

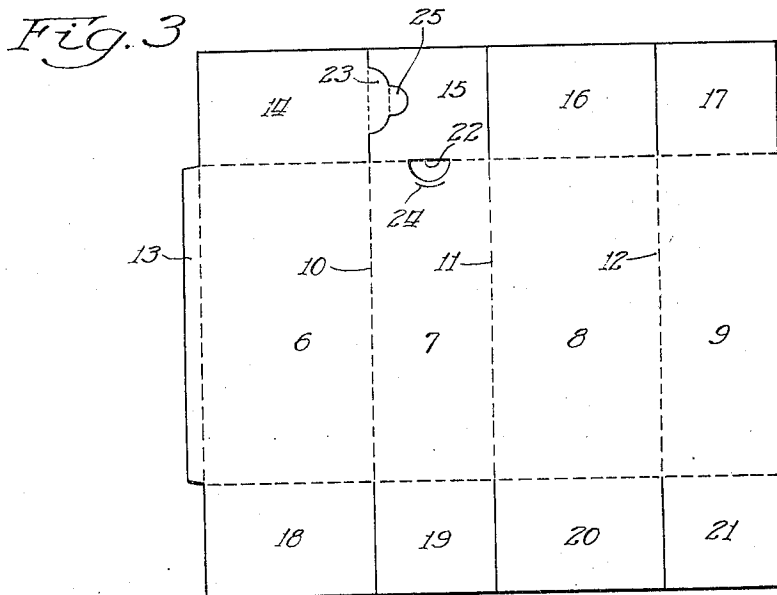
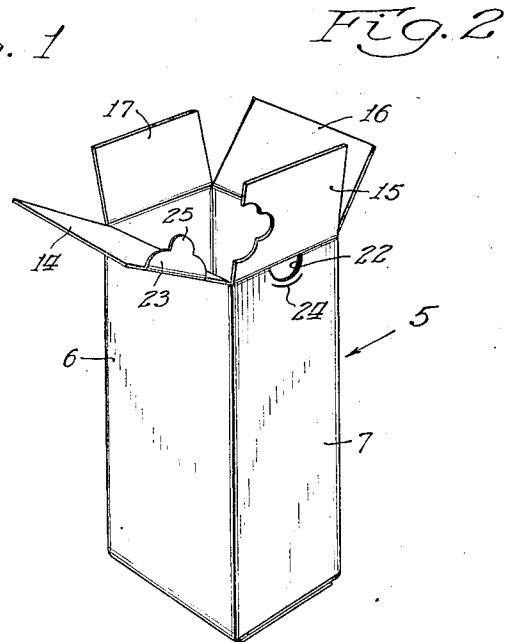
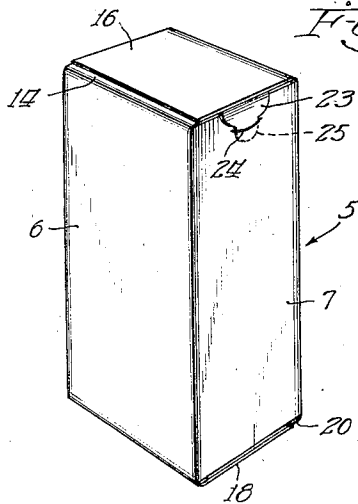
April 9, 1935.

P. A. NEMOEDE

1,997,009

DISPENSING CARTON

Filed May 28, 1934



Inventor

Paul A. Nemoede

By

E. A. Wagonseller

Attorney

UNITED STATES PATENT OFFICE

1,997,009

DISPENSING CARTON

Paul A. Nemoede, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Application May 28, 1934, Serial No. 727,848

1 Claim. (Cl. 229—17)

The present invention relates to dispensing receptacles, and more particularly to dispensing cartons or containers for use in connection with powdered and granular materials.

5 One object of this invention is to provide an effective and satisfactory dispensing arrangement for containers or cartons of the type which may be shipped flat to the packer and set up without requiring the use of special machinery or appliances.

10 Another object of the invention is to provide a folding carton with a dispensing opening and an efficient closure therefor of a generally simplified and improved construction.

15 Another object of the invention is to provide a blank for folding cartons having a closure for a dispensing opening, which closure is integral with one flap and cut out from an adjacent flap whereby there will be no waste in cutting of the blanks from sheet material.

20 A further object is to provide a dispensing carton having a closure for dispensing opening located in one edge of the box or the carton and having the closure for such dispensing opening integrally hinged to one of the closure flaps.

