

S. MITTELBURG.
 DISPLAY DEVICE.
 APPLICATION FILED OCT. 2, 1917.

1,315,524.

Patented Sept. 9, 1919.
 2 SHEETS—SHEET 1.

Fig-1-

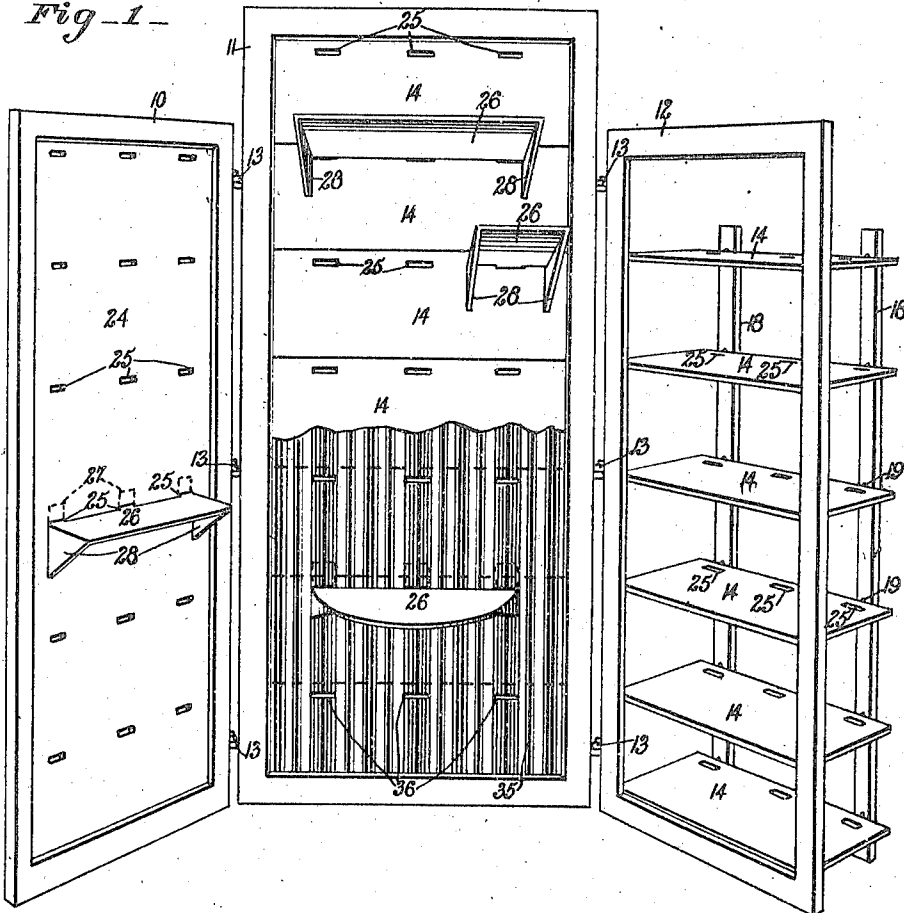
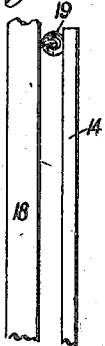


Fig-4-



WITNESSES

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Fig-2-

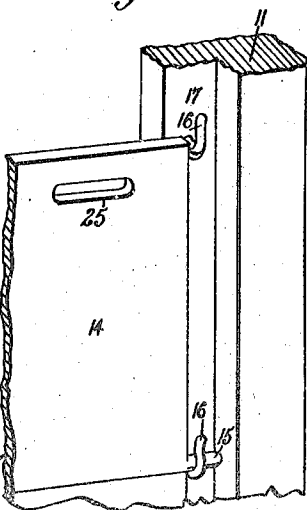
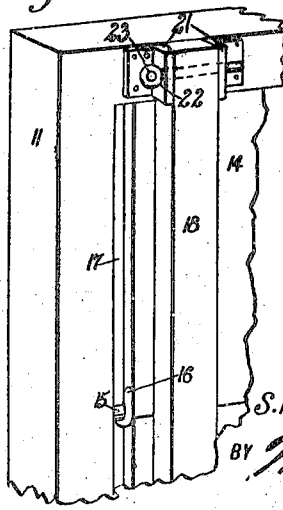


