

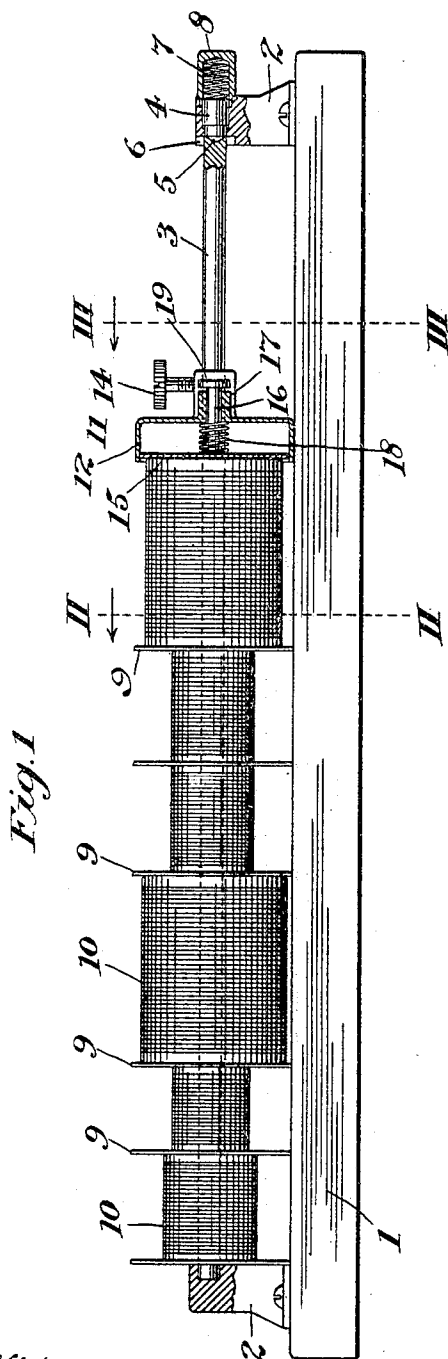
No. 801,530.

PATENTED OCT. 10, 1905.

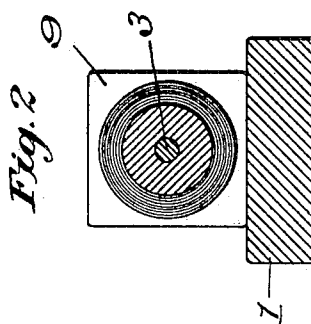
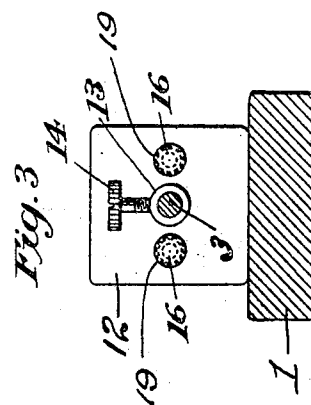
M. B. KREEGER.

SPOOL HOLDER.

APPLICATION FILED JULY 8, 1905.



Witnesses:
Chas. R. King
Emily J. Baughman



Inventor:
Maurice B. Kreger
 by *Davis & Davis*
 Attys.

UNITED STATES PATENT OFFICE.

MAURICE B. KREEGER, OF NEW ORLEANS, LOUISIANA.

SPOOL-HOLDER.

No. 801,530.

Specification of Letters Patent.

Patented Oct. 10, 1905.

Application filed July 6, 1905. Serial No. 268,388.

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, and 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—

10 Figure 1 is a side elevation of the holder, partly in section, the centering device at the right-hand end of the supporting-rod being shown in the central longitudinal section and the tension device being shown in section on a vertical plane passing through one of the rods supporting the tension-plate; Fig. 2, a transverse vertical sectional view on the line II II of Fig. 1, and Fig. 3 a similar view on the line III III of Fig. 1.

20 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.

30 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.

40 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, 45 1 designates the base of the device, on which are secured at each end thereof upright bearings 2. Mounted in these bearings is a long horizontal supporting-rod 3. In the right-hand support 2 is mounted a spring-pressed centering-point 4, whose tapered end is adapted to fit into the recessed end of the rod 3. The support is slotted vertically, as shown at 6 in Fig. 1, to permit the recessed end of the rod 3 to be slid down into engagement with 55 the centering-point, the walls of said slot serv-

ing to center the rod and to direct it into engagement with the projecting end of the pin 4. The centering-point is held yieldingly in engagement with the supporting-rod by a coil-spring 7, which is mounted in a cap 8, secured to the support 2.

