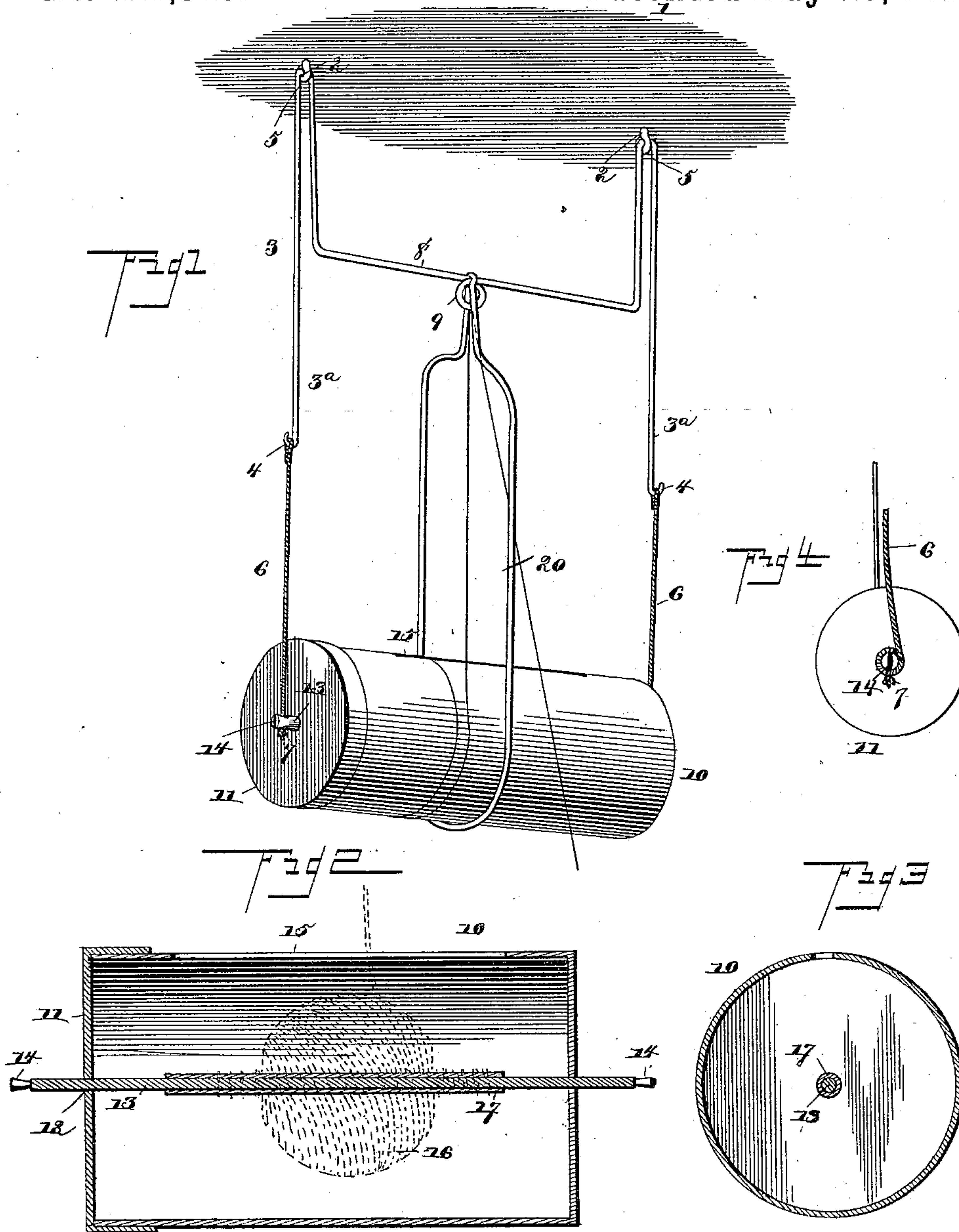


(No Model.)

A. D. HUNTLEY.
TWINE OR CORD HOLDER.

No. 428,340.

Patented May 20, 1890.



Witnesses:

John Irvine
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By his Attorneys,

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UNITED STATES PATENT OFFICE.

ABIEL D. HUNTLEY, OF PATTEN, MAINE.

TWINE OR CORD HOLDER.

SPECIFICATION forming part of Letters Patent No. 428,340, dated May 20, 1890.

Application filed August 31, 1889. Serial No. 322,605. (No model.)

To all whom it may concern:

Be it known that I, ABIEL D. HUNTLEY, a citizen of the United States, residing at Patten, in the county of Penobscot and State of Maine, have invented a new and useful Twine or Cord Holder, of which the following is a specification.

This invention has relation to twine or cord holders especially adapted for use in stores, and among the objects in view are to provide a twine-holder adapted to be suspended above the counter or other convenient point and so arranged as to deliver cord therefrom and to take up any slack or superabundance of cord or twine that may remain after the tying of the bundle, and to leave a sufficient length of cord within easy grasp of the user for a subsequent tying.

