C. E. LAYMAN.

TWINE HOLDER.

APPLICATION FILED DEC. 30, 1909.

957,568. **Patented May 10, 1910.**

Fig. 1

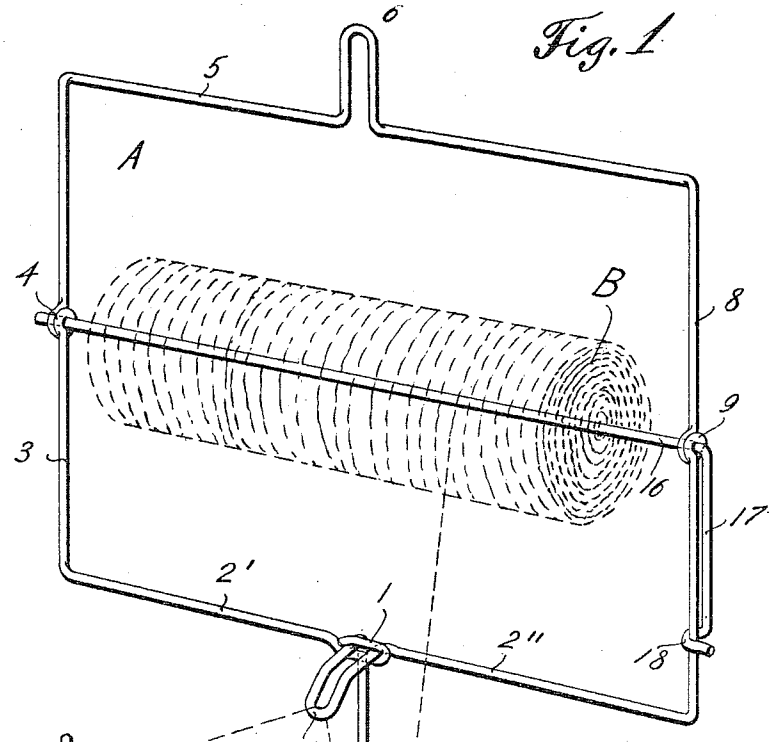
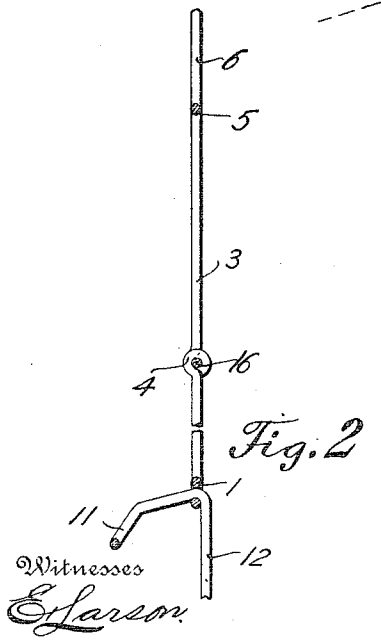
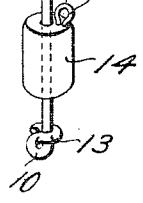


Fig. 2





Witnesses

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UNITED STATES PATENT OFFICE.

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TWINE-HOLDER.

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To all whom it may concern:

Be it known that I, CLIFFORD E. LAYMAN, a citizen of the United States, residing at Keene, in the county of Coshocton and State of Ohio, have invented certain new and useful Improvements in Twine-Holders, of which the following is a specification.

This invention relates to twine holders and is designed particularly to simplify devices of this character, and at the same time decrease the cost of manufacture. Its objects are to supply a secure and substantial means for supporting twine, means for taking up the slack twine, and also to construct a twine holder of approximately one continuous piece of wire.

With the above and other objects in view, this invention consists of the construction, combination and arrangement of parts all as hereinafter more fully described, claimed and illustrated in the accompanying drawings, wherein:

Figure 1 is a perspective view of a device constructed in accordance with the present invention, illustrating the manner in which the twine is supported and delivered, and Fig. 2 is a section of the same.

