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M. A. STRUMOR

2,944,705

DISPENSER FOR PASTE MATERIAL

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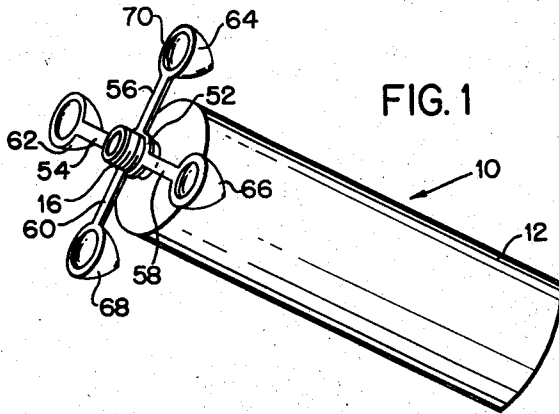


FIG. 1

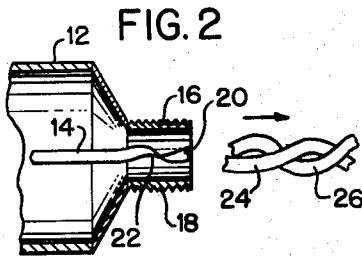


FIG. 2

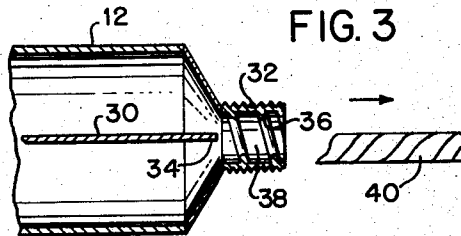


FIG. 3

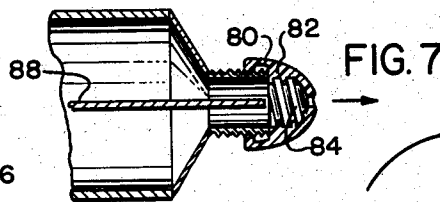


FIG. 4

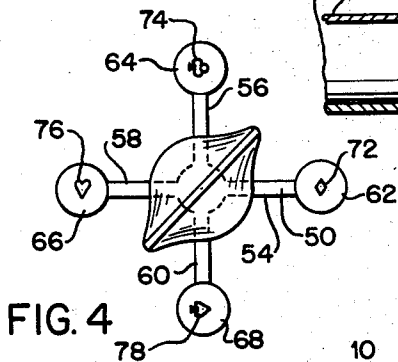


FIG. 5

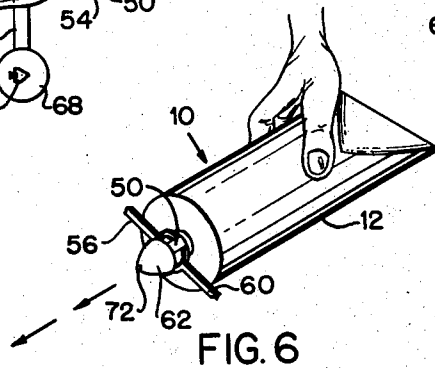


FIG. 6

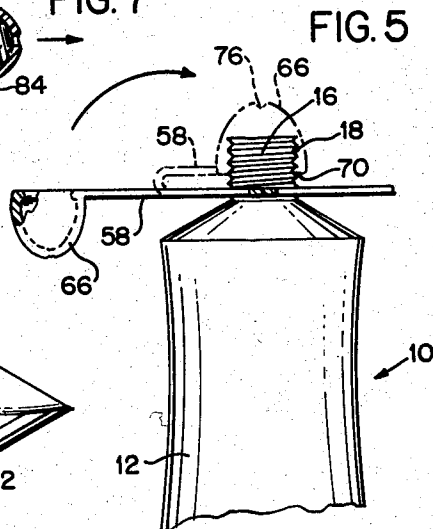


FIG. 7

INVENTOR.
MATHEW A. STRUMOR

BY *Kenneth S. Goldfarb*
ATTORNEY

1

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DISPENSER FOR PASTE MATERIAL

Mathew A. Strumor, New Rochelle, N.Y., assignor to Regent Plastics, Inc., Brooklyn, N.Y., a corporation of New York

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2 Claims. (Cl. 222-94)

This invention relates to the art of material packaging and dispensing, and more particularly, to a paste container for dispensing a strip of paste material of at least two different substances.

