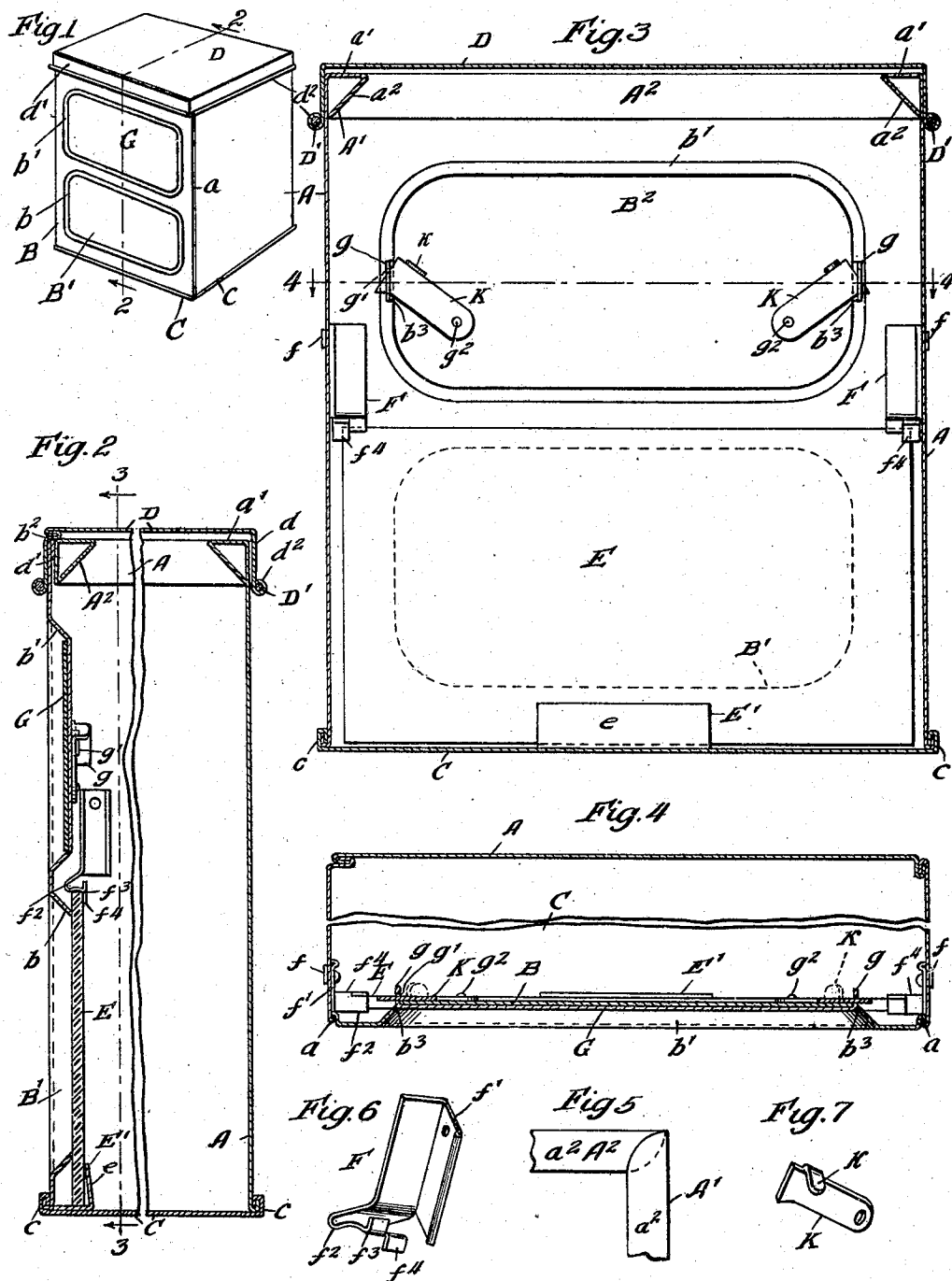


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PATENTED MAR. 19, 1907.

F. RUDOLPHI & E. BRÄUNINGER.
SHEET METAL DISPLAY CAN OR BOX.

APPLICATION FILED SEPT. 24, 1906.



Witnesses:

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UNITED STATES PATENT OFFICE.

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SHEET-METAL DISPLAY CAN OR BOX.

No. 847,973.

Specification of Letters Patent.

Patented March 19, 1907.

Original application filed November 13, 1905, Serial No. 287,159. Divided and this application filed September 24, 1906. Serial No. 335,958.

To all whom it may concern:

Be it known that we, FRANK RUDOLPHI and EMIL BRÄUNINGER, citizens of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Sheet-Metal Display Cans or Boxes, of which the following is a specification.

This invention relates to improvements in sheet-metal display cans or boxes for containing, shipping, storing, and displaying for sale crackers, bakery goods, and other like articles.

Our invention consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein shown and described, and more particularly specified in the claims.

In the accompanying drawing, forming part of this specification, Figure 1 is a perspective view of a display-can embodying our invention. Fig. 2 is a section on line 2 2 of Fig. 1. Fig. 3 is a section on line 3 3 of Fig. 2. Fig. 4 is a horizontal section on line 4 4 of Fig. 3. Fig. 5 is a detail top or plan view of one corner of the can-body. Fig. 6 is a detail perspective view of the glass-plate holder, and Fig. 7 is a detail perspective view of the removable sign-plate keeper.

