Jan. 18, 1944. G. W. GLASS 2,339,555

SPARK PLUG PACKING CASE

Filed Dec. 18, 1941

Fig. 1

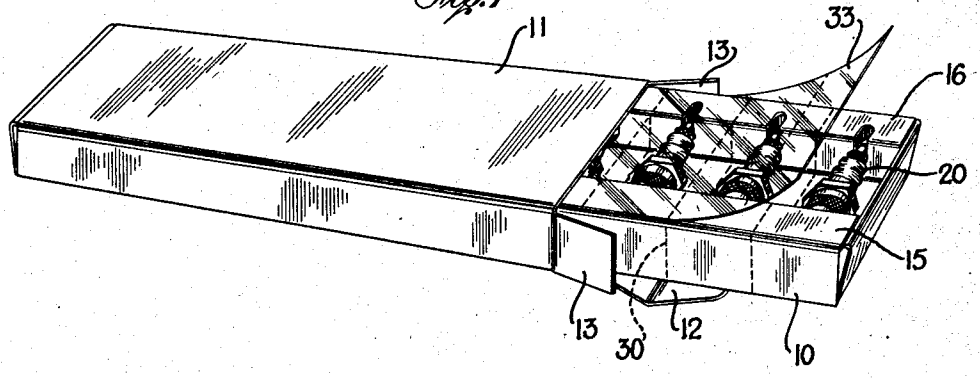


Fig. 2

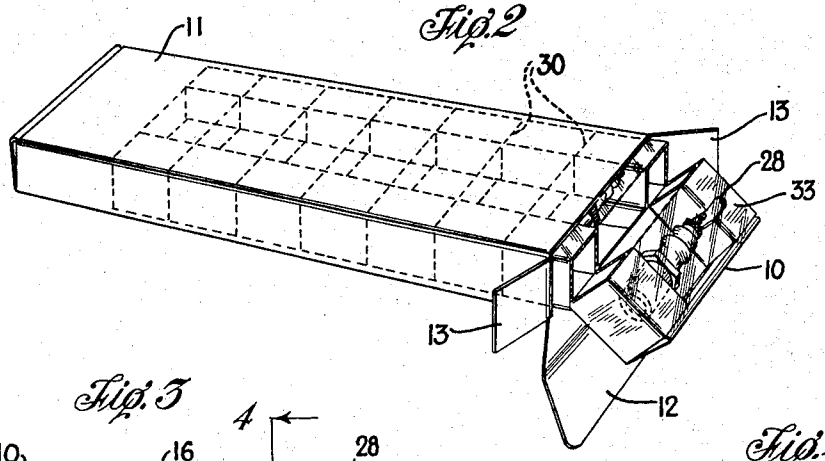


Fig. 3

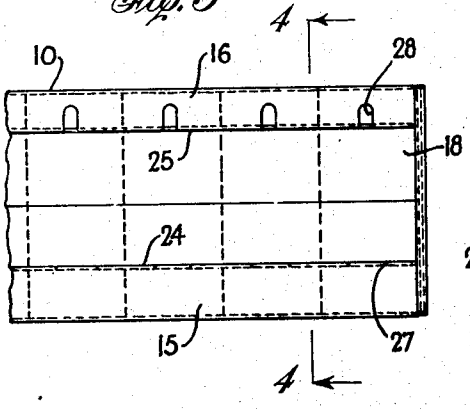


Fig. 4

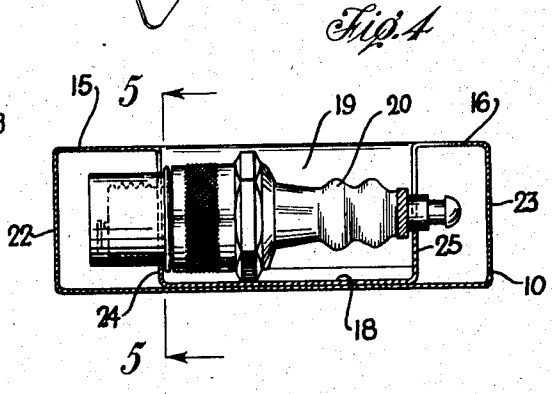
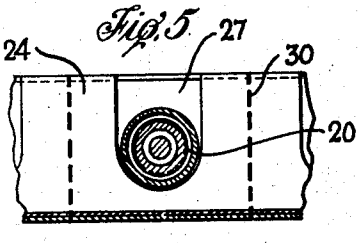


Fig. 5



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SPARK PLUG PACKING CASE

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Application December 18, 1941, Serial No. 423,403

2 Claims. (Cl. 206—46)

This invention relates to merchandising cartons.

An important object of the invention resides in the provision of an improved carton particularly adapted for the merchandising and display of articles such as spark plugs.