Fig-3-



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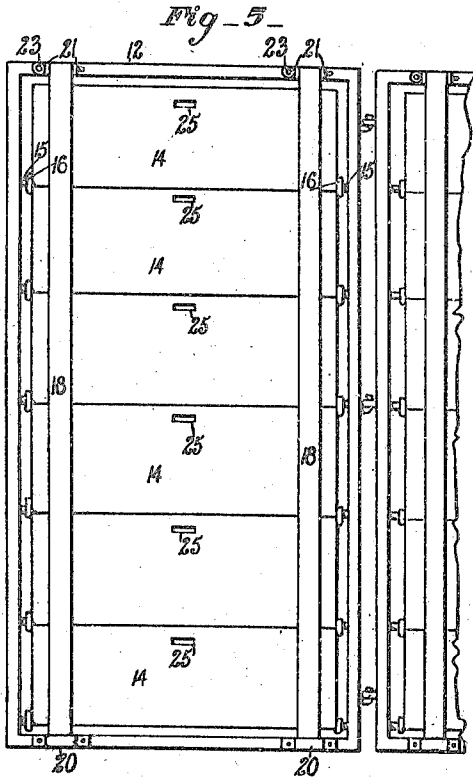
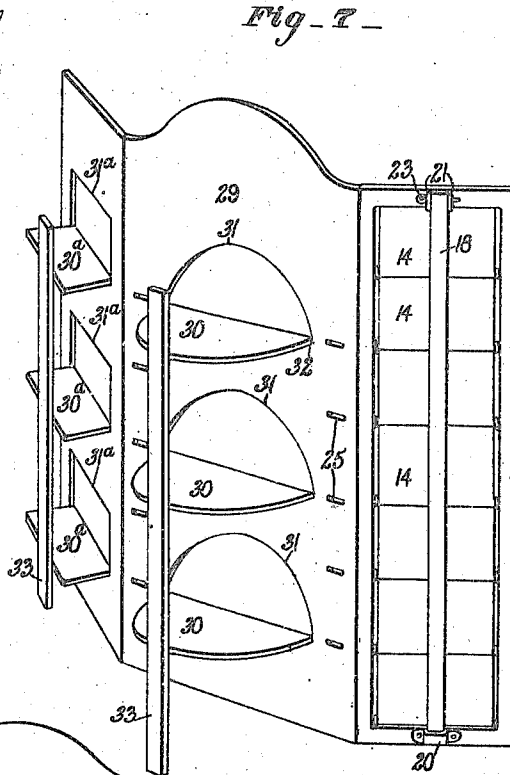
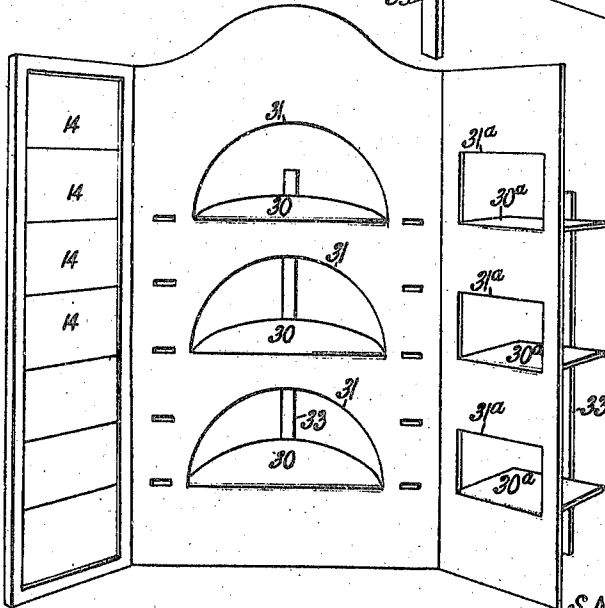


Fig - 6 -



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SAUL MITTLEBURG, OF ALTOONA, PENNSYLVANIA.

DISPLAY DEVICE.

1,315,524.

Specification of Letters Patent.

Patented Sept. 9, 1919.

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To all whom it may concern:

Be it known that I, SAUL MITTLEBURG, a citizen of the United States, and a resident of Altoona, in the county of Blair and State of Pennsylvania, have invented a Display Device, of which the following is a full, clear, and exact description.

My invention has for its object to provide a frame having an opening with one or more shelves hinged to the frame at the opening, the shelves being supported by a standard when in a horizontal position and the shelves serving as a panel when moved to a vertical position in the longitudinal plane of the frame.

