Apr. 10, 1923. 1,451,383

C. C. WILSON

BOX FOR FLAT METAL TABLEWARE

Filed Mar. 2, 1922

FIG. 1.

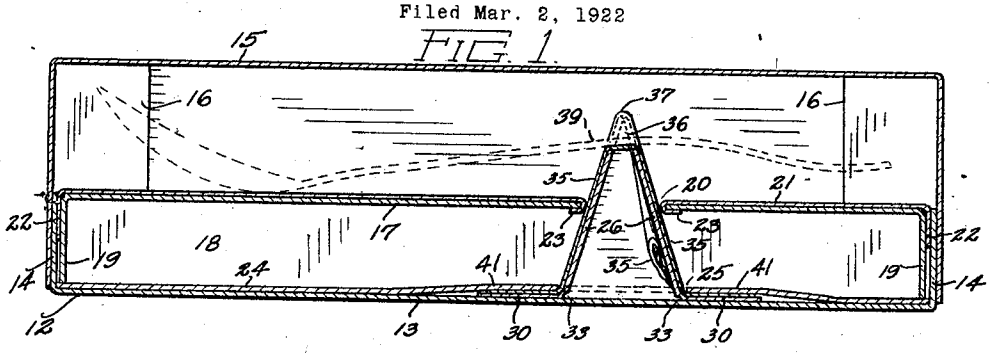


FIG. 2.

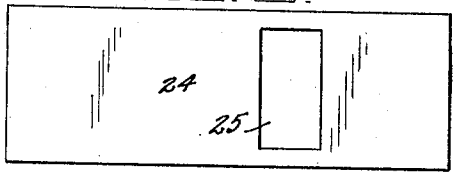


FIG. 3.

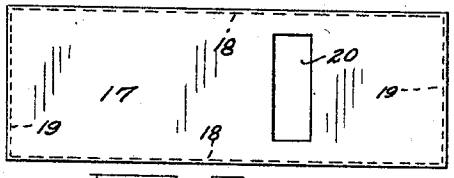


FIG. 4.

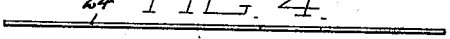


FIG. 5.

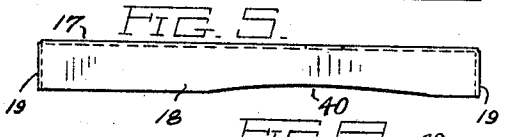


FIG. 6.

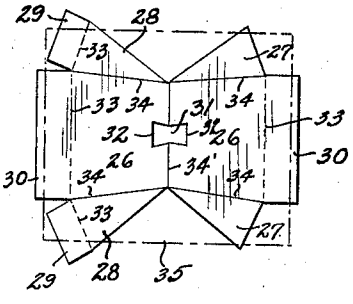


FIG. 7.

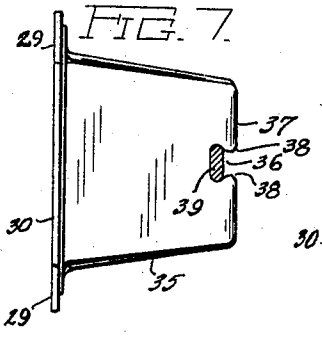


FIG. 8.

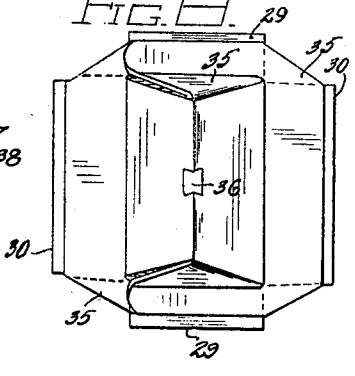


FIG. 9.

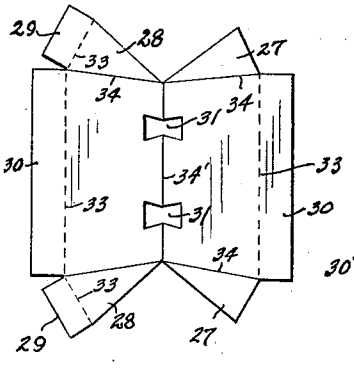


FIG. 10.

