April 14, 1925. 1,533,913

R. D. HEYMANN

BOBBIN

Filed March 24, 1924

Fig. 1.

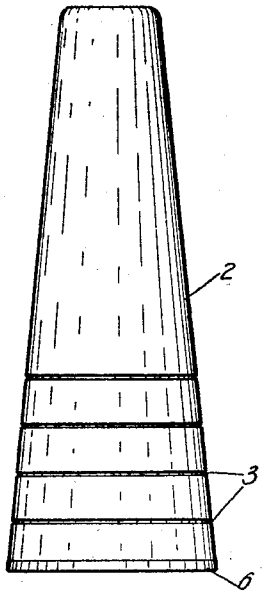


Fig. 2.

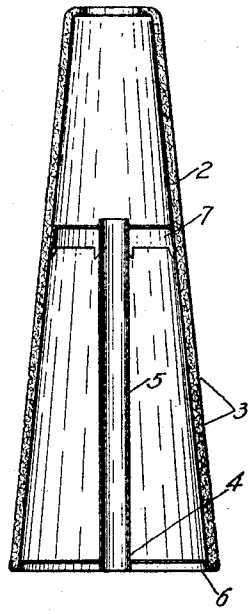


Fig. 3.

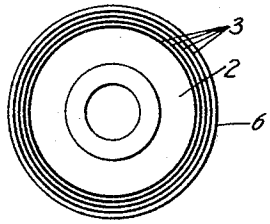


Fig. 5.

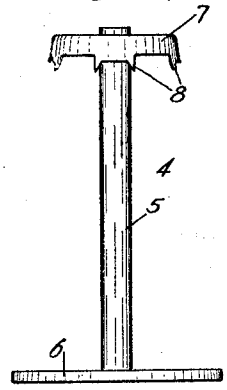
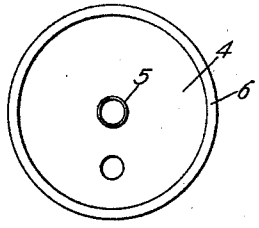


Fig. 4



INVENTOR.

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BY

ATTORNEY.

Patented Apr. 14, 1925. 1,533,913

UNITED STATES PATENT OFFICE.

ROY D. HEYMANN, OF HARTFORD, CONNECTICUT.

BOBBIN.

Application filed March 24, 1924. Serial No. 701,392.

To all whom it may concern:

Be it known that I, ROY D. HEYMANN, citizen of the United States of America, residing at 133 Sheldon Street, Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Bobbins, in which the following is a specification.

This invention relates to a bobbin, the objects of the invention being to provide a device of this nature which can be inexpensively and readily made and which is strong and quite serviceable.

In the drawing accompanying and forming part of the present specification there is shown in detail one of the several advantageous forms of embodiment of the invention which, to enable those skilled in the art to practice the same, will be set forth fully in the following description. I am not restricted to this disclosure. I may depart therefrom in several respects within the scope of the invention defined by the claims following said description.

Referring to said drawing:

Fig. 1 is an elevation of the appliance.

Fig. 2 is a longitudinal sectional elevation.

Fig. 3 is a top plan.

Fig. 4 is a bottom plan.

Fig. 5 is an elevation of a spider.

Like characters refer to like parts throughout the several views.

The device, as shown, generally involves a frustro-conical body, as 2, having several transverse circumferential grooves as 3.

The body encloses a spider, such as that denoted in a general way by 4 and including a shank or stem, as 5. The lower end of the shank or stem 5 is embedded in a central hole in the base 6. Connected to the top or upper end of the shank or stem 5 is fitted the head 7, generally of inverted cup-like form, having in the periphery of its flange several prongs, as 8, which bite into the stock of the pasteboard body 2 interiorly thereof.

What I claim is:

1. A hollow bobbin of frusto-conical form, the body receiving in it a spider having a base that receives the lower edge of the body and having a head which is interlocked with the body.

2. A hollow bobbin of frusto-conical form and of pulp, the body receiving in it a spider comprising a base that fits over the lower edge of the body and having a head and a hollow stem connecting the head and the base, the head having spurs which are pressed downwardly onto the body, said hollow stem being adapted to slidingly fit over a spindle.

In testimony whereof I affix my signature.

ROY D. HEYMANN.