It will be readily understood that the supporting-rod may be disconnected from the centering-pin by a sharp upward pull thereon and may be readily caused to engage said pin 65 by forcing it downward in the slot 6. The left-hand end of the supporting-rod rests loosely in a recess in the support 2 at the left-hand end of the pin.

Mounted on the supporting-rod are rectangular division-plates 9, said plates being of such size that their lower edges are close to the upper surface of the base and are adapted to contact therewith, so that said base prevents the rotation of the plates on the rod. 70 These plates are loosely mounted on the rod and may be adjusted therealong to any desired position. Between these plates the spools 10 of thread are placed. To hold the spools and plates in contact with each other, 80 a yieldable tension device 11 is mounted on the supporting-rod. This tension device consists of the rectangular casing 12, provided at one side with a tubular enlargement 13, through which the supporting-rod extends, a set-screw 14 being mounted in said enlargement and adapted to engage the supporting-rod to hold it in its adjusted position. The forward face of the tension device is formed of a tension-plate 15, which is adapted to engage the end of the adjoining spool of thread, as shown clearly in Fig. 1. To yieldingly hold this tension-plate in position, said plate is provided with two horizontal supporting-pins 16, which extend through the casing 12 95 and through outward-extending enlargements 17, formed on said plate, said enlargements being in a horizontal plane passing through the center of the supporting-rod. Within the case and surrounding these pins 16 are coil-springs 18, said springs serving to hold the tension-plate in its forward position. The pins 16 are formed with heads 19, which are adapted to contact with the ends of the enlargements 17 to limit the forward movement of the tension-plate. 105

In operation the spools are threaded on the rod, a rectangular plate being placed between the ends of each pair of spools. The rod is then snapped into place and the tension de- 110

vice moved against the end of the spool last to be placed in position on the rod. The tension-plate is forced against said spool, and the device secured in position by means of the set-screw 14. By this means the proper tension may be placed on the spools to prevent the too free unwinding of the thread. It will of course be readily understood that this tension may be varied by adjusting the tension device.

The device is simple, convenient, and practicable.

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

1. A spool-holder comprising a supporting-rod adapted to hold a plurality of spools of thread, a support for said rod and adapted to support the spools, division - plates loosely mounted on said rod, means adapted to be engaged by said plates to prevent their rotation, and a movable tension device mounted on the supporting-rod and adapted to be brought to bear against the outer end of the end spool to hold the spools and the plates yieldingly against each other, and means to adjustably secure the tension device at any desired point on the rod.

2. A spool-holder comprising a supporting-rod adapted to hold a series of spools of thread, means for supporting said rod, a series of plates loosely mounted on said rod and adapted to be placed between the spools thereon, means adapted to be engaged by said plates to prevent their rotation, a movable tension device mounted on said rod and consisting of a spring-pressed plate adapted to be brought to bear against the end of a series of spools, means to adjustably secure the tension device

at any desired point on the rod and a rigid stop for the other end of the series of spools.

3. A spool-holder comprising a rod, means for supporting said rod, a series of angular plates loosely mounted on said rod and adapted to be placed between the spools supported by the rod, means to prevent the rotation of said angular plates, a spring-pressed centering-pin to detachably secure the rod in its supports, a movable tension device on said rod and consisting of a casing, a tension-plate mounted therein and adapted to bear against the end of a series of spools, supporting-pins for said plate mounted in said casing, springs within the casing and bearing against said plate to force it normally outward, and a set-screw for adjustably securing said tension device on the rod.

4. A spool-holder comprising a base, a rod, supports for said rod mounted on said base, one of said supports being vertically slotted, a centering-pin mounted in the slotted support, the rod being recessed at one end to receive said centering-pin, a spring normally forcing said centering-pin outward, angular division-plates loosely mounted on said rod and adapted to contact with the base to prevent the rotation of said plates, and an adjustable tension device mounted on said rod and adapted to engage the end of the series of spools.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

M. B. KREEGER.

Witnesses:

EDW. G. SMITH,
F. C. KREEGER.