A. C. MOTT, Jr.

HINGED SHELF.

APPLICATION FILED AUG. 13, 1914.

1,165,112.

Patented Dec. 21, 1915.

Fig. 3

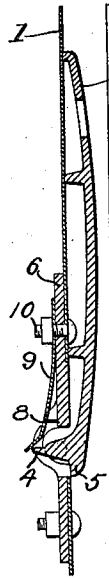


Fig. 1.

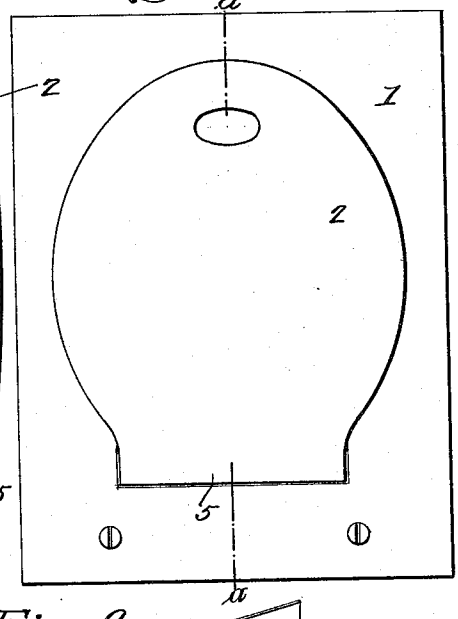


Fig. 2.

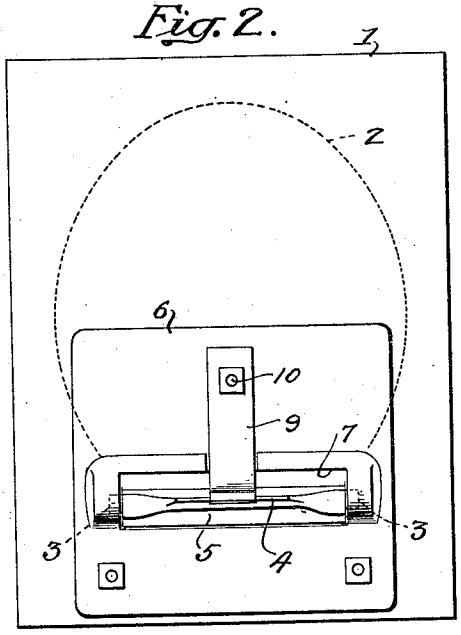


Fig. 4.

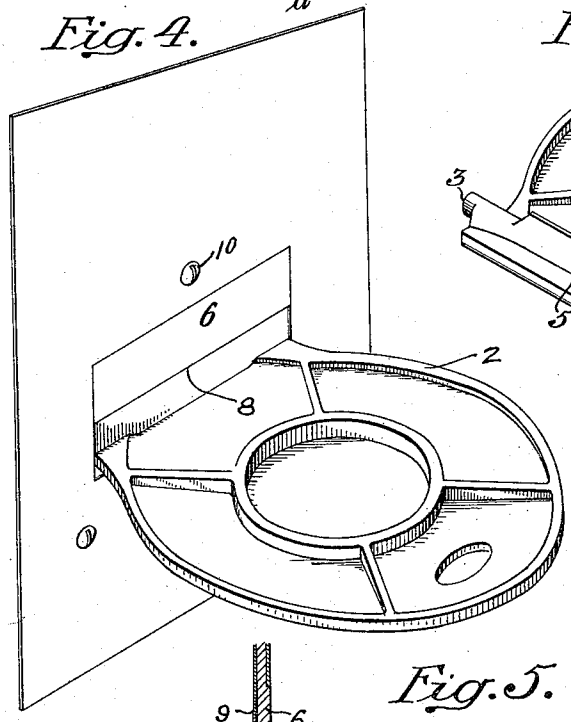


Fig. 6.

