

H. HEIMANN.

SHOW CASE.

APPLICATION FILED JAN. 17, 1910.

953,615.

Patented Mar. 29, 1910.

3 SHEETS—SHEET 1.

Fig. 1.

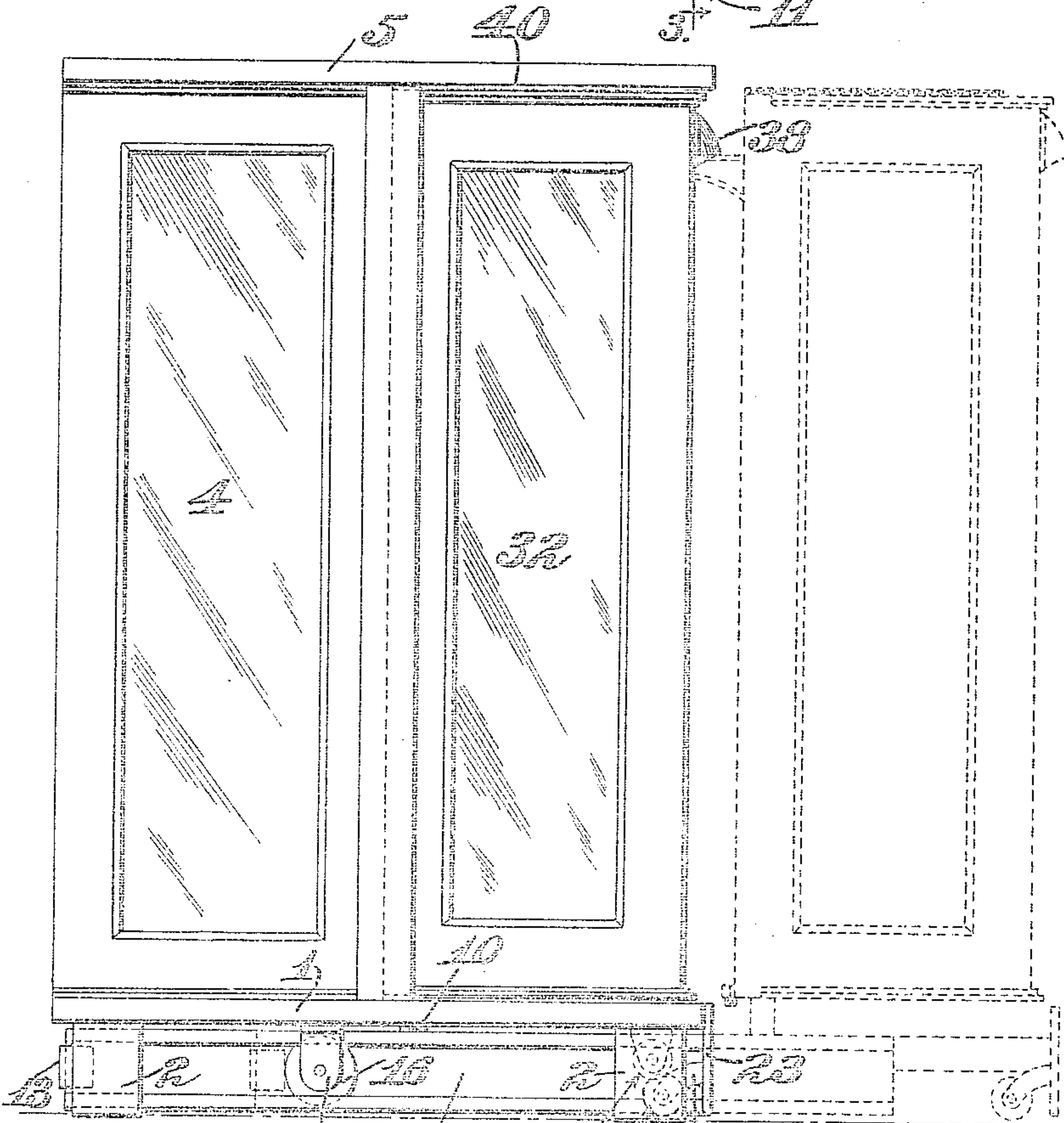
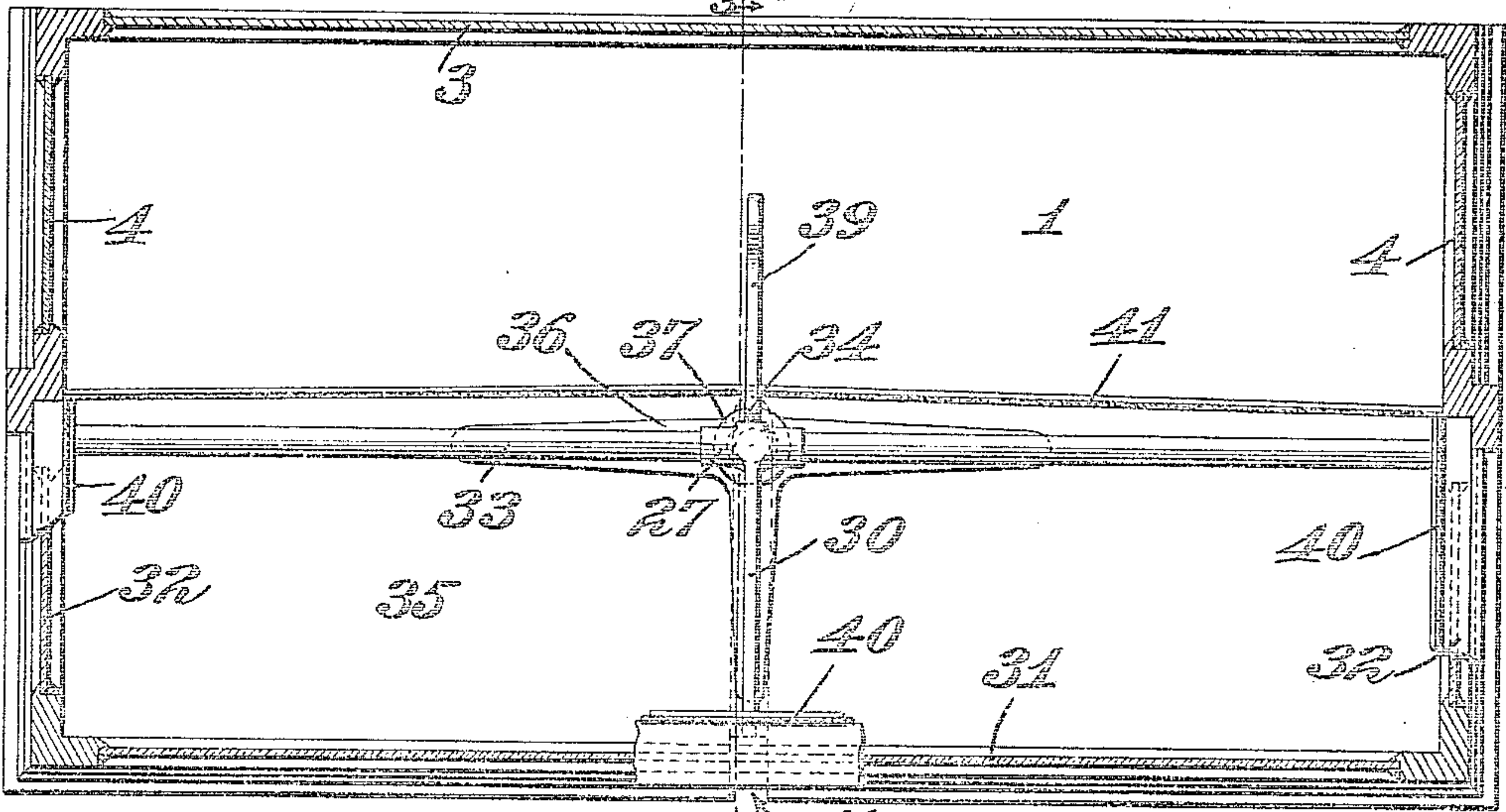


