

May 5, 1925.

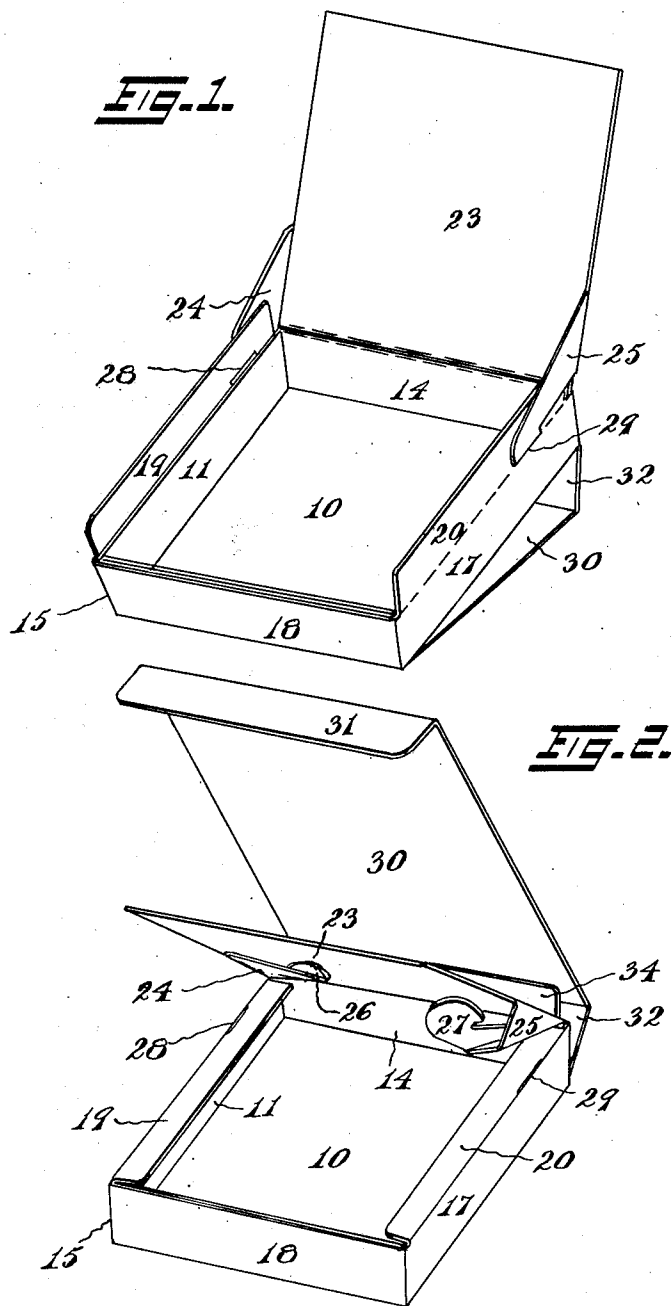
1,536,950

E. O. TINSLEY

FOLDING DISPLAY CONTAINER

Filed Feb. 28, 1922

3 Sheets-Sheet 1



Witnesses:

H. D. Penney

Inventor:

Edward O. Tinsley,
By his Att'y, F. W. Richards.

