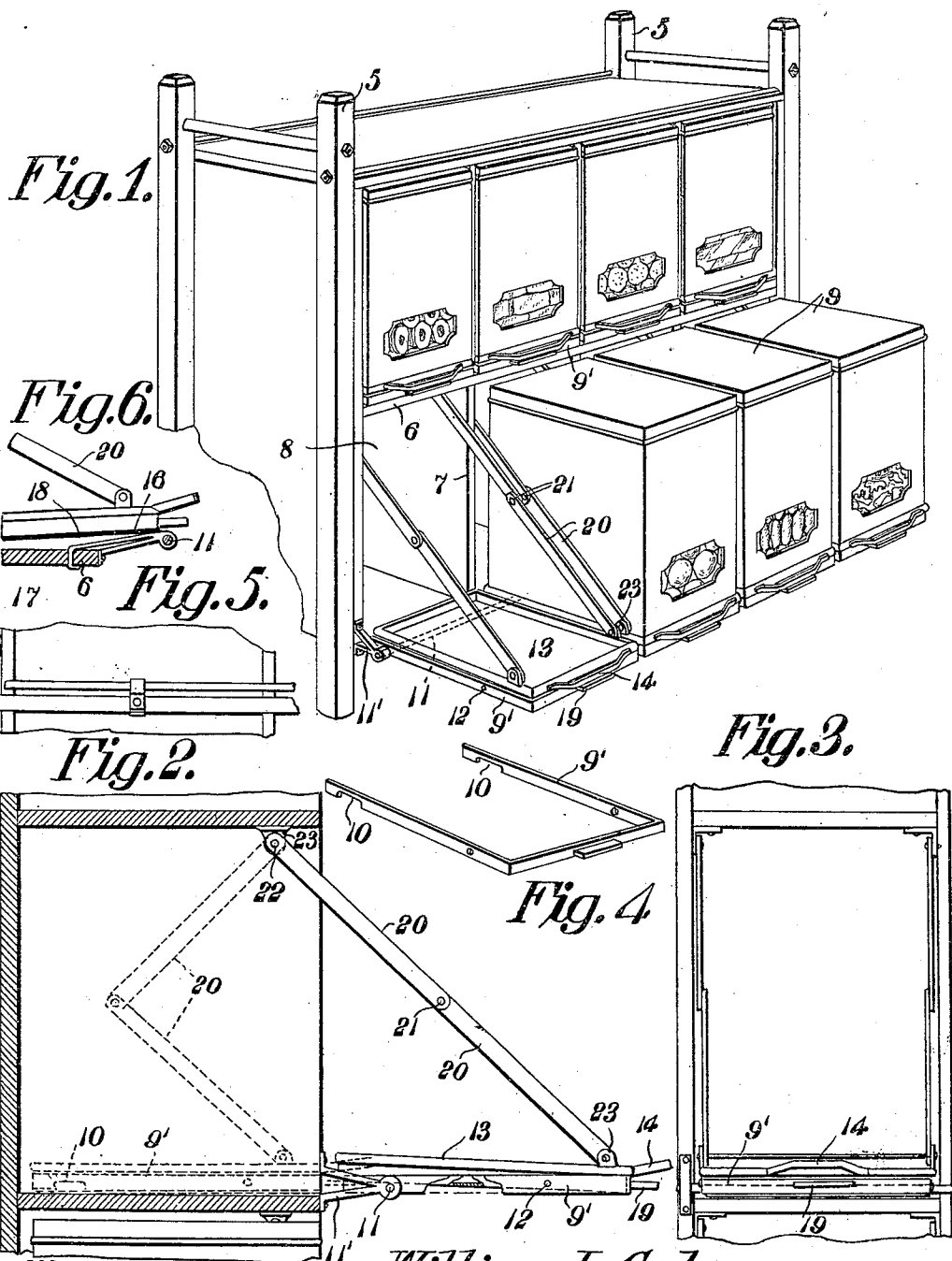


No. 841,502.

PATENTED JAN. 15, 1907.

W. L. GALE.  
CAKE TIN SUPPORT.  
APPLICATION FILED OCT. 20, 1906.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## CAKE-TIN SUPPORT.