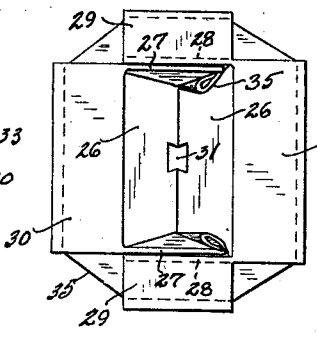
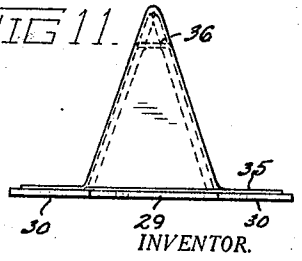


FIG. 11.



INVENTOR.
Clarence C. Wilson
BY
Wooster & Davis.
ATTORNEYS.

Patented Apr. 10, 1923. 1,451,383.

UNITED STATES PATENT OFFICE.

CLARENCE C. WILSON, OF BRIDGEPORT, CONNECTICUT.

BOX FOR FLAT METAL TABLEWARE.

Application filed March 2, 1922. Serial No. 540,495.

To all whom it may concern:

Be it known that I, CLARENCE C. WILSON, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented an Improvement in Boxes for Flat Metal Tableware, of which the following is a specification.

This invention relates to display boxes for flat metal table-ware which boxes are ordinarily made of paper or cardboard, and has for an object to provide a box of this character which will be light and of pleasing appearance, which will securely hold the articles to be displayed, and which may be easily and cheaply manufactured.

With these and other objects in view I have devised the display box illustrated in the accompanying drawing, in which—

Fig. 1 is a vertical longitudinal section through the box.

Fig. 2 is a plan view of the positioning element.

Fig. 3 is a plan view of the platform.

Fig. 4 is an edge view of the positioning element shown in Fig. 2.

Fig. 5 is an edge view of the platform.

Fig. 6 is a plan view showing the shape of the member used to form the article supporting bridge or rack before folding.

Fig. 7 is a side view of the rack folded.

Fig. 8 is a top plan view thereof.

Fig. 9 is a view similar to Fig. 6 showing how the rack may be lengthened to support more than one article.

Fig. 10 is a bottom plan view of the rack, and

Fig. 11 is an end elevation thereof.

Figs. 2 to 6 inclusive and 9 are drawn to a smaller scale than the remaining figures.

The box comprises a lower box section 12 comprising a bottom wall 13 and upwardly extending end and side walls 14 around the periphery thereof. This lower box section is employed to carry the article supporting elements and is adapted to be inserted in the cover section 15, as shown in Fig. 1, suitable stop elements 16 being secured within the cover section to limit the movement of the box section thereinto.

Mounted in the upper part of the lower box section 12 and closing the same is an article supporting platform 17 having downwardly extending side walls 18 and end walls 19 about its periphery, and provided with a rectangular opening 20 extending transversely thereof, preferably between the center and one of the ends. This platform is covered with a suitable covering 21, which is preferably velvet, but may be any other suitable material desired, and is extended downwardly around the edges, as shown at 22, and is folded around the edges of the opening 20, as shown at 23. Resting upon the bottom of the lower box section 12 is a positioning element 24 which is merely a rectangular piece of cardboard provided with a rectangular opening 25 so located as to be in alignment with the opening 20 in the platform but somewhat larger.

The article supporting the rack or bridge is substantially triangular in cross section, as shown in Figs. 1 and 11, and is held in position within the box by the positioning element 24 and the platform 17, as it is mounted within the openings 20 and 25 in these elements. It is formed preferably by stamping a piece of cardboard to substantially the shape shown in full lines in Fig. 6, the body portion 26 being substantially rectangular in shape and being provided with substantially triangular projections 27 and 28, the projections 28 being formed with tabs 29, and the body portion being provided at its ends with tabs 30. At the same time the rack is stamped or cut, an opening 31 is cut substantially in the mid-length of the body portion, the ends 32 thereof being wider than the mid portion, as shown, for a purpose presently to be described. To facilitate folding of the projections 28, and the tabs 29 and 30 in shaping the rack, the element shown in Fig. 6 is scored on the underside along the dotted lines 33 and on its upper side along the light lines 34 and 34′. Before this element is folded to form the rack, a piece of covering material, preferably velvet, indicated at 35, is applied thereto by applying to the element a coat of glue or other adhesive, the material being applied while the glue is in a state of tacking or sticking. Also, while the adhesive is in this condition, the member forming the rack is folded to the shape shown in Figs. 1, 7, 8, 10 and 11, by folding the body member downwardly about the transverse line 34′, projections 27 and 28 about the lines 34, and the tabs 29 and 30 upwardly or outwardly about the dotted lines 33. Also, while the adhesive is in this condition, the covering material is pressed into