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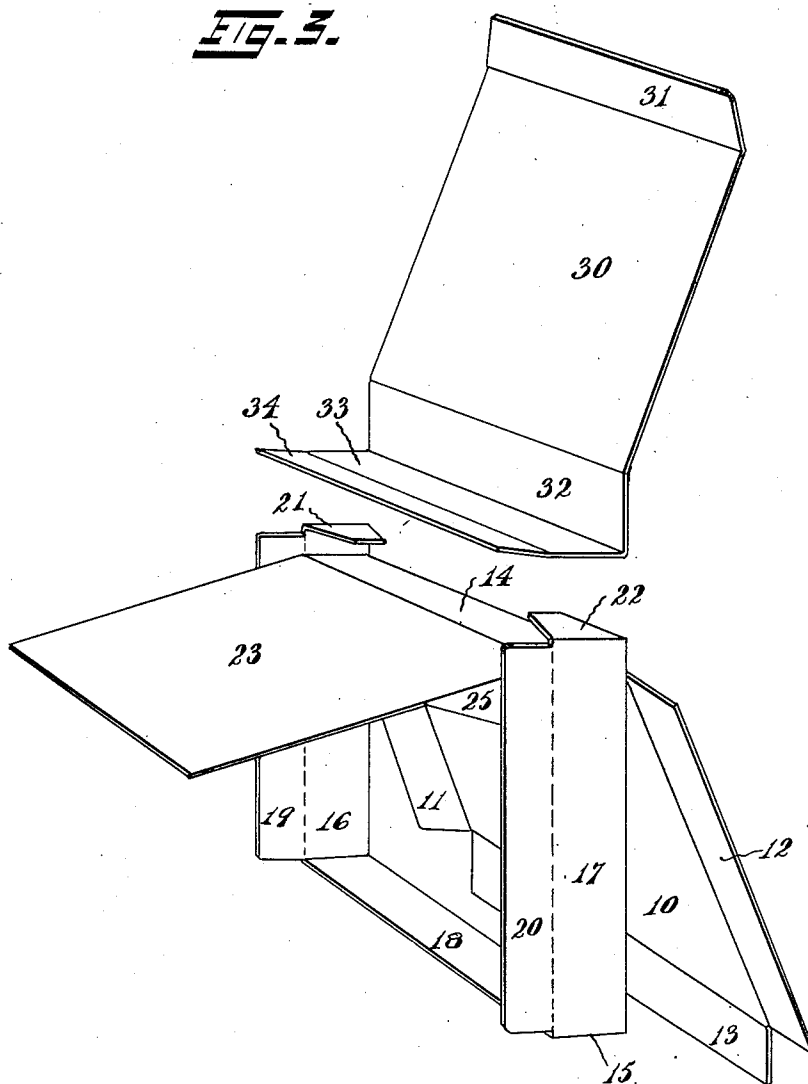
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3 Sheets-Sheet 2

FIG. 3.



