No. 769,705. PATENTED SEPT. 13, 1904.

J. MAURO.

SECTIONAL BOOKCASE.

APPLICATION FILED APR. 14, 1904.

NO MODEL.

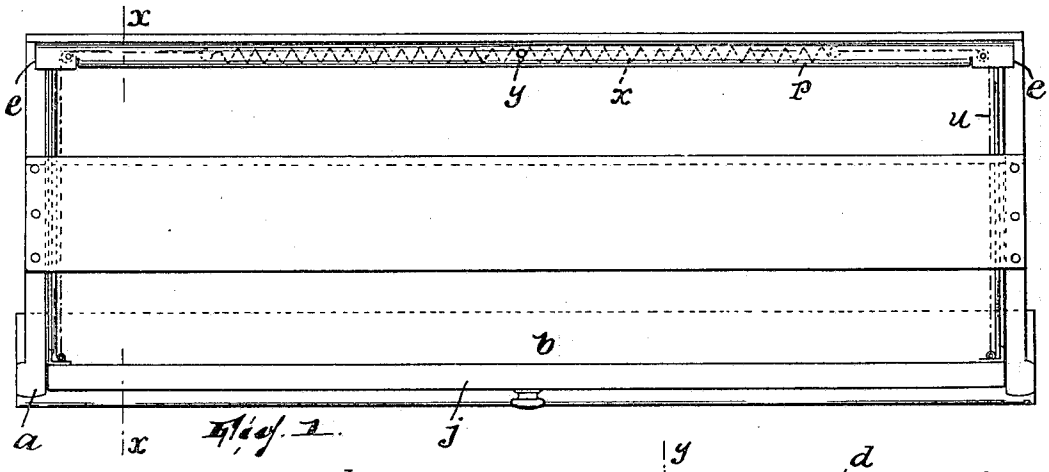

Fig. 1.

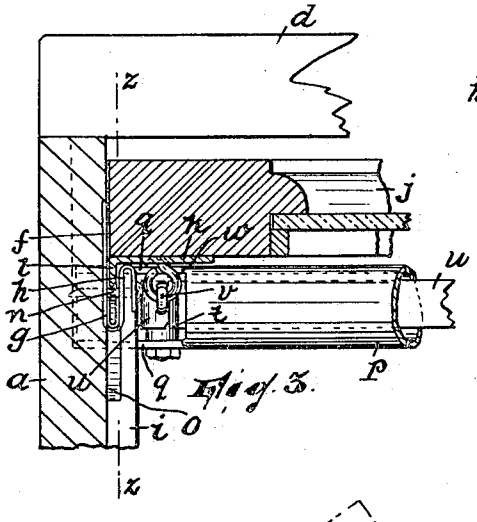

Fig. 3.

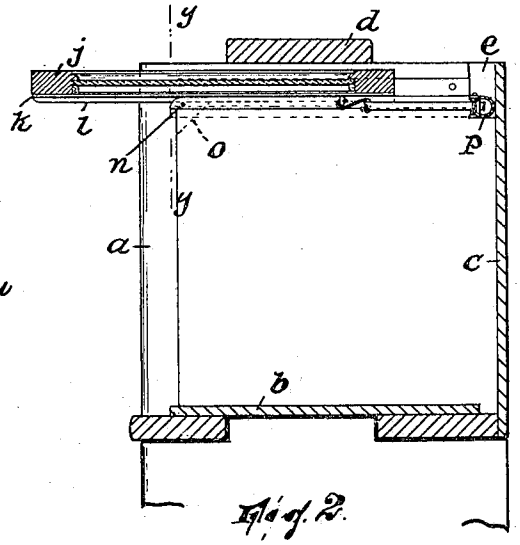

Fig. 2.

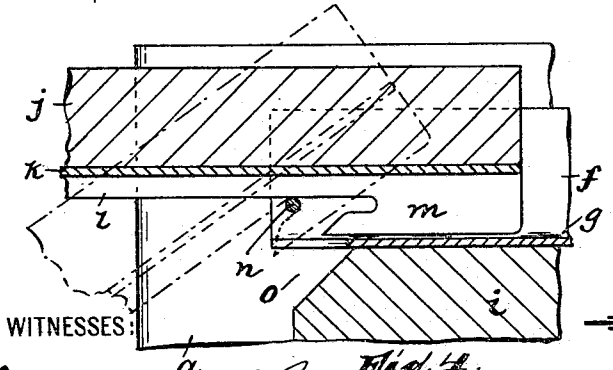

Fig. 4.

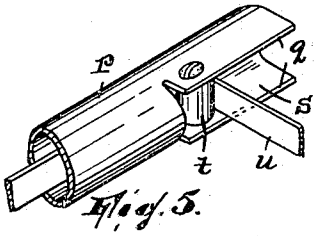

Fig. 5.

WITNESSES:

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No. 769,705. Patented September 13, 1904.

UNITED STATES PATENT OFFICE.

JOHN MAURO, OF PATERSON, NEW JERSEY, ASSIGNOR OF ONE-HALF TO THOMAS F. O'GRADY, OF PATERSON, NEW JERSEY.

SECTIONAL BOOKCASE.

SPECIFICATION forming part of Letters Patent No. 769,705, dated September 13, 1904.

Application filed April 14, 1904. Serial No. 203,114. (No model.)

To all whom it may concern:

Be it known that I, JOHN MAURO, a citizen of the United States, residing in Paterson, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Sectional Bookcases; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to sectional cabinets of the type wherein the front wall or door is adapted to be turned up as on a pivot and let back into the top portion of the cabinet in guideways.

The object of the invention is to improve the construction of such cabinets with a view principally to simplifying them, facilitating the assembling of their various parts in manufacture and access to them in making repairs, and avoiding all binding or other irregularities in the action of the working parts.

The invention will be found illustrated in the accompanying drawings, wherein—

Figure 1 is a top plan view of one unit or section of the cabinet. Fig. 2 is a sectional view taken on the line x x in Fig. 1 and looking toward the left in said figure. Fig. 3 is a sectional view, somewhat enlarged, taken on the line y y in Fig. 2 and looking toward the rear in said figure. Fig. 4 is a sectional view, also enlarged, taken on the line z z in Fig. 3 and looking toward the left in said figure; and Fig. 5 illustrates a detail.

The sides a, bottom b, back c, and top or strengthening piece d of the body of each unit or section are substantially the same as in other well-known forms of such cabinets, except that the side walls are recessed, as at e, at the top adjacent the back wall c for a purpose hereinafter indicated.

f represents metallic plates (one of which is secured to each side a) having their lower portions bent first upwardly and then down again, so as to form a groove or guideway g and an elongated pocket h, which receives the upper edge of a lining-veneer i, which is secured against each side wall a. This arrangement gives rigidity and strength to the whole structure at this point.

j designates the door or front wall. This is provided with metallic wearing-strips k, secured to its inner face along its side edges, said wearing-strips being adapted to bear against the portion of the plates f which are bent over the upper edges of the veneers i, as best shown in Fig. 3, and having their outer edges bent at right angles to the body portions thereof, thus forming flanges l, which work in the guideways g. The rear ends of the flanges are formed as flat hooks m, which when the door is drawn out of the cabinet to its full extent engage pivots n, which penetrate the rebent portions of the plates f near their front ends, as well as veneers i, being driven into the side walls a. The veneers are recessed or pocketed, as at o, adjacent these pivots, so that the hooks will have clearance when the door is dropped into the vertical position.

p is a tubular metallic casing whose end portions fit into the recesses e in the side walls. Partly to prevent the tube from turning over and partly to admit certain straps hereinafter referred to the ends of the tube are slit for a short distance inwardly and transversely and the portions of the metal freed by the slit laid open parallel to each other, so that the edges q will take squarely against the sides of the recesses e. Opposite the openings s thus formed in the tube are journaled vertical rollers t, and around these rollers pass straps u, having hooks v, whereby they may be detachably connected with eyelets w on the door j. The rear ends of the straps extend into the casing p and are connected to a spiral spring x, inclosed in said casing and centered by means of a pin y penetrating the casing near the middle portion thereof.

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

1. In a unit or section for a sectional book-

case, the combination of the body portion, a door or movable front wall therefor, guideways formed for the door in the top of said body portion, a longitudinally-elastic device arranged substantially parallel with the door, straps connecting the ends of said elastic device with the door, and guiding means for the straps arranged substantially opposite the points of securing said straps to the door, substantially as described.

2. In a unit or section for a sectional bookcase, the combination of the body portion, a door or movable front wall, guideways formed for the door in the top of said body portion, a spiral spring arranged substantially parallel with the door, an elongated casing inclosing said spring and mounted in the body portion, straps connecting the ends of said spring with the door, and guiding means for the straps arranged in said casing substantially opposite the points of securing said straps to the door, substantially as described.

3. In a unit or section for a sectional bookcase, the combination of the body portion, a door or movable front wall, guideways formed for the door in the top of said body portion, a spiral spring arranged substantially parallel with the door, an elongated casing inclosing said spring and removably mounted at its ends in the side walls of said body portion, straps connecting the ends of said spring with the door and removably attached to the latter, and guiding means for the straps arranged in said casing opposite the points of securing said straps to the door, substantially as described.

4. In a unit or section for a sectional bookcase, the combination of the body portion, a door or movable front wall, a metallic horizontal guideway for the door secured against each side wall of the body portion, metallic wearing-strips secured to the inner face of said door and having flanges arranged in opposition to said guideways and having hooks at their rear ends, and pivots secured in said side walls near the front ends of said guideways and adapted to be engaged by said hooks, substantially as described.

5. In a unit or section for a sectional bookcase, the combination of the body portion, a door or movable front wall, elongated plates secured horizontally to the side walls of said body portion and having their lower portions bent first upwardly and then downwardly to form a horizontal bearing-surface, and wearing-strips secured against the inner face of said door in contacting opposition to said bearing-surfaces of the plates, substantially as described.

6. In a unit or section for a sectional bookcase, the combination of the body portion, a door or movable front wall, elongated plates secured horizontally to the side walls of said body portion and having their lower portions bent first upwardly, to form a groove or guideway, and then downwardly to form a horizontal bearing-surface, and wearing-strips secured against the inner face of said door in contacting opposition to said bearing-surfaces of the plates and having flanges adapted to enter said guideways, substantially as described.

7. In a unit or section for a sectional bookcase, the combination of the body portion, a door or movable front wall, veneers secured to said side wall, elongated plates secured horizontally to the side walls of said portion and having their lower portions bent first upwardly and then downwardly over and thus receiving the upper edges of the veneers, and metallic wearing-strips secured to the inner face of said door in contacting opposition to the portions of said plates which extend over the top of said veneers, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of April, 1904.

JOHN MAURO.

Witnesses:
JOHN W. STEWARD,
ROBERT J. POLLITT.