

No. 778,494.

PATENTED DEC. 27, 1904.

M. B. KREEGER.
SPOOL HOLDER.

APPLICATION FILED OCT. 11, 1904.

Fig. 1.

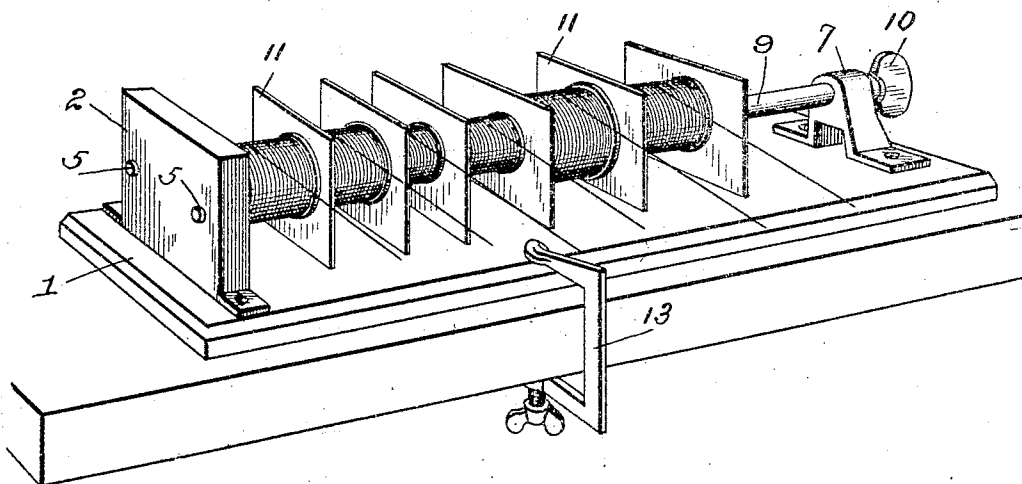


Fig. 2.

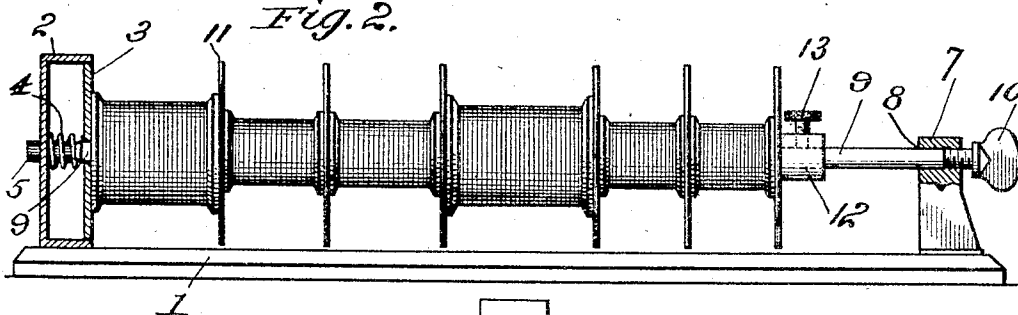
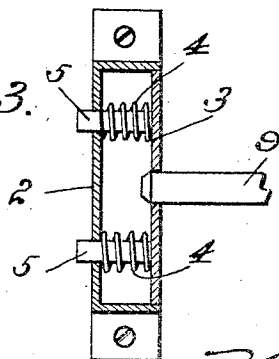


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

MAURICE B. KREEGER, OF NEW ORLEANS, LOUISIANA.

SPOOL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 778,494, dated December 27, 1904.

Application filed October 11, 1904. Serial No. 228,006.

To all whom it may concern:

Be it known that I, MAURICE B. KREEGER, a citizen of the United States, residing at New Orleans, parish of Orleans, State of Louisiana, have invented certain new and useful Improvements in Spool-Holders, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a perspective view of the device; and Fig. 2 a side elevation, partly in section.

One of the many objects of the invention is to provide a simple and practical holder for spools of thread which is adapted for use in work-rooms where a large amount of thread and thread of different colors and quality are used.

Other objects and advantages will appear hereinafter.

The purpose of the invention is to provide simple means for holding a number of spools of thread under a tension to prevent the too free unwinding of the thread and at the same time hold the spools in a convenient position, so that the desired thread may be picked up at any time and readily unrolled from the spool.

The use of this invention will prevent the loss of the spools and the interchanging of spools or borrowing of thread by employees.

To the accomplishment of these objects and such others as may hereinafter appear, the invention consists of the parts and combination of parts hereinafter fully described, and particularly pointed out in the appended claims.

Referring to the various parts by numerals, 1 designates the base of the device, at the left-hand end of which is secured a transverse upright rectangular case 2. The inner side of this case is closed by a plate 3, which is held in its outer position by means of springs 4, interposed between the plate and the outer side of the casing. This pressure-plate fits snugly within the case and is adapted to be moved inward against the springs. Secured to this plate are horizontal pins 5, which extend through the permanent side of the case 2 and support and guide the plate. These

pins extend through the springs and serve as a support for them. Secured to the base at the right-hand end thereof is a standard 7, which is formed with a horizontal aperture 8, adapted to receive one end of a supporting-rod 9. The other end of this rod is slightly tapered and fits in an aperture in the center of the plate 3. Threaded in the other end of the aperture in the standard 7 is a set-screw 10, whose inner end is adapted to bear against the end of the supporting-rod to force the same inward against the pressure-plate.

The spools of thread are loosely placed on the supporting-rod, and between the ends of adjoining spools are placed rectangular separating or division plates 11, the plates being of such size that their horizontal edges are quite close to the upper surface of the base-plate. The spool at one end of the supporting-rod—the left-hand end as shown in the drawings—bears directly on the pressure-plate, and the division-plate at the other end of the rod—that is, adjoining the adjusting-screw—is provided with a boss 12 and a set-screw 13. When the spools are properly placed on the supporting-rod with division-plates between them and the rod is supported in its bearings, the outer division-plate is adjusted against the adjoining spool and is secured to the supporting-rod by its set-screw in such a position on the rod as to hold the spool at the other end against the pressure-plate. To secure the desired tension on the spools to prevent the too free unwinding of the cotton, the pressure-screw 10 may be adjusted inward until the desired tension is secured.

To secure the device in position on a table or work-bench, the clamp 13 may be used.

It will be readily understood from the foregoing that the device is simple, convenient, and practical.

It will be apparent to those skilled in the art that various mechanical embodiments of the invention are possible, and therefore I do not wish to be limited to the exact arrangement and construction shown.

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

1. A spool-holder comprising a longitudi-

nally-movable supporting-rod adapted to support the spools, a spring pressure-plate to support one end of said rod and against which the end spool is adapted to bear, non-rotatable division-plates adapted to be placed on said rod between the adjoining ends of the spools, an adjustable plate on the rod provided with means for securing said plate to the rod to hold the spools and division-plates in contact with each other, and means for longitudinally adjusting the supporting-rod to cause one end spool to bear against the pressure-plate.

2. A spool-holder comprising a base-plate, an upright casing at one end thereof, a standard at the other end, a pressure-plate mounted in the casing, a spring in the casing and

arranged to force the pressure-plate outward, a supporting-rod mounted in the standard and in the pressure-plate, a screw mounted in the standard and adapted to move the supporting-rod longitudinally, a series of division-plates having their lower edges arranged to contact with the base to prevent said plates rotating on the rod, means for adjustably securing one of said plates to the rod.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 5th day of October, 1904.

MAURICE B. KREEGER.

Witnesses:

GEO. LIBERMAN,
EDW. G. SMITH.