J. HERZOG.

CABINET.

APPLICATION FILED MAR. 6, 1915.

1,214,677.

Patented Feb. 6, 1917.

2 SHEETS—SHEET 1.

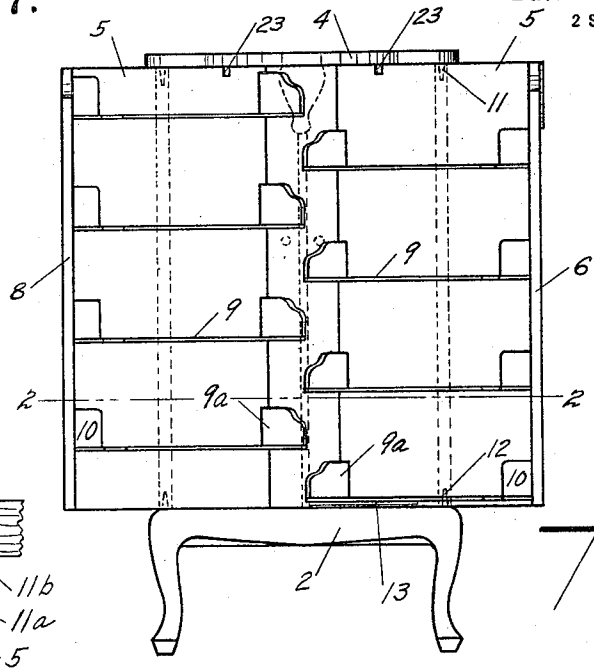


Fig. 1

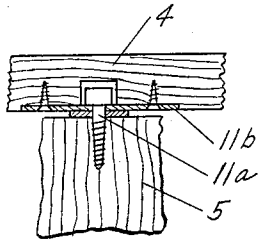


Fig. 5

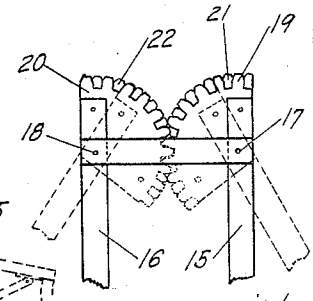


Fig. 4

Fig. 2

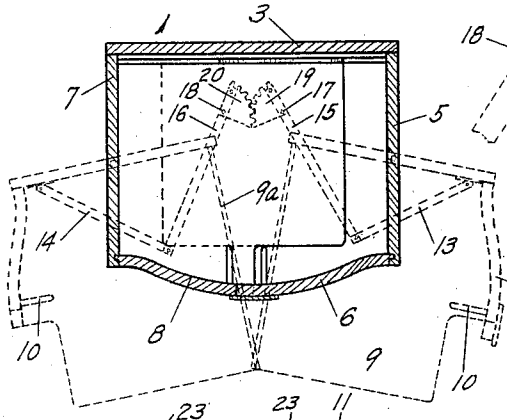
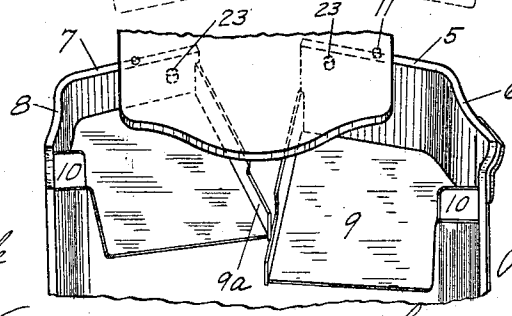


Fig. 3



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2 SHEETS—SHEET 2.

