April 26, 1927. 1,626,545

C. MARCH

TWINE HOLDER

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Fig. 1.

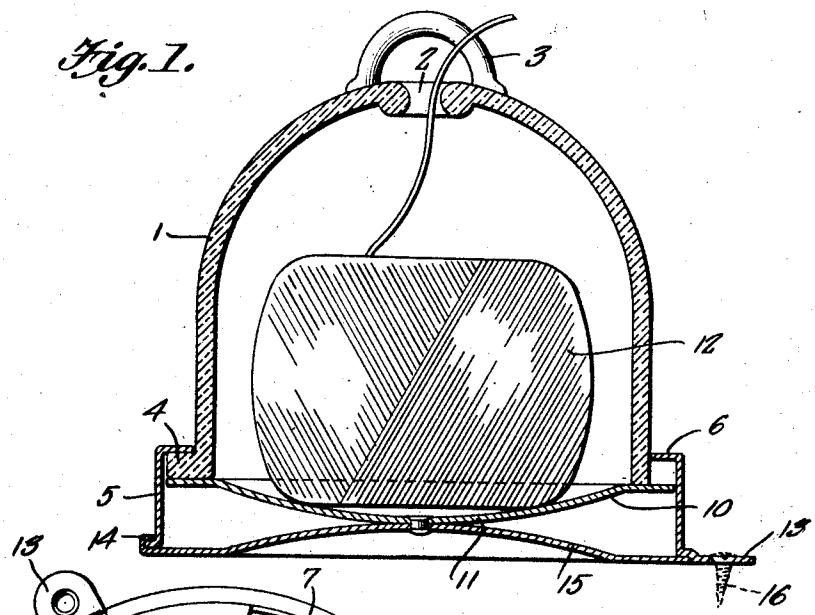


Fig. 2.

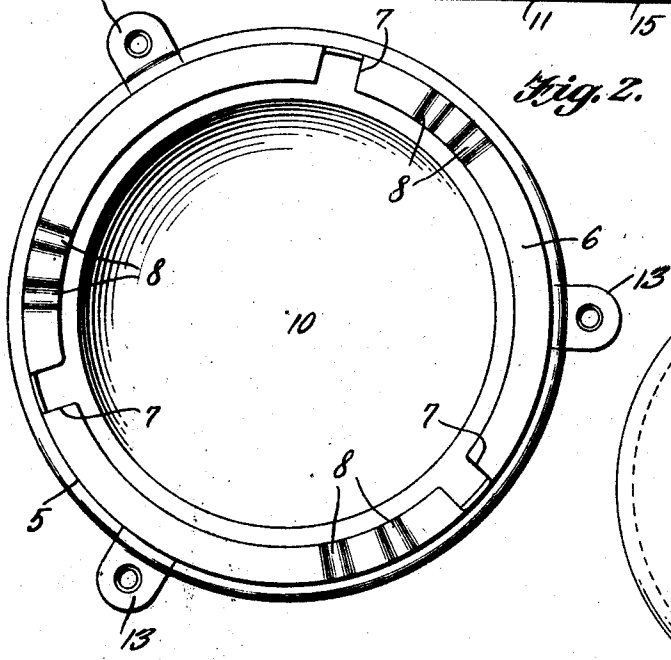
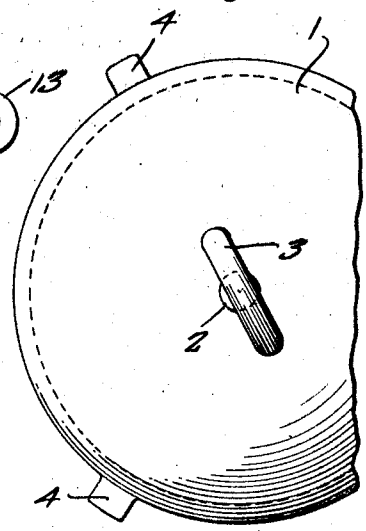


Fig. 3.



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Fig. 4.

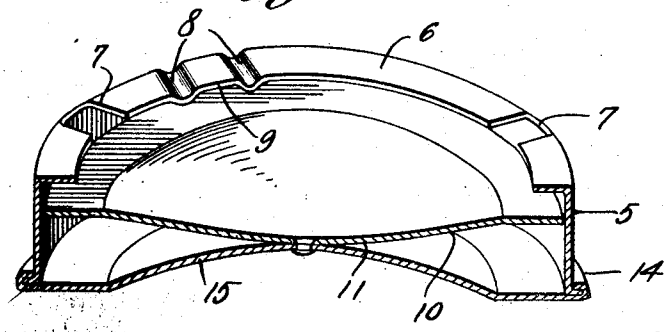


Fig. 5.