the notch formed by the opening 31 so as to form an article receiving recess 36. It will be seen that the portions of the body of the member on opposite sides of the line 34' will form the tapering sides of the rack terminating in a ridge 37 at its top but with their lower edges spaced to make the racks substantially triangular in cross section. The triangular projections 27 and 28 will extend inwardly and overlap each other to close the ends of the space between the side walls, while the tabs 29 and 30 extend outwardly around the periphery of the lower sides thereof. The bridge element is now inserted through the opening 25 in the positioning element 24 with the tabs lying on the undersides of this element, which acts to retain the sides of the rack in position and prevent it from flattening out. This element with the rack is now placed within the lower box section 12, the element 24 properly positioning the rack therein. The platform 17 is now inserted in the upper portion of the lower box section to close the same with the upper portion of the rack projecting through the opening 20 therein, as shown in Fig. 1, making the article supporting section of the box complete. Because of the tapered sides of the opening 31, when the rack element is folded to form the ridge, overhanging portions 38 are provided which extend over the handle 39 as shown in Fig. 7, retaining the same against vertical movement therein.

It will be apparent, from the foregoing description, that the box may be composed entirely of paper or cardboard, except for the velvet coverings for the platform and rack, and so will be very light in weight and will also be composed of cheap material. The element, to form the rack, may be stamped by a single blow of a press and so may be rapidly formed, reducing the number of operations ordinarily required. The whole supporting structure, and the article supported thereby, will be entirely enclosed by the cover section 15. In order that, when assembled, the top 17 of the platform and bottom 13 of the box section may be parallel, I preferably provide recesses 40 in the bottom edges of the sides 18 to allow for the elevated portion of the element 24, indicated at 41 in Fig. 1. This elevation is caused by the tabs and portion of the covering material under the positioning element.

The construction, as described, is designed for supporting a single article, but if it is desired to support a plurality of articles in the same box all that is necessary is to proportionately widen the body portion 26 of the rack, as shown in Fig. 9, and to punch a plurality of openings 31 therein, the projections 27 and 28, and tabs 29 and 30 being positioned the same as in a rack designed to support a single article. If it is desired to support more than two articles, this body portion is widened accordingly.

Having thus set forth the nature of my invention, what I claim is:

1. A display box including a platform provided with an opening therein, and a bridge mounted in said opening comprising a cardboard strip folded to form a ridge above the platform, said ridge being provided with an article receiving recess.

2. A display box including a platform provided with an opening therein, and an article supporting bridge extending upwardly through said opening comprising a substantially rectangular piece of cardboard having substantially triangular projections on opposite sides thereof, said piece of cardboard being folded intermediate its ends to form a ridge above the surface of the platform, and the projections being folded to close the ends of the space under said ridge.

3. A display box including a substantially rectangular positioning element having an opening therethrough, an article supporting rack in said opening comprising a substantially retangular piece of cardboard provided with substantially triangular projections on opposite sides thereof and projecting tabs at its ends, said cardboard being folded intermediate its ends to form a ridge above the positioning element, the triangular projections being folded to close the ends of the space under said ridge and the tabs extending beneath the positioning element, and a platform above said element and provided with an opening to receive said rack.

4. A display box comprising a lower box section, an upper cover section, a positioning element in said box section provided with an opening, an article supporting rack in said opening and comprising a piece of cardboard folded intermediate its ends to provide a ridge above the element and having tabs projecting beneath said element, and a platform in said box section above the positioning element and provided with an opening to receive the said rack.

5. A display box comprising a lower box section, an upper cover section, a positioning element in said box section provided with an opening, an article supporting rack in said opening and comprising a piece of cardboard folded intermediate its ends to provide a ridge above the element and having tabs projecting beneath said element, said ridge being provided with an article receiving recess, and a platform in said box section above the positioning element and provided with an opening to receive the said rack.

6. A display box including a platform provided with an opening therein, an article supporting bridge mounted in said opening comprising a piece of cardboard folded

intermediate its ends to form a ridge above said platform, said ridge being provided with an article receiving recess, and a cloth covering glued to the bridge and extending into the recess.

7. A display box comprising a lower box section, an upper cover section, a positioning element in said box section provided with an opening, an article supporting rack in said opening and comprising a piece of cardboard folded intermediate its ends to provide a ridge above the element and having tabs projecting beneath said element, said ridge being provided with an article receiving recess, a platform in said box section above the positioning element provided with an opening to receive the said rack, and cloth covers for the platform and rack.

In testimony whereof I affix my signature.

CLARENCE C. WILSON.