

No. 674,433.

Patented May 21, 1901.

J. T. BUNTING, SR.
TWINE HOLDER AND TAKE-UP.

(Application filed July 8, 1899. Renewed Sept. 29, 1900.)

(No Model.)

Fig. 1.

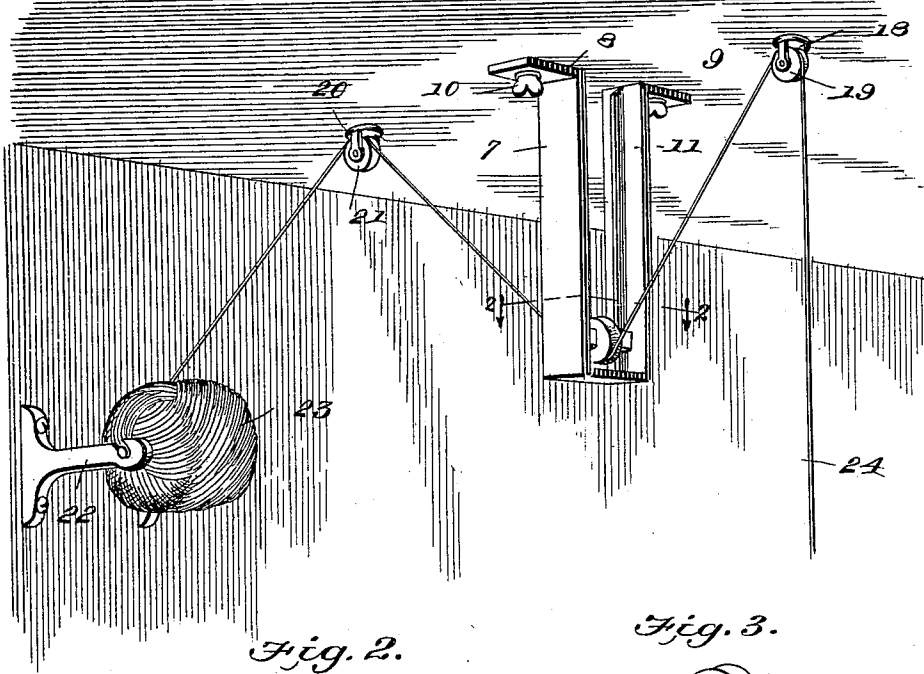


Fig. 2.

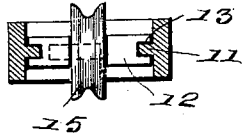
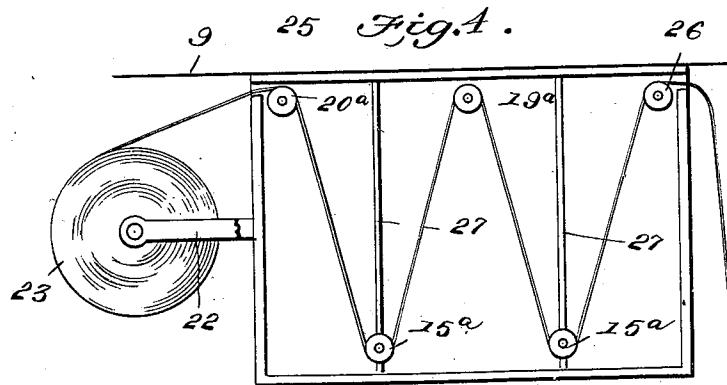
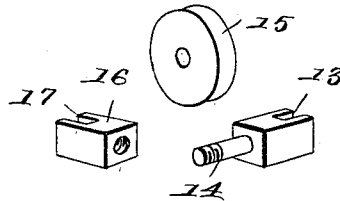


Fig. 3.



Witnesses

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JOHN T. BUNTING, SR., OF CHICAGO, ILLINOIS.

TWINE HOLDER AND TAKE-UP.

SPECIFICATION forming part of Letters Patent No. 674,433, dated May 21, 1901.

Application filed July 8, 1899. Renewed September 29, 1900. Serial No. 31,534. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. BUNTING, SR., a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Twine Holder and Take-Up, of which the following is a specification.

