Jan. 10, 1928.

1,655,561

G. H. POHLE

TWINE DISPENSER

Filed Feb. 8, 1927

Fig. 3.

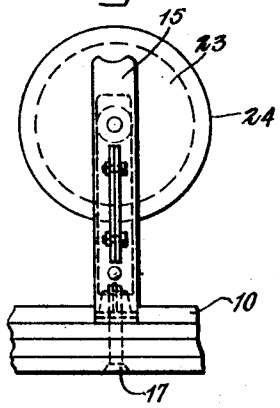


Fig. 2.

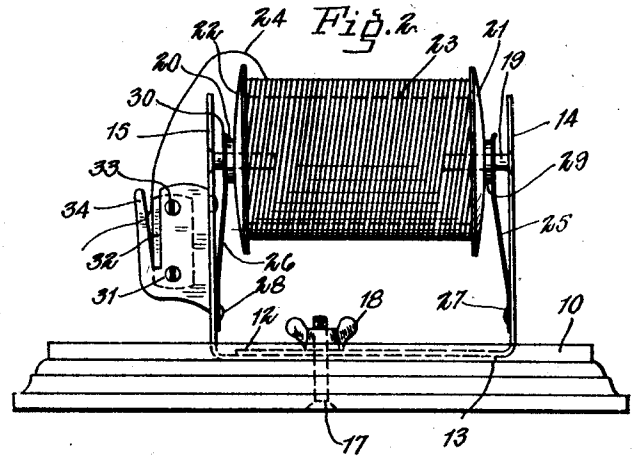
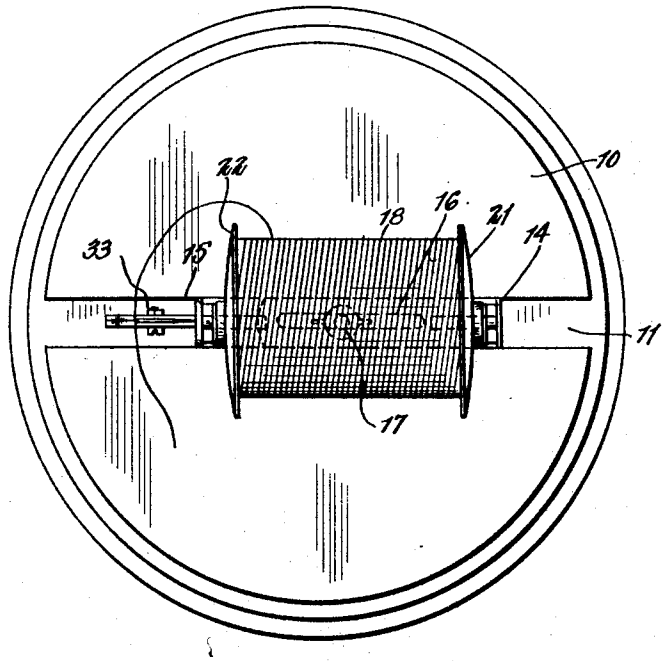


Fig. 1.



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UNITED STATES PATENT OFFICE.

GEORGE H. POHLE, OF BROOKLYN, NEW YORK.

TWINE DISPENSER.

Application filed February 8, 1927. Serial No. 166,697.

This invention relates to improvements in holders for twine, thread, tape, or the like, and more particularly to a twine-dispenser or analogous apparatus, and it is the principal object of my invention to provide an apparatus or device of this character allowing a freely unwinding of the twine or thread etc. from its spool, and an adjustment of the spool holder to the length of the spool.

Another object of my invention is the provision of a twine dispenser of this type equipped with means for resiliently guiding and holding the spool in its holder.

A further object of the invention is the provision of a twine dispenser of this type of a simple and therefore inexpensive construction, yet durable and efficient in its operation.

A still further object of my invention is the provision of a twine dispenser having combined therewith a cutter for the twine, thread or tape etc. of a novel and improved type.

These and other objects and advantages of my invention will become more fully known as the description thereof proceeds, and will then be more specifically defined in the appended claim.

In the accompanying drawing, forming a material part of this disclosure:

Fig. 1 is a top plan view of an apparatus constructed according to my invention.

Fig. 2 is a side elevation thereof, and

Fig. 3 is an end view of the device.

As illustrated on the drawing, my novel and improved twine dispenser, holder and cutter comprises a base 10, preferably circular and made of wood, however it will be clear that the base may also be made in any other shape or form and from any material suitable for the purpose. This base 10 has a diagonally disposed depression or groove 11 in its upper face in which the lower, horizontally disposed shanks 12 and 13 of uprights 14, 15 are movably arranged in superposition and angularly bent from said uprights, each having a longitudinal slot 16 formed therein. These shanks are adapted to be clamped together and locked in their respective relative adjusted positions by means of a bolt 17 set into the base and carrying at its upper threaded end projecting above the slotted upper member or shank 12, a wing nut 18 or the like allowing a clamping of the holder shanks firmly in any of their relative adjusted positions.

Two horizontally disposed stub shafts 19 and 20 respectively are projecting in opposite directions from the inner faces of the uprights 14, 15 in the neighborhood of their upper ends.

These stub shafts are adapted to pass with their ends through centrally located openings in the curved or convex-concave end plates 21, 22 of a drum or spool, generally designated 23 upon which the twine, thread, yarn, tape or the like is wound in the usual well known manner, as indicated at 24.

A pair of bent leaf springs 25, 26 are attached at their lower ends to the inner faces of the uprights 14, 15, as at 27, 28, and then gradually spaced therefrom with the spaces increasing in size to their upper ends where they carry or are equipped with openings through which the stub shafts pass and engage at all times the sockets 29, 30 on the plates 21, 22 in order to keep the spool at all times in a central position in the holder to avoid a binding of the spool in the holder and at all times securing a free movement of the same around its shafts.

To the outer face of support or upright 15 a holder 31 for a blade 32 is attached in which the blade is firmly held by means of the screws 33 or the like so that the outer edge of the blade projects into a space formed by the outer edge of the holder and an upwardly directed arm or tongue 34 integrally made with the holder at its lower end and curving from the same towards its upper end.

It will be understood that I have described and shown the preferred form of my device as an example of the many ways in which the same may be practically constructed, and that such changes as come within the scope of the appended claim may be made in the general arrangement of my apparatus and in the construction of the minor details thereof without departure from the spirit of my invention and the principle involved.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

A spool holder comprising a circular base having a diagonally arranged groove in its top, two uprights on said base, lower angularly bent flanges integral with said uprights superposed in opposite directions in the groove of said base and having longitudinal slots formed therein, a pin set in the base engaging in and passing through the slots

in said flanges, a wing nut at the upper end of said pin for locking the flanges in their relative adjusted positions to allow a regulation of the distance between the uprights to accommodate the same to the size of the spool, a pair of stub shafts extending in opposite directions from the inner faces of the uprights near their upper ends, a spool, convex-concave end plates for said spool centrally located sockets in said plates, said plates and sockets adapted, for the reception of said stub shafts, a pair of bent substantially vertical leaf springs secured to the inner faces of said uprights at their lower ends and spaced therefrom having upper perforations through which said stub shafts pass, said springs adapted to resiliently center the spool between the uprights and securing a ready operation of the thread.

Signed at New York in the county of New York and State of New York this 17th day of January, A. D. 1927.

GEORGE H. POHLE.