Fig. 2.

Witnesses:  
Edgar T. Farmer.  
G. A. Pennington.

Inventor:  
Hugo Heimann,  
By *[Signature]* Attys.







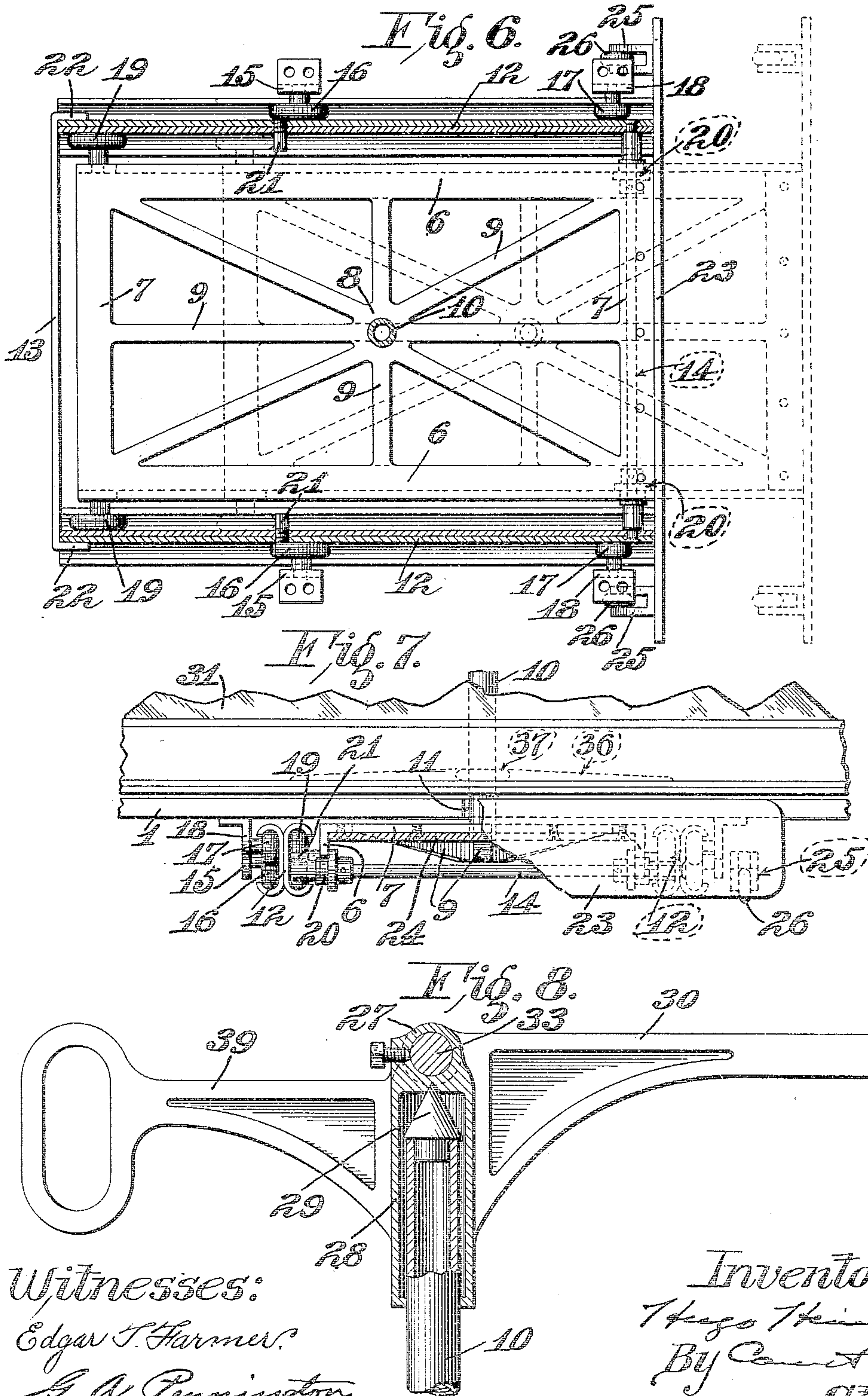
H. HEIMANN,  
SHOW CASE.

APPLICATION FILED JAN. 17, 1910.

953,615.

Patented Mar. 29, 1910.

3 SHEETS—SHEET 3.



Witnesses:

Edgar T. Harmer,

A. A. Pennington

Inventor:

Heinz Heimann,

By *Conrad & Co.*

Attys.



# UNITED STATES PATENT OFFICE.

HUGO HEIMANN, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE HEIMANN MILLER MANUFACTURING COMPANY, OF ST. LOUIS, MISSOURI, A CORPORATION OF MISSOURI.

SHOW-CASE.

953,615.

Specification of Letters Patent. Patented Mar. 29, 1910.

Application filed January 17, 1910. Serial No. 538,357.

*To all whom it may concern:*

Be it known that I, HUGO HEIMANN, a citizen of the United States, and a resident of the city of St. Louis and State of Missouri, have invented a new and useful Improvement in Show-Cases, of which the following is a specification.

This invention relates to show cases, display cabinets and the like.

It has for its principal objects to secure a maximum area of storage and display room with the utilization of a minimum area of floor space, and to attain certain other advantages hereinafter more fully appearing.