My invention relates to twine-holders, and more particularly to that class of twine-holders in which the ball is held in a receptacle secured to or suspended from the ceiling-wall or other support above the height of the counter or the point where the twine is used. As is well known by those who may have had occasion to observe the action of such holders more twine is usually pulled off or unwound from the ball than is required for use, leaving a loose end to lie upon the counter and get soiled or tangled, thus occasioning trouble, annoyance, and waste.

The object of my invention is to provide an improved twine-holder in which this difficulty is entirely obviated and the loose twine always pulled up out of the way after cutting or breaking the twine.

With this object in view my invention consists in the improved construction, arrangement, and combination of parts hereinafter fully described and afterward specifically pointed out in the appended claims.

In order to enable others skilled in the art to which my invention most nearly appertains to make and use the same, I will now proceed to describe its construction and operation, reference being had to the accompanying drawings, forming part hereof, in which—

Figure 1 is a perspective view illustrating a twine-holder constructed in accordance with my invention set up in position for practical operation. Fig. 2 is a detail sectional view on the broken line 22 of Fig. 1 looking downward, as indicated by the arrows. Fig. 3 is a detail perspective view of the parts of the weight-pulley detached. Fig. 4 is a view in side elevation of a modified form of holder, one side of the casing being removed and one side of the ball-supporting bracket broken away.

Like numerals of reference indicate the same parts wherever they appear in the several figures of the drawings.

Referring to the drawings, and more par-

ticularly to Figs. 1, 2, and 3, 7 indicates a frame or open casing having horizontal flanges 8 at its upper end secured to the ceiling 9 or other overhead support by thumb-screws 10. Within the vertical parallel sides of the casing are vertical ribs 11, extending from top to bottom of the frame.

12 indicates a block provided with a groove 13 in one end and a pin 14 projecting from the other, the outer portion of the length of the pin being threaded. A grooved pulley 15 is slipped upon the pin 14 and rotatably secured thereon by a block 16, threaded on pin 14, said block being provided with a groove 17 in its outer face. With the grooves 13 and 17 in the same line diametrically of the pulley they are slipped over the ribs 11 before securing the casing to the ceiling, and the pulley is thus slidably and rotatably mounted.

In front of the casing 7 a bracket 18, carrying a grooved pulley 19, and in the rear of the casing a bracket 20, carrying a grooved pulley 21, are secured to the same support as the frame.

Secured to the side wall or other convenient support is a bracket 22, supporting a ball 23 of cord or twine. The twine is passed over pulley 21, under pulley 15, and over pulley 19, leaving an exposed end 24 to be grasped for drawing any desired quantity off the ball. When the end 24 is drawn down, the pulley 15 will be slid upward in the frame, and when the end is released the surplus twine will be taken up by the dropping of the pulley.

It may be deemed advisable to entirely inclose the casing, as shown at 25 in Fig. 4, and for some purposes the sliding pulleys may be duplicated, as at 15^a 15^b in the same figure. In this case an extra guide-pulley 26 will be necessary, and an extra pair of guide-ribs upon which to slide the pulley must be provided, as shown at 27 in said Fig. 4. It is also illustrated in that figure that the bracket 22, supporting the ball 23, may be secured to the casing.

While I have illustrated and described what I consider to be the best means now known to me for carrying out my invention, I do not wish to be understood as restricting myself to the exact forms of constructions shown, as many slight changes therein or variations

therefrom might suggest themselves to the ordinary mechanic, all of which would be clearly included within the limit and scope of my invention.

5 Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a twine-holder, a pulley-weight comprising a block having a groove in one end, 10 a trunnion extending laterally from the other end provided with screw-threads on its extreme outer end, a second block provided with a groove in one end and a screw-threaded socket in its other end, and a pulley jour- 15 naled on said trunnion between the blocks, substantially as described.

2. In a twine-holder the combination with two overhead pulleys, a frame having parallel sides, vertical guides secured inside the frame and a twine-ball support, of a pulley- 20 weight comprising a block having a groove in one end, a trunnion extending laterally from the other end provided with screw-threads on its extreme outer end, a second block provided with a groove in one end and a screw- 25 threaded socket in the other end and a pulley journaled on said trunnion between the blocks.

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Witnesses:

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