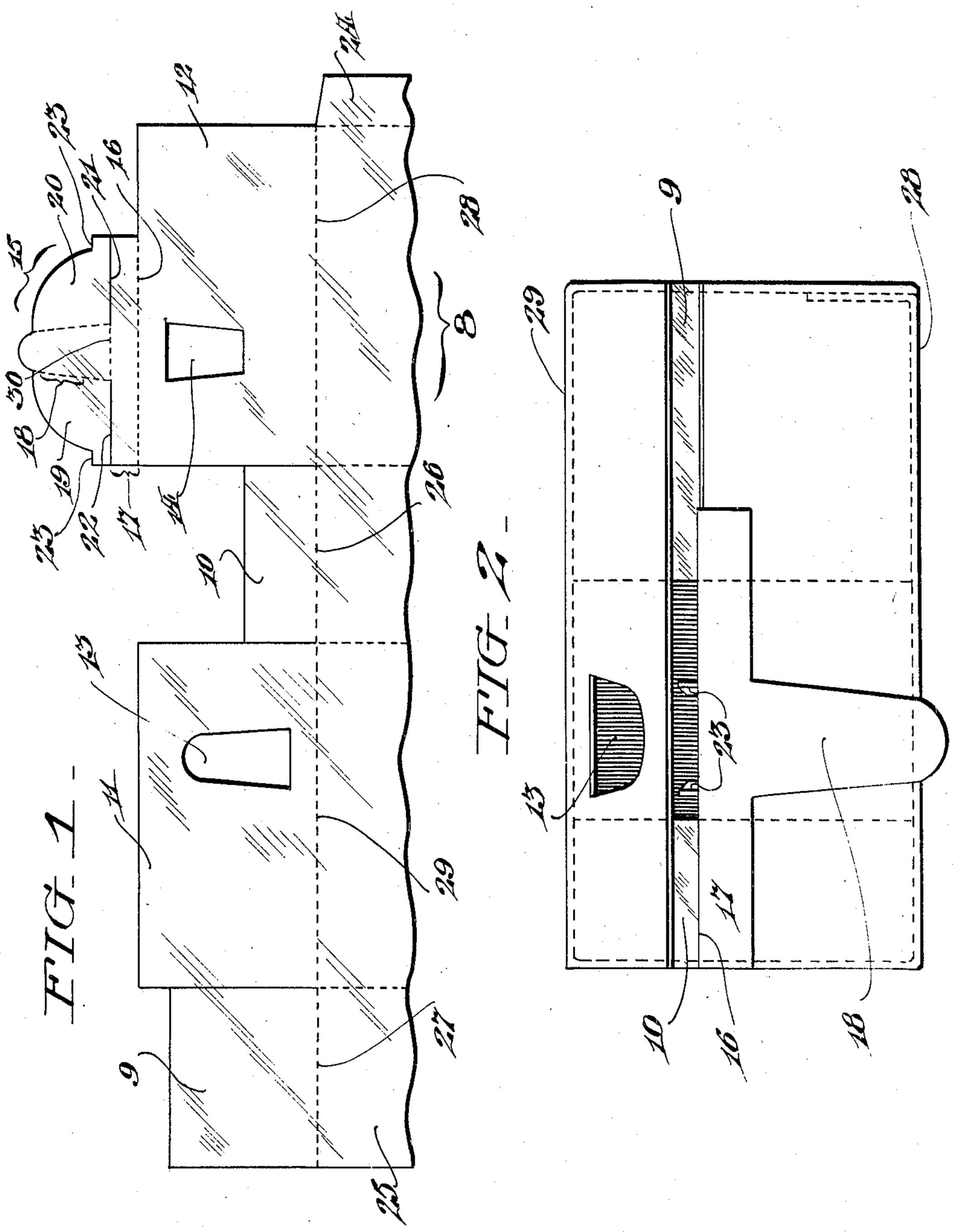
G. T. WOOD

CARTON

Filed April 7, 1927