25 To these and other ends the invention resides in certain improvements and combinations of parts, all as will be hereinafter more fully described, the novel features being pointed out in the claim at the end of the specification.

In the drawing:

30 Fig. 1 illustrates a dispensing carton made in accordance with the present invention, as same appears when the carton is closed and ready for shipment;

35 Fig. 2 illustrates a carton in an open condition and showing the dispensing opening and closure flaps and their relation to the closure flaps of the carton; and

40 Fig. 3 is a flat view of a preferred form of blank for the dispensing carton.

Similar reference numerals throughout the several views indicate the same parts.

45 The present invention provides a simple and economical dispensing carton having a dispensing opening and closure therefor which is integral with one of the closure flaps of the carton and includes means by which the closure for the dispensing opening may be readily secured in closed position so as to prevent spilling of the contents from the opening when the carton is not in use.

50 Referring more particularly to the drawing, the carton is indicated at 5 and comprises a tubu-

lar body preferably of rectangular form and made of readily foldable paperboard.

The side walls 6, 7, 8 and 9 are defined from each other by score lines 10, 11 and 12 and a narrow attaching flap 13 of usual form is provided by means of which the ends of the blank may be secured together.

The walls 6, 7, 8 and 9 are provided respectively with top closure flaps 14, 15, 16 and 17 and bottom closure flaps 18, 19, 20 and 21, all of such flaps being defined from the ends of the walls 6, 7, 8 and 9 by means of score lines whereby the flaps may be readily folded over to close the carton in a manner which is well known.

One of the walls of the tubular body member, preferably a narrow wall, such as wall 7, is provided with an opening 22 at or near the top edge of such wall. This opening may be of any convenient shape, but in the present instance is shown as semi-circular.

In order to close the dispensing opening 22 a flap extension 23 is provided preferably integral with one edge of a side wall flap on a wall adjacent the wall 7. This flap 23 is, in the present instance, shown as an integral extension on the flap 14 on the wall 6. The closure flap 23 is preferably cut out from the material of an adjacent flap, being, in the present instance, flap 15. Since the closure 23 is disposed centrally of the flap and somewhat narrower than the wall 7, it will not in any way affect the function of flap 15 in its cooperation with flap 14 to provide a tight joint at the upper corner of the carton.

Means are preferably provided for releasably maintaining the flap 23 in its closed position. While this means may take several forms it preferably comprises a slit 24 in the wall 7 into which a tab 25 on the closure 23 is adapted to be inserted.

In the use of the carton of the present invention the bottom flaps of the carton are first sealed; the box is then filled with desired powdered or granular material and the carton is ready for top sealing. This may be done in a well known manner except that flap 23 is preferably sealed with adhesive in such a way as to be readily removed from contact with the wall 7 without tearing the flap or the wall. This may be done by spot gluing or otherwise lightly gluing the flap against the wall 7. During the gluing operation, after the flap 14 is in position, the flap 23 is secured against the side wall 7 in a manner such as just described so that the flap 23 and locking tab 25 will lie on the outside of the wall 7 and effectively close both the opening 22 and the slit 24.

While the flap 14 may be placed either above or below flap 16 in the closed condition of the carton it is preferably placed below such flap 16 so as to make a somewhat stronger and more durable construction.

5 From the foregoing, it is apparent that the present invention provides a very simple and advantageous form of dispensing arrangement for cartons whereby the contents may be removed
10 without tearing or otherwise destroying the carton, it being only necessary to lift up the flap 23 from its locked position in which the locking tab 25 engages against the inner face of the wall 7, and, after dispensing the desired amount of con-
15 tents, the flap 23 may be readily brought again to its closed and locked condition by a reinsertion of the locking tab 25.

While the present description sets forth a preferred embodiment of the invention, numerous
20 changes may be made in the construction without departing from the spirit of the invention,

and it is therefore desired that the present embodiment be considered in all respects as illustrative and not restrictive, reference being had to the appended claim rather than to the foregoing description to indicate the scope of the invention.

I claim:

A dispensing carton comprising a four-sided tubular body section with a closure flap extending from the upper edge of each of the sides of the body section, a dispensing opening formed in one
10 side wall adjacent the juncture of such side and its closure flap, a closure flap integral with and extending from a flap on an adjacent side wall, said closure flap being cut from the material of
15 an adjacent closure flap and being adapted to fold along the edge of the carton and close said dispensing opening when the carton is set up, and means for releasably retaining the closure flap in closed position.

PAUL A. NEMOEDE.