Various edibles have been packaged in collapsible tubes or other similar containers for use as a spread on biscuits, crackers, slices of bread, or the like, for conveniently preparing hors d'oeuvres. However, it is generally impossible to obtain a colorful and highly tasteful hors d'oeuvre using a single ingredient or paste material.

It is therefore an object of the present invention to provide means facilitating the preparation of hors d'oeuvres by feeding strips of paste material of a selected cross sectional shape, which includes two or more different edibles which are preferably of different color or consistency and which blend in a helically spiral pattern, so that most attractive and delicious hors d'oeuvres can be easily and simply prepared.

A further object of the present invention resides in the provision of means leading to the feeding of paste material from each side of a partition in a collapsible tube in a manner so that the paste material delivered from the neck of the collapsible tube is in the form of spirally entwined strips.

An additional object of the present invention resides in the provision of a novel neck construction for a collapsible tube, which is adapted to twist spiral strips of two or more different substances about each other.

Another feature of the invention is the novel cooperation between a collapsible tube with a novelly constructed neck portion arranged to feed material through a selected shaping cap so that a strip of paste material of a selected cross section or configuration and of at least two different spirally intermixed materials is fed through an aperture in the shaping cap.

Still further objects and features of the invention reside in the provision of a paste container for dispensing of strips of paste material of at least two different substances, which is adapted to shape the strip material to any one of a given number of selected cross sectional shapes, which is simple and inexpensive to manufacture, easy to operate and which may be used for dispensing any suitable type of paste material, such as edibles, cosmetics, shaving cream, dentifrices, paints or pigments.

These together with the various ancillary objects and features of the invention which will become apparent as the following description proceeds, are obtained by the paste container and dispenser constructed in accordance with the invention, preferred embodiments being shown in the accompanying drawings by way of example only, wherein:

Fig. 1 is a perspective view of an embodiment of a paste container and dispenser in accordance with the invention;

Fig. 2 is an enlarged partial sectional view illustrating in particular one form of neck construction which may be employed in carrying out the invention;

2

Fig. 3 is an enlarged partial sectional detail view illustrating a modified form of neck construction for the paste container and dispenser;

Fig. 4 is a bottom plan view of an embodiment of the invention;

Fig. 5 is a partial elevational view of the invention illustrating the shaping member arranged with one of the shaping caps fitted on the neck of the paste container;

Fig. 6 is a partial perspective view illustrating the manner of use of an embodiment of the invention; and

Fig. 7 is a sectional detail view of a further modification of the invention.

With continuing reference to the accompanying drawings wherein like reference numerals designate similar parts throughout the various views, reference numeral 10 generally designates the paste container and dispenser comprising an embodiment of the present invention, which includes a collapsible tube 12 formed of any suitable material, such as plastics, soft metals, or the like. The tube 12 may be of any suitable shape or size and has one or more partitions 14 therein of any suitable shape. Further, the tube 12 terminates in a neck 16, which is preferably externally threaded as at 18. The partition 14 has a portion 20 which is helically convoluted as at 22 so as to feed paste material from each side of the partition 14 in spiral strips, as indicated at 24 and 26 in Fig. 2, outwardly of the neck portion with the strips twisted about each other.

It is to be noted that various edibles arranged in blendable pairs or pluralities which are conventionally used for the preparation of hors d'oeuvres are delivered through the invention in a highly attractive manner. If the edibles are of different colors or consistencies, visually attractive patterns as well as tasteful delicacies may be easily and simply prepared merely by squeezing the tube and aiming the emitted strips onto the cracker, biscuit, cookie, bread or the like used for the preparation of hors d'oeuvres.

In Fig. 3 there is shown a modified form of the invention in which the partition 30 does not extend through neck 32 as does the partition 14. In this form of the invention the partition terminates short of the neck 32 as at 34, and the neck 32 is internally convoluted so as to form raised ribs 36 and grooves 38, whereby the material fed from each side of the partition 30 is forced to take a spiral path whereby a single cylindrical strip 40 is formed of paste material delivered from each side of the partition 30 and twisted about each other.