3 Sheets-Sheet 1



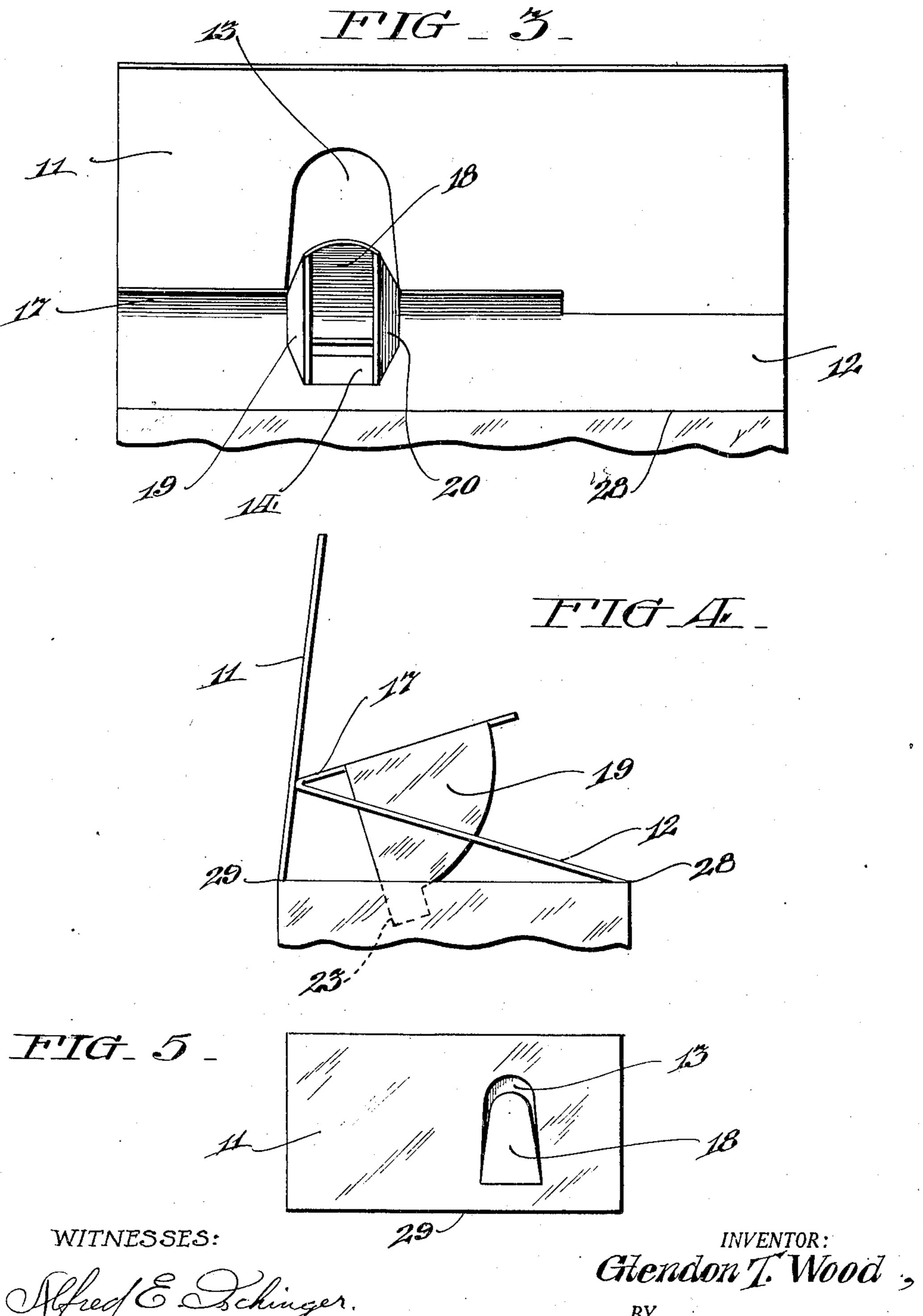
WITNESSES:

