

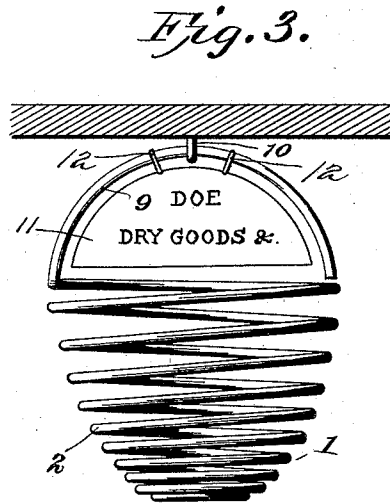
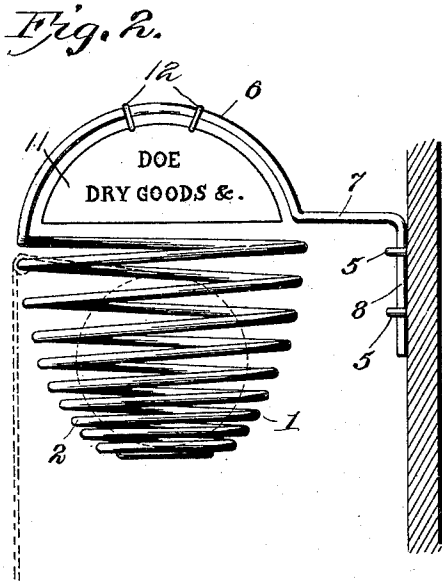
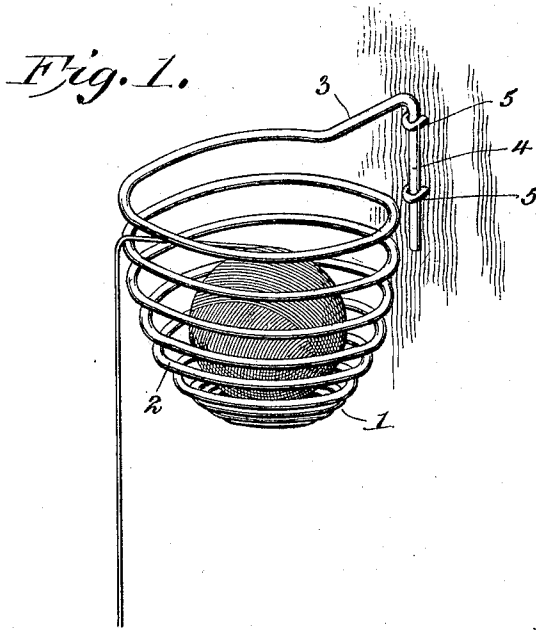
No. 643,229.

Patented Feb. 13, 1900.

W. P. MICHAEL.
TWINE HOLDER.

(Application filed Nov. 3, 1899.)

(No Model.)



Witnesses

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By his Attorneys,

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UNITED STATES PATENT OFFICE.

WILLIAM P. MICHAEL, OF WEST PLAINS, MISSOURI, ASSIGNOR OF ONE-HALF TO HERMAN SCHOTT, OF BATESVILLE, ARKANSAS.

TWINE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 643,229, dated February 13, 1900.

Application filed November 3, 1899. Serial No. 735,691. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM P. MICHAEL, a citizen of the United States, residing at West Plains, in the county of Howell and State of Missouri, have invented a new and useful Twine-Holder, of which the following is a specification.

This invention relates to twine-holders of that class which are adapted to be employed in stores or other similar places where wrapping-twine is extensively used, and has for its object to provide a device of this character having a superior construction and arrangement of parts for conveniently supporting a ball of twine and retaining the free end in constant position for use and at all times take up any unnecessary slack in the twine, the latter when fed from the holder being adapted to move automatically downwardly and compensate for the reduction of the ball.

Other objects and advantages will appear in the subjoined description and the novelty will be clearly set forth in the appended claims, embodiments of the invention being illustrated in the accompanying drawings and susceptible of changes in the proportions, size, form, and minor details within the purview of the claims, and in which—

Figure 1 is a perspective view of a twine-holder embodying the invention and showing a ball of twine in position therein. Fig. 2 is a side elevation of a slightly-different form of the holder. Fig. 3 is a view similar to Fig. 2, showing a still further change in the arrangement of parts.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates the improved holder, which is intended to be of any form and made of wire, either round, square, flat, or fluted, which is bent to provide a basket or receptacle which serves as the holder. The preferred form of the holder is shown in the drawings, and comprises a series of coils 2, of round wire, which gradually enlarge from a lower diminished extent toward the top in spiral form, the coils at the bottom being closely arranged, and the upper extremity of the wire is bent or shaped to provide a hanger for the entire holder.

