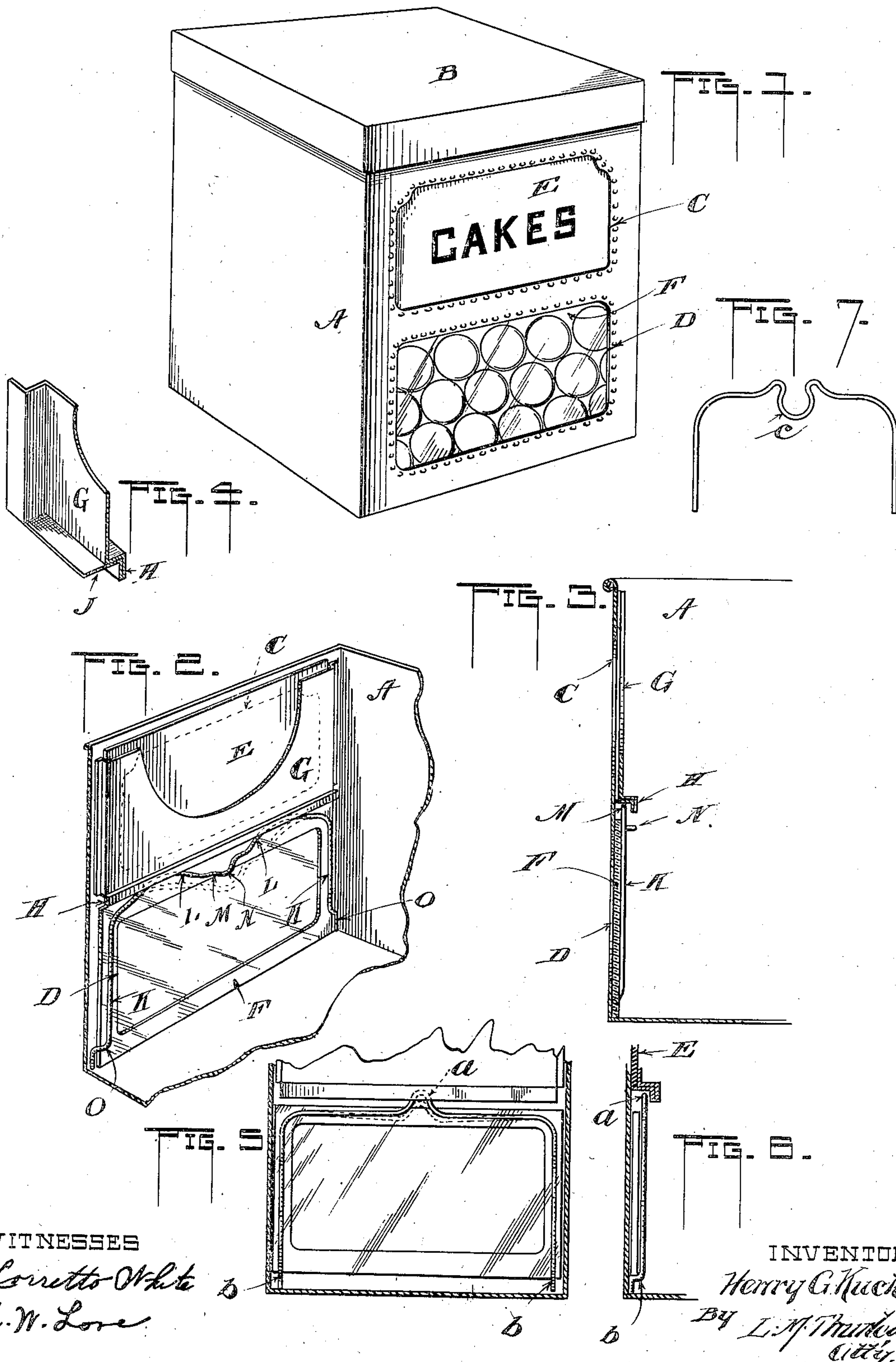


No. 896,923.