A further object of the invention is to provide a holder having the above characteristics and capabilities, and which at the same time shall be neat, simple, and inexpensive.

With these general objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a twine-holder constructed in accordance with my invention. Fig. 2 is a longitudinal section of the hollow twine-receiving cylinder, and Fig. 3 is a transverse section of the same. Fig. 4 is an end elevation of the drum, showing the supporting-cord partly wound on the spindle thereof.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents a ceiling or other suitable fixed support, into which at suitable distance apart are inserted a pair of screw-eyes 2.

3 represents the twine-receiving-drum suspension-bail, which is of an inverted-U shape, terminating in opposite depending arms 3^a, having hooks 4 at their lower extremities and at their upper portions formed with loops or eyes 5, removably engaging the screw-eyes 2. From the hooked ends 4 there depend opposite cords 6, in the lower ends of which are formed knots 7, and the U-shaped bail between its loops or eyes 5 is formed with a depending portion 8, at the center of which is formed an eye 9.

10 represents the cord or twine receiving

cylinder or drum, and the same is provided with a removable cover or end 11, having a central perforation 12, and in said cylinder there is secured from its opposite fixed head a centrally-located and longitudinally-disposed spindle 13, the free end of which projects through the central perforation in the removable cover of the drum and the opposite end through the fixed head thereof. The ends of the spindle are provided with transverse open slots or recesses 14, which receive the suspension-cords, and are maintained in connection through the medium of the knots in the ends of the cords, which cords, as will be apparent, may be removed from the recesses by simply drawing them laterally. In one side of the drum is formed a longitudinal slot 15, and within the drum is mounted the ball of cord or twine 16. To mount the ball of twine or cord, a sleeve 17 is inserted through the opening in the ball, and, if desired, a section of cord may be wound around the sleeve for the purpose of fitting the sleeve tightly within the ball. The sleeve is now mounted on the spindle of the drum, and upon the spindle the ball freely rotates, the loose terminal of the cord being projected through the longitudinal slot 15 and from thence through the guide-eye in the upper end of the suspension-bail, from which it depends within easy grasp of the user. Previous to passing the leading end of the cord or twine through the guide-eye said cord or twine is given several turns around the exterior of the drum.

20 represents a limiting-bail, made of wire, and being simply a loosely-suspended loop connected with the suspension-bail and of a length to loosely encircle the drum when at the lower ends of the suspension-cords. The office of this limiting-bail is to exert a slight friction on the drum just as it reaches its lowest position and prevent its inertia from partially winding the spindle again on the cords 6 in the opposite direction; also to prevent the drum being drawn up high enough to wind its spindle past the hooks 4 and disengage the cords 6 therefrom.

By the above construction it will be apparent that in drawing the cord down for the purpose of tying a bundle, by reason of the cord being passed around the drum, said drum will be rotated and brought to the upper end

of the limiting loop or bail, and in so doing will wind the suspension-cords around the projecting ends of its spindle and unwind the several turns which the binding-cord is given around the drum. Any amount of cord may now be withdrawn directly from the ball in the drum, and when a sufficient quantity has been withdrawn and severed the free end of the cord is released and the drum will retrograde and fall to the lower end of the limiting-bail, thus drawing upon and elevating the depending end of the cord to within a convenient height for future grasping and use and rewinding the same amount thereof around itself as was previously unwound. By this arrangement a long end of cord dangling upon the counter is avoided, and too much cord cannot ordinarily be drawn or unwound, as the surplus is taken up in the downward movement of the drum.

It is apparent that the device may be so proportioned as to adapt it for spun yarn, large or small rope, and any-sized cord or twine.

Having described my invention, what I claim is—

1. In a twine-holder, the ball-holding drum 10, having an opening 15 in one side, the spindle 13, secured in and projecting through one fixed end of said drum, and means, substantially as described, for supporting said drum from the ends of the spindle, in combination with the removable end piece 11, forming a cover for the open end of the drum and having a central bearing for said spindle, as and for the purpose set forth.

2. In a twine-holder, the ball-holding drum 10, having an opening in its side, the removable end piece 11, forming a cover for the open end of the drum and having a central aperture, and the spindle 13, secured in the fixed end, extending through the aperture in the removable end and projecting beyond both ends of the drum, in combination with supporting-cords 6, detachably connected to said projecting ends, as and for the purpose set forth.

3. In a twine-holder, the drum 10 and the spindle 13 therethrough, said spindle having notches 14 in its ends, in combination with the supporting-cords 6, engaging said notches and removable therefrom, and knots 7 in said cords below said spindle, substantially as described.

4. In a twine-holder, the combination, with the drum having a spindle, the supporting-cords connected with and adapted to be wound on the ends of said spindle, and the frame supporting said cords, of the limiting-bail carried by said frame and loosely engaging said drum between its ends, the lower end of said bail contacting with the lower face of the drum when the supporting-cords are distended, as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ABIEL D. HUNTLEY.

Witnesses:

HOWARD L. COBURN,
CALVIN BRADFORD.