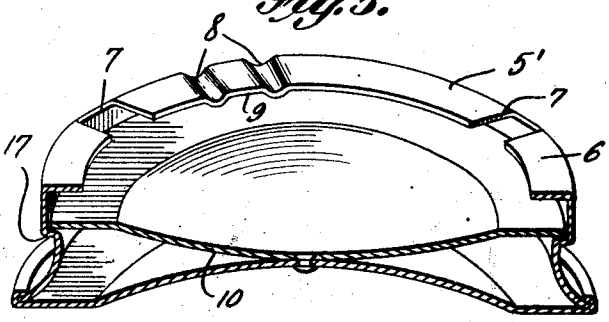


Fig. 6.

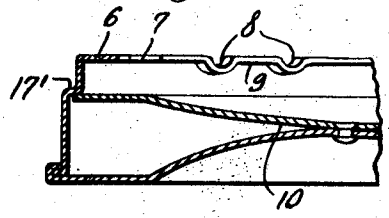


Fig. 7.

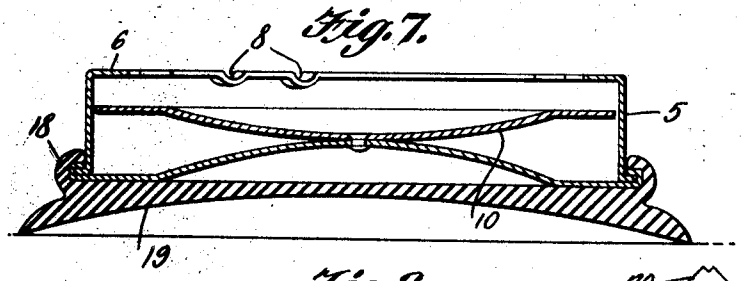


Fig. 8.

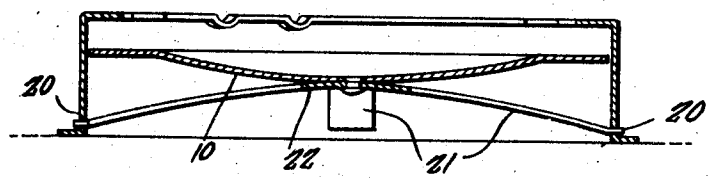
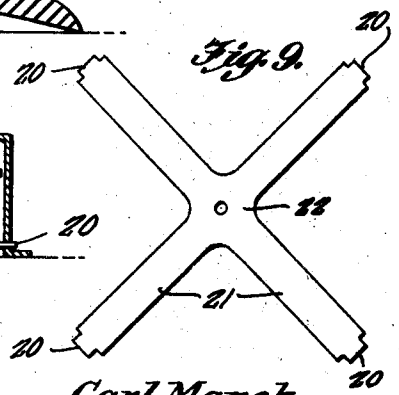


Fig. 9.



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WITNESS:

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UNITED STATES PATENT OFFICE.

CARL MARCH, OF CHICAGO, ILLINOIS.

TWINE HOLDER.

Application filed July 10, 1926. Serial No. 121,700.

An object of this invention is the provision of a twine holder for use in stores or like mercantile establishments whereby twine may be unrolled in desired lengths and severed from a ball thereof which is supported in the holder, and wherein the construction is such as to present a device that constitutes easily associated parts which may be cheaply constructed and which presents a neat and ornamental appearance but which is thoroughly practical and efficient for its purpose.

A further object is the provision of a twine holder in which a transparent bell-shaped top or dome is employed and which top or dome is removably associated with a metal base, the latter including a disc-like platform upon which the ball of twine rests, the outer strand of the twine passing through an opening in the top of the dome, and wherein spring means influences the disc to insure a locking engagement between the dome and the base.

To the attainment of the above broadly stated objects and others which will appear as the nature of the invention is better understood, the improvement resides in the construction, combination and operative association of elements, such as is illustrated by the accompanying drawings and set forth in the appended claims.

In the drawings:

Figure 1 is an approximately central vertical longitudinal sectional view through the improvement.

Figure 2 is a top plan view of the base.

Figure 3 is a similar view of the dome.

Figure 4 is a sectional perspective view through the lower portion of the device.

Figure 5 is a similar view illustrating a slight modification.

Figure 6 is a fragmentary detail sectional view through the base illustrating a further modification.

Figure 7 is a similar sectional view but illustrating a suction element associated with the base.

Figure 8 is a detail sectional view of the base illustrating a slight modification.

Figure 9 is a plan view of the spring member employed in the construction disclosed in Figure 8.

In carrying out my invention I employ a bell-shaped dome 1 of transparent material. The dome, at its top, is formed with a central opening 2, and arranged to straddle the opening there is fixed on the top a handle 3. Preferably the wall provided by the opening 2 is beaded, and the outer edge of the dome 1 is formed with outwardly extending lugs or fingers 4. The under faces of these lugs or fingers are flat and the upper corners thereof are preferably rounded.