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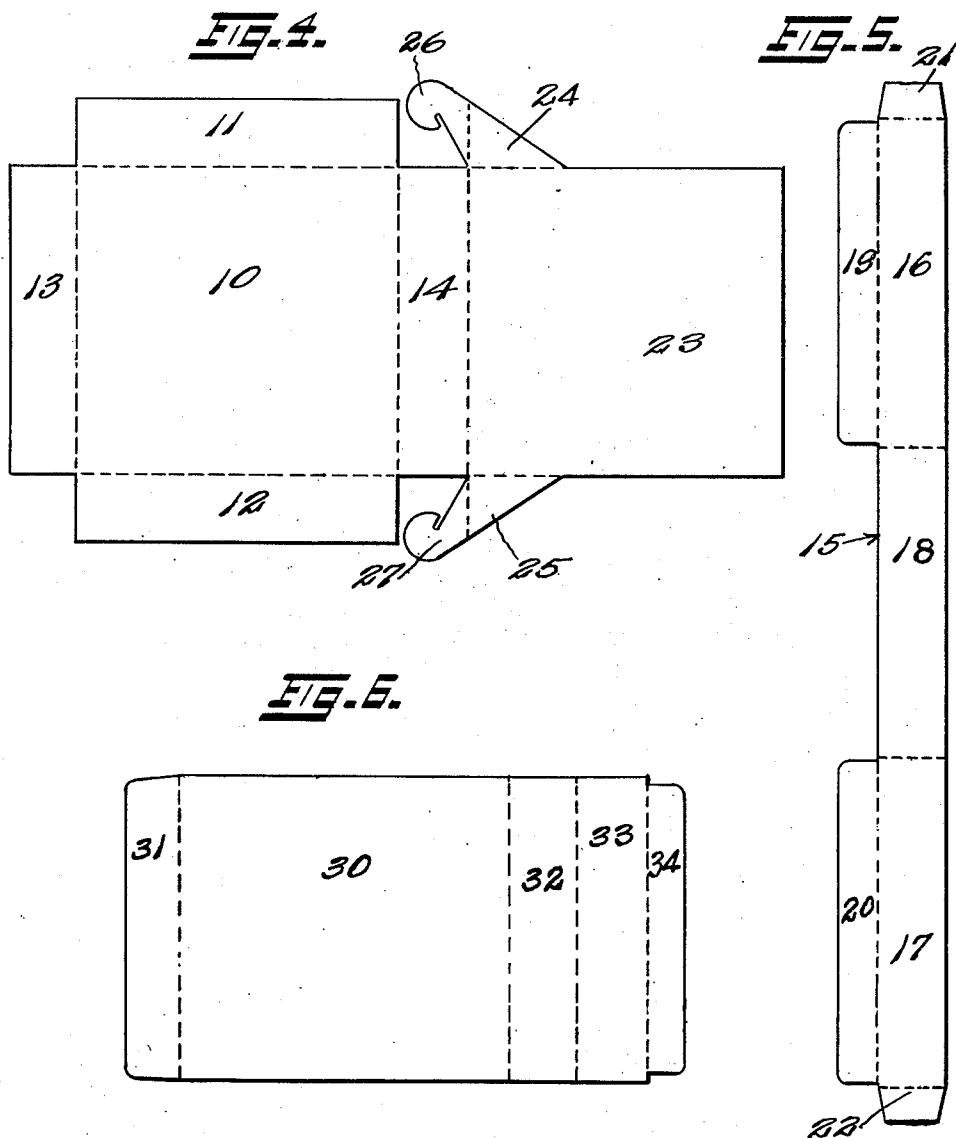
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Witnesses:

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Patented May 5, 1925.

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UNITED STATES PATENT OFFICE.

EDWARD O. TINSLEY, OF BROOKLYN, NEW YORK, ASSIGNOR TO ROBERT GAIR COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

FOLDING DISPLAY CONTAINER.

Application filed February 28, 1922. Serial No. 539,835.

To all whom it may concern:

Be it known that I, EDWARD O. TINSLEY, a citizen of the United States, residing in Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Folding Display Containers, of which the following is a specification.

The present invention relates to display containers, and more especially to display containers which are formed by folding flexible material such as cardboard, certain parts of the present invention however being separate from other parts prior to assembling the parts in operative folded relation, the separate parts being attachable to the other parts, as by staples, gluing, pasting or the like, the parts comprising the containers, or the blanks from which the parts are formed being capable of shipment in detached, flat and unfolded condition for convenience, and being readily secured together and folded in container form.

One object of the invention is to provide a container which when in display position has a neat and attractive appearance, and which when in closed, goods-containing form has an equally attractive appearance, and in addition is of unusual compactness, rigidity and durability.

Another object is to provide a container having a receptacle portion provided with means for preventing gaping or bulging of the receptacle portion at its sides.

Another object is to provide a container having a receptacle portion provided with a tensioning or binding band separate from the receptacle portion and attachable thereto and extending therearound on three sides and forming with the single piece side walls and the single piece front wall of the receptacle portion, double side walls and double front walls for the receptacle portion.

Another object is to provide a container having a receptacle portion provided with a cover separate from the receptacle portion having a portion attachable to the receptacle portion and forming with the one piece rear wall of the receptacle portion double rear walls for the receptacle portion.

Another object is to provide a container

having a receptacle portion and a cover, the cover being separate from the receptacle portion and having an attachable portion which forms, with the one piece rear wall of the receptacle portion, double rear walls for the receptacle portion, and having between said attachable portion and the cover portion proper of the cover a portion for permitting the cover to be extended for covering the receptacle portion when in closed condition, or to be arranged as an easel rest for the receptacle portion for supporting the open container in display position.