Another object of the invention is to provide brackets with upwardly extending tongues for disposal through openings in the shelves when they are in a vertical position, the upwardly extending tongues engaging the rear of the shelves while depending legs on the brackets engage the front of the shelves.

Additional objects of the invention will appear in the following specification, in which the preferred form of my invention is described;

In the drawings similar reference characters refer to similar parts in all the views, in which—

Figure 1 is a front elevation illustrating my invention;

Fig. 2 is a fragmentary sectional view illustrating the manner in which the shelves are hinged to the frame;

Figs. 3 and 4 are fragmentary views illustrating how the standard is hinged to the shelves and the manner in which the standard is secured to the frame when the shelves are in a vertical position;

Fig. 5 is a fragmentary rear elevation of Fig. 1, and

Figs. 6 and 7 are perspective views illustrating a modified form of the invention.

By referring to the drawings it will be seen that a plurality of frames 10, 11 and 12 are provided, the frames 10 and 12 being hinged to the frame 11 at 13. A plurality of shelves 14 are provided to fill the openings in the frames 11 and 12 and to serve as panels. These shelves 14 are shown in a vertical position and in the longitudinal plane of the frame 11, the shelves 14 which are connected with the frame 12 being disposed in a horizontal position. The shelves

14 have pins 15 extending from their sides adjacent their bottom, as illustrated in Fig. 2 of the drawings, and these pins 15 engage hooks 16 which extend rearwardly in recesses at the sides of the frames 11 and 12 so that the shelves 14 will be hinged to the frames 11 and 12 and may be moved readily from a vertical position to a horizontal position.

When the shelves 14 are in a vertical position they fill the opening in the frame as illustrated in connection with the frame 11 in Fig. 1 of the drawings. When the shelves 14 are in a horizontal position they are supported at their rear edges by standards 18, the rear edges of the shelves 14 being connected with the standards 18 by means of interengaging eye-screws 19, as best illustrated in Fig. 4 of the drawings.

When the shelves 14 are disposed horizontally and are supported by the standards 18, desired articles may be disposed on the shelves for display, but when desired the shelves 14 may be moved on their hinged connection, which has been described, to vertical positions to fill the opening in the frame and when moved to the said vertical positions the standards 18 may be secured to the frame. Sockets 20 are secured to the bottoms of the frames in which the bottoms of the standards 18 may be disposed, the upper ends of the standards 18 fitting between flanges 21 which have orifices 22 which register with an orifice in the standard 18 and through which a pin 23 may be disposed. Inasmuch as the recesses 17 are of substantially the same depth as the thickness of the shelves 14, it will be seen that when they are moved to vertical positions and in the recesses and the standards 18 engage the outer surfaces of the frame at its top and bottom, that the shelves 14 will be held against movement. If desired, the shelves 14 may all be disengaged from the hooks 16 and may be removed from the frame and a single panel 24 may be substituted, this single panel 24 being secured in the frame by any desired means. In Fig. 1 of the drawings I show this panel 24 secured in the frame 10.

The shelves 14 are preferably provided with openings 25 adjacent their upper edges when the shelves are in a vertical position so that brackets 26 may be conveniently supported by the shelves 14. These brackets

ets 26 have upwardly extending tongues 27 which project through the openings 25 and engage the rear of the shelves 14, the brackets 26 having depending legs 28 which engage the front of the shelves. Inasmuch as the articles which may be placed on the brackets will serve to move the tongues outwardly and the depending legs inwardly, the brackets 26 will be supported by the means which have been described. I prefer to make the tongues 27 of sufficient length to engage not only the rear of the shelf which has the openings 25 through which the tongues are disposed, but also the rear of the shelf disposed thereabove.

In the modified form of the invention, illustrated in Figs. 6 and 7, a panel 29 is shown which is preferably constructed of cardboard, and which has shelves 30 which are cut from the cardboard at 31 and which are bent at 32 so that the shelves 30 may be moved to horizontal positions, as illustrated in Figs. 6 and 7. In this construction a plurality of openings are made in the panel 29 with a shelf 30 at each opening which may be disposed horizontally to serve as a shelf, or which may be moved to a vertical position to close the opening. Hinged to the shelves 30 there is a standard 33 which will support the shelves 30 when they are disposed in a horizontal position. It will, of course, be understood that the cuts 31 made in the panel 29 may be curved as shown, or if desired, the cuts may be made angular as shown at 31^a. In the former case the edges of the shelves 30 will be curved, while in the latter case the shelves will be rectangular, as shown at 30^a.

