

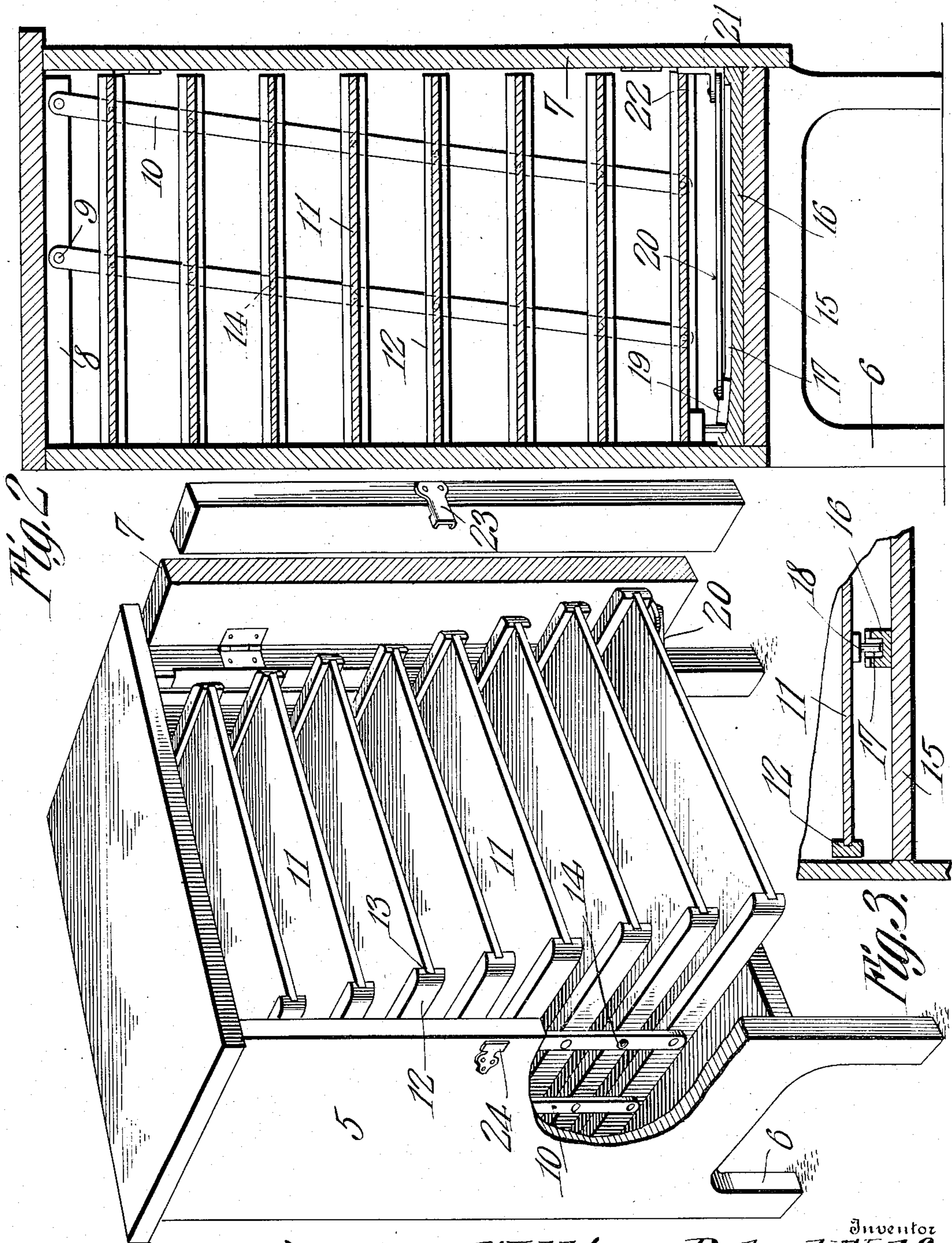
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CABINET.

APPLICATION FILED OCT. 5, 1908

924,027.

Patented June 8, 1909.



Witnesses  
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Fig. 1.

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# UNITED STATES PATENT OFFICE.

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## CABINET.

No. 924,027.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed October 5, 1908. Serial No. 456,245.

*To all whom it may concern:*

Be it known that I, WILLIAM ROBERT WOLF, a citizen of the United States, residing at Burlington, in the county of Des Moines and State of Iowa, have invented a new and useful Cabinet, of which the following is a specification.

This invention relates to cabinets and has for its object to provide a cabinet having a plurality of swinging shelves suspended within the same and movable to extended position at the front of the cabinet when the door is opened.

A further object is to provide means operable by the door for moving the forward edges of the shelves within the cabinet when the door is closed, and means for centering the bank of shelves within the cabinet when the door is in either open or closed position.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency.

Further objects and advantages will appear in the following description, 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 cabinet constructed in accordance with my invention, showing the door open and the shelves in extended position. Fig. 2 is a vertical sectional view, the door being shown in closed position. Fig. 3 is a detail sectional view of the longitudinal guide and its associated parts.

