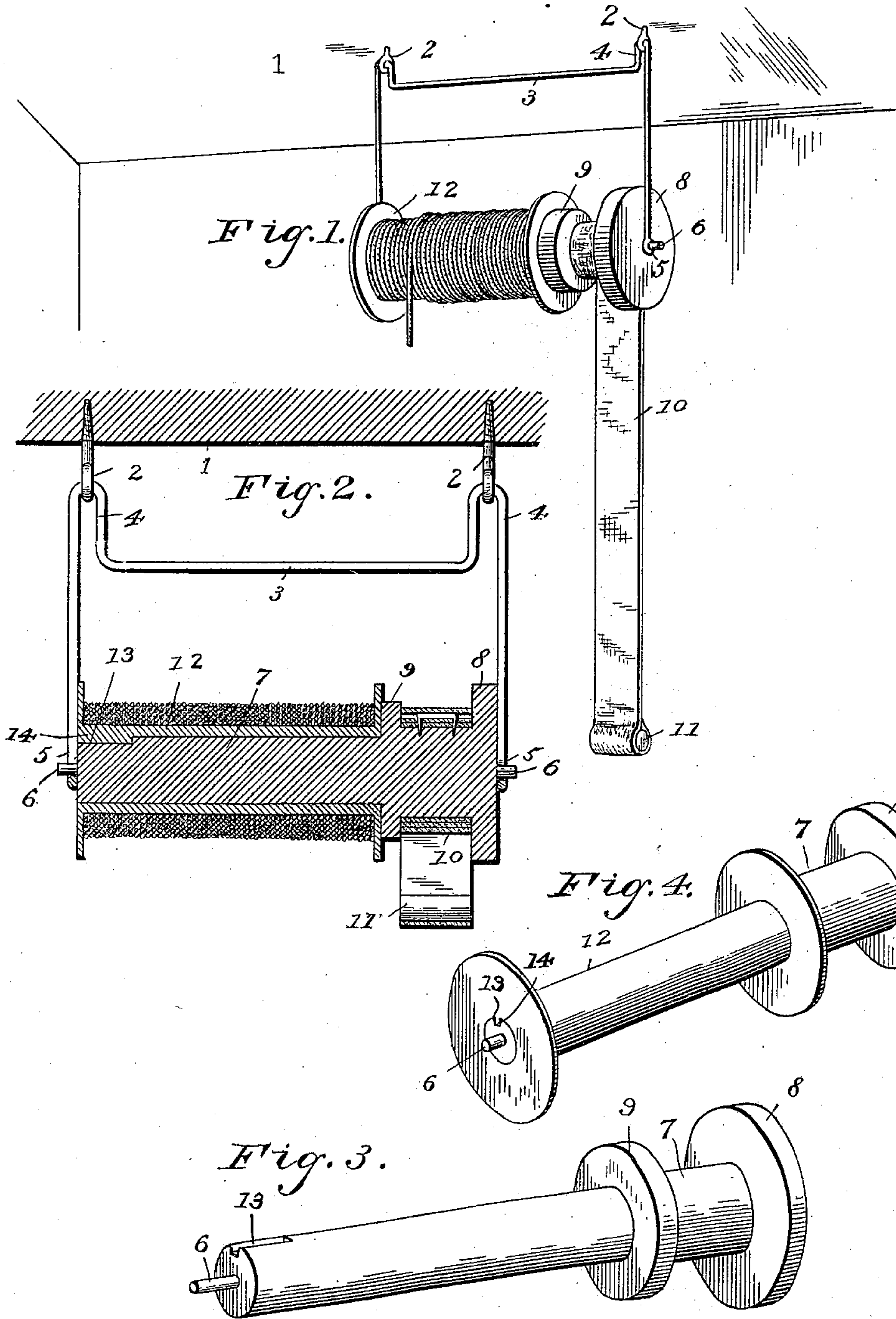


(No Model.)

