June 15 , 1926. 1,588,577

I. HEIFLER

CONTAINER AND DISPENSING DEVICE FOR TAPE LIKE BODIES

Filed June 22, 1925

Fig. 1

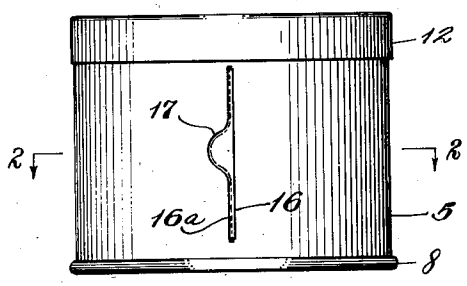


Fig. 2

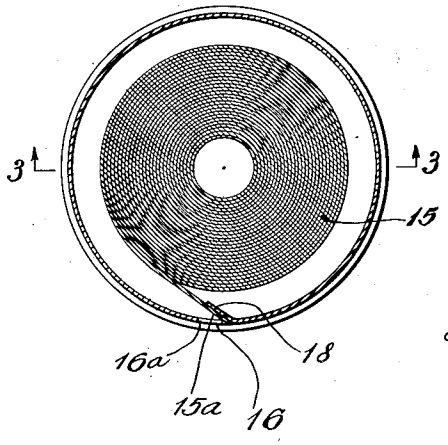
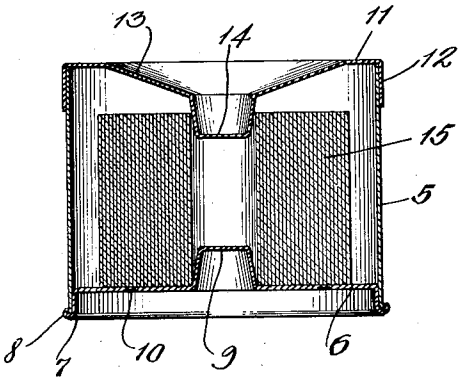


Fig. 3



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UNITED STATES PATENT OFFICE.

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CONTAINER AND DISPENSING DEVICE FOR TAPE-LIKE BODIES.

Application filed June 22, 1925. Serial No. 38,718.

This invention relates to containers for rolls of tape or tape-like bodies, such for example as adhesive tape, and the object of the invention is to provide a container for a roll of tape-like material with means in said container for supporting the roll in a predetermined position; a further object being to provide the container, or the periphery thereof, with an aperture through which the tape may be drawn in the removal of the tape from said container, one side wall of said slot constituting a cutting edge for shearing off the tape or parting a predetermined portion thereof withdrawn from the casing from the remainder of the roll; a still further object being to so construct the container as to apply tension to the roll in the tearing off of a predetermined portion thereof to prevent the rotation of the roll within the container; a still further object being to provide the apertured portion of the container with a tongue upon which the end of the tape is adapted to rest, after a predetermined portion has been removed from the roll; and with these and other objects in view the invention consists in a device of the class and for the purpose specified which is simple in construction and operation and efficient in use, and which is constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Fig. 1 is a side view of a container made according to my invention;

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

Fig. 3 is a section on the line 3—3 of Fig. 2.

My invention relates primarily to the provision of a container for adhesive tape but which may be used as a container for any kind or class of tape, such as rubber tape, electric insulation tape, or for a roll of or spool-like body of any kind or class, wherein it is desirable to utilize predetermined portions thereof at intervals, and in carrying my invention into effect, I provide a container 5, in the form of a cup-shaped body, the bottom 6 of which is preferably pressed inwardly or upwardly, as seen in the drawing, to provide a reinforced projecting flange or rim portion 7 beaded outwardly as seen at 8, and the bottom 6 is provided centrally, in the construction shown, with an inwardly pressed slightly tapered bearing stud 9, and the bottom 6 of the container 5 is preferably weakened as seen at 10 to render the central portion of said bottom more or less resilient for the purpose later described.

The top of the container 5 is open and adapted to be closed by a cover 11 having a flange or shield portion 12 overlying the walls of the container 5, and the central portion of the cover 11 is pressed inwardly in cone fashion as seen at 13 and provided centrally thereof with an inwardly projecting and slightly tapered bearing stud 14 in axial alinement with the stud 9, as clearly seen in Fig. 3 of the drawing.

In the construction shown, I have illustrated a roll of adhesive tape 15 mounted within the container 5 upon the bearing studs 9 and 14, which studs enter the apertured portion of the roll of tape and form supports on which the tape is rotatably mounted in order, at all times, to centralize the tape within the container 5. By providing the weakened portion 10 in the bottom 6 of the container, it will be seen that by applying slight pressure of the thumb and finger of one hand on the bottom wall 6 and cover 11, the roll of tape 15 may be frictionally retained in position at will and by releasing this pressure the roll may be freely rotated in the removal of a portion of the tape from said roll.

I provide the wall of the container 5 with an elongated aperture 16 which extends from the upper face of the bottom wall 6 to a point adjacent the cover 11, in the construction shown, and this aperture is preferably offset as seen at 17, centrally thereof, and a tongue 18 is formed at such offset portion which facilitates the easy grasping and removal of the tape from the container, it being seen that the free portion 15^a of the tape lies upon the tongue 18 after a portion thereof has been removed, or when the complete device is offered for sale. The edge or wall 16^a of the aperture constitutes a cutting edge, facilitating the tearing off of the tape or any desired length thereof that may be required at any one time, it being understood that the inner or adhesive face of the tape lies upon the tongue 18 and is temporarily adhered thereto.

In a device of the class specified, it will be apparent that the dispensing of predetermined lengths of a tape or strand body may be facilitated and yet a container of simple and practical construction is provided, and one which has utility especially as compared with the present type of container commonly employed for merchandise of the class under consideration, and it will be understood that with my improved construction, the cover 11 may be more fixedly retained in position than the cover of containers such as commonly employed and, as a matter of fact, this cover may be secured fixedly in position after the container has been filled with a roll of tape.

It will be understood that various changes in and modifications of the construction herein shown and described may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A device of the class described comprising a cup-shaped container, the bottom wall of the container being provided centrally thereof with an inwardly directed bearing stud, a cover forming the top of the container, said cover having an inwardly pressed conical portion terminating centrally with an inwardly projecting and tapered bearing stud upon which and the first named stud a roll of tape is adapted to be supported within the container, and the container having an aperture in the wall thereof from which tape may be removed from a roll supported in the container, and one end wall of the container being weakened permitting pressure to be applied by hand to frictionally retain the roll of tape in predetermined position within the container in the operation of severing a part projected through the aperture of the container.

2. A device of the class described comprising a cup-shaped container, the bottom wall of the container being provided centrally thereof with an inwardly directed bearing stud, a cover forming the top of the container, said cover having an inwardly pressed conical portion terminating centrally with an inwardly projecting and tapered bearing stud upon which and the first named stud a roll of tape is adapted to be supported within the container, one end wall of the device being weakened, and the container having an aperture in the wall thereof from which tape may be removed from a roll supported in the container, the weakened end wall of the device permitting pressure to be applied by hand to frictionally retain the roll of tape in predetermined position within the container in the operation of severing a part projected through the aperture of the container, and the container being provided adjacent the aperture with an inwardly projecting tongue on which the free end of the tape is adapted to rest.

In testimony that I claim the foregoing as my invention I have signed my name this 19th day of June 1925.

ISIDORE HEIFLER.