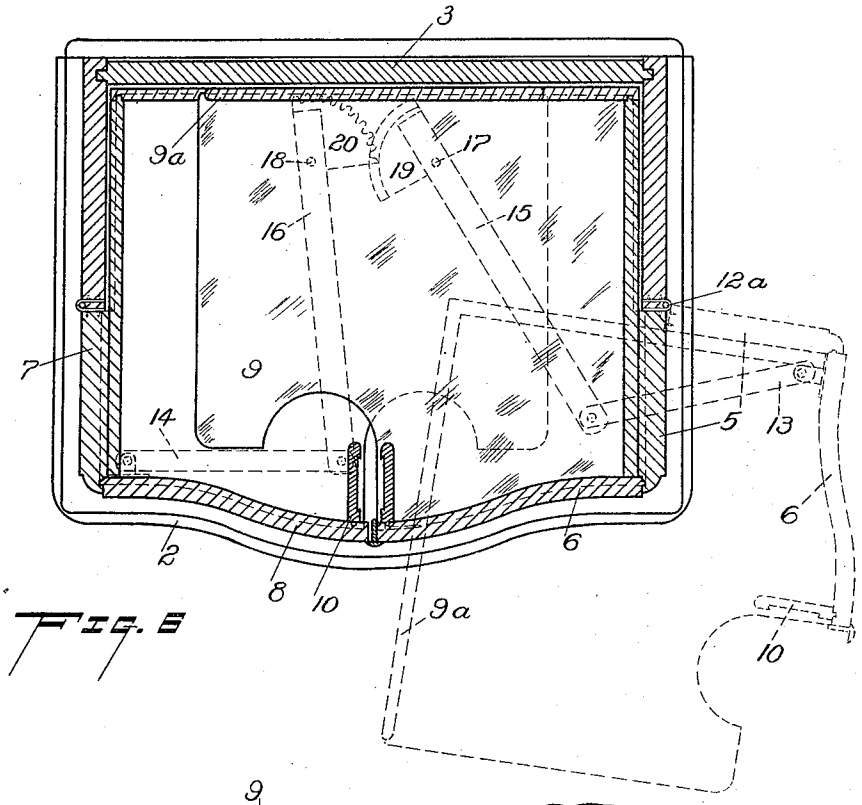


FIG. 6

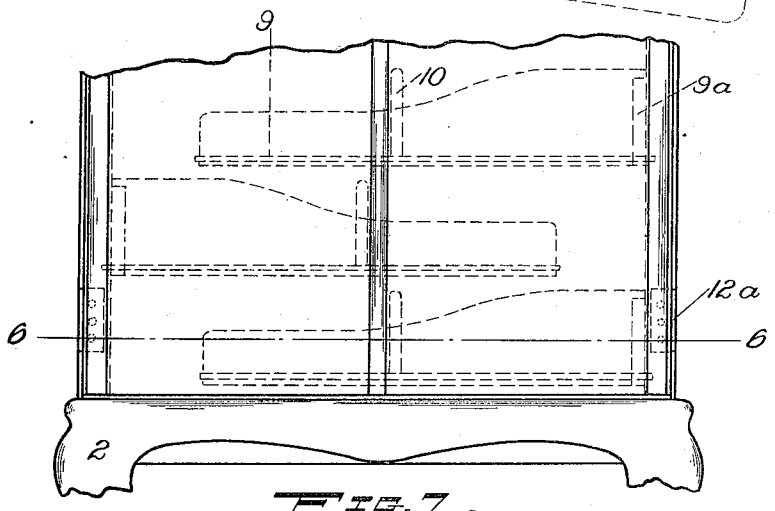


FIG. 7

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CABINET.

1,214,677. Specification of Letters Patent. Patented Feb. 6, 1917.

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To all whom it may concern:

Be it known that I, JOHN HERZOG, a citizen of the United States, residing at Saginaw, in the county of Saginaw and State of Michigan, have invented certain new and useful Improvements in Cabinets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to cabinets and pertains more particularly to cabinets of the class commonly used for holding sheet-music and like articles.

The objects of my invention are to provide a cabinet having no door, but having its sides and front arranged to form two sets of shelf-supports, each of these supports comprising a revoluble case, the two cases being arranged in the cabinet and operatively connected so that when either case is revolved to expose the shelves, the other case will similarly revolve; thus when the cabinet is open the two cases stand side-by-side at the front of the cabinet with their shelves exposed.

A further object is to provide a shelf arrangement whereby the shelves of one case telescope with relation to the shelves of the other case when the cabinet is closed, and when the cabinet is open the distance between the shelves of either of the cases is sufficient to enable the contents of any shelf to be readily inspected.

A still further object is to provide a simple and inexpensive device whereby the revolving of one of the two cases will simultaneously revolve the other case, either to open or to close the cabinet.

With these and certain other objects in view which will appear later in the specification, my invention comprises the devices described and claimed and the equivalents thereof.