Allred & Schinger. Evelyn Crompton INVENTOR:
Glendon L. Wood,

BY forhual EHHOTHE ATTORNEY. CARTON

Filed April 7, 1927

3 Sheets-Sheet 2



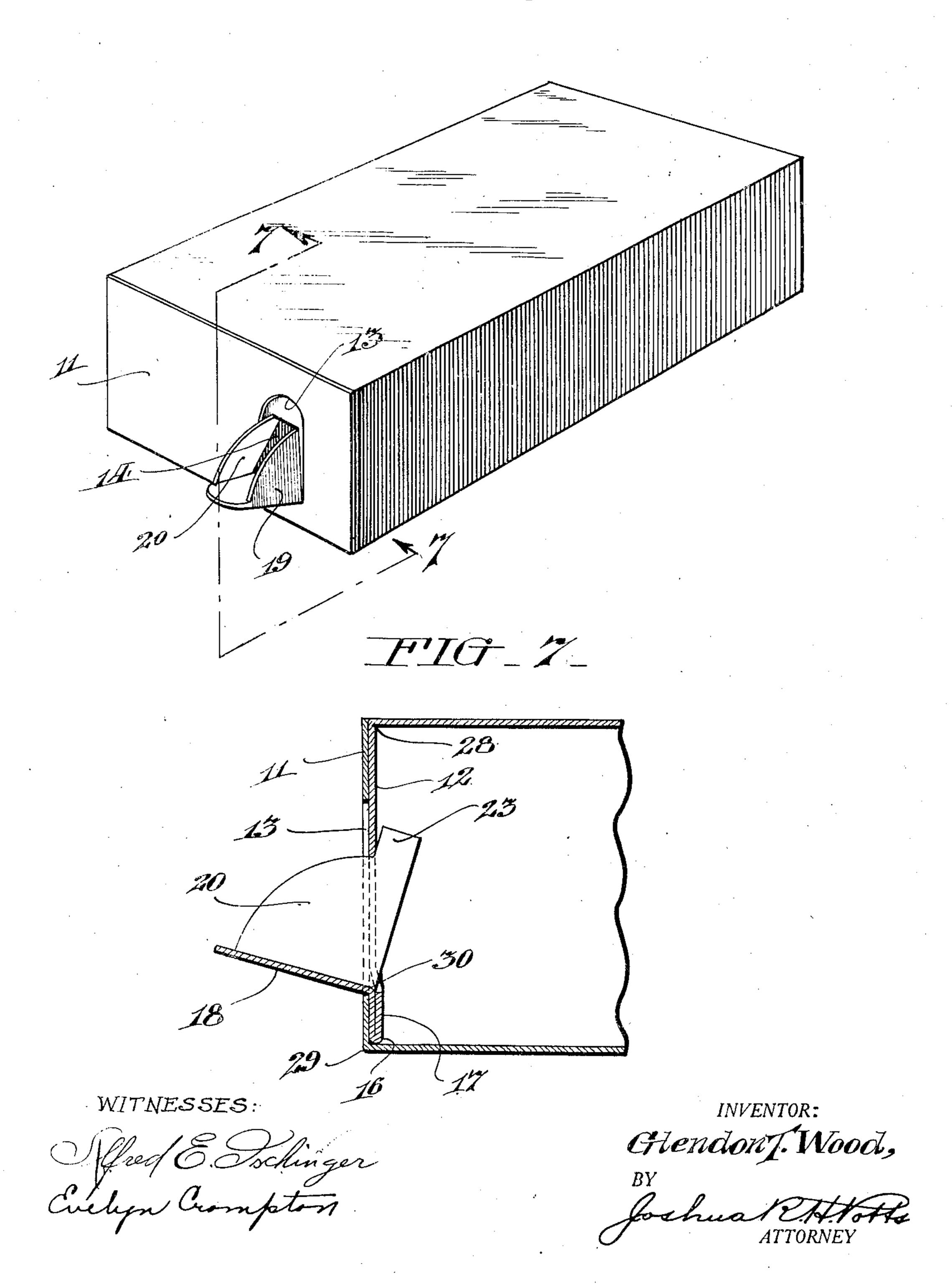
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FIG-6.