O. PRIEGEL.
TWINE HOLDER.

No. 552,200.

Patented Dec. 31, 1895.



Inventor

Otto Priegel,

Witnesses

Julius Ulke, Jr. By his Attorneys,
J. B. O'Connor.

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

OTTO PRIEGEL, OF LINEVILLE, IOWA.

TWINE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 552,200, dated December 31, 1895.

Application filed May 5, 1894. Serial No. 510,197. (No model.)

To all whom it may concern:

Be it known that I, OTTO PRIEGEL, a citizen of the United States, residing at Lineville, in the county of Wayne and State of Iowa, have
5 invented a new and useful Twine-Holder, of which the following is a specification.

My invention relates to twine reels or holders, and has for its object to provide a simple, inexpensive, and efficient device adapted to
10 take up the loose end of twine after a piece desired for immediate use has been detached, in order to prevent the loose end from hanging in the way of the salesman.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claim.
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In the drawings, Figure 1 is a perspective view of a reel constructed in accordance with my invention. Fig. 2 is a longitudinal section of the same, enlarged. Fig. 3 is a detail view, in perspective, of the drum and core. Fig. 4
20 is a similar view showing the spool mounted upon the core.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.
25

The improved reel consists of a core 7, upon one end of which is arranged a drum bounded
30 at opposite sides by the flanges 8 and 9, and in the construction illustrated said drum is formed integral with the core. The core and drum are suspended in operative position by means of a swinging hanger 3, having parallel
35 side arms terminating at their lower ends in bearing-eyes 5, a transversely-disposed central portion, and loops 4 connecting the central portion with the arms. The upper ends of the loops are engaged with eyes 2, adapted
40 to be secured to a ceiling 1 or similar support. The core and drum are provided with terminal trunnions 6, mounted in the bearing-eyes and adapted to be inserted by swinging the arms of the hanger outwardly.

Fitted upon the core is a removable spool
45 12, upon which is wound the cord or twine, said spool being held in place upon the core by means of the spring action of the arms of the hanger. The outer end of the spool is

flush with the outer extremity of the core, 50 whereby the arm of the hanger bears against the former and prevents displacement. In order to communicate rotary motion from the spool to the core when twine is being unreeling, the spool is provided with a web 14 to engage
55 a notch or groove 13 in the core.

Secured to the drum, between the flanges 8 and 9 thereof and equal in width to the interval between said flanges, is a strap or web 10, terminating at its lower end in a weight, and
60 in operation the strap or web is wound on the drum by the unreeling of the twine, and when the desired portion or section of the twine has been severed and the loose end is released the weighted strap or web causes rotation of the
65 spool in the opposite direction or in the direction of winding the twine, whereby the loose end is wound upon the spool and thereby elevated out of the way.

From the above description it will be seen 70 that the device is simple and may be manufactured at a small cost. The hanger is constructed of a single blank of wire, and the spring action of its arms holds the bearing-eyes in engagement with the trunnions and at
75 the same time holds the spool in place on the core. The object in depressing the central portion of the hanger between the bearing-loops 4 is to strengthen said loops and prevent the upward bowing of the intermediate por-
80 tion of the hanger due to the downward strain upon the hanger in unreeling the twine.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit 85 or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

In a twine holder, the combination with a 90 core provided at one end with a drum and having terminal trunnions, a weighted strap reeled upon the drum, and a spool removably fitted upon the core and having a web to engage a groove in the core to prevent inde-
95 pendent rotation, of a swinging hanger for supporting the core, said hanger having parallel pendent spring arms terminating in bear-

ing eyes 5 for the reception of said trunnions, the inward tendency of the spring arms holding said eyes in engagement with the trunnions and preventing the accidental longitudinal movement of the spool upon the core, substantially as specified.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in the presence of two witnesses.

OTTO PRIEGEL.

Witnesses:

G. W. DICKSON,
S. P. GANN.