May 12, 1925. 1,537,253

G. F. MILLER

CONTAINER (DENTAL FLOSS)

Filed Oct. 5, 1921

Fig. 1

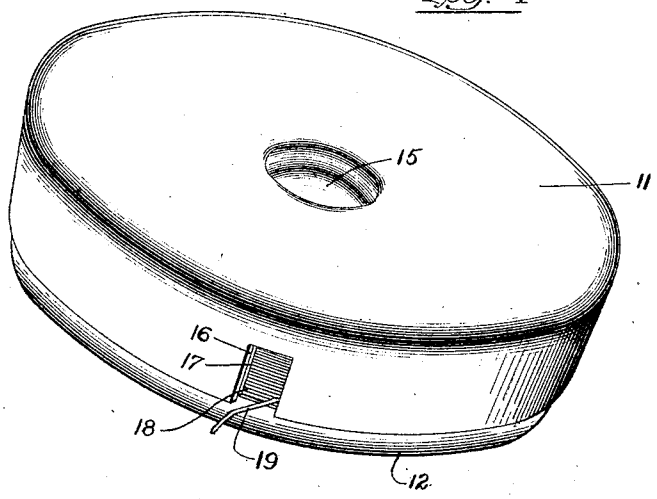
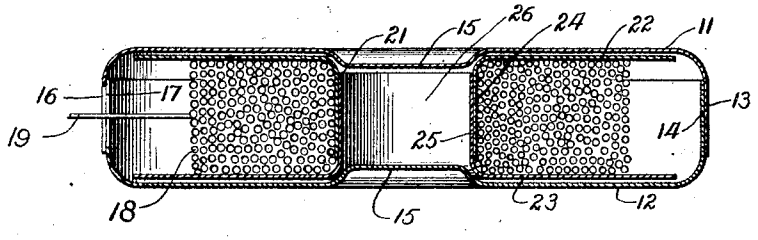


Fig. 2



Inventor:-
George F. Miller
By:- Munday, Clarke & Carpenter
Attys.

Patented May 12, 1925. 1,537,253

UNITED STATES PATENT OFFICE.

GEORGE F. MILLER, OF BROOKLYN, NEW YORK, ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

CONTAINER (DENTAL FLOSS).

Application filed October 5, 1921. Serial No. 505,648.

To all whom it may concern:

Be it known that I, GEORGE F. MILLER, a citizen of the United States, residing in Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Containers (Dental Floss), of which the following is a specification.

This invention relates in general to containers adapted for the packaging of dental floss or like material and has more particular reference to a new and improved arrangement of a holder and a reel positioned therein, which arrangement lends itself in especially efficient manner to the provision of a container of relatively large capacity and susceptible of inexpensive and practical commercial production.

A principal object of the invention is the provision of a dental floss container formed of a plurality of pieces of material, with resultant large capacity, and this without the use of any other means than the frictional engagement of said pieces to join them together.

A further object of the invention is the provision in a dental floss container of a two-piece reel in which the pieces are so joined together as to form a central aperture into which specially formed portions of the sides or panels of the holder may extend to form a bearing for the reel.

A still further object of the invention is the provision of an article of the character described, constructed of a minimum number of easily formed parts being thus adapted to economical manufacture and unlikely to become easily damaged or broken in service.

Numerous other objects and advantages of the invention will be apparent as it is better understood from the following description when considered in connection with the accompanying drawings illustrating a preferred embodiment thereof.

Referring to the drawings:

Figure 1 is a perspective view of a completely assembled container embodying the principles of my invention, and

Fig. 2 is a vertical section taken centrally through such a container.

Upon the drawings I have shown, as an exemplification of my invention, a dental floss container, comprising two interfitting parts or panels 11 and 12, having inwardly extending flanges 13 and 14 respectively, the flange 13 being of larger circumferential dimension whereby to permit it to embrace and frictionally engage the flange 14 of the other part or panel. Each panel is provided with a central depression 15 and the flanges 13 and 14 are recessed at 16 and 17 respectively, said recesses being arrangeable in registration to form an aperture 18 through which the floss 19 may be dispensed.

The reel, generally indicated by the reference character 21 is formed of two disks 22 and 23 having centrally struck circular flanges 24 and 25, the former of which is of larger circumferential dimension than the latter and adapted to frictionally engage it to form a unitary construction without the use of rivets or other mechanical securing means. With the flanges 24 and 25 nesting together, in the manner just described, an aperture 26 is provided through the center of the reel and into this aperture extend the depressed portions 15 of each panel thus forming an obstruction to lateral movement of the reel and providing a bearing for rotation thereof.

It will be observed that each of the parts of the container which I have provided may be formed by simple and well-known methods and machinery, from blanks of sheet metal or other suitable material without requiring special formation and for this reason the container may be cheaply manufactured and, as constructed, provides a reel adapted to receive an exceptionally large amount of floss or other material for the space utilized.

It is thought that the invention and many of its attendant advantages will be understood from the foregoing description and it will be apparent that various changes may be made in the form, construction and arrangement of the parts without departing from the spirit and scope of the invention claimed or sacrificing all of its material advantages, the form hereinbefore described being merely a preferred embodiment thereof.

I claim:

1. A container for dental floss and the like, comprising a holder formed of two marginally flanged parts, the flanges of which have a telescoping connection with each other the centers of said parts being bent inward to form journals for the reel,

and said reel composed of two parts having central flanged apertures arranged to fit loosely around said journals of the holder, and said flanges of the reel being telescoped one within the other and forming a base for the winding of the floss upon the reel.

2. A container for dental floss and the like, consisting of an exterior two-part holder having marginal flanges telescoped one within the other, and an interior reel arranged to turn within the holder and having flanges serving as a base for the winding of the floss on the reel and telescoped one within the other near the center of the reel.

GEO. F. MILLER.