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

The cabinet forming the subject matter of the present invention comprises a casing or housing 5 preferably rectangular in shape, as shown, and provided with depending supporting feet 6, said cabinet being open at the front and provided with a swinging door 7 arranged to close the open front of said cabinet when the device is not in use. Arranged within the casing and secured to the side walls thereof are transverse cleats 8 to which are pivotally connected at 9 spaced depending suspension bars 10. Interposed between the bars 10 on the opposite sides of the cabinet are a plurality of spaced shelves or trays 11 having their opposite ends rein-

forced and strengthened by the provision of transverse strips 12, which latter are provided with seating grooves 13 for the reception of the trays or shelves, as shown. Extending laterally from each transverse end strip 12 are spaced pins 14 which extend through suitable apertures in the adjacent suspension bars 10 and form a pivotal connection between the supporting shelves and said bars. The suspension bars 10 are normally disposed at an angle or inclination to the vertical axis of the casing so that when the door is opened the forward edges of the supporting shelves will be moved to extended position at the front of the cabinet, as best shown in Fig. 1 of the drawings. Secured to the base 15 of the casing is a transverse bar 16 having a longitudinal slot 17 formed therein, which latter forms a guide for a pin 18 depending from the lower supporting shelf at the rear end of the latter. Mounted for longitudinal movement in the guiding-groove 17 is a slide or block 19 to which is pivotally connected one end of a link or lever 20, the opposite end of said link or lever being pivotally connected at 21 with a bracket 22 secured to the inner face of the door 7 so that when said door is moved to closed position the block 19 will engage the pin 17 and move the projecting edges of the supporting shelves within the casing, as best shown in Fig. 2 of the drawings.

Attention is here called to the fact that the pin 18 serves to center the supporting shelves within the cabinet when the latter are moved to operative and inoperative positions and also serves to receive the impact of the slide or block 19 when the door is closed.

The door 7 is provided with a suitable catch 23 arranged to engage a keeper 24 secured to one side of the cabinet for locking the door in closed position.

The shelves 11 are supported within the cabinet in such a manner that when the catch 23 is released the lower shelves in the bank will bear against the door and automatically move the latter to open position. It will thus be seen that when the door is opened the forward edges of the shelves will be projected beyond the vertical plane of the cabinet at the front thereof, but when the door is moved to closed position the block 19 through the medium of the link or lever 20 will bear against the pin 18 and return the shelves to normal position within the cabinet.

It will of course be understood that the cabinets may be made in different sizes and shapes and provided with any number of supporting shelves.

5 Having thus described the invention what is claimed is:—

1. A cabinet including a door having a fastening device, and a supporting shelf suspended within the cabinet and movable automatically to open the door when the fastening device is released.

2. A cabinet including a door having a fastening device, and a supporting shelf suspended within the cabinet and movable automatically to successively open the door and project the forward edge of said shelf through the door opening when the fastening device is released.

3. A cabinet including a door having a fastening device, a bank of shelves suspended within the cabinet, and inclined bars pivotally connected with the cabinet and shelves, respectively, and normally inclined in the direction of the back of the cabinet, said shelves being movable to extended position at the front of the cabinet and adapted to automatically open the door when the fastening device is released.

4. A cabinet having a door, a bank of supporting shelves suspended within the cabinet and movable to extended position at the front of the latter when the door is open, means carried by one of the shelves and co-acting with the base of the cabinet for centering the shelves with respect to the side walls of said cabinet, and a connection between the door and one of the shelves for moving the projecting edges of all of said shelves within the cabinet when the door is closed.

5. A cabinet having a door, a bank of supporting shelves suspended within the cabinet and movable to extended position at the front of the latter when the door is opened, a guide secured to the base of the cabinet, a pin depending from one of the supporting shelves and operating within the guide, and means carried by the door and adapted to engage the pin for moving the projecting edges of the shelves within the cabinet when the door is closed.

6. A cabinet having a door, a bank of

shelves suspended within the cabinet and movable to extended position when the door is opened, a transverse bar secured to the base of the cabinet and having a longitudinal groove formed therein, a pin depending from one of the supporting shelves, a slide operating within the groove, and a pivotal connection between the slide and door for moving the projecting edges of the shelves within the cabinet when the door is closed.

7. A cabinet having a door, transverse cleats secured to the side walls of the cabinet, a bank of supporting shelves suspended within the cabinet, inclined bars pivotally mounted on the cleats and pivotally connected with the supporting shelves, said bars being arranged to move the shelves to extended position at front of the cabinet when the door is opened, a bar secured to the base of the cabinet and having a longitudinal groove formed therein, a pin depending from the lower shelf and operating within the groove, a block slidably mounted within said groove in advance of the pin, a bracket carried by the door and a pivotal connection between the bracket and block.

8. A cabinet having a door, a bank of horizontally disposed supporting shelves suspended within the cabinet and each provided with oppositely disposed end pieces, transverse cleats arranged within the cabinet near the upper end thereof, inclined bars pivotally mounted on the transverse cleats and having spaced apertures formed therein, pins secured to the end pieces of the supporting shelves and extending loosely through the apertures in the bars, a transverse bar disposed beneath the supporting shelves and having a longitudinal guide groove formed therein, a pin depending from the rear end of the lowest supporting shelf and projecting within the guide groove, a block slidably mounted in said groove, a bracket secured to the door, and a link forming a pivotal connection between the bracket and said block.

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

WILLIAM ROBERT WOLF.

Witnesses:

S. D. BLANKE,  
Jos. W. KOLZ.