No. 629,018. Patented July 18, 1899.

N. R. STREETER.

TWINE HOLDER.

(Application filed Jan. 8, 1898.)

(No Model.)

Fig. 3.

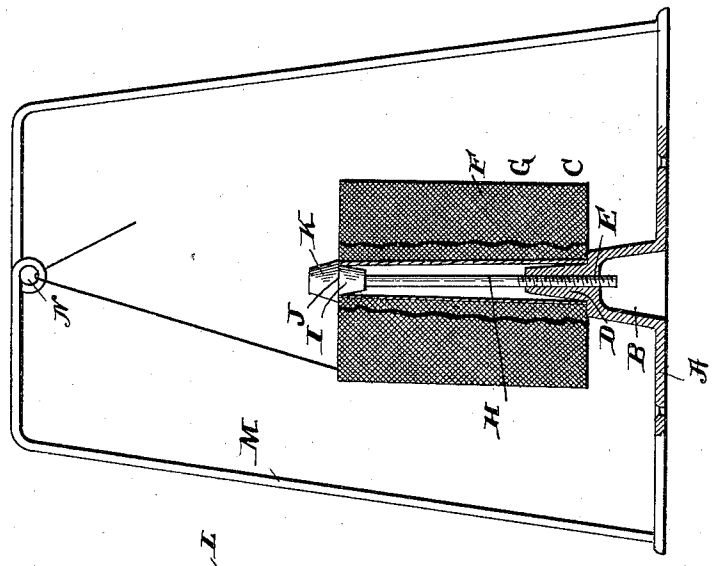


Fig. 2.

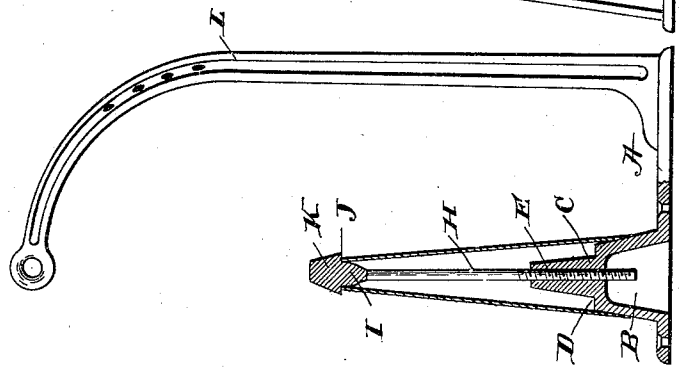
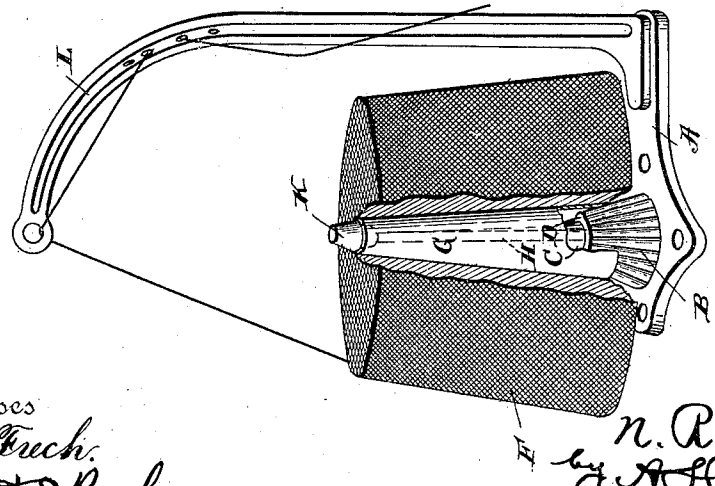


Fig. 1.



Witnesses
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UNITED STATES PATENT OFFICE.

NELSON R. STREETER, OF GROTON, NEW YORK.

TWINE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 629,018, dated July 18, 1899.

Application filed January 8, 1898. Serial No. 666,049. (No model.)

To all whom it may concern:

Be it known that I, NELSON R. STREETER, of Groton, in the county of Tompkins and State of New York, have invented certain new and useful Improvements in Twine-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

This invention pertains to twine-holders, and has for its object the provision of a simple and durable device for holding any size or style of reels, tubes, or cone-twine in a most substantial manner.

The invention consists in the novel features of construction hereinafter fully described and claimed, and illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of the holder with a cone of twine in position thereon, shown partly in section. Fig. 2 is an elevation of the holder with the twine removed, showing the holding-spindle and cone in section. Fig. 3 illustrates a holder of modified form.

A is the base of the holder, having upon its upper side the integral ribbed cone B, from which extends the spindle C, of reduced diameter. The upper end of the cone B forms a shoulder D, which constitutes the base of spindle C, as shown. The cone B and spindle C are formed with the central screw-threaded aperture E.

In Fig. 1, F is the twine wound upon the cone-shaped core G, which is positioned by being forced down tightly over the ribbed or corrugated cone B, which holds the same firmly in position and prevents rotation of the twine, while for holding the same from vertical displacement I provide the rod H, which is extended down through the cone G and screw-threaded at its lower end in order to be adjustable vertically in the aperture E. Upon the upper end of this rod is the centering-cone I, which fits the upper end of the core, thus holding the latter in proper longitudinal position, while the extremity of the said centering-cone is finished above the shoulder J, which bears upon the upper extremity of the core, into a suitable turning-knob K. Thus the package of twine is securely clamped in position, from which it cannot become displaced no matter whether the holder is secured in an upright position upon the counter or suspended from the ceiling or secured to the wall. The only detachable part is the adjustable rod for securing the cone from longitudinal displacement, and this part is not of such a nature as is liable to become lost or out of order. The twine is passed upward through the overhanging arm L of the frame A, and from thence it may be carried through perforations formed in said arm for the purpose of preventing too free movement of the twine to the place where it is desired for use, the same moving freely from the package as it is pulled upon.

Fig. 3 shows a holder of exactly the same construction as above described, with the exception that the wire guiding-frame M is raised above the twine and twisted or kinked, as at N, immediately in line with the holding-spindle and corrugated cone for the purpose of forming a guide for the twine. In the above construction the holding-cone B is positioned centrally upon the base, as indicated, instead of at one end thereof, as in the form first described, in order to form proper mountings for the wire frame.

By means of the cone and corrugated holder B my improved device is adapted to accommodate cones of twine of different sizes, the same wedging down firmly upon said holder, while when reels or spools of twine having tubular cores are used the spindle D serves as a centering device and the shoulder J, formed by the upper end of the holder B, a convenient support therefor. Thus my improved twine-holder is adapted for holding packages of twine regardless of the shape thereof or the shape of the cores upon which they are wound.

I do not desire to limit myself to the specific details of construction here shown, as it is apparent that they may be varied in many particulars without avoiding the spirit of my invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a twine-holder the combination of the base A, the hollow cone B raised thereon, the

centrally-apertured and screw-threaded spindle C raised from cone B, the cone G, and the twine-holding rod H screw-threaded and adjustable longitudinally in spindle C and through cone B but terminating in its adjustment short of the base of said cone, whereby ample room for the adjustment of the rod is afforded, substantially as shown and described.

2. The combination of the integral base A, ribbed hollow cone B and spindle C arranged in line in the sequence stated, the rod H adjustable longitudinally in the hollow cone B and through spindle C, the cone G, and the knob K and centering-cone I carried by the upper end of the rod, substantially as shown and described.

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

NELSON R. STREETER.

Witnesses:
W. D. GALE,
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