No. 841,502.

Specification of Letters Patent.

Patented Jan. 15, 1907.

Application filed October 20, 1906. Serial No. 339,823.

*To all whom it may concern:*

Be it known that I, WILLIAM LLOYD GALE, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Cake-Tin Support, of which the following is a specification.

This invention relates to display-stands of that general class especially designed for exhibiting cakes, biscuits, and similar articles of food.

The object of the invention is to provide a display stand or rack having a plurality of chambers or compartments for the reception of the cake-receiving boxes or tins, the latter being mounted for sliding movement with the compartments, so that any particular box may be withdrawn from its compartment and supported in an accessible position without the necessity of removing the box from the stand.

A further object is to provide a sliding frame having a box-supporting tray pivotally mounted thereon and operatively connected with the display-stand by pivotally-united links or levers, whereby when the tray is withdrawn from the compartment the links will support said tray in a horizontal position.

A further object is to provide means for locking the sliding frame in extended position and means for tilting the frame, thereby to release the locking means and permit the box to be housed within the compartment.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in form, proportions, and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of a portion of a display-stand constructed in accordance with my invention. Fig. 2 is a transverse sectional view showing in full lines the box-supporting tray in extended or operative position and in dotted lines in retracted or inoperative position. Fig. 3 is a front elevation of Fig. 2. Fig. 4 is a perspective view of one of the sliding tray-supporting frames detached. Fig.

5 is a front elevation of a portion of the display-stand. Fig. 6 is a transverse sectional view of one of the sliding frames partly withdrawn from the adjacent compartment.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The stand or rack consists of the corner posts or standards 5, having spaced shelves 6 secured thereto and divided by vertical partitions 7, forming a plurality of compartments or chambers 8 for the reception of the cake-receiving boxes or tins, (indicated at 9.)

Slidably mounted within each of the compartments 8 is a substantially rectangular frame 9, having its rear end open and its longitudinal side walls provided with elongated slots or openings 10, adapted to engage a rod 11 when the frame is withdrawn from the compartment to the position shown in Fig. 2 of the drawings.

Pivotally mounted within the frame 9, as indicated at 12, is a box-supporting tray 13, one end of which is provided with an operating-handle 14, by means of which the tray, together with the supporting-frame 9, may be withdrawn from the compartment, so as to permit the boxes or tins 9 to be supported in operative position at one end of the display-stand. The rod 11 is supported in suitable brackets 11', secured to the opposite sides of the display-frame, there being auxiliary brackets 16 secured to the shelves 6 between the partitions 7, as shown. The brackets 16 are each preferably formed of a single piece of metal, one end of which is secured to the shelf 6; while the opposite end thereof is bent around the rod 11 and thence extended rearwardly and downwardly and passed through an opening 17 extending vertically through the shelf.

Attention is called to the fact that the inclined faces 18 of the auxiliary brackets 16 by engagement with the frames 12 serve to elevate the frames, together with the trays 13, so that the frames may clear the rod 11, the notched walls of the tray 12 dropping by gravity into engagement with the rod 11 and thereby locking the frame in extended or operative position, as best shown in Figs. 1 and 2 of the drawings. The frames 12 are each provided at their closed ends with a handle 19, by means of which the frames may be tilted upwardly, thereby to disengage the

notches 10 from the rod 11 and permit the trays, together with the boxes or tins 9, to be positioned within the compartments 8. The trays 13 are pivotally connected with the stand by means of links or levers 20, having their adjacent ends pivotally united at 21 and their opposite ends pivoted at 22 to suitable supporting-brackets 23, secured to the bottom of the shelves 6 and the forward ends of the trays 13, respectively.