The invention consists in the parts and in the arrangements and combinations of parts hereinafter described and claimed.

In the accompanying drawings which form part of this specification and wherein like symbols refer to like parts wherever they occur, Figure 1 is a horizontal section through a show case embodying my invention; Fig. 2 is a side elevation of the show case with the separable section shown by dotted lines in extended position; Fig. 3 is a fragmentary vertical section through the bottom portion of the show case taken on the line 3—3 of Fig. 1; Fig. 4 is a similar view showing the extensible parts in extended position; Fig. 5 is a fragmentary vertical section showing the separable section of the show case turned on its pivotal support and moved back into opened position; Fig. 6 is a horizontal section through the trackways and showing the extensible carrier frame for the separable section of the show case in top plan; Fig. 7 is a fragmentary view, partly in front elevation and partly in vertical section, showing the carrier and trackways; and, Fig. 8 is an enlarged fragmentary view, partly in side elevation and partly in vertical section, showing the supporting bracket and brace which coöperates with the hanger bar and is swiveled on the supporting post.

The show case comprises a bottom member or floor 1 which is supported at its corners by legs or blocks 2. The case is further provided with a rear wall 3 and side walls 4. The side walls extend over approximately one half of the width of the case. The top 5 of the show case extends beyond the forward edges of the side walls 4 and overhangs the forward portion of the bottom which is not inclosed by any fixed side

and end walls. The side walls 4 and top 5 are preferably provided with transparent panels, but obviously, the case may be constructed as an ordinary cabinet without having transparent panels.

Beneath the bottom 1 is mounted an extensible carrier comprising a skeleton frame having side and end members 6, 7, respectively, and a central portion 8 which is connected to the side and end members by radial members 9. Extending vertically upward from the center portion 8 of the carrier frame is a post 10. This post projects through an elongated slot 11 in the bottom 1, which slot extends from a point approximately at the center of the bottom 1 to the front edge thereof. The extensible carrier further comprises a pair of double track members 12 which are connected at their inner ends by a cross member 13 and at their front ends by a cross rod 14, thus constituting a substantially rectangular frame.

Journaled on brackets 15 which are secured to the under side of the bottom 1 are rollers 16 on which the rear portions of the track members 12 travel. The forward portions of the track members are supported on rollers 17 which are mounted on brackets 18 on the under side of the bottom member 1 near the front edge thereof. These rollers 16, 17 coöperate with the outer channels of the track members 12. The carrier frame is provided on opposite sides near its rear end, with rollers 19 which are fitted to the inner channels of the track members; and the front end portion of the carrier frame runs on rollers 20 which are journaled on the cross rod 14 which connects the front ends of the track members. Extending inwardly from the track members 12 are pins or studs 21 which are arranged in the path of the rollers 19 on the carrier frame so that when the carrier frame is pulled forward, the rollers 19 will contact with the pins 21 and the continued forward movement of the carrier frame will carry the track members with it until stops 22 on the track members come in contact with the rollers 16. The stops 22 are preferably provided by turning the ends of the cross member 13 over the outer face of the vertical web of the track members 12.

The track members 12 are preferably each constructed of two channels placed back to back and having their web portions riveted



together. The flange portions of the channels are rounded; and the rollers which co-operate with said channels have rounded edges. Thus, the device may be readily  
 5 operated without binding as the arrangement tends to make it self-centering.

A plate 23 having a flange portion 24 is secured to the front end of the extensible carrier frame and it is extended on opposite sides of the frame to cover the front  
 10 ends of the track members 12 so as to hide the same and give a finish to the structure. On the inner face of this plate 23 near the ends thereof are secured brackets 25 on  
 15 which are journaled caster wheels 26. These wheels are located to normally clear the floor or surface on which the show case is placed, but they serve as supports for the front end of the carrier frame when it is  
 20 extended.

A center brace and carrier member 27 is swiveled on the upper end portion of the post 10. Preferably this member 27 has a cylindrical portion or barrel 28 which is  
 25 sleeved over the post and it is provided with an axial conical recess which fits over the apex portion of a conical bearing piece 29 which is fitted on the end of the post 10. This carrier member 27 has a bracket extension 30 which is secured at its end to the  
 30 upper portion of the end wall 31 of a separable and reversible case section whose side walls 32 are connected near their top edge by a cross bar 33. This cross bar 33 is fitted  
 35 through a transverse bore in the carrier member 27 and it is fastened in place by a set screw 34 or other suitable securing device. The separable and reversible case section is also provided with a bottom 35 on  
 40 which is secured a hinge member 36 having an eye or sleeve portion 37 which is sleeved on the lower portion of the post 10. This hinge member 36 is preferably made in the form of a spider and its legs are secured to  
 45 the bottom 35 of the separable case section so as to give stability to the structure. A handle 38 is provided on the outer side of the end wall 31 of the separable section of the show case for convenience in withdrawing  
 50 ing and turning the same; and the carrier member 27 is provided with a handle extension 39 opposite to its arm 30 for convenience in manipulating the separable section of the case when it is in open position.