In the form of the device shown by Fig. 1 the upper extremity of the wire is extended beyond the holder in the form of an arm 3, which is horizontally disposed and continuous with a depending leg 4, adapted to loosely or rigidly engage staples, screw-eyes, or analogous fastenings 5, which in this instance are shown secured in a side support.

In Fig. 2 the upper extremity of the wire of which the basket is formed is bent into an arch 6, which extends diametrically across the upper part of said basket from the outer portion toward the inner part of the same and connects with an arm 7, continued into a leg 8, similar to the arm 3 and the leg 4 shown by Fig. 1. The leg 8 is also adapted to be loosely or rigidly held by fastenings 5, similar to those shown by Fig. 1, or other analogous devices, against the side support, and it will be observed that the hanger in Fig. 1 merges into the upper portion of the holder or basket at an inner point on the latter and that in Fig. 2 the said hanger starts from an outer point of the upper portion of the said holder or basket. The arms 3 and 7 of the two devices shown by Figs. 1 and 2 can be lengthened to any extent to throw the holder or basket outwardly from its support any desired distance, and when the legs 4 and 8 are loosely mounted in their fastenings 5 the holder may be swung to either side of the vertical line of said fastening. In Fig. 3 the holder or basket has a similar body construction and is provided with a curved or arched hanger 9, extending thereover in a diametrical line and movably held by a fastening 10 to a ceiling or other overhead support.

It is preferred that the wire of which the holder is composed will have a natural or inherent resiliency, and therefore will yield slightly when the twine is drawn thereover, and owing to the open form of the holder or basket the congregation of dust or dirt therein is prevented. Structurally the holder or basket has many superior advantages over other devices of this class, particularly in the cheapness of manufacture, as it can be formed of a single piece of wire, as shown, wherein one extremity is located in the bottom of the body and the other continued above the body into a hanger.

When the ball of twine is dropped in the holder, the free end remains in the hand. Then still holding the end of the twine pass the hand around the holder about twice, permitting the end to drop and fall within convenient reaching distance of a counter or other wrapping-rest. This arrangement is clearly shown by Fig. 1, and as the twine is used and the ball diminishes in size the part of the twine which passes out from the holder will follow the coils regularly in accordance with the reduction of the said ball toward the bottom of the holder. As shown by Fig. 2 in dotted lines, it may be desired at times to give an increased tension to the twine, and for this purpose it may be looped around the part of the coil over which it passes in the initial arrangement. In this latter adjustment of the twine the looped portion will likewise follow the inclination of the coils as the ball of twine diminishes, and it will also be seen that the hanger in all the forms shown is clear at one point, at least, of the upper coil a sufficient distance to permit the outwardly-drawn portion to be wound therearound in starting the feed.

The ball of twine can be easily placed in the holder without operating cumbersome connections or threading the twine through openings, and the holder is self-adjustable relatively to the pull exerted thereon in drawing the twine therefrom. The wire used in manufacturing the holder may be of any suitable material adapted for the purpose, either non-corrosive or otherwise, and can be plated to render the same pleasing in appearance. As shown by Figs. 2 and 3, the arch 6 and hanger 9 are supplied with segmental guards 11, suspended by loops or other devices 12. The lower edges of the said guards stand closely

over the upper open part of the holder to prevent the ball of twine from jumping out and may be turned to one side when replenishing the holder. These guards are also adapted to have suitable advertising inscriptions thereon. The simplicity and cheapness of the improved device, together with the many advantages accruing from its use, will make it a valuable acquisition to the art.

Having thus described the invention, what is claimed as new is—

1. As an improved article of manufacture, a twine-holder having a body with a lower reduced extremity and formed of continuous bends of wire terminating in an upper hanger.

2. As an improved article of manufacture, a twine-holder having a series of spirally-arranged coils gradually diverging from a reduced bottom toward the top and terminating in an upper hanger.

3. As an improved article of manufacture, a twine-holder having a body made up of a series of spiral coils with openings between them, said coils gradually increasing in dimension from a reduced bottom coil toward the upper portion of the holder and terminating in a hanger.

4. The combination with a twine-holder, of a depending guard loosely mounted thereover and adapted to retain a ball of twine in place in the holder, the said guard being movably attached at its upper portion.

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

WILLIAM P. MICHAEL.

Witnesses:

J. RICH,
M. JACOBS.