In the drawings, Figure 1 is a front elevation of the cabinet, open. Fig. 2 is a horizontal section on line 2—2 of Fig. 1, the cabinet being closed. This view also shows in dotted lines the position of the cases and their connecting mechanism when the cabinet is opened. Fig. 3 is a perspective view of the upper part of the cabinet, partly opened, showing the two upper shelves. Fig. 4 is a plan view showing the segmental gears by which the two revolving cases are coupled together. Fig. 5 is a part sectional detail of one of the pivots by which the cases are revolubly mounted on the frame of the cabinet. Fig. 6 is a horizontal section on line 6—6 of Fig. 7 showing a modified form of cabinet and indicating by dotted lines the position of one of the sections when opened. Fig. 7 is a front view of the lower part of the cabinet, the positions of the shelves when closed being indicated by dotted lines.

As is clearly shown in the drawings, the cabinet consists in a frame 1, comprising a base 2, an upright back 3 fixed to the base and a forwardly-projecting top 4 secured at its rear edge to the upper end of the back 3. In this frame is pivotally mounted a pair of revoluble cases, one of which, as the right-hand case illustrated in Fig. 2 comprises a side member 5, which forms the side of the cabinet when the cabinet is closed, and a front member 6, which forms one-half of the front of the cabinet when the cabinet is closed. The other or left hand case is similarly provided with a side 7 and front 8.

A plurality of shelves 9 is mounted in each case, the shelves of one case being staggered with relation to the shelves of the other case so that when the cabinet is closed, the shelves of the two cases overlie each other and when the cabinet is open the vertical distance between any two shelves is approximately twice as great as the distance between the shelves when the cabinet is closed. Each shelf is provided with a side 9^a and bracket 10, upon which index cards may be placed.

Each revoluble case is secured at the top of its wall to the top of the cabinet by a pivot 11, and is secured at the bottom edge of its side wall to the base of the cabinet by a pivot 12. These pivots may be of any suitable construction, as that shown in Fig. 5, where 11^a is a lag-screw secured to the top 4 of the cabinet by means of a plate 11^b, the head of the lag-screw being received in a recess formed in the top 4. The lag-screw is screwed into the side 5 of the case.

The device by which the two revolving cases are coupled together comprises a pair of links 13 and 14 located between the base 2 and the bottoms of the revolving cases. These links are pivotally secured at their outer ends to the sides of the respective cases and at their inner ends are pivoted to levers

15 and 16 respectively. These levers are pivoted to the case 2 at 17 and 18 respectively. A pair of segmental gears 19 and 20 are mounted on the levers 15 and 16 and mesh together, as shown in Figs. 2 and 4. Preferably each of these pairs of gears is provided with a double set of teeth, as shown at 21 and 22, the upper set being staggered with relation to the lower set, in order to produce smoothness of action and minimize the play or back lash in the gears. A suitable stop 23 is provided at the top of the cabinet to prevent the cases being opened too wide. When either case is opened, the link 13 or 14 swings the corresponding lever 15 or 16 and operates the intermeshing gears so that a corresponding movement is simultaneously imparted to the other case, causing them to swing open or to close together.

By the means above described I have produced a cabinet of simple and neat construction and of artistic design, having great carrying capacity and also, by reason of the vertical distance between the shelves, affording easy access to the contents of the shelves, and I have provided a simple and inexpensive, yet durable device, whereby simultaneous opening or closing of both parts of the cabinet is effected when either part is actuated.

Having thus fully described my invention, what I claim and desire to secure by Letters Patent is:

In a cabinet, the combination of a frame comprising a base, an upright back fixed to the base, and a forwardly projecting top carried by the back, a pair of cases pivotally mounted in said frame, each case comprising a side and a front member, shelves carried by said cases, the shelves of one case being staggered with relation to the shelves of the other case, and means operatively connecting said cases and adapted to cause the cases to turn, their fronts moving forwardly and outwardly, to their open position, in which position the cases are disposed close together and side by side at the front of the frame, said means adapted to close the cases simultaneously when either case is operated.

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

JOHN HERZOG.

Witnesses:
NELLIE M. ANGUS,
JOSEPH V. CARPENTER.

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