In the drawing, A represents the three sheet-metal upright side plates, and B the sheet-brass or burnishable-metal front plate forming the body of the can, C the bottom plate, and D the hinged cover. The bottom plate C is secured by external folded seams *c* to the lower edges of the sides A and B. At the upright corners of the body the sheet-metal sides A and front side B are united by internal folded seams *a*. The upright side plates A of the body have at their upper ends horizontal right-angle flanges *a'*, preferably about one-half inch in width, and the angle-flanges *a''*, the lower edges of which meet and are soldered to the vertical sides A, thus forming hollow triangular stiffening bars or braces A' at the upper end of the body, at three sides thereof, and at its remaining or front side a similar hollow triangular stiffening and strengthening bar A², having a corresponding horizontal flange *a'* and angle-flange *a''* is provided. At the corners of the

body the meeting horizontal flanges *a'* and the meeting angle-flanges *a''* of the hollow strengthening bars or braces A' A² overlap each other and are securely soldered together, thus forming a continuous hollow strengthening bar or brace all around the upper end of the body.

The sheet-brass front plate B of the body has a display-opening B' in its lower portion surrounded by an inturned angle-flange *b* and a countersunk portion B², surrounded by a marginal wall or angle-flange *b'* and forming an external seat or recess to receive the externally-fitting removable sheet-metal sign-plate G. The brass front plate B has a fold *b''* at its upper edge to give a smooth finish thereto, and it fits snugly against and is soldered directly to and supported by the hollow triangular strengthening-bar A² at the front side of the can. The thin brass front plate is thus given a strong support at its upper end by the bar A² and a much stronger and better construction produced than those heretofore used where a slot or passage-way is left between the bar A² and the front plate B for the removal and insertion of an inside-fitting sign-plate. The hinged cover D has a right-angle internal flange *d* at three of its edges and a front flange *d'* of a separate piece and preferably of brass to correspond to the brass front B. The lower edges of the cover-flanges *d* *d'* have rolls or coils *d''*, embracing a wire D', which completely surrounds the cover and forms also the pivot of its hinge.

E is the removable inside-fitting glass plate held in place at its lower end against the angle-flange *b*, surrounding the opening B' in the brass front plate B by a fixed guide E', preferably of sheet metal and secured immovably in place by an angle-flange *e* thereof, which is embraced in the folds of the seam *c*, which unites the bottom plate C with the front plate B of the can. The removable glass plate E is held in place at its upper end by movable holders F, hinged by a pivot pin or rivet *f* to the adjacent upright sides A of the can and each provided with an integral angle-flange *f'*, fitting against the upright side A of the can. Each of the hinged glass-plate holders F is provided with a laterally-

projecting integral spring-lip f^2 , which is adapted to snap and spring over the upper edge of the glass-plate E, and thus hold the same snugly down against the bottom plate of the can. The integral spring-lip f^2 on the holder F has a rounded or cam-shaped nose f^3 to enable it to be forced or sprung over the upper edge of the glass plate, while at the same time permitting the hinged pivot f' of the holder to be located slightly to one side of the glass plate, so that the spring-lipped holder will have a toggle action when in its closed position or shut past the center. The spring-lipped toggle-acting holder F is also furnished with a depending lip f^4 , engaging the rear face of the glass plate at the upper end thereof.

G is a sheet-metal external removable sign-plate snugly fitting in the seat or recess formed by the inclined wall or angle-flange b' of the countersunk portion B^2 of the front plate B. This external removable sign-plate G is furnished at each end with integral right-angled tongues g , which are inserted through slots b^3 , formed in the recess portion B^2 of the front plate B at the base of the angle-flange b' . These right-angle tongues or integral extensions g of the sign-plate are furnished with slots g' , adapted to receive movable keepers K, which are preferably pivoted to the countersunk portion B^2 of the sign-plate B by rivets g^2 somewhat below the tongues g . The keepers K are preferably of sheet metal and furnished with integral lips or flanges k , projecting at right angles thereto to enable the same to be conveniently turned. The interengaging sign-plate-holding devices g K, the former, g , being integral with or conveniently secured to the sign-plate and the latter movably mounted on the countersunk portion of the front plate, thus constitute a very firm and secure means of removably mounting the externally-fitting

sign-plate on the front plate and at the same time adds very little to the cost of the can. 45

This is a division of our original application for patent, Serial No. 287,159, filed November 13, 1905.

We claim—

1. In a sheet-metal display-can, having a front plate furnished with a display-opening therein, a removable glass plate on the inside of the front plate for closing said opening, and toggle-acting holders hinged to the upright sides of the can-body above the upper end of the glass plate and provided with a lip or shoulder engaging the upper edge of the glass plate, substantially as specified. 55

2. In a sheet-metal display-can, the combination with the front plate having a display-opening therein, an inside-fitting glass plate for closing said opening, and a toggle-acting holder hinged to the upright side of the can-body above and slightly back of the upper end of the glass plate, and provided with a shoulder overhanging the upper edge of the glass plate, and a depending lip engaging the rear face of the glass plate at the upper end thereof, substantially as specified. 65

3. In a sheet-metal display-can, the combination with the front plate having a display-opening therein, an inside-fitting glass plate for closing said opening, and a toggle-acting holder hinged to the upright side of the can-body above and slightly back of the upper end of the glass plate, and provided with a yielding shoulder overhanging the upper edge of the glass plate, and a depending lip engaging the rear face of the glass plate at the upper end thereof, substantially as specified. 75 80

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