In further carrying out the invention there is employed a shaping member 50, which includes a ring 52 preferably internally threaded and which is threadably engaged on the neck 16 or 32. The ring 52 has integrally formed therewith a plurality of arms 54, 56, 58 and 60, which extend radially from the ring 52, and has integrally formed therewith substantially cup-shaped caps 62, 64, 66, and 68. The arms 54, 56, 58, and 60 are flexible so that the caps may be bent selectively one at a time to fit over the neck 16, as shown in Fig. 5, with the lip as at 70 engaging the external threads 18 of the neck 16.

Each of the caps is preferably formed with apertures of different configurations shown as being a diamond-shaped aperture 72, a club-shaped aperture as at 74, a heart-shaped aperture as at 76, and a spade-shaped aperture as at 78.

Thus, when in use as is shown in Fig. 6, with one of the caps, such as cap 62 having a diamond-shaped aperture 72 therein, a single strip of spirally entwined edibles of a diamond cross sectional shape will be delivered. Of course, the club, heart, or spade shaped apertures will produce strips corresponding to cross sectional configurations.

It is to be understood that the shaping member 50 is adapted for use with any similar dispensing tube or the like for single or multicolored paste materials.

As shown in Fig. 7, the cap 80 may be provided with a thickened portion 82 grooved as at 84 for providing the spiral forming means for feeding the paste material spirally. The partition 88 in this case extends into the neck and is planar.

Thus it can be seen that this invention provides means which allows a housewife or other person to easily and conveniently prepare hors d'oeuvres, whereby blended ingredients of different consistencies or colors may be spirally convoluted and delivered in strips of preselected shape allowing novel and highly attractive hors d'oeuvres to be prepared.

Various changes and modifications may be made without departing from the spirit and scope of the present invention and it is intended that such obvious changes and modifications be embraced by the annexed claims.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent, is:

1. A paste container for dispensing a strip of paste material of at least two different substances, comprising a collapsible tube terminating in a neck, a partition in said tube extending substantially the length of said tube, said partition having a portion extending into and through said neck, said portion being helically convoluted to feed paste material from each side of said partition and each side of said portion in spiral strips twisted about each other, a shaping member including a ring fitted on said neck, a plurality of flexible arms integral with and extending radially outwardly from said ring, and a plurality of shaping caps integrally formed with said arms, said shaping caps being selectively individually secured on said neck, said fitting caps having feed apertures therethrough of different shapes, whereby a strip of paste material of a selected cross sectional configuration and of at least two different spirally intermixed materials is fed through the shaping cap fitted on said neck.

2. A paste container for dispensing a strip of paste material of at least two different substances, comprising a collapsible tube terminating in a neck, a partition in said tube extending substantially the length of said tube, said partition having a portion extending into and through said neck, said portion being helically convoluted to feed paste material from each side of said partition and each side of said portion in spiral strips twisted about each other, said neck being externally threaded, a shaping member including a ring threadedly disposed on said neck, a plurality of flexible arms integral with and extending radially outwardly from said ring, and a plurality of shaping caps integrally formed with said arms, each of said shaping caps having an inner lip engageable with the threads on said neck to secure a selected of said shaping caps on said neck, said fitting caps having feed apertures therethrough of different shapes, whereby a strip of paste material of a selected cross sectional configuration and of at least two different spirally intermixed materials is fed through the shaping cap fitted on said neck.

References Cited in the file of this patent

UNITED STATES PATENTS

25	573,432	Megson	Dec. 15, 1896
	1,699,532	Hopkins	Jan. 22, 1929
	1,894,115	Murphy	Jan. 10, 1933
	2,103,111	Ekdahl	Dec. 21, 1937
	2,184,712	Fleissig	Dec. 26, 1939
30	2,760,683	Diether	Aug. 28, 1956
	2,778,533	Savary	Jan. 22, 1957

FOREIGN PATENTS

	281,613	Italy	Jan. 19, 1931
35	318,452	Great Britain	Sept. 5, 1929
	469,287	Great Britain	July 22, 1937