The improvement contemplates the employment of a metal base ring 5. The base ring 5 is formed, at its top, with an inwardly directed flange 6, and the said flange is provided with notches 7 corresponding in number to the notches 4 on the dome 1. The flange 6 is, adjacent at least one of the notches 4, formed from its upper face with spaced depressions 8 providing therebetween an outwardly rounded portion, the inner wall of which is indicated for distinction, by the numeral 9.

Adapted to be received in the ring base there is a disc member 10. The disc member, from its periphery, is dished, as at 11, and on this dished portion a ball of twine 12 is designed to rest. The outer strand of twine or cord is directed through the opening 2 in the dome 1 after the dome has been placed on the base and on the disc in a manner which will presently be apparent. The base ring 5 is provided with outstanding spaced feet 13. Of course, the ring 5 may be formed with a continuous flange on its outer edge. The outer edge of the base is adapted to be engaged by fingers 14 formed on the periphery of an upwardly rounded spring member 15. The spring member may be in the nature of a disc whose central portion is of frusto conical formation and the said spring member 15 may be centrally secured to the center of the dished portion of the disc 11. The spring member will, of course, influence the disc 10 outwardly through the ring, and the spring influenced disc not only serves as a support for the ball of twine 12 but will hold the fingers 4 of the dome in the depresions 9, after the said fingers have been passed through the notches 7 and the dome turned to bring its fingers in a line with the notches. When thus positioned the dome is held from turning in either direction. Suitable securing means 16 may pass through the flange or feet portions 13 of the ring base. The ring base may be highly ornamented and the dome, as previously stated, is by preference transparent. The result is that an extremely simple and

novel holder for ball twine is produced, one which may be cheaply manufactured and sold and which is thoroughly efficient for its purpose.

In Figure 5 I have illustrated a modification, inasmuch as the ring base 5′ is rounded inwardly to provide a shoulder 17 on which the disc 10 rests. This limits the downward movement of the disc in the ring base. In counter-distinction to the arrangement disclosed in Figure 5, I have, in Figure 6, shown the ring base, at a desired distance below its top, offset to provide an inwardly directed shoulder 17, against which shoulder the disc 10 contacts. This limits the movement of the disc which is, of course, influenced by the spring member 15 (as is true with respect to the disc shown in Figure 5), in a direction toward the flange 6 of the ring base, but it is to be understood that the distance between the flange 6 and the disc 10, when the spring is not depressed, is less than the thickness of the fingers 4 of the dome 1. In Figure 7 I have shown the ring base having its lower edge flanged and the said flange is engaged by a lip 18 on the periphery of a suction cup 19. The suction cup is designed to hold the device upon a support in the well known manner and is desirable when the holder is not to be permanently attached to its support.

In Figure 8 the construction is substantially similar to that disclosed in Figures 1 to 4, with the exception that the ring flange is provided with spaced notches adjacent to its outer edge and in these notches there are designed to be received the reduced ends or fingers 20 upon the angle arms 21 of an arched spring member 22. The center and connecting portion for the arms of the spring member, of course, bears against the center of the ball twine supporting disc, to urge the same in the direction of the flange of the ring base and effectively hold the dome locked on the base.

The simplicity of my construction and the advantages thereof will, it is thought, be perfectly apparent when the foregoing has been carefully read in connection with the accompanying drawings, but obviously I do not wish to be limited to the precise features of construction herein set forth. Therefore, it is to be understood that I hold myself entitled to make such changes therefrom as fairly fall within the scope of what I claim.

Having described the invention, I claim:—

1. In a ball twine holder, a base having an inwardly directed flange which is notched, a dome having fingers to be received through the notches, and to underlie the flange when the dome is turned, a disc on the base, and spring means supported by the base and contacting the disc to urge the same against the fingers of the dome.

2. A ball twine holder, comprising a circular base having an inwardly directed flange which is notched, a transparent dome having its bottom provided with outstanding fingers designed to be received through the notches and to underlie the flange when the dome is turned, a disc received in the base, said disc having a central dished portion, and spring means carried by the base, connecting with the center of the disc to urge the same into frictional engagement with the fingers of the dome.

3. A ball twine holder including a circular base, having an upper inwardly directed flange which is notched, and which flange, is outwardly bulged to provide an inner depression, a transparent dome having its lower edge provided with outturned fingers to be received in the notches and to be likewise received in the depressions when the dome is turned on the base, a disc freely received in the base, said disc having a central dished portion, and an arched spring member connected with the base and centrally engaging the disc for urging the same into frictional contact with the fingers of the dome.

4. A ball twine holder including a circular base, having an upper inwardly directed flange which is notched, and which flange is outwardly bulged to provide an inner depression, a transparent dome having its lower edge provided with outturned fingers to be received in the notches and to be likewise received in the depressions when the dome is turned on the base, a disc freely received in the base, said disc having a central dished portion, an arched spring member connected with the base and centrally engaging the disc for urging the same into frictional contact with the fingers of the dome and a suction disc secured to the outer edge of the base.

In testimony whereof I affix my signature.

CARL MARCH.