More specifically it is an object to provide in a carton of the type wherein an article receiving tray is telescopically engageable with an enclosing cover, means for protecting articles from dust and dirt when the tray is removed from its cover, the articles being viewable through a transparent tray portion.

Another object of the invention is to provide the tray portion of a carton of the above type with means permitting easy detachment of normally joined article containing portions.

Still other objects will become apparent to persons skilled in the art upon examination of the drawing, description, and claims appended hereto.

In the drawing:

Fig. 1 shows in perspective a merchandise carton having the invention incorporated therein.

Fig. 2 is a perspective view of the carton shown in Fig. 1, illustrating an article containing tray section partially detached from the remaining tray portion.

Fig. 3 illustrates in plan one end of the merchandise tray of the device of Figs. 1 and 2.

Fig. 4 is a section along the lines of 4—4, Fig. 3.

Fig. 5 is a section along the lines of 5—5, Fig. 4.

Like parts are identified by the same numerals throughout the specification.

The invention is illustrated, incorporated in an elongated carton comprising a tray portion 10, U-shape in cross section, and a box-like cover 11, rectangular in cross section, into one end of which tray 10 telescopes, preferably in snug fit relation thereto.

The carton is preferably constructed of paper board or the like, but it is immaterial as to what material is used for cover 11 it being necessary, however, that a fibrous-like material be employed for the construction of the tray 10. Cover 11 has at least one end provided with a conventional side flap 12 and a pair of end flaps 13 to provide a removable closure for the end.

Tray 10 is preferably formed from a single blank of paper board, suitably cut, folded and glued to provide a tray having upstanding side wall portions 15 and 16 and a depressed center portion 18 to provide a well 19 for reception of articles such as a spark plug 20. Side wall portions 15 and 16 comprise outer walls 22, 23 and inner walls 24, 25, parallel therewith and spaced therefrom. The inner walls 24 and 25 are provided with suitable apertures 27 and 28, aligned transversely of the tray, and preferably upwardly open, for the reception of opposite termini of articles such as a spark plug 20.

Tray 10 is divided longitudinally thereof into plural areas defined by transverse score lines 30 each of said areas being provided centrally thereof with a pair of aligned article receiving apertures, above described. It is clearly shown in Fig. 2 that score lines 30 are provided throughout all the tray wall portions. The paper board blank ultimately forming tray 10 is preferably provided with parallel rouletted lines as part of the stamping operation. Upon assembly of the tray, the score lines in the top, bottom and side walls of the tray, between each section, fall within a common plane, whereby to permit an operator to easily sever one tray portion, and the article contained therein, from the remaining joined tray portions by tearing the individual portion along the weakened lines of fracture, preferably when the tray is in the position shown in Fig. 2, with only one such portion completely extending from cover 11.

Tray 10 is preferably individually closed to air and dirt after the articles have been disposed therein, by application of a thin sheet 33 of transparent material such as Cellophane, glassine, or the like. Sheet 33 is preferably cemented to the upper surface of wall portions 15 and 16, the sheet being also transversely rouletted, the perforations thereof being aligned with each sheet of perforations across tray 10. The transparent sheet permits display of the articles within tray 10 with cover 11 removed, and it further serves to strengthen each individual section of the tray to minimize distortion thereof during the severing operation. The sheet 33, being also of frangible material, is readily severable along the score line aligned with the perforated portion of tray 10 being disconnected.

While the present invention has been described and illustrated as incorporated in a carton of elongated form, it is apparent that this limitation is not essential and that the invention taught herein is susceptible to incorporation in cartons of other types without departing from the spirit and scope of the invention.

I claim:

1. A merchandise carton having in combina-

tion, an elongated article supporting tray provided with upstanding hollow side portions and a center well, said side portions being notched for the reception of end portions of elongated articles positioned within said well to extend transversely thereof, and a box-like cover into which said tray may be slidably disposed, said tray being provided with plural weakened areas intermediate the article receiving notches, and a sheet of frangible transparent material applied over said tray to enclose the articles therein, said sheet being provided with weakened areas, the weakened areas of said tray and said sheet being confined within a common plane between each article, whereby to provide easy severance of one tray and its article.

2. A merchandise display carton comprising an elongated box and means for opening an end wall thereof, an elongated tray slidably receivable within the box when said end wall is opened, said tray having a pair of upwardly extending hollow side members extending the length thereof, to provide an elongated channel therebetween, the inner walls of said side portions being provided with slots equally spaced longitudinally of the tray, the slots in one wall being in transverse alignment with the slots in the opposite wall for the reception of elongated articles positioned transversely of the tray, said tray being provided with score lines equally spaced longitudinally thereof midway between said slots, said score lines extending through the tray walls within a plane right angularly disposed to the general plane fo the tray.

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