Another object is to provide a container having a display cover and means for locking the display cover in display position.

Another object is to provide a container the parts or elements of which are formed from blanks of simple and uncomplicated shape, which may be easily prepared or cut from suitable material without waste and loss of the material.

I attain the above objects by the invention, one embodiment of which is described by way of example in the subjoined specification and shown in the accompanying drawings which form part of the specification, in which Figure 1 is a perspective view of the assembled container in open display position.

Figure 2, is a perspective view of the assembled container in partially open position.

Figure 3, is a perspective view of parts of the container in unassembled but related position, and

Figures 4, 5 and 6 are views of blanks for forming the parts of the container by folding the blanks on the scoring thereof.

Similar reference characters denote similar parts throughout the several views.

Referring to Fig. 3, the receptacle portion of the container comprises the bottom 10 having foldably connected thereto the side wall sections 11 and 12 and the front and rear wall sections 13 and 14, the side wall sections being separated or cut at their ends from the front and rear wall sections.

The size of the container is regulated by the size and shape of the bottom 10, which while shown as oblong is not necessarily of this shape, provided it is rectangular. The length of the side wall and front and rear

5 wall sections is the length of the sides and front and rear of the bottom 10, and the height or width of the side wall and front and rear wall sections is the same for them all, being the desired depth of the receptacle portion.

10 The tensioning or binding band 15 is a three sided part or member, the opposed sides 16 and 17 and front side 18 of which are of suitable relative length when combined to extend around and bindably enclose the side wall sections 11 and 12 and front wall section 13 of the receptacle portion when these side wall and front wall sections are in operative position and the band 15 is operatively secured in the container as later stated. The opposed sides 16 and 17 of the band 15 have foldably connected thereto the supplemental covering, or bulge preventing sections 19 and 20, of substantially the same length as these sides and in width substantially one half the width of these sides. The opposed sides 16 and 17 of the band 15 from the bottom edge thereof to the line of foldable connection to the supplemental covering sections 19 and 20, and the front side 18 of the band 15, are all of the same height or width, that is, substantially the height or width of the side wall sections 11 and 12 and the front wall section 13 of the receptacle portion. The opposed sides 16 and 17 of the band 15 have at their disconnected or free ends the attaching means or tabs 21 and 22 the purpose of which is later stated.

35 The display cover comprises the cover section 23 which is foldably connected to the rear wall section 14 of the bottom 10 of the receptacle portion, and the locking supporting braces 24 and 25, Figs. 1, 2 and 3, which are foldably connected to the cover section 23 at its lower end at the sides thereof, these braces being provided with the locking ends 26 and 27 engageable, in the slits 28 and 29 in the supplemental covering sections 19 and 20. The cover section 23 is of the size of the bottom 10 of the receptacle portion. The supporting braces 24 and 25 are foldable as shown by 25 in Fig. 2, for arrangement as shown by 24, same figure, to lie flat against the under or front side of the cover section 23 when the display cover is in covering position, and are unfoldable, or extensible, for arrangement as locking supporting braces as shown in Fig. 1, when the display cover is in display position.

50 The outer cover is a separate member and comprises the covering section 30, the insertable flap section 31, the extension section 32, the attachment section 33, and the back rest section 34.

65 The covering section 30 in length is the same as the bottom section 10 of the receptacle portion, but its width preferably is slightly greater than the width of the sec-

tion 10. The insertable flap section 31 is foldably connected to the covering section at the upper or front end thereof. The insertable flap section is long and narrow in form, its length being the width of the covering section 30 and its depth or width being suitable for the insertion of the flap between the front wall 13 of the receptacle portion and the front side 18 of the tensioning or binding band 15 when the parts of the container are in operative relation, the ends of the flap when so inserted, because of its length being slightly greater than the width of the bottom section 10, snugly engaging or contacting with the inner faces of the sides 16 and 17 of the band 15, this engagement and the depth of insertion of the flap holding the outer cover securely but releasably in covering position over the receptacle portion.

