Oct. 24, 1944. W. R. ROSENDALE 2,361,320

YARN CAKE HOLDER

Filed Nov. 9, 1943

Fig. 1.

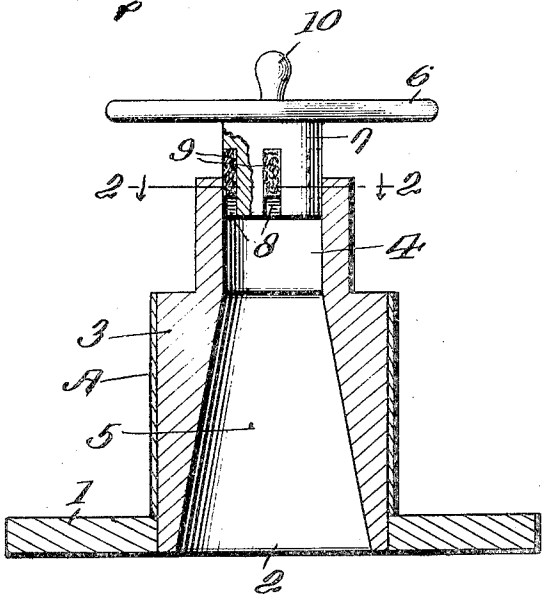


Fig. 2.

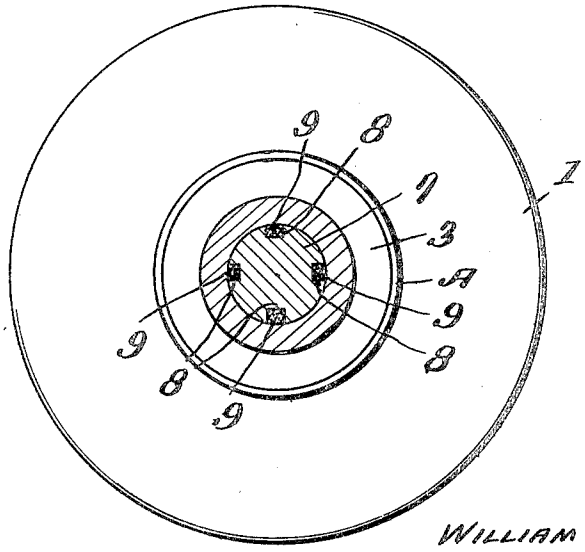


Fig. 3.

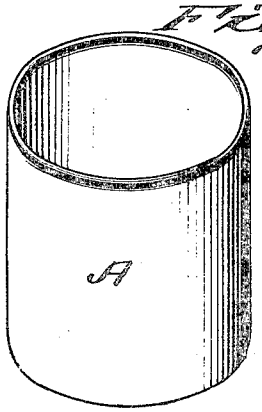
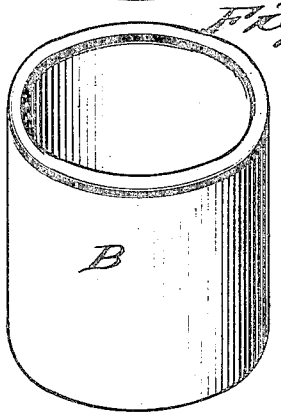


Fig. 4.



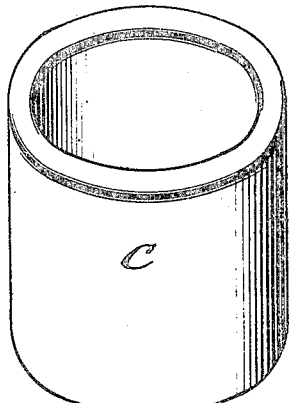


Fig. 5.

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YARN CAKE HOLDER

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Application November 9, 1943, Serial No. 509,565

2 Claims. (Cl. 242—130)

This invention is a continuation in part of my application for a yarn cake holder, filed August 9, 1943, Serial No. 497,891, the object being to provide a holder with interchangeable sleeves of various thicknesses whereby a holder is produced which will accommodate yarn cakes of varying thickness and cakes with openings of different sizes as the diameters of the body of the holder can be increased or decreased by changing the sleeves.

In the drawing:

Figure 1 is a longitudinal section through my improved construction of yarn cake holder, and

Fig. 2 is a section taken on line 2—2 of Fig. 1, and

Figs. 3, 4 and 5 are perspective views of a set of interchangeable sleeves having different diameters.

In carrying out my improvement I employ a construction as described in my application Serial No. 497,891 comprising a circular plate 1 provided with a central circular opening 2 in which is secured a tubular body 3 which has a cylindrical bore portion 4 and a conical bore portion 5, the conical bore portion being for the purpose of fitting the various cone holders. The circumference of the tubular body 3 is reduced, as clearly shown. This forms one of the sections of the holder and can be formed of any suitable material and the body can be secured to the circular plate by any desired means.

The other section comprises a circular head 6 carrying a circular plug 7 which is adapted to extend into the circular bore portion 4 and is provided with longitudinally disposed grooves 8 in which are secured resilient members 9 in the form of strips of felt so that when these two sections are telescoped together one section will be held in adjusted position in respect to the other. The head is provided with a knob 10 which can be grasped by the hand for moving the head in respect to the tubular body. While I have shown frictional members disposed in the grooves formed of felt I do not wish to limit myself to the use of felt or any construction of frictional members as these members can be formed of various materials in various ways.

In order to enable my yarn cake holder to be used for holding yarn cakes having different sized openings I employ a set of interchangeable sleeves A, B and C the walls of which are formed of different thicknesses so that the diameter of the body of the holder can be increased or decreased. The sleeves are adapted to be placed over the tubular body 3 as shown so as to fit snugly within the opening of a yarn cake. These sleeves can be formed of any suitable material and the interchangeable set may consist of any number of sleeves desired, each sleeve having a wall of a different thickness from another sleeve and adapted to fit snugly over the body of the holder.

A yarn cake holder constructed in accordance with my invention enables the same to be used for holding any and all of the yarn cakes now in use as means is provided for increasing the length of the holder and the size of the body thereof.

Prior to my invention yarn cake holders were formed of sections which had no means of holding the sections together so that the holder could be used in various positions, and it will be seen from the construction herein shown that I have provided a very simple form of cake holder formed of sections frictionally held together in such a manner that the device permits of high-speed cone creel warping.

I claim:

1. A yarn cake holder comprising a circular plate having a circular opening, a tubular body secured within said opening, a head carrying a plug movably mounted in said tubular body, a removable sleeve encircling said body, said plug being provided with longitudinally disposed grooves, and resilient frictional members mounted in said grooves adapted to engage said tubular body for holding said plug in adjusted position therein.

2. A yarn cake holder comprising a circular plate having a circular opening, a tubular body secured within said opening, a head carrying a plug movably mounted in said tubular body, said plug being provided with longitudinally disposed grooves, and resilient frictional members mounted in said grooves adapted to engage said tubular body for holding said plug in adjusted position therein.

WILLIAM R. ROSENDALE.