

July 3, 1928.

1,675,415

J. E. LIEBRICH

CANDY PACKAGE

Filed April 1, 1925

Fig. 1.

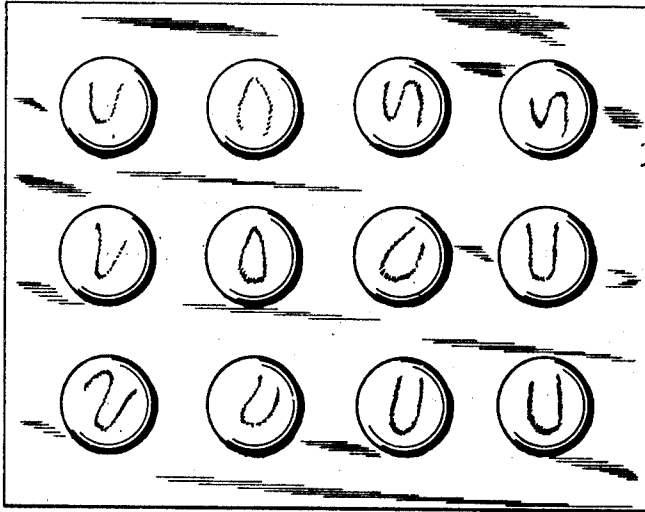


Fig. 3.

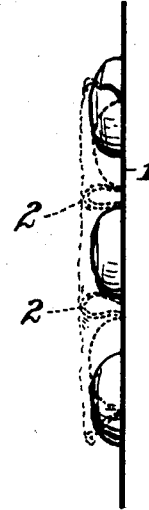


Fig. 2.

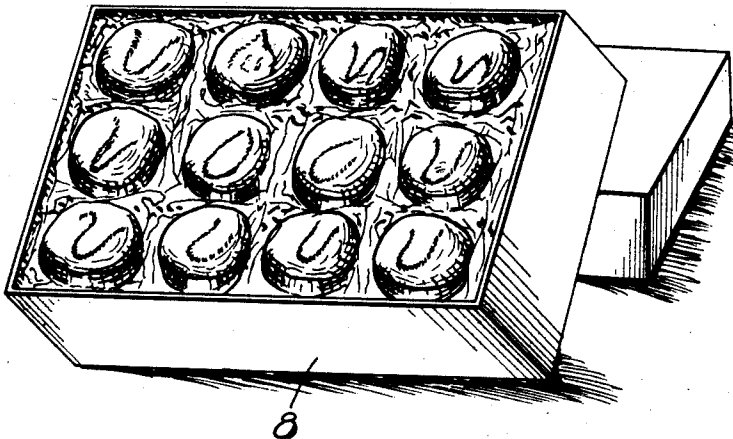
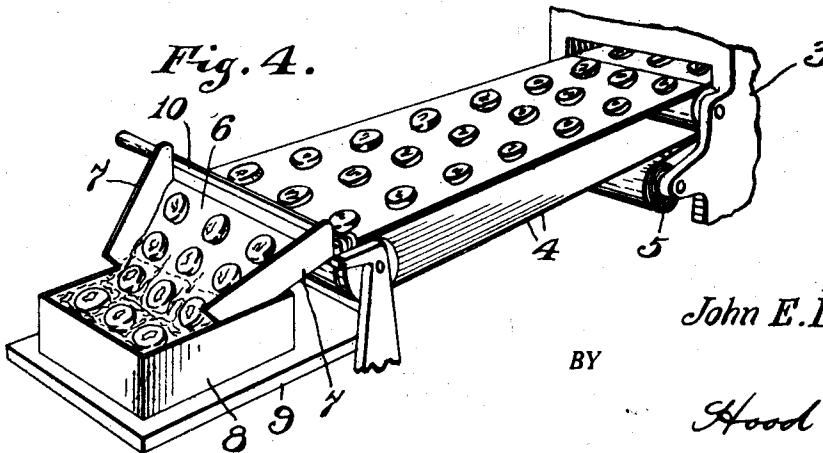


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN E. LIEBRICH, OF INDIANAPOLIS, INDIANA.

CANDY PACKAGE.

Application filed April 1, 1925. Serial No. 18,773.

My invention relates to improvements in candy packages and the method of producing the same.

One of the objects of my invention is to provide an improved form of separator for the layers of candies adapted to be packed in boxes and for the individual pieces of candy and to provide an improved method of producing this separator.

For the purpose of disclosing my invention I have illustrated certain embodiments thereof in the accompanying drawings in which,

Fig. 1 is a plan view of the separator with the candy pieces laid thereon before the individual piece separators are formed;

Fig. 2 is a perspective view of a box showing the candy packed therein;

Fig. 3 is an end elevation of the structure illustrated in Fig. 1, and

Fig. 4 is a perspective view of an apparatus for inserting and folding the separator in the box.

In the embodiment illustrated I provide a sheet 1 which may be of any suitable material although I have found that for my purposes the paper commercially known as oiled or paraffin paper possesses decided advantages. This sheet is considerably larger, both transversely and longitudinally than the box in which the candies are to be packed. The candies, generally in the form of chocolate covered candies, are placed while warm in suitable spaced relation on the sheet. Due to the fact that the candies are warm when placed on the sheet they will slightly adhere to the sheet. The sheet is then compressed, both longitudinally and transversely which causes that portion of the sheet intermediate of the candies to double up upon itself, substantially as shown at 2 in dotted lines in Fig. 3, whereby each individual candy will be separated from those adjacent it by a vertical separator. The sheet is then placed in the box and a second layer, formed in substantially the same manner, is placed on top of the first, the number of layers, one on top of the other, depending upon the quantity of candy to be filled in each box.

In Fig. 4 I have illustrated an apparatus for automatically shaping the separators. In this figure chocolate coated candies in this instance are received from the automatic coater 3 and are deposited upon a belt con-

veyor 4. Arranged beneath the belt conveyor is a roll 5 of separating paper and the end of this paper is brought up and laid over the top of the conveyor so that the conveyor will feed forward with a layer of paper on the top of the same. As the candies are deposited on the conveyor they are placed upon the paper covering the same and as the paper and candies are fed forward they are delivered into an inclined chute 6 having vertical sides 7 which converge at their delivery end to the width of the box to be packed. The box 8 to be packed is supported on a suitable shelf 9 beneath the chute and as the paper feeds forward the edge of the paper impinges against the end of the box folding the paper upon itself between the candy pieces to form the vertical dividers transversely of the box and as the paper feeds into the box the sides are compressed so that the vertical dividers extending longitudinally of the box are formed. The box, during the filling process, is moved away from the chute more slowly than the paper is fed into the box and when a length of paper containing the desired number of pieces of candy has been fed into the chute it may be sliced off by a suitable knife 10.

I claim as my invention:

1. An article separator adapted to contain a plurality of articles, comprising a separator sheet having integral vertical irregular puckers on all sides of each article placed thereon and forming separators for the individual articles on the sheet.

2. An article separator sheet adapted to contain a plurality of articles and comprising a flexible separator sheet upon which a plurality of articles are adapted to rest, said sheet having integral vertical irregular puckers folded in the sheet on all sides of each of the articles thereon between the adjacent articles.

3. A separator sheet for articles adapted to contain a plurality of articles, comprising a separator sheet upon which the articles are adapted to rest having that portion of the sheet adjacent each article crinkled to form a nest for the article.

In witness whereof, I, JOHN E. LIEBRICH, have hereunto set my hand at Indianapolis, Indiana, this 30th day of March, A. D. one thousand nine hundred and twenty-five.

JOHN E. LIEBRICH.