

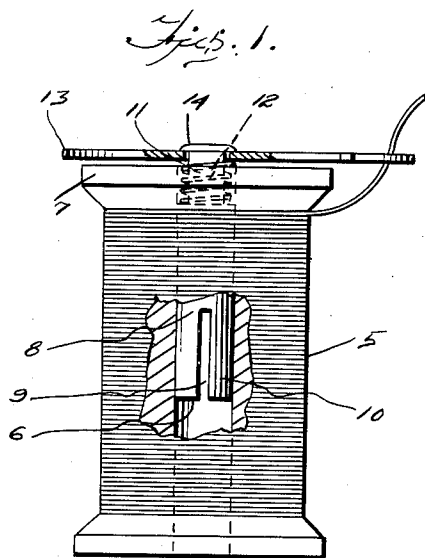
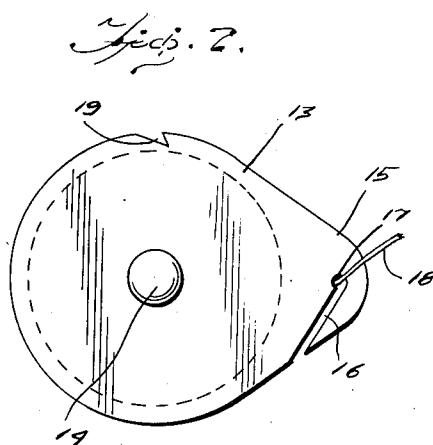
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F. E. BERSCHE

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SPOOL ATTACHMENT

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Inventor

Fridolin E. Bersche

By

Clarence A. O'Brien

Attorney

UNITED STATES PATENT OFFICE

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SPOOL ATTACHMENT

Fridolin E. Bersche, Waterloo, Ill.

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3 Claims. (Cl. 242—126)

The present invention relates to new and useful improvements in attachments for spools of thread and has for its primary object to provide a device of this character adapted to be detachably secured to one end of the spool and embodying a thread guide adapted to prevent rolling of the spool across the floor or other surface should the spool be accidentally dropped, as well as to prevent the unwinding of the thread from the spool in excess of the quantity desired for use.

A further object of the invention is to provide a spool attachment of this character also embodying cutting means for the thread.

A still further object is to provide a device of this character of simple and practical construction, which is neat and attractive in appearance, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction as more fully hereinafter described and claimed, reference being had to the accompanying drawing forming part hereof, wherein like numerals refer to like parts throughout, and in which—

Figure 1 is a side elevational view of a spool of thread with the attachment shown in position thereon and with parts broken away and shown in section, and

Figure 2 is an end elevational view of the spool.

Referring now to the drawing in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention, the numeral 5 designates a conventional type of spool of thread having the bore 6 extending therethrough and the flanges 7 at each end.

Inserted in one end of the bore 6 is a stem or tubular member 8 having its inner end split as shown at 9 providing the spring fingers 10 adapted for frictionally engaging the walls of the bore 6 to maintain the member in position therein. The outer end of the tubular member 8 is reduced as shown at 11 and mounted thereon is a coil spring 12.

Also freely mounted on the reduced portion of the tubular member, outwardly of the spring 12, is a disk 13 of thin rigid material, the end of the reduced portion 11 being upset as shown at 14 to retain the disk in position, the disk being held against idle rotation by the tension of the spring 12.

The disk is of substantially pear-shaped form as shown in Figure 2 of the drawing, and includes the rounded extension 15 at one edge of the disk within which is formed a slot 16 having a round-

ed inner end 17 and within which slot the thread 18 is adapted for insertion for positioning the rounded portion 17. The diameter of the rounded portion is sufficient to permit the free sliding movement of the thread therethrough.

Also formed in one edge of the disk 13 is a V-shaped notch 19 which forms a cutter for the thread when inserted therein.

The tubular member 8 is adapted for removable insertion in the bore 6 of the spool and when placed in position, as shown in Figure 1 of the drawing, the disk 13 will prevent rolling of the spool on a table, floor or other surface, so as to prevent unwinding of the thread therefrom. The tubular member 8 is frictionally held in the bore 6 of the spool against idle rotation and the spring 12 also retains the disk against idle rotation, although the disk may be rotated on the tubular member for the purpose of permitting unwinding of the thread, when so desired.

It is believed the details of construction, advantages and manner of use of the devices will be readily understood from the foregoing without further detailed explanation.

Having thus described the invention, what I claim is:

1. A spool attachment of the class described comprising a stem adapted for frictional engagement in the bore of the spool, a disk having a radial projection at one edge, said projection having a guide slot adapted to accommodate the thread for feeding the thread therethrough from the spool and means for attaching the disk to the stem against idle rotation.

2. A spool attachment of the class described comprising a stem adapted for frictional engagement in the bore of the spool, a disk having a radial projection at one edge, said projection having a guide slot adapted to accommodate the thread for feeding the thread therethrough from the spool, said disk being freely mounted on one end of said stem and spring means carried by the stem tensionally restraining free rotation of the disk.

3. A spool attachment of the class described comprising a stem having one end frictionally mounted in the bore of the spool, said stem having a reduced outer end, a disk freely mounted on the reduced end of the stem, spring means on the reduced end of the stem tensionally engaging the disk to restrain free rotation thereof, a radial projection on one edge of the disk and a thread guide in said projection.

FRIDOLIN E. BERSCHE.