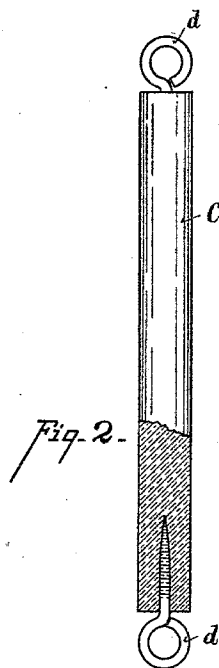
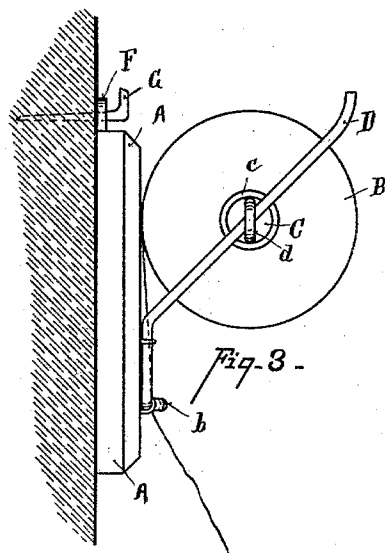
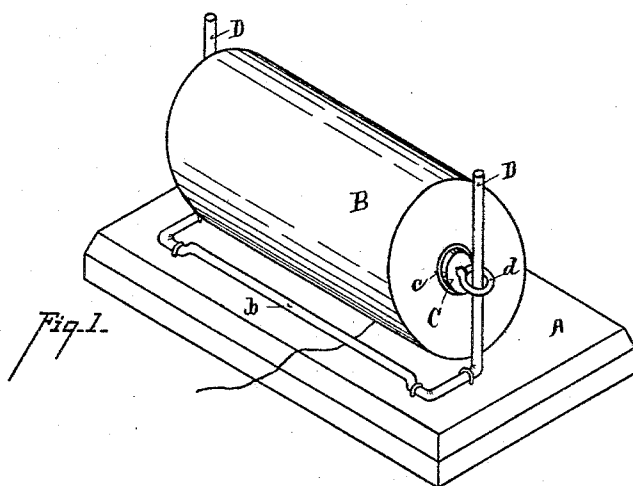


(No Model.)

B. W. PUTNAM & J. J. HOOKER.
TWINE HOLDER.

No. 546,187

Patented Sept. 10, 1895.



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN W. PUTNAM AND JAMES J. HOOKER, OF CINCINNATI, OHIO.

TWINE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 546,187, dated September 10, 1895.

Application filed January 5, 1895. Serial No. 533,963. (No model.)

To all whom it may concern:

Be it known that we, BENJAMIN W. PUTNAM and JAMES J. HOOKER, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Twine-Holders, of which the following is a specification.

Our invention relates to an improved twine-holder.

One of the objects of the invention is to provide means for holding a roll of twine upon a stand which can be either set upon a counter or hung up, as desired.

Another object of our invention is to employ the weight of the twine-roll upon the free end of the twine in such a manner that the weight forms a frictional resistance against the unwinding of the twine.

Another object of our invention is to provide ready means for attaching and detaching the roll of twine from the twine-holder.

The features of our invention will be more fully set forth in the description of the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of our invention in position for use. Fig. 2 is a plan view of the axis of the roll. Fig. 3 is a modified form of twine-holder adapted to be suspended.

A represents the base or stand of the twine-holder.

B represents the roll of twine which is wound upon a sleeve c. By winding the twine diagonally and transversely across the sleeve no spool is required to prevent the twine from slipping off the end of the roll.

C represents a detachable axle adapted to slide freely into the sleeve c. Each end is provided with an eye d, preferably formed of wire and driven or screwed into the end of said axle.

D represents upright arms, over which the eyes of the axle C engage to hold the roll in position on the stand. In the preferred form of construction these arms are connected together by a bail or yoke b, which is elevated in the central portion thereof along the base a sufficient distance to allow the twine in un-

winding to traverse the opening formed between the bail and stand. If instead of this elongated opening we should employ an eye, the strain on the twine necessary to unwind it would be too great unless the roll be allowed to move laterally on its axis. The twine must be necessarily wound transversely in order to dispense with the ends of the spools, which would prevent the roll from coming into frictional contact with the base and keep this contact by the weight of the roll as it grows smaller by unwinding.

In the modification shown in Fig. 3, the arms D are placed at an inclination to the plane of the base, so that the twine-holder may be suspended by means of the eye F engaging with the nail or hook G.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. In a twine holder, the combination of a base, of two arms carried thereby and formed with an intermediate elevated bail b forming a raceway for the free end of the twine, a roll of twine wound upon a hollow sleeve, and an axis detachably fitted within said sleeve and provided with eyes at each end loosely fitting over the arms, substantially as described.

2. In combination with the base of a twine holder, supporting arms D rigidly secured thereto, an axis loosely and detachably secured to said arms and free to rise and fall thereon, a roll of twine transversely wound upon a sleeve detachably supported upon said axis and having its periphery in contact with the base, an elevated race-way b forming a delivery space for the free end of the twine which is relatively movable longitudinally to the bail as the twine roll revolves under the strain imparted in unwinding, substantially as described.

In testimony whereof we have hereunto set our hands.

BENJAMIN W. PUTNAM.
JAMES J. HOOKER.

Witnesses:

WILL R. WOOD,
C. W. MILES.