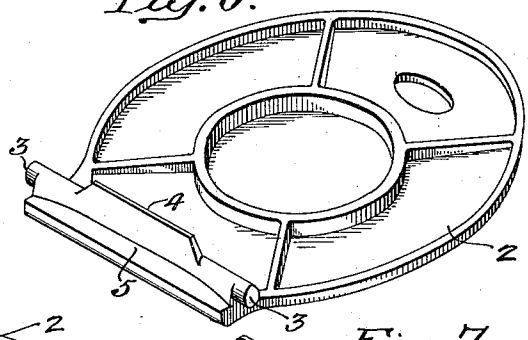


Fig. 7.

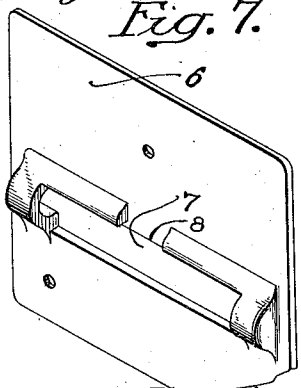
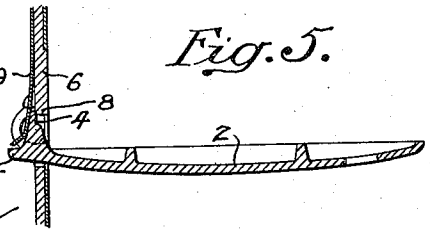


Fig. 5.



Witnesses:

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HINGED SHELF.

1,165,112. Specification of Letters Patent. Patented Dec. 21, 1915.

Application filed August 13, 1914. Serial No. 856,616.

To all whom it may concern:

Be it known that I, ABRAM C. MOTT, JR., a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Hinged Shelves, of which the following is a specification.

My invention relates to certain improvements in hinged shelves which can be held either in or out of position, as desired.

The invention is particularly adapted for use in connection with cooking ranges for holding a coffee or a tea pot, or other vessel at the back or at the side of a range.

One object of the invention is to so construct the shelf that when in a raised position the mechanism will be entirely out of view and the shelf can be made one of the decorative features of the range.

A further object of the invention is to construct the shelf in a simple manner so that it can be cheaply yet substantially made.

In the accompanying drawing:—Figure 1, is a front view of the shelf in the closed position; Fig. 2, is a rear view showing the spring and the supporting plate; Fig. 3, is a sectional view on the line *a*—*a*, Fig. 1; Fig. 4, is a perspective view showing the shelf lowered; Fig. 5, is a sectional view similar to Fig. 3, with the shelf lowered; Fig. 6, is a detached perspective view of the shelf; and Fig. 7, is a detached perspective view of the frame to which the shelf is hinged.

Referring to the drawing, 1 is the plate of the range forming, in the present instance, the back section of the range above the top plate thereof.

2 is the shelf made as clearly illustrated in Fig. 6, having trunnions 3 and two flanges 4 and 5.

6 is a frame secured to the rear of the plate 1 and in this plate 1 is an opening 7 through which the shelf 2 extends. The frame 6 covers the upper portion of this opening and the flange 4, when the shelf is lowered as illustrated in Figs. 4 and 5, rests against the lower edge 8 of the frame.

9 is a spring secured by a bolt 10, which is one of the bolts attaching the frame 6 to the plate 1, and this spring is shaped as clearly shown in Fig. 3 and bears against the flange 4.

The flange 5 extends below the trunnions 3 when the shelf 2 is in the elevated position, as in Fig. 1, in order to close the opening through which the shelf extends so that, when the shelf is raised, no mechanism is visible and the opening in the plate 1 is entirely covered by the shelf.

This construction makes an exceedingly substantial shelf, which will readily support a coffee or a tea pot, or other vessel, and, when not in use, can be raised as illustrated in Figs. 1 and 3. The shelf can be ornamented in any manner desired.

I claim:—

The combination of a plate having an opening; a frame secured to the back of the plate and having bearings; a shelf extending through the opening in the plate and having trunnions mounted in the bearings of the frame and having a flange; with a spring secured to the back of the frame and arranged to engage the flange and hold the shelf in the raised position, the flange bearing against the lower edge of the frame and arranged to hold the shelf when in the extended position.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

ABRAM C. MOTT, JR.

Witnesses:
WM. A. BARR,
JOS. H. KLEIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."