UNITED STATES PATENT OFFICE.

GLENDON T. WOOD, OF PHILADELPHIA, PENNSYLVANIA.

CARTON.

Application filed April 7, 1927. Serial No. 181,634.

This invention relates to cartons or con- arrangement of the covers and the position tainers, and more particularly to containers stamped or formed from a single sheet of material.

The object of the invention is to provide a means and method of constructing a container from a piece of pliable material or material adapted to be folded, whose design contemplates the formation of a spout when 10 the container is assembled.

A feature of the invention resides in the and for limiting its outward movement. provision of an extension to a portion of Considering all the drawings simultanematerial adapted to serve as a cover for a ously, similar designations referring to simicontainer, said extension being patterned to lar parts, numeral 8 is a sheet of cardboard, 15 hinge on the cover portion, a portion of the the scored lines thereon indicating points 70 extension forming a material chute adapted whereat the sheet is adapted to be folded to to register with a corresponding opening in the cover portion.

A further feature is the provision of a 20 second cover portion having an opening adapted to fit over said chute formed into hinge at a second point and project

one hinging point may be provided.

Another feature provides means for formbeyond the covers of the container, so that for various purposes containers of a certain size may be provided with spouts having different rates of flow, depending upon the extent that the chute or spout is allowed to project outwardly. The spout, which may be considered part of the cover when not in use, is thus prevented from being displaced. This also makes for more accurate and easy filling of smaller receptacles, especially those with narrow necks or small openings.

Other features and objects will be apparent from the following description, read in conjunction with the accompanying draw-

ings in which:—

45 embodiment of my invention on a sheet of cardboard adapted to form a carton. Only the top portion of the carton pattern is illustrated.

Figure 2 is a plan view of the carton patso tern of Figure 1 in assembled form, prior to

folding of the cover portions.

Figure 3 shows the manner of folding the covers, and is a front view of the illustration of Figure 4.

Figure 4 is a side elevation, showing the

of the chute of Figure 3.

Figure 5 is a plan view, showing the covers

in closed position.

Figure 6 is a perspective view of a car- 60 ton incorporating the invention, showing the

chute or spout in open position.

Figure 7 is a cross section taken on line 7—7 of Figure 6 and illustrates the means for preventing displacement of the spout, 65

form a container. The solid lines indicate where the sheet is cut to form the necessary flaps and cover portions of required size.

Flaps 9 and 10 and cover portions 11 and 75 12 are produced in one operation by any tegral with the first cover portion. The well known cutting and stamping means. chute, when in open position, is then adapted Extension 15 is formed integral with cover portion 12. The same operation cuts openthrough the second cover. If desired, but ings 13 and 14 in cover portions 11 and 12 80 and scores the material indicated to enable forming the carton and material chute. As ing the spout to project a desired distance is evident, the formation comprises a single

sheet of material. Considering extension 15, scored line 16 85 forms a hinge for portion 17 having tongue 18. Tongue 18 serves as the bottom of the spout or chute. Portions 19 and 20 are the sides of the chute, lines 21 and 22 indicating the points where the sides are cut from 90 portion 17, to enable them to be bent along the scored lines of tongue 18 to form a chute with tongue 18. The outer edges of sides 19 and 20 are curved and designed to form projections 23 which act as stops and limit 95

the outward swing of the spout. The assembly of the container is effected as follows: The material is folded along the Figure 1 is a fragmentary plan view of an scored lines and portion 24 attached in any suitable manner to side 25, thus forming the 100 four sides of the container. Flap 10 is folded along line 26 and flap 9 along line 27, as is usual. The length of flaps 9 and 10 is such that they do not extend beyond openings 13 and 14. Consequently, there is 105 no interference with the passage of material through openings 13 and 14, while practically the same reinforcement is obtained. Cover portion 12 is then folded along scored line 28 and the spout formed from 110

extension 15 before portion 11 is folded terations as fairly come within the scope of 60 along line 29 to act as a top cover.