PATENTED AUG. 25, 1908.

H. G. KUCK.
DISPLAY BOX.

APPLICATION FILED APR. 27, 1906.



UNITED STATES PATENT OFFICE.

HENRY G. KUCK, OF PEORIA, ILLINOIS, ASSIGNOR TO STUBER & KUCK, OF PEORIA, ILLINOIS.

DISPLAY-BOX.

No. 896,923.

Specification of Letters Patent.

Patented Aug. 25, 1908.

Application filed April 27, 1906. Serial No. 314,078.

To all whom it may concern:

Be it known that I, HENRY G. KUCK, a citizen of the United States, residing at Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Display-Boxes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a display box for bakery goods and the like wherein a sign is used to designate the kind of goods contained therein together with a transparent plate through which the goods may be seen and inspected.

My invention relates to certain details of construction in which simplicity of arrangement is taken into account without losing sight of certain requisites as regards the fixity of the removable plates which cover the openings of said box.

In the appended drawing forming part of this application Figure 1 is a perspective view of the display box. Fig. 2 is a perspective view of a portion of the interior of the box showing my invention. Fig. 3 is a vertical section of the box front. Fig. 4 is a perspective view of a portion of pocket or guide for holding a sign plate. Fig. 5 is a vertical section of the box showing a portion of the front wherein a slightly modified form of spring is used for holding in place a transparent plate. Fig. 6 is a vertical section of the front of the box shown in Fig. 5. Fig. 7 is a view showing a modified form of spring for holding the said transparent plate.

The box is indicated by the letter A which is of rectangular form and provided with the usual hinged cover or lid B. The front of the box is provided with an upper and a lower opening C and D respectively, the former for indicating the class of goods by means of a sign or goods-indicating plate E positioned therebetween, the latter being covered by a glass-plate F as in similar boxes having two such openings.

Attached to the inside of the front as shown in Fig. 2 is a pocket comprising a member G having its two vertical edges offset as shown in Fig. 4, and soldered or otherwise attached to said front just behind the window or opening C at the top. As shown in Figs. 3 and 4 the lower edge of the guide

G is bent rearward and downward as shown at H and then returned upward and forward upon itself, the resulting horizontal projecting edge J terminating as shown substantially flush with the front wall of the box and upon which the sign-plate E is supported and from which it can be removed only by first lifting the lid B.

At each front corner of the bottom of the box below the line of the opening D is soldered or otherwise attached the end of a wire loop K substantially in the form of an inverted U. In Fig. 2 this loop, which is preferably of moderately stiff spring wire, is provided with two upward bends L which extend upward behind the depending lip H of the guide G. Between said upward bends is a downward bend M also extending outward as at N in Fig. 3 to provide a finger-piece. The extremities of the loop K are formed with the off-sets D by which the vertical portions of the wire are held away from the front of the box as to create a space between said vertical portion and said front as shown in Figs. 3 and 6. Within the space thus left is inserted the glass plate F already referred to which rests upon the bottom of the box between the said off-set portions O of the wire. It is now to be understood that the top loops or bends L of the loop-member K normally rests behind the depending lip H of the guide G or between it and the box-front, and thereby the glass-plate is held so that it cannot be pushed inward at its top by pressure thereagainst from the outside and since the extremities of the loop K are secured to the box-front it is quite evident that the glass is also immovable at its bottom edge. Said glass can only be moved after springing the loop K by reaching inside the box and springing that member in such a way as to lower the portions L thereof sufficiently to permit them to pass forward beneath the said lip H described. To do this the finger or thumb is placed upon the outwardly extending finger-piece N and a pressure downward thereon will shorten the height of the member as shown in dotted lines. Then a pressure on the glass from the outside will cause the same to move inward at the top edge beyond the lip H and the thumb and finger can then grasp it and withdraw it from the box, the resiliency of the wire carrying that member against the lip H.