The extension section 32 is foldably connected to the covering section 30 at the lower end thereof and in length is the width of the covering section, and in width is the height or width of the rear wall section 14 of the receptacle portion.

The attachment section 33 is foldably connected to the extension section 32 and its length and width are the same as the extension section.

The back rest section 34 is foldably connected to the attachment section 33 and its length is the width of the attachment section, its width or height being suitable for providing support for the display cover at the rear thereof.

Assembling and operating: The parts being in the detached relation to each other shown in Fig. 3, the front and rear wall sections 13 and 14 and side wall sections 11 and 12 of the receptacle portion are bent into upright position; the tensioning or binding band 15 is passed around the side wall sections 11 and 12 and front wall section 13 of the receptacle portion, the attachment or securing tabs 24 and 25 of the band 15 being brought into proximity with the rear side of the rear wall section 14 of the receptacle portion at the ends of the wall, the band thereby enclosing the receptacle portion on three of its sides; the rear or under side of the attachment section 33 of the outer cover, as the outer cover is shown in Fig. 3, is brought into proximity with said attaching or securing tabs and into conforming or covering engagement with the rear side of the rear wall section 14, the tabs being securely fastened between said attachment section and said rear wall section, so that the receptacle portion is snugly embraced or enclosed on three of its sides by the tensioning band, the tabs being fastened in any suitable manner to attain this result, preferably the tabs, the attachment section and the rear wall section all being

secured together by gluing or pasting. It will be noted that the receptacle portion is thereby provided with double front and double rear walls and double side walls, the double rear walls being substantially integrally fastened together. And, as will be readily understood although not shown, for convenience in gluing or pasting, the tabs 24 and 25, the rear side of the rear wall section 14 and the rear or under side of the attachment section 33 may be dry gum or glue coated whereby the parts may be simply moistened for securing them together. It will also be noted that the outer cover is secured in free hanging relation to the receptacle portion, and that the back rest section 34 of the outer cover projects upwardly in the rear of the display cover 23.

For closing or sealing the container the supplementary covering sections 19 and 20 are bent over inwardly to lie substantially at right angles to the upper edges of the sides 16 and 17 of the band 15; the supporting and locking braces 24 and 25, Fig. 2, are arranged to lie flat against the under side of the display cover 23 and this cover is turned down over said braces and supplemental covering sections and over the receptacle portion, and the outer cover is drawn over and extended so that the covering section 30 is over the receptacle portion, the insertable flap section 31 being bent downwardly and tucked into the space between the double front walls of the receptacle portion. It will be noted that the supplemental covering sections 19 and 20, when arranged as above stated, provide additional rigidity to the receptacle portion for preventing bulging or gaping thereof at the sides; provide additional strength for the receptacle portion at the corners thereof; and prevent entrance into the receptacle portion of dust, dirt or other deleterious matter at the side edges of the covers and the sides of the receptacle portion, and prevent entrance of such matter between the double side walls of the receptacle portion.

For arranging the container in display position, the outer cover is withdrawn from insertion in the receptacle portion, and the display cover is brought into upright position, the supporting braces 24 and 25 being unfolded and extended forwardly, the lock ends 26 and 27 being inserted in the slits 28 and 29 of the supplemental covering sections, these ends being located between the double side walls of the receptacle portion and thereby protected, and the display cover being maintained in backwardly inclined position and resting against the back rest section 34. The outer cover is then carried around and under the bottom of the receptacle portion, the extension section 32 conducting to this, and the flap section 31 is bent upwardly and inserted between the double

front walls of the receptacle portion, the receptacle portion thus being supported in inclined display position.