55 The cross rod 33 which serves to support and brace the upper portions of the side walls 32 of the separable section of the case, is adapted to support the ordinary garment hangers and it is obvious that the show case  
 60 may be so proportioned that the rod extends substantially across the middle of the case when the same is closed. As the hangers are disposed transversely of the rod, the garments will be distributed evenly on each  
 65 side thereof.

When it is desired to gain access to the interior of the show case, the separable section is withdrawn as shown in Fig. 4. The peculiar construction of the extensible carrier and trackway beneath the base 1 permits  
 70 of this. After the parts have been moved to the position shown in Fig. 4, the separable case section is swung around on its supporting post 10 and the parts moved back into position shown in Fig. 5. In this position  
 75 of the parts, the separable case section is practically entirely under the top of the case and the projecting portions of the extensible carrier and trackways extend but a short distance beyond the front of the case,  
 80 thereby taking up but a small amount of aisle space. The outer edges of the garments which are hung on the hangers which are in turn suspended from the rod 33, extend substantially as far as the carrier member,  
 85 and thus said carrier member is practically guarded. That is, a person will not be liable to trip over the extended carrier member as the same will be cleared as the person passes clear of the garments.  
 90

By providing the case with a separable and reversible section, and having the supporting bar therein for the hangers extend parallel with the front wall of the case and  
 95 close to the open side of the separable section, the bar is in convenient reach when it is desired to place the hangers thereon or remove the same therefrom; and the garments project partially outside of the case. This  
 100 is an advantage over the ordinary form of cabinet or show case which is provided with a front door or doors and having an extensible hanger rack or bar which is adapted to be withdrawn outside of the cabinet and  
 105 thereby takes up considerable aisle space, as provision has to be made for entirely withdrawing the rack for convenience in removing the innermost garments thereon.

To exclude dust from the interior of the show case when it is closed, as shown in  
 110 Figs. 1, 2 and 3, strips 40 of felt or other suitable material are secured along the top edges of the side walls 32 and front wall 31 of the separable section so as to close the space between the top 5. A strip 41 is also  
 115 provided along the inner edge of the bottom 35 of the separable section to close the space between the bottom 1. If desirable, however, the dust-excluding strips may obviously be secured on the fixed portions of the  
 120 case instead of the separable section as shown.

Obviously, the device admits of considerable modification without departing from my invention. Therefore, I do not wish to  
 125 be limited to the specific arrangement and construction shown.

What I claim is:

1. A show case comprising a fixed section, an extensible carrier mounted on said fixed  
 130



section, and a separable and reversible section rotatably mounted on said extensible carrier and adapted to cooperate with said fixed section in either of its positions.

2. A show case having a fixed section comprising a bottom and a top, an end wall, and two side walls which extend over substantially one half of the width of the case, an extensible carrier mounted on said fixed section, and a separable and reversible section adapted to cooperate with the side walls and top and bottom of the fixed section to complete the case, said separable section being rotatably mounted on said extensible carrier.

3. A show case having a fixed section comprising a bottom and a top, an end wall, and two side walls which are of a width less than the width of the case, an extensible carrier mounted on the bottom of the case, and a separable case section rotatably mounted on said carrier and adapted to cooperate with the side walls and top and bottom of the fixed section to complete the case.

4. A show case having a fixed section comprising a top and a bottom, an end wall, and two side walls which are of a width less than the width of the case, an extensible carrier mounted on the bottom of the case, an upstanding post on said extensible carrier, and a separable case section swiveled on said upstanding post and adapted to cooperate with the side walls and top and bottom of the fixed section to complete the case.

5. A show case having a fixed section comprising a top and a bottom, an end wall, and two side walls, said side walls extending over substantially one half the width of the case, a separable and reversible case section comprising an end wall and two side walls which cooperate with the side walls and top and bottom of the fixed section to complete the case, an extensible carrier mounted on the bottom of the case, an upstanding post mounted on said extensible carrier and located so as to be near the center of the case when the carrier is retracted, a supporting bracket swiveled on the upper end portion of said post and secured to the end wall of said separable case section, and a cross rod secured to said swiveled supporting bracket and connecting the side walls of said separable case section.

