

A. J. SCHINDLER.
BOX SPOUT.
APPLICATION FILED AUG. 23, 1911.

1,101,337.

Patented June 23, 1914.

Fig. 1.

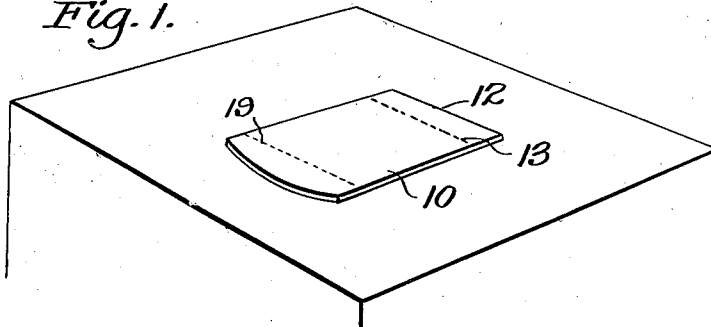


Fig. 2.

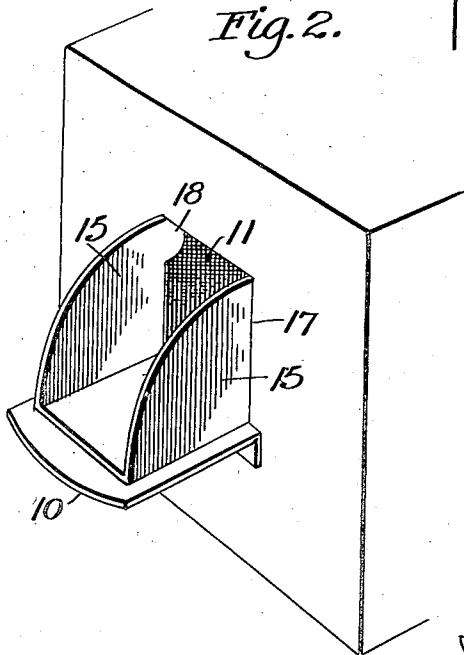


Fig. 3.

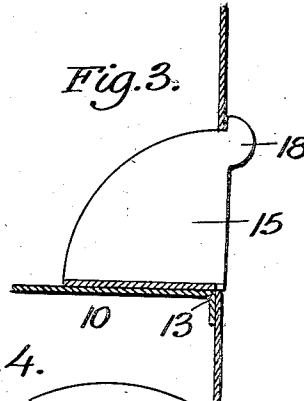
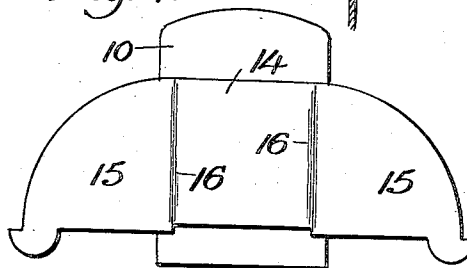


Fig. 4.



WITNESSES

James F. Duhamel
Geo. Ackman Jr.

INVENTOR,

Anthony J. Schindler,

BY

Victor J. Evans
ATTORNEY

UNITED STATES PATENT OFFICE.

ANTHONY J. SCHINDLER, OF BLOOMFIELD, NEW JERSEY.

BOX-SPOUT.

1,101,337.

Specification of Letters Patent.

Patented June 23, 1914.

Application filed August 23, 1911. Serial No. 645,487.

To all whom it may concern:

Be it known that I, ANTHONY J. SCHINDLER, a citizen of the United States, residing at Bloomfield, in the county of Essex and State of New Jersey, have invented new and useful Improvements in Box-Spouts, of which the following is a specification.

This invention relates to boxes and more especially to spouts provided for same and which may be attached to the tops at very small cost so that the spout may be applied to boxes to be thrown away as will be more fully explained in the following specification, set forth in the claim and illustrated in the drawings, wherein,

Figure 1 is a perspective view of the top of a box showing the invention applied thereto. Fig. 2 is a similar view with the spout open and the box tilted. Fig. 3 is a sectional view through the top of the box. Fig. 4 is a spout detached.

In the manufacture of pasteboard boxes containing food and similar articles, a serious inconvenience has been experienced by the necessary cutting of the lid of the box and having no means by which the detached lid could be held down to prevent the destruction of the material after a small amount has been used. The present invention is adapted to overcome this difficulty because it provides a cheap and simple spout in an opening in the box and which may be returned to its place after extracting certain amount of the material.

The lid consists of a flap 10 of suitable size to cover an opening 11, leaving a margin to completely close the opening, and a rear end 12 which is pasted to the box. The lid may be weakened along the line 13 by means of perforations or a similar method so that the lid may be opened as shown in Fig. 2. Attached to the under side of the lid 10 and within the box is a cardboard portion 14 having wings 15 which are weakened as above described and adapted to be bent on the line 16. Before the box is opened, the flap 10 and wings 15 occupy the position shown in Fig. 4, but when the flap is raised, the wings 15 are caused to take the position shown in Figs. 2 and 3 in consequence of their passing out of the sides 17 of the opening 11. After the flap 10 has been drawn outward to a right angle, further progress

is prevented by means of the stops 18 which engage the upper edge of the opening 11. The spout is now in position to deliver the contents of the box and when the quantity desired has been extracted, the flap 10 is pushed back again and the wings 15 spread themselves beneath the lower surface of the box. When the flap is returned to its original position, the opening is closed and almost hermetically sealed, thus guarding against germs, insects, dust, etc., entering the package and preventing moisture and the handling of the contents. The package is thus sanitary, attractive and serviceable.

In order to more securely seal the box, a covering of paper or a seal of any appropriate design may be pasted on the cover and over the flap in order to insure the contents from being tampered with, and prevent leakage, dampness and injurious influences to otherwise injure the contents.

It is obvious that other modifications may be resorted to in the use of this device without departing from the essential features above described.

The spout may be applied to any side of the box and at any certain corner which may be found most useful.

In addition to weakening the flap 10 along the line 13, another rouletted line 19 may be added near the outer end of the flap in order to secure a hold thereto when raising same.

What I claim as new and desire to secure by Letters Patent is,—

In combination with a box having at its side an opening provided with rectangularly disposed edges, a closure for the opening comprising a flap of greater area than the opening and secured to the outer surface of the said side of the box beyond one edge only of the opening and provided with a score located at the said edge of the opening, said flap adapted to lie directly against the outer surface of the box when the closure is closed, a strip secured at its intermediate portion to the intermediate portion of the flap at the inner surface thereof and within the free edges thereof and having bendable end wings engageable with the inner surfaces of the side of the box beyond the edge of the opening, said wings adapted to lie directly against the inner surface of the box when the closure is closed, the intermediate portion of the said

strip which is secured to the flap being approximately of the same area as the opening and having one edge located at the score of the flap, whereby when the strip is closed in
5 the opening and the flap is closed over the opening an anti-sifting closure for the box is had.

In testimony whereof I affix my signature in presence of two witnesses.

ANTHONY J. SCHINDLER.

Witnesses:

MADELEINE MICHEL,
JAMES F. DUHAMEL.