The spout is formed by folding the extension along scored line 16 toward the outer 5 side of the cover portion 12, sides 19 and 20 being folded along their scored lines also outwardly. Sides 19 and 20 are then inserted within opening 14, the tongue 18 fitting without the opening. Top cover 11 is 10 then folded on top of cover 12. Since open-15 Figure 1. This acts as a hinge for the folded on the first cover piece in a position tongue.

20 20 fit within opening 14, parts 23 acting as cover pieces, an opening through one of the cover 11 is larger than the tongue and allows tremity of the opening in the second cover

30 15, without disturbing the rest of the carton rection to project through the opening in forming apparatus. This is very advanta- the first cover piece. geous, since popular sized cartons may thus

3. A container made of a single piece of be adapted to be used for various purposes. material having a cover with an opening st slightly if a large extension is provided, as adapted to register with the first opening, where small quantities are discharged at a ranged to form a hinged spout, the extension time. A larger opening, as the one illus- being positioned between the covers, the bottrated, is desirable for other products as tom of said spout being larger than the opencoarse salt, ground coffee, etc. The projec- ing in the second cover and smaller than the

over opening 13 on the outer cover to prevent rest when in disuse on the second cover. accidental opening of the spout. The fric- 4. A container consisting of a single piece 45 tion of the sides against the edges of opening 14 will ordinarily prevent accidental displacement.

It is apparent that the same principle may be employed in round or other forms of sembly of a stamped sheet of material.

st stood that modifications may be made with- opening and being swingable on a part of out departing from the spirit thereof, and the extension positioned between the covers. 115 hence I do not limit myself to the precise construction set forth, but consider that I name to this specification. am at liberty to make such changes and al-GLENDON T. WOOD.

the appended claims.

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

1. A piece of material in the form of a 65 container comprising side pieces and cover pieces, an extension on one of said cover pieces, the line therebetween acting as a hinge, portions of said extension adapted to ing 13 is larger than tongue 18 as is shown in be folded to form a spout and swing through 70 Figure 5, the spout may be projected out- said cover piece and an opening in the other wardly on the line 30, forming the interme- cover piece at a second point on said extendiate connection of cut lines 21 and 22 of sion serving as a hinge, said extension being between the cover pieces.

Figure 7 best shows the relative position 2. A container consisting of a single piece of the parts. Cover 12 is innermost. Por- of material formed into side pieces, two tion 17 is hinged on line 16. Sides 19 and cover pieces and an extension on one of said stops to limit the outward movement of the cover pieces, an opening in the second cover 80 chute or spout. Tongue 18 is larger than piece, said extension being folded at the exopening 14 and hence cannot fall or be dis- tremity of the second cover piece and folded placed within the carton. Hole 13 in outer again whereby the second fold is at an exthe tongue to swing outwardly therethrough. piece, said extension being arranged to form 85 It is evident that projections 23 may be a spout adapted to swing on said second fold made of any size, merely by adjusting the in one direction to close the opening in the cutting die for the outer edges of extension second cover piece, and in the opposite di-

The spout can therefore be made to project therein, a second cover with an opening would be desirable in a container for spices, said second cover having an extension ar- 95 tions are therefore made very small. opening in the first cover so that it may be 100 If desired, a paster or label may be placed manually swung through the first cover and

of material having a cover with an opening therein; a second cover having an opening 105 therein adapted to register with the first opening and having an extension arranged to form a hinged spout, the bottom of said cartons, the various parts and openings be- spout being larger than the opening in the ing arranged to form a spout upon the as- second cover and smaller than the opening 110 in the first cover, the spout being accessible While I have described my invention as through the first opening, and having means taking a particular form, it will be under- to limit its movement through the second

In testimony whereof I have signed my