In operation when it is desired to obtain access to the contents of any particular box or tin the frame 12, together with the tray 13, is withdrawn from the adjacent compartment by exerting a longitudinal pull on the handle 14. As the frame 12 is withdrawn from the compartment said frame will ride over the inclined face 18 of the auxiliary supporting-bracket, and when the notches 10 register with the rod 11 the rear end of the frame 9 will drop by gravity into engagement with said rod, thus locking the frame in extended or operative position and supporting the boxes or tins at one edge of the display-stand. In order to move the tins or trays to in-operative position within the compartments 8, it is merely necessary to exert an upward pull on the handle 19, when the notches 10 will be disengaged from the rod 11, thus allowing the frame, together with the trays, to be moved longitudinally within said compartment. When the tray is moved to operative position, the links 20 will be disposed in alinement with each other, and thus support the forward end of the tray, and when the trays are moved rearwardly within the compartments the links will assume the dotted-line position shown in Fig. 2 of the drawings.

The display-stand may be constructed with any number of tiers or shelves for the reception of the cake-receiving boxes, and, if desired, the upper tier of boxes instead of being supported by the rods 11 may be withdrawn from the compartments and supported on the lower tier of boxes, as will be readily understood.

From the foregoing description it will be seen that there is provided an extremely simple, inexpensive, and efficient device admirably adapted for the attainment of the ends in view.

Having thus described the invention, what is claimed is—

1. The combination with a display-stand, of a frame slidably mounted on the stand and movable to extended and retracted position, means for supporting the frame in operative position, a tray pivotally mounted on the frame, and a connection between the tray and stand.

2. The combination with a display-stand, of a frame slidably mounted on the stand and movable to extended and retracted position, means for supporting the inner end of the frame, a tray pivotally mounted on the frame,

and a pivotal connection between the outer end of the tray and the stand.

3. In a display-stand, a supporting-rod, a frame slidably mounted on the stand and adapted to engage the rod when the frame is moved to extended position, a tray pivotally mounted on the frame, and a pivotal connection between the tray and stand.

4. In a display-stand, a supporting-rod, a frame slidably mounted on the stand and provided with recesses adapted to engage the rod when the frame is moved to extended position, a tray pivotally mounted on the frame, and a pivotal connection between the tray and stand.

5. In a display-stand, a supporting-rod, a tray slidably mounted on the stand and provided with oppositely disposed recesses adapted to engage the rod when the frame is moved to extended position, a tray pivotally mounted on the frame, a pivotal connection between the tray and the stand, and a finger-piece carried by the tray for releasing the latter from engagement with the rod thereby to permit the frame to be moved to retracted position.

6. In a display-stand, a supporting-rod, a bracket secured to the stand and provided with an inclined face, a frame slidably mounted on the standard and movable in the path of the bracket to extended position, said frame being provided with oppositely-disposed recesses adapted to engage the rod for locking the frame in extended position, a tray pivotally mounted on the frame, and a pivotal connection between the tray and stand.

7. In a display-stand, a supporting-rod, a frame slidably mounted on the stand and provided with spaced recesses adapted to engage the rod for locking the frame in extended position, a tray pivotally mounted on the frame, and links pivotally connected to the tray and stand, respectively, and having their inner ends pivotally united.

8. In a display-stand, supporting-brackets, a rod carried by the brackets and spaced from one side of the stand, a frame slidably mounted on the stand and provided with oppositely-disposed recesses adapted to engage the rod for locking the frame in extended position, a tray pivotally mounted on the frame, links forming a pivotal connection between the tray and stand, respectively, and a finger-piece carried by the tray for tilting the latter thereby to disengage the tray from the rod to permit the frame to be moved to retracted position.

9. In a display-stand, pivotally-united members slidably mounted on the stand and adapted to support a receptacle, a pivotal connection between one of said members and the stand, and means carried by the stand for supporting the adjacent member.

10. In a display-stand, a supporting-rod, a plurality of pivotally-united members slid-

ably mounted on the stand and movable to extended and retracted position, one of said members being adapted to engage the rod, and a pivotal connection between the opposite member and the stand.

11. In a display-stand, a supporting-rod, pivotally-united members slidably mounted on the stand, one of said members being provided with spaced recesses adapted to engage the rod when said members are moved to extended position, a pivotal connection between the opposite member and the stand,

and a finger-piece carried by the recessed member for tilting said member out of engagement with the rod when the members are moved to retracted position. 15

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM LLOYD GALE.

Witnesses:

HARRY B. IRVING,

ANDREW GERNLEIN, Sr.