Having thus described my invention, it should be understood that there may be modifications thereof and variations therein without departing from the spirit of the invention or exceeding the scope of the appended claims.

What I claim and desire to protect by Letters Patent is:—

1. A container formed by separate foldable blanks, one of said blanks forming the receptacle portion of the container and the other blank forming a tensioning band for the receptacle portion, the first blank having a bottom section, front and rear wall sections foldably connected to the bottom section along the ends thereof, side wall sections foldably connected to the bottom section along the sides thereof, and a cover section foldably connected along one end to the rear wall section and spaced away from the bottom section by the rear wall section and having foldably connected thereto on each side of one end portion of the cover section locking tabs having lock ends, the second blank having side sections and a front section between the side sections, the side and front sections being the same width as the side and front wall sections of the first blank and in length being substantially the same as the side wall and front wall sections of the first blank, said side sections having aligned side extensions foldably connected to the side sections and having slits in the line of said foldable connections, said side sections having tabs at their outer ends for attachment to the rear wall section of the first blank, said lock ends when said tab ends are so secured being engageable in said slits and said front and side sections then enclosing the receptacle portion on the front and two sides.

2. In a foldably formed container, in association with an outer cover normally for closing the receptacle portion of the container and extensible for forming an inclined rest for the receptacle portion and having means for providing a back rest for a display cover, in combination, separate foldable blanks, one of said blanks forming the receptacle portion of the container and the other blank forming a tensioning band for the receptacle portion, the first blank having a bottom section, front and rear wall sections foldably connected to the bottom section along the ends thereof; side wall sections foldably connected to the bottom section along the sides thereof, and a display cover section foldably connected along one end to the rear wall section and spaced away from the bottom section by the rear wall section and having foldably connected thereto on each side of one end portion of the

cover section locking tabs having lock ends, the second blank having side sections and a front section between the side sections, the side and front sections being the same
 5 width as the side and front wall sections of the first blank and in length being substantially the same as the side wall and front wall sections of the first blank, said side sections having alined side extensions fold-
 10 ably connected to the side sections and having slits in the line of said foldable connection, said side sections having locking tabs at their outer ends for attachment to the rear wall section of the first blank and to said
 15 outer cover, said lock ends when said tab ends are so attached being engageable in said slits and said front and side sections then enclosing the receptacle portion on the front and two sides.

20 3. A blank for forming the receptacle portion and cover of a container by folding the blank on the scorings thereof, said blank having an oblong main portion with narrow rectangular extensions on three sides of a
 25 part thereof; said main portion comprising a bottom section, a covering section and a rear wall section between the bottom and covering sections, the covering section having free-hanging locking tabs at the lower
 30 end thereof at its sides; said extensions adjoining the bottom section on three sides of the bottom section; each extension being free on three of its sides; the extensions providing side wall sections and a front wall
 35 section; the respective sections being defined on the blank by parallel longitudinal and parallel transverse scorings, and the

locking tabs being defined from the covering section by parallel longitudinal scorings and each having a transverse fold-scoring. 40

4. A blank for forming a tensioning band for the receptacle portion of a container by folding the blank on the scorings thereof, said blank being a narrow rectangular strip having attaching tabs at its ends, the strip
 45 comprising side forming sections and a front forming section between the side forming sections, the side forming sections being of the same relative length and longer than the front forming section, the combined length of these sections being suit-
 50 able for enclosing the receptacle portion on its front and two sides; the side forming sections having along one side thereof substantially rectangular extensions slightly
 55 less in length than the side-forming sections and in width substantially one half that of said sections for providing means for preventing gaping of the sides of the recep-
 60 tacle portion when the same is in operative closed condition; each of said extensions being free on three sides and being spaced from the corresponding extension by the
 65 length of said front forming section; the extensions being defined from the side forming sections by longitudinal scorings having slits therein through the blank; the side forming sections being defined from the attachment tabs and from the front forming section by parallel transverse scorings.

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Witnesses:

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