In replacing the glass the wire is drawn away from the said lip, the glass is inserted in position and a downward pressure on the extension N allows the wire to pass beneath the lip H to its normal position as before. The removal of the pressure allows the wire to regain its normal expanded form, the lip H again holding it and the glass as already described. In my box the two plates are entirely independent of one another, neither being dependent upon the other for assistance there being separate means for holding each in place. The construction is therefore quite simple and of low cost.

Figs. 5 and 6 show a modified form of the member K in which there is a central bend *a* to engage the lip H which may be depressed to release it as in the other form. In this form the glass is rested upon the off-sets *b* of the wire as shown. In Fig. 7 is another form of the spring member, the depending loop *c* of which allows the wire to readily be sprung for the purposes hereinbefore described.

I have exaggerated the amount of extension of the lower projection of the guide G in order to make the idea of said extension understood and it is, therefore, to be made much smaller in proportion to the other parts. In addition to this it is the desire to make it clearly known that the various members entering into the construction of my invention may be changed at will without departing from the spirit of said invention.

I claim:

1. A box of the character described provided with a lid and having two display openings in its front, means behind the upper of said openings for receiving and holding a plate, a plate removably held therein for covering the opening, a second plate for closing the lower opening, a spring rigidly and permanently secured to the box near the bottom thereof, and adapted to contact with substantially all the surface of the plate throughout its height and holding said plate with an outward pressure tendency against the opening, and means on the front wall behind which to lock the spring.

2. A box of the character described having two display openings in its front, a receptacle behind the upper of the said openings, a plate removably held in said receptacle behind said opening, a second plate for covering the lower opening, and a spring member secured to the box in a fixed position and adapted to bear against and keep pressure upon said second plate for holding it against the opening, said spring member adapted to flex to permit the insertion and withdrawal of the plate, and means on the front wall of the box behind which to lock the spring.

3. A box of the character described provided with a lid and having two display openings in its front, a plate positioned be-

hind the upper of said openings and removable only when the lid is raised, means for holding the same in position at said opening, a second plate positioned behind the other of the openings, a spring secured to the box near the bottom thereof and extending upward behind said plate and in contact with it but adapted to move inward to release said plate, and means behind which to place the spring to hold it rigid to prevent inward movement of the plate substantially as described.

4. A box of the character described having two display openings, a receptacle at one of such openings, a plate for covering said opening and held in position by such receptacle, a plate for covering the lower opening, a spring secured adjacent to the lower edge of the lower opening and normally holding the plate in position, and adapted to yield inwardly away from the plate, and a projection on the box above the upper edge of the lower opening with which the spring engages.

5. A box of the character described having two openings in one of its sides, a vertical guiding member stationed behind one of the openings, a plate for entering the guide behind the opening, a spring secured to the inner surface of the box adjacent to the lower edge of the other opening, a transparent plate adapted to pass therebehind against said other opening the same being permitted to swing inward by said spring there being a lip depending from the guiding member with which said spring is adapted to engage for firmly holding the transparent plate in position against its opening, said plate being liberated by manually releasing the spring from the said lip substantially as described.

6. A box of the character described having an upper and a lower display opening in its front, a receptacle secured behind the upper of the openings, a sign plate for said opening removably held in said receptacle, a transparent plate for the lower opening, an overhanging member above the said transparent plate, an inverted U-shaped flexible member having its extremities secured to the box at its bottom and adapted for pressure against the said transparent plate and adapted to lock behind the said overhanging member to prevent movement of the plate, said member being released by pressure to carry it from behind the member to release the plate in the manner set forth.

7. In combination with a box of the character described having an upper and a lower display opening in its front, of a display or sign plate for the upper of the openings, means for supporting the plate and holding it from inward movement away from said opening, a transparent plate for closing the lower of said openings, a spring secured at

the bottom of the box and arranged to extend behind the transparent plate and adapted to normally hold said plate against its opening, and means behind which to secure the spring for normally preventing the plate being pushed inward away from its opening substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses.

HENRY G. KUCK.

Witnesses:

E. J. ABERSOL,
L. M. THURLOW.