This invention resides in the construction of a rectangular frame, having a supporting loop bent upwardly from the upper side thereof, two coinciding coils formed on the vertical side, through which extends the supporting rod of the twine, a downwardly extending rod on the lower horizontal side having a take-up weight reciprocating thereon, and a guide loop formed adjacent said rod adapted to cause the free end of the twine to entirely clear the roll thereof.

The device forming the main body portion of the present invention comprises a rectangular frame A formed of one continuous piece of wire, said wire being provided at one terminal with the elongated loop 1. The wire is then bent at right angles to the portion 2′ that is approximately one-half of the lower horizontal side thereof, and carries the elongated loop 1 forming the vertical side 3, in which is also formed mid-way of its height the coil 4. The upper horizontal side 5 is then constructed and provided with the upwardly extending loop 6 which supplies a means whereby the entire frame is supported. The opposite vertical side 8 is formed similarly to the vertical side 3, having arranged therein the coil 9, the opening of which is adapted to register with the opening of the coil 4. The lower horizontal side is then completed by having the remaining half thereof 2″ and the free end of the wire forming the frame bent through the loop 1. The free end of the wire is then bent upon itself and passed through the loop 1 to be projected downwardly in the same vertical plane as the frame A, forming the outwardly projecting loop 11, which loop forms a means of entirely clearing the free extremity of the twine of the roll B after the same has passed over the take-up weight. The loop 11 is curved downwardly slightly, and consequently retains the elongated loop or eye 1 thereon and forms a substantial and secure means of connecting the extremities of the frame. The downwardly projecting portion of the wire forming the frame forms a rod 12 upon which reciprocates the take-up weight 14, said take-up weight being provided with an eye 15 and being retained upon the rod by the knot 10 formed in the lower extremity thereof.

A supporting rod 16 is received in the coinciding coils 4 and 9 and is retained therein by a spring catch formed at one extremity thereof, said spring catch being adapted to engage the lower portion of the vertical side 8. To form this spring catch, the rod 16 is bent downwardly at one extremity forming the rod 17 at the lower extremity of which is formed the hook 18, said hook being adapted to engage the lower portion of the vertical side 8 from the interior of the frame, thus preventing any outward movement of the rod 16 and consequently securely supporting the twine thereon.

In operation the twine is placed upon the supporting rod 16 after the same has passed through the coil 9, the free end of the rod then being inserted in the coil 4 and being retained therein by the catch hook 18 engaging the vertical side 8. The twine is then conducted from the roll B to and through the eye 15 after which it passes through the loop 11 and thence to the consumer. Thus it will be seen that the cord or twine extending to the consumer is in no way interfered with by the roll B and that all slack or the like is taken up by the weight 14.

Having thus fully described my invention, what is claimed as new is:

1. An article of manufacture comprising a wire frame having a pair of coinciding coils in the vertical sides thereof, a support-

ing loop formed in the upper horizontal side, a guide loop in the lower horizontal side, a downwardly extending rod adjacent said guide loop, and a supporting rod detachably carried in said coils.

2. An article of manufacture of the class described comprising a rectangular frame formed of one continuous section of wire, a pair of coinciding coils formed in the vertical sides thereof, and a twine supporting rod adapted to be inserted in said coils, having one extremity thereof bent at right angles to the main body portion, said bent portion provided with a hook at its outer terminal, said hook adapted to engage one of the vertical sides from the interior and retain said supporting rod detachably in said coil.

3. A device of the class described comprising a continuous section of spring wire having an elongated loop at one extremity thereof, a rectangular frame formed by the free end of said wire having a pair of coinciding loops in the vertical sides thereof, a supporting loop in the upper horizontal side thereof and the elongated eye located midway of the lower side, the free end of the frame being passed through said eye and bent upon itself through said eye and extending downwardly forming a rod, a take-up weight reciprocating on said rod, and means for rotatably supporting a roll of twine in said frame.

In testimony whereof I affix my signature in presence of two witnesses.

CLIFFORD E. LAYMAN.

Witnesses:
FRANK E. KARR,
MABEL PORTER.