described will operate in the same manner. The device is preferably made in the form shown as by this construction it

permits two people to work in close proximity to each other and use the twine from the same twine holder.

The operation of the device is as follows:
 5 When it is desired to use twine from the twine holder the end 27 of the twine is grasped by the operator and given a downward pull which carries the take-up rod 17 downwardly into the position shown in Fig.
 10 2 of the drawings. The take-up rod is prevented from any further downward movement by coming in contact with the short shoulder 15 on the post 1. As a further pull is exerted the twine will be caused to un-
 15 wind from the cone 23 and will pass downwardly through the eye 21 and through the aperture 22. When the pull upon the twine is released the weight 19 will carry the take-up rod back into the normal position. When
 20 the pull upon the twine is released the weight 19 will bring or carry the take up rod 17 into its normal or elevated position thereby taking up the twine. For the purpose of stopping the take up rod before it
 25 reaches a true vertical position the main support or part 1 is provided with the inclined portion 16 located at the bottom or lower part of the post 1 and for the purpose of preventing the take up rod or bar
 30 17 from being drawn too far downward at its upper end the short inclined shoulder 15 is provided upon the bottom of the post. It will thus be seen that this device will be very
 35 useful and convenient for the purpose of keeping the free ends of wrapping twine in

an out of the way position and yet conveniently accessible when wanted, and when the free end of the twine is seized the needed quantity of twine may be readily pulled
 40 from the cone; as soon as the free end is released, the weighted end of the rod will over-balance the lighter end, and the free end of the twine will thus be elevated to an out of the way position above the counter.

It will readily be seen that the rod 7 is
 45 the only means necessary to bind the caps 2 and 3 to the supporting post 1, no nails, screws or other fastening means being necessary.

I claim:—

The herein described twine holder consisting of a post having pivotally connected thereto a twine take up rod, a cap located
 50 upon the upper end of the post, a screw extended through and beyond the cap, a rod 55 located through the post below the cap, said rod provided with portions located parallel with the faces of the post, said parallel portions extended through the cap and bent to
 60 produce outward extending arms, said outward extending arms provided with twine holding hooks, substantially as and for the purpose specified.

In testimony that I claim the above, I have hereunto subscribed my name in the
 65 presence of two witnesses.

FRANK E. CLARK.

Witnesses:

CHAS. D. KLING,
 F. W. BOND.