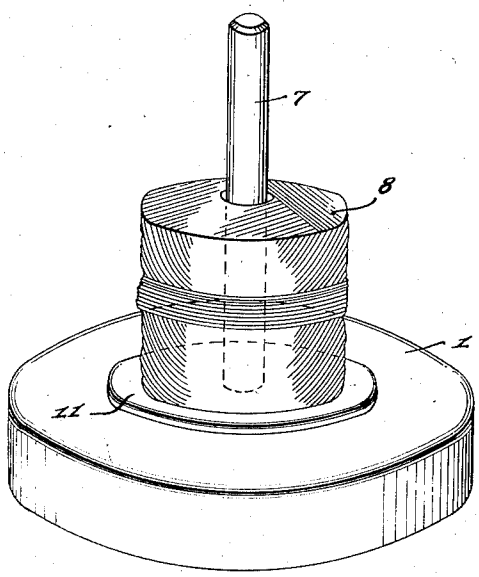
Dec. 20, 1949 H. L. SAMMONS 2,491,585

THREAD HOLDER

Filed Aug. 29, 1947

Fig. 1



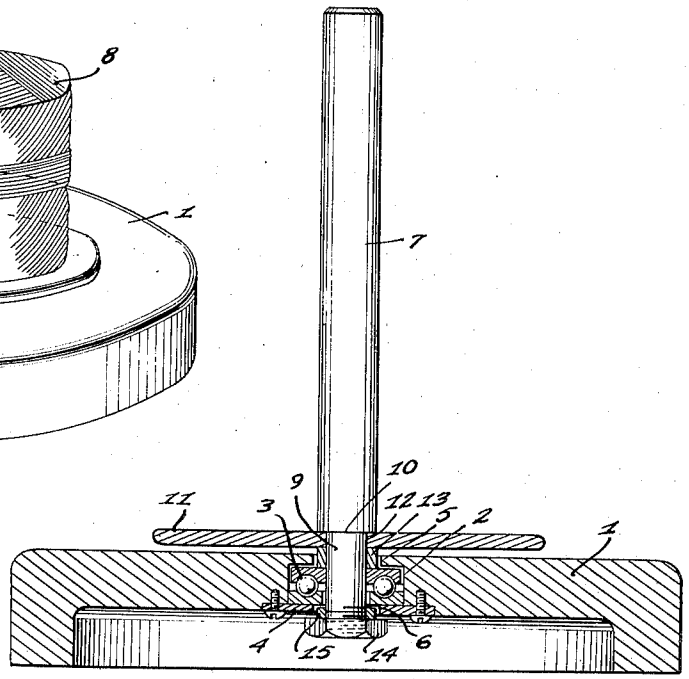


Fig. 2

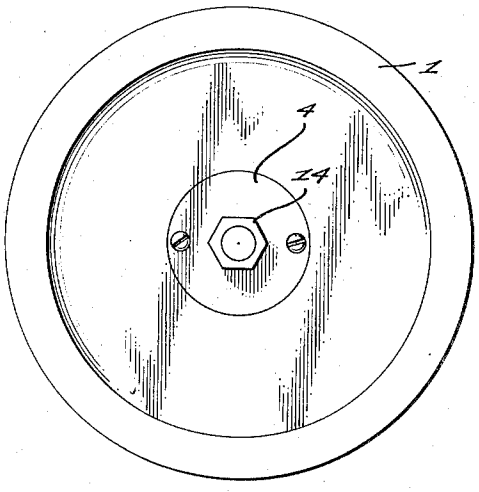


Fig. 3

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THREAD HOLDER

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1 Claim. (Cl. 242—130)

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The present invention relates to thread holders and has for its object the provision of a device which will support a ball or cone of thread such as is ordinarily used for crocheting and the like, so that the ball or cone cannot roll away as the strand is being unwrapped therefrom by the user.

The principal object is to provide a holder of this class having a spindle and platform rotatably mounted on a ball bearing, which will carry the ball of thread and permit the strand to be unwrapped therefrom with a minimum of effort.

Another object is to design a holder for this purpose, that cannot be easily tipped or upset by the pull exerted in unwrapping the thread.

These and other objects will appear from the following description and the illustration in the accompanying drawing, in which:

Figure 1 is a perspective view of my holder with a ball of thread positioned thereon.

Figure 2 is a vertical sectional view, and

Figure 3 is a bottom plan view of the device.

The base 1 of my holder will be preferably circular in plan view and may be made of any suitable material to give it proper weight and will be of such diameter as to prevent tipping of the holder when in ordinary use. A central opening 2 in the base will house an annular ball bearing 3, the top member of which will be free to rotate in said opening while the bottom member is held stationary therein. The bottom of the opening 2 will be of slightly greater diameter than the main opening and will provide an annular recess for a disc plate 4 secured by screws to the base and serving to hold the bearing in place. The opening 2 is reduced in diameter at the upper side of the base, as at 5, and an opening 6 of equal diameter is formed centrally through the plate 4.

A cylindrical thread spindle 7 designed to receive a ball of thread, such as 8, is reduced at its lower portion, as shown at 9, to form a shoulder 10. A circular platform member 11 has a central aperture 12 through which the reduced portion of the spindle is inserted, the upper face of the platform member bearing against the shoulder 10. Snugly fitting the portion 9 below the platform and supporting said platform on the spindle,

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is a sleeve 13 which rests upon the upper member of the bearing 3. The lower extremity of the portion 9 is threaded to receive a nut 14, and a sleeve 15 extends through the opening 6 and is positioned between the under side of the bearing and the said nut.

From the foregoing it will be clear that the weight of the spindle 7 and platform 11 is carried by the bearing 3 through the sleeve 13 and that the upper half of said bearing is free to rotate with the spindle and platform. Ease of operation is thus provided and the user may unwrap the thread from the ball with a minimum of effort.

Having now described the invention, what is claimed is:

A thread holder, comprising a base, an annular ball bearing assembly mounted in said base, said assembly being formed with a cylindrical opening therethrough axially thereof, said base being formed with an oversize cylindrical opening therethrough in alignment with said opening in said bearing, a thread spindle including a reduced lower end providing a shoulder, an axially-apertured thread platform freely rotatable on said reduced lower end of said spindle and providing a seat for said shoulder, said reduced lower end of said spindle being freely rotatable in said opening in said bearing assembly, and a sleeve freely rotatable about said reduced lower end of said spindle between said bearing assembly and said platform whereby to support the latter and said spindle on said bearing assembly.

HARVEY L. SAMMONS.

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