

W. I. FELL.
 CARTON OR PACKAGE.
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925,572.

Patented June 22, 1909.

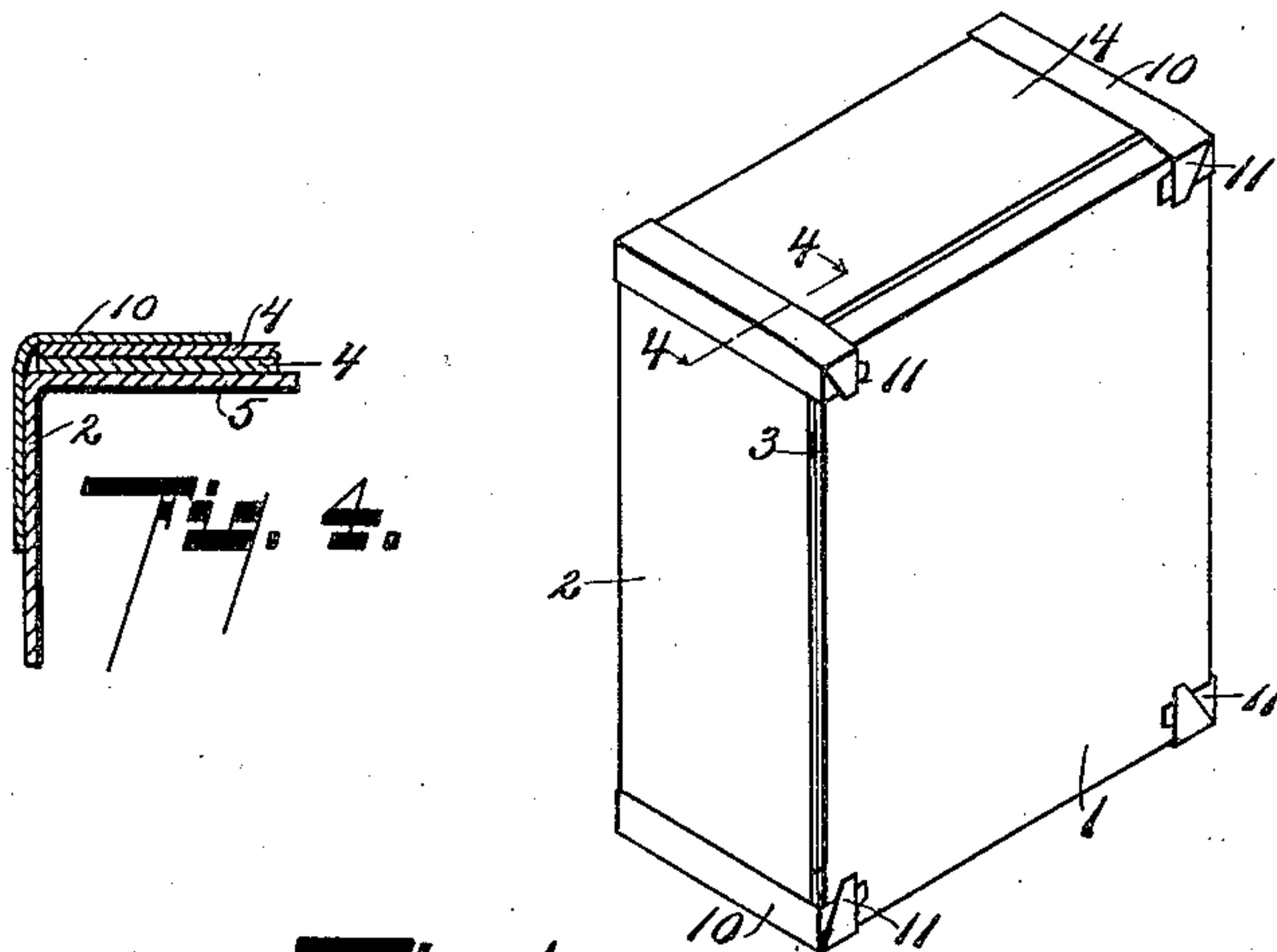


Fig. 1.



Fig. 3.

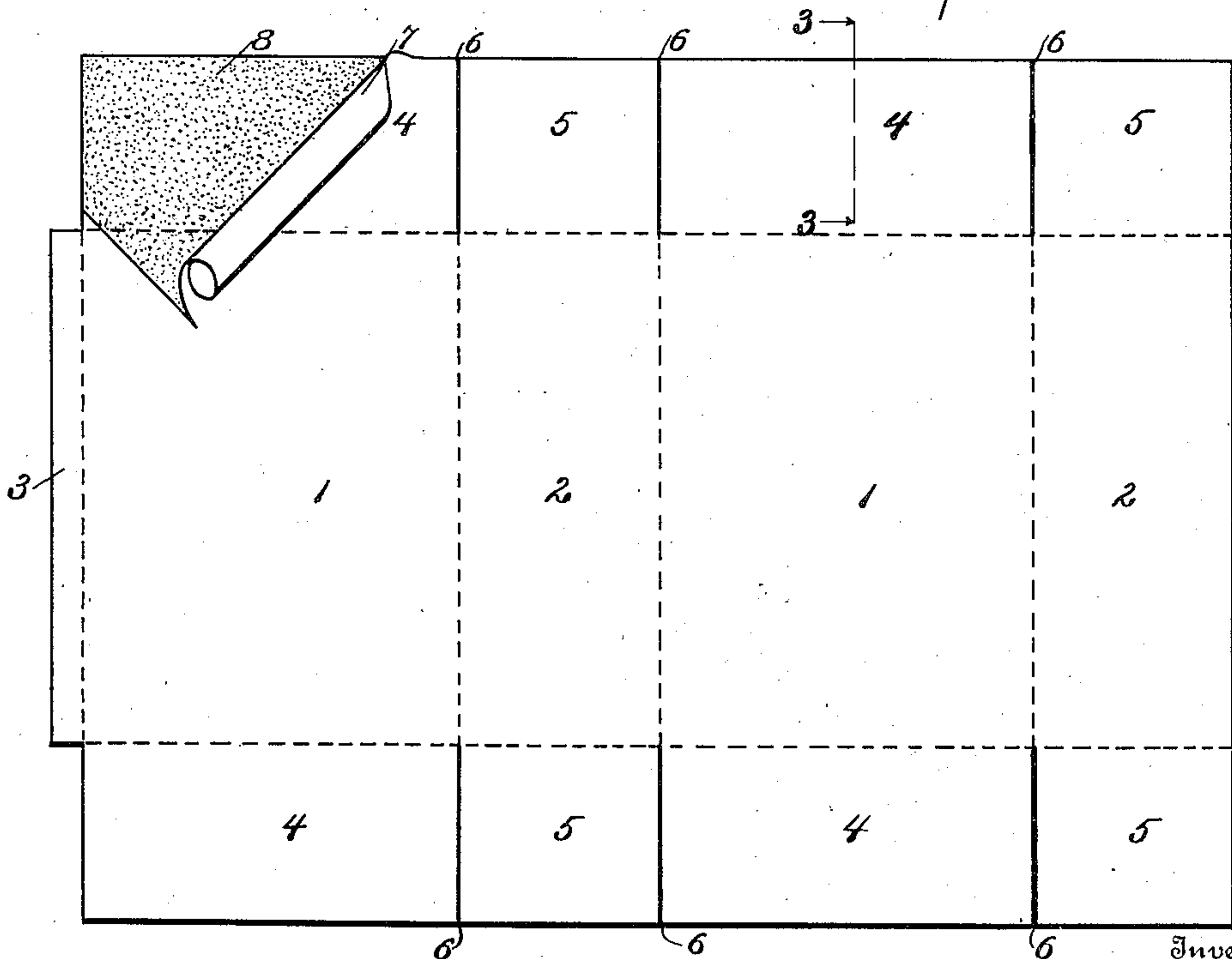


Fig. 2.

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WILLIAM I. FELL, OF BATTLE CREEK, MICHIGAN, ASSIGNOR TO THE MICHIGAN CARTON COMPANY, OF BATTLE CREEK, MICHIGAN.

CARTON OR PACKAGE.

No. 925,572.

Specification of Letters Patent.

Patented June 22, 1909.

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To all whom it may concern:

Be it known that I, WILLIAM I. FELL, a citizen of the United States, residing at the city of Battle Creek, county of Calhoun, State of Michigan, have invented certain new and useful Improvements in Cartons or Packages, of which the following is a specification.

This invention relates to improvements in cartons or packages.

The main object of this invention is to provide an improved carton or package which is suitable as a receptacle for food, and one which is insect and moisture proof.

A further object is to provide an improved carton or package possessing these advantages which is very economical to produce.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The invention is clearly defined and pointed out in the claims.

A structure embodying the features of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure 1 is a perspective view of a sealed carton embodying the features of my invention. Fig. 2 is an inside plan view of the blank from which the carton shown in Fig. 1 is made, a portion of the inner lining being rolled up to disclose the intermediate coating. Fig. 3 is an enlarged detail section, taken on a line corresponding to line 3—3 of Fig. 2, the parts being enlarged to show clearly their relation. Fig. 4 is an enlarged detail section taken on a line corresponding to line 4—4 of Fig. 1, showing the arrangement of the sealing strips 10.

In the drawing, similar numerals of reference refer to similar parts throughout the several views.

Referring to the drawing, the carton illustrated is made up of side walls 1—1 and 2—2. The outer side wall 1 of the blank is provided with a flap 3, which is adapted to be secured to the outer edge of the outer wall 2 of the blank, the walls being folded along the dotted lines, being preferably made of cardboard and scored along these lines to facilitate folding.

The side walls 1 are provided with end flaps 4 at each end and the walls 2 are pro-

vided with end flaps 5 at each end. These end flaps are adapted to fold upon each other and are secured together by gluing in the well-known manner. These side walls and flaps are preferably formed of a single piece of cardboard, the blank being substantially rectangular with the exception of the flap 3, and being slitted at 6 to form the end flaps.

I provide a continuous lining 7, preferably of thin paper, which is secured to the wall 8 by a continuous coating of silicate of soda, the silicate of soda being applied and the inner lining 9 laid and pressed thereon before the silicate of soda has hardened, thus securing the lining to the walls throughout. This arrangement provides a clean, inner lining for the carton making it particularly desirable as a receptacle for foods, and obviates the necessity of first placing the food in bags or other wrappers before placing in the carton.

The flaps are folded and secured in the usual manner and the small pin point openings at the corners closed by the sealing strips 10, which are preferably formed of paper. These strips are secured over the edges and folded over the corners, as is clearly illustrated in the drawings, thus effectively closing the small corner openings, and further, forming a seal for the carton.

The silicate of soda coating renders the carton insect, as well as moisture proof, thus making it very desirable as a receptacle for foods, particularly of the class generally designated as breakfast foods, as these foods rapidly deteriorate in moist atmosphere, and are peculiarly susceptible to attacks of insects.

My improved carton or package is further desirable for use as a receptacle for articles, such as raisins and the like, where it is desirable to retain the freshness and moisture thereof. Other uses will readily suggest themselves to those skilled in the art to which this invention relates.

I illustrate my improved carton as provided with a separate outer cover, as paper, which serves as a label for the carton, although the printing may be and usually is done directly upon the carton walls, thus saving the expense of the outer cover and the application thereof to the walls.

My improved carton is very economical to produce in the matter of labor and material,

as the cost of the silicate of soda coating is slight. This coating to some extent penetrates into the cardboard carton walls and also the inner lining, so that both effectively
5 resist the action of the moisture.

The carton I have illustrated is in the common form of food cartons, but it will be obvious that it may be varied to suit the particular requirements.

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

15 1. A carton or package comprising side walls provided with flaps at each end thereof, said walls and flaps being formed integrally of cardboard; a continuous coating of silicate of soda for said flaps; a continuous paper lining for said walls and flaps secured thereto

by said coating, said flaps being folded and secured together; and corner seals consisting
20 of strips secured over the edges and corners of the carton.

2. In a carton or package, the combination with the walls, of a lining; a coating of silicate of soda for said walls, said lining being se-
25 cured to said walls by said coating; and corner seals, all coacting for the purpose specified.

In witness whereof, I have hereunto set my hand and seal in the presence of two wit-
30 nesses.

WILLIAM I. FELL. [L. s.]

Witnesses:

BERNARD J. OWEN,
THERESA FLETCHER.