6. A show case having a fixed section comprising a top and a bottom, an end wall, and two side walls, said side walls extending over substantially one half the width of the case, and said bottom having a slot extending from approximately the middle of the front edge thereof, a separable and reversible case section comprising an end wall and two side walls which cooperate with the side walls and top and bottom of the fixed section to complete the case, an extensible carrier mounted on the

under side of the bottom of the case, said carrier comprising a pair of parallel track members, a carrier frame mounted on said track members, an upstanding post mounted on said carrier frame and projecting through the slot in the bottom of said fixed case section, and a supporting member swiveled on the upper end portion of said upstanding post, said supporting member being rigidly connected to the side and end walls of the separable case section, whereby said separable case section is rotatably supported on said extensible carrier.

7. A show case having a fixed section comprising a top and a bottom, an end wall, two side walls, said side walls extending over substantially one half the width of the case, and said bottom having a slot therein which extends from approximately the middle to the front edge thereof, a separable and reversible case section comprising an end wall and two side walls which cooperate with the side walls and top and bottom of the fixed section to complete the case, an extensible carrier mounted on the under side of the bottom of the case, said extensible carrier comprising a pair of extensible track members, an extensible carrier frame mounted on said extensible track members, an upstanding post mounted on said extensible carrier frame and projecting through the slot in the bottom of said fixed case section, a supporting member swiveled on the upper end portion of said post, said supporting member being rigidly connected to the side and end walls of said separable case section, whereby said separable case section is rotatably supported on said extensible carrier.

8. A show case having a fixed section comprising a top and a bottom, an end wall, and two side walls, said side walls being of a width less than the width of the case, a separable and reversible case section comprising an end wall, two side walls, and a bottom, said separable case section being adapted to cooperate with the fixed section to complete the case, an extensible carrier mounted on the bottom of the case, an upstanding post mounted on said extensible carrier, a supporting member swiveled on the upper end portion of said upstanding post, said supporting member having a bracket extension rigidly connected to the end wall of said separable case section, and a supporting bar mounted on said swiveled supporting member and having its end portions rigidly connected to the side walls of said separable case section adjacent to the open side thereof.

9. A show case having a fixed section comprising a top and a bottom, an end wall, and two side walls, said side walls being of a width less than the width of the case, a separable and reversible case section com-



prising an end wall and two side walls which are adapted to cooperate with the side walls and top and bottom of the fixed section to complete the case, an extensible carrier mounted on the bottom of the case, an upstanding post mounted on said extensible carrier, said upstanding post having a conical bearing piece on its upper end, a supporting member having a sleeve portion swiveled on the upper end portion of said post and also having a counterpart recess which fits the apex portion of said conical bearing piece, a bracket extension on said supporting member rigidly connected to the end wall of said separable case section, a supporting rod mounted on said swiveled supporting member and having its ends rigidly connected to the side walls of said separable case section near the open side thereof, and a hinge member swiveled on the lower portion of said upstanding post and rigidly connected to the bottom portion of said separable case section.

10. A show case having a fixed section comprising a top and a bottom, an end wall, and two side walls, said side walls extending over substantially one half the width of the case, and said bottom having an elongated slot extending from approximately its middle to the front edge thereof, a separable and reversible case section comprising an end wall, two side walls, and a bottom, said separable case section being adapted to cooperate with the fixed section to complete the case, an extensible carrier mounted on the under side of the bottom of the fixed section, said extensible carrier comprising a parallel pair of extensible track members, an extensible carrier frame mounted on said track members, an upstanding post mounted on said carrier frame and extending through a slot in the bottom of the fixed case section, a conical bearing piece mounted on the up-

per end of said upstanding post, a supporting member having a sleeve portion swiveled on the upper end portion of said upstanding post and having a recess which fits the apex portion of said conical bearing piece, said supporting member having a rigid bracket extension which is connected to the end wall of said separable case section, a supporting rod mounted on said swiveled supporting member and having its end portions secured to the side walls of said separable case section near the open side thereof, and a hinge member swiveled on the lower portion of said upstanding post and rigidly connected to the bottom of said separable case section, whereby said separable case section is rotatably supported on the extensible carrier.

11. A show case comprising a fixed section and a separable and reversible section adapