

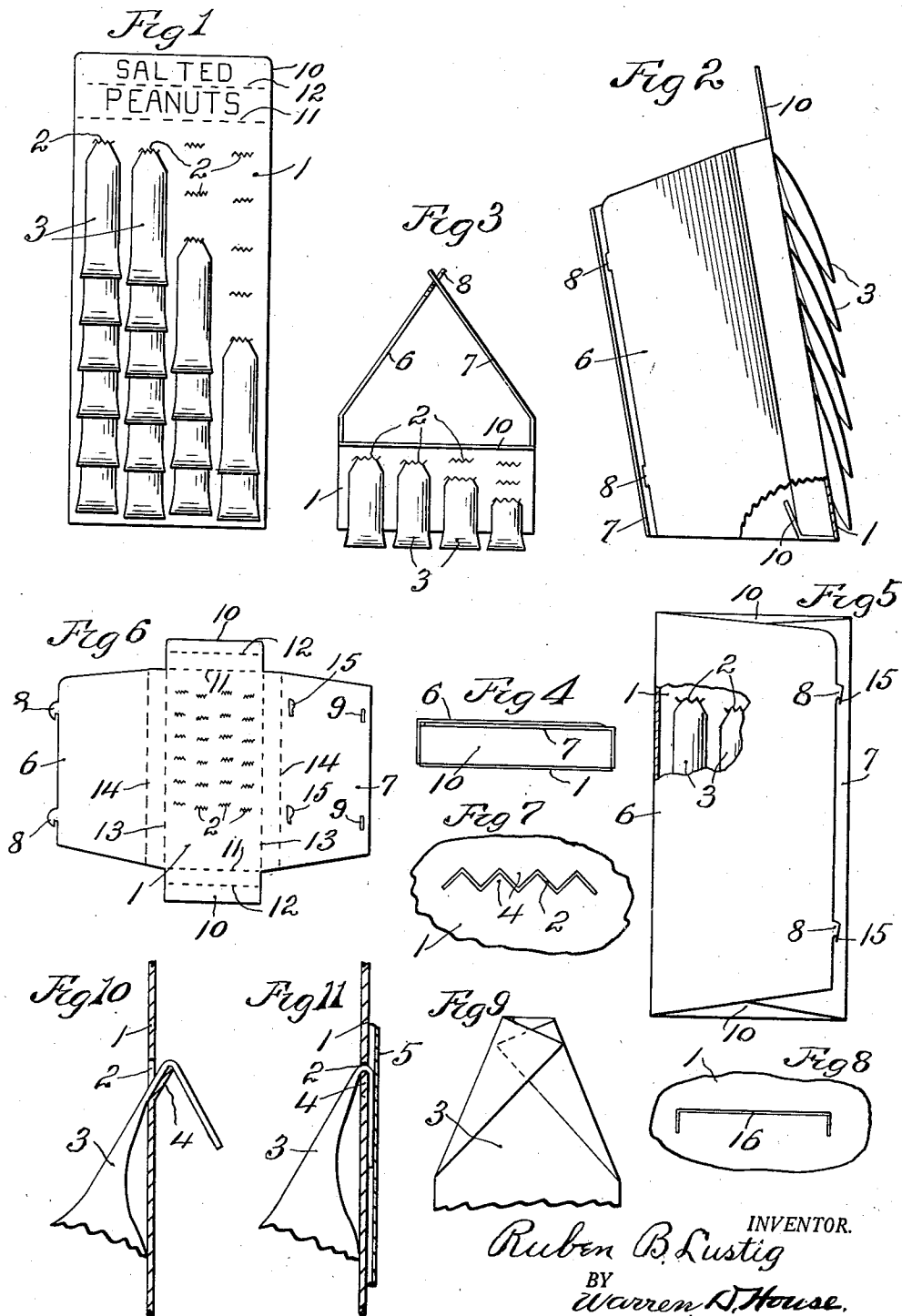
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DISPLAY APPARATUS

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## UNITED STATES PATENT OFFICE

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## DISPLAY APPARATUS

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2 Claims. (Cl. 206—79)

My invention relates to improvements in display apparatus. It is particularly adapted for use in the advantageous display of small bags containing merchandise, such as peanuts, candies and the like which are dispensed in small quantities.

One of the objects of my invention is the provision of a novel apparatus for the display of bags of merchandise, which supports the bags, holds their open ends securely and tightly closed, and displays the bags in an attractive manner.

A further object of my invention is to provide an apparatus which is simple, cheap, not likely to get out of order, and which, when not in use can be formed into a carton enclosing the bags of merchandise.

The novel features of my invention are hereinafter fully described and claimed.

In the accompanying drawing which illustrates my invention,

Fig. 1 is a front elevation of my improved display apparatus shown in its display form.

Fig. 2 is a side elevation, partly broken away, of the same.

Fig. 3 is a top view of the same.

Fig. 4 is an end view of the apparatus folded to the form of a carton.

Fig. 5 is a plan view, partly broken away, of the apparatus in the form of a carton.

Fig. 6 is a plan view of the blank from which the bag supporting carton is formed, reduced.

Fig. 7 is an enlarged view of part of the sheet, showing one of the slits having serrated edges.

Fig. 8 is a view similar to Fig. 7, showing another form of slit, for receiving a bag.

Fig. 9 is an enlarged plan view of an open end portion of a bag folded and ready for insertion through one of the slits in the bag supporting sheet.

Fig. 10 is an enlarged view showing a portion of the bag supporting sheet in vertical section, with the lower edge portion of one of the slits bent rearwardly, and showing in elevation the open end portion of a bag extended through the slit.

Fig. 11 is a view similar to Fig. 10, showing the lower edge portion of the slit as being forced back into the plane of the sheet, so as to compress and hold closed the upper end portion of the bag, and showing such end portion folded against the rear side of the sheet, where it is shown held by an overlying fastening strip attached to the rear side of the sheet.

Similar reference characters designate similar parts in the different views.

1 designates the bag holding sheet of relatively stiff bendable material, preferably cardboard, although sheet metal, such as aluminum, brass or steel might, in some instances be used to advantage.

The sheet 1 is provided with slits 2, which, as shown in Figs. 1, 3, 5, 6 and 7 are disposed transversely and have their opposite edges serrated, portions of one edge portion being interposed between portions of the opposite edge, as is best shown in Fig. 7.

The bags 3 to be displayed, contain the merchandise to be vended, such as peanuts, candy, nuts, etc., and have their upper open end portions folded to tapering form, as best shown in Fig. 9, such folded end portions being inserted rearwardly through the slits 2 respectively and then bent downwardly, as shown in Fig. 10.

Upon the insertion of the bags through the slits, the lower edge portion of the slits are bent rearwardly out of the plane of the sheet 1, as shown in Fig. 10. In my improved method of attaching the bags, the said bent lower edge portions of the slits, comprising the teeth 4, are, after the bags have been inserted, forced forwardly to a position in which opposite sides of the open end portions of the bags 3 are compressed and crinkled and thus held tightly closed by the teeth 4, as shown in Fig. 11.

A strip 5 of flexible material, such as paper, may then be extended over the open end portions of the bags at the rear of the sheet and the strip then glued or cemented to the rear side of the sheet 1, as shown in Fig. 11, thus holding such end portions of the bags folded against the rear side of the sheet 1, the strip 5, however, not being glued or cemented to the bags.

The bags 3 thus attached to and supported in a hanging position on the sheet 1, preferably with the upper transverse rows overlapping the next lower rows, are disposed for advantageous display, when the sheet is supported in an inclined position, as shown in Fig. 2.

For so supporting the sheet 1, it is provided at its side edges with flaps 6 and 7, opposite edges of which converge outwardly. The flaps 6 and 7 are bent rearwardly and then toward each other, being fastened together at their rear edges by means of tongues 8 at the outer edge of the flap 6, which tongues are inserted through slots 9 in the flap 7 adjacent to the outer edge thereof, as shown in Figs. 3 and 6.

A bag may be detached from the sheet 1 by merely pulling the inserted open end portion of

the bag through the slit in which said end portion is disposed.

To enable the apparatus to be formed into a closed carton for enveloping the bags 3, for storage or shipment, the sheet 1 is provided at its ends respectively with end flaps 10, Figs. 2, 4 and 6, transverse creases being provided, as designated by the dotted lines 11, where the flaps 10 join the body 1 of the sheet. Intermediate of the creases 11 and the outer ends of the flaps 10 are creases designated by 12 in Fig. 6.

Longitudinal creases are provided where the flaps 6 and 7 join the body 1 of the sheet, as designated by 13 on Fig. 6. Intermediate of the creases 13 and the outer edges of the flaps 6 and 7 are provided longitudinal creases designated by 14 in Fig. 6.

To form the carton, after the bags 3 have been attached to the body 1 of the sheet, the flaps 6 and 7 are bent forwardly along the creases 13, and then inwardly along the creases 14, so that the flap 6 overlaps the outside of the flap 7 in which position the flaps 6 and 7 are fastened together by inserting the hooked tongues 8 through slots 15 respectively provided in the flap 7 adjacent to the crease 14 therein. The end flaps 10 are then folded forwardly along the creases 11 and then inwardly along the creases 12, the extreme end portions of the flaps 10, then being inserted at the inner side of the flap 7, thus completing the closed carton, shown in Figs. 4 and 5.

In Fig. 8, the slit, designated by 16, is of inverted U shape. In attaching a bag 3, the open end portion is inserted through the horizontal

portion of the slit 16, the lower portion of which is bent rearwardly to permit such insertion, after which said lower portion is forced back so as to have the bag engaged at its opposite sides and held compressed and closed by the opposite edges of the slit 16.

Various modifications of my invention, within the scope of the appended claims, may be made without departing from the spirit of my invention.

What I claim is:—

1. A bag display apparatus comprising a sheet of relatively stiff bendable material having a slit opposite edge portions of which are serrated, the teeth of one edge being interposed between the teeth of the other edge, and a bag having its open end portion inserted through said slit, the teeth of opposite edges of said slit being substantially aligned with each other and holding said open end portion crinkled and tightly compressed.

2. A bag display apparatus comprising a sheet of relatively stiff bendable material having a slit opposite edge portions of which are serrated, the teeth of one edge being interposed between the teeth of the other edge, a bag having its open end portion inserted through said slit and bent flatwise against said sheet, the teeth of opposite edges of said slit being substantially aligned with each other and holding said open end portion crinkled and tightly compressed, and a member attached to said sheet and extending across and engaging and holding said open end portion against said sheet.

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