When the shelves are in a vertical position and are disposed to fill the opening in the frame, they may be covered by a member 35 in which may be made, as desired, openings 36 registering with the openings 25.

Having thus described my invention, I claim as new and desire to secure by Letters Patent;

1. In a display device, a frame having an opening, a shelf hinged at one edge to the frame for disposal in the opening in the longitudinal plane of the frame with its said edge at its bottom, a vertical standard hinged to the opposite edge of the shelf and extending above and below the shelf for supporting the shelf in closed and open position, and locking means for cooperating with the standard above the shelf for holding the latter in the longitudinal plane of the frame.

2. In a display device, a frame having an opening extending through its front and rear, a shelf hinged to the frame for disposal in the opening in the longitudinal plane of the frame, a vertical standard hinged to the shelf for supporting the shelf in horizontal position, and means for se-

curing an end of the standard to the frame for holding the shaft in the opening in the longitudinal plane of the frame.

3. In a display device, a frame having an opening, a plurality of shelves pivoted at their front edges to the frame at points spaced apart for disposal in the longitudinal plane of the frame for closing the opening, and a standard hinged to the rear edges and intermediate the sides of the shelves and serving as a support for the shelves when they are disposed in horizontal position.

4. In a display device, a frame having an opening, a shelf hinged to the frame at its front edge at the said opening for disposal in the opening in the longitudinal plane of the frame, and a movable standard articulated to the rear edge of the shelf intermediate of its sides for supporting the shelf in position at angles to the said opening.

5. In a display device, a frame having an opening, a shelf for disposal in the opening in the longitudinal plane of the frame, a pin and hook connection between the sides of the shelf and the frame at the sides of the opening therein which permits the ready removal of the shelf to permit of the substitution of a panel in the opening in the frame, and a standard hinged to the shelf for supporting the shelf in horizontal position.

6. In a display device, a frame having an opening, a plurality of shelves for disposal in the opening in the longitudinal plane of the frame for closing the opening, pin and hook connections between the sides of the shelves and the frame which permit the ready removal of the shelves, and a standard hinged to the rear edges of the shelves and intermediate of their sides for supporting the shelves in horizontal position.

7. In a display device, a frame having an opening, a shelf for disposal in the opening in the longitudinal plane of the frame, a pin and hook connection between the sides of the shelf and the frame at the sides of the opening therein which permits of the ready removal of the shelf from the frame, a standard hinged to the shelf for supporting the shelf in horizontal position, a socket at one end of the frame for receiving an end of the standard, and additional means to secure the standard to the frame.

8. In a display device, a frame having an opening, hooks spaced apart on the frame at each side of the opening, a plurality of shelves for disposal in the opening in the longitudinal plane of the frame for closing the opening, pins on the shelves normally disposed on the hooks, and a standard hinged to the shelves for supporting the shelves in open and closed positions.

9. In a display device, a frame having an opening, a plurality of shelves for disposal in the opening in the longitudinal

plane of the frame for closing the opening, pivotal means connecting the shelves with the frame beyond the opening which will permit of longitudinal movement of the shelves at the pivotal means relatively to the frame, a vertical supporting standard to which the shelves are hinged, and means to secure the standard to the frame to hold the shelves in the opening in the frame.

10 10. In a display device, a frame having an opening, a plurality of shelves for disposal in the opening in the longitudinal plane of the frame for closing the opening, pivotal means beyond the sides of the opening connecting the shelves with the frame at the opening which will permit of longitudinal movement of the shelves at the pivotal means relatively to the frame, and a vertical supporting standard to which the shelves are hinged.

20 11. In a display device, a frame having an opening, a shelf for disposal in the opening in the longitudinal plane of the frame

for closing the opening, pivotal members secured to the frame beyond the opening, 25 companion pivotal members secured to the shelf which normally engage the first pivotal members and have movement relatively thereto longitudinally of the frame, the second pivotal members being disengageable from the first pivotal members to permit of the removal of the shelf, and supporting means for the shelf.

12. In a display device, a frame having an opening, a plurality of shelves pivoted 35 at one set of edges to the frame at points spaced apart for disposal in the longitudinal plane of the frame for closing the opening, a standard hinged to the other set of edges of the shelves and extending above 40 the upper shelf and below the lower shelf, the standard serving to support the shelves in closed and open position, and locking means for cooperating with the standard above the shelf, for the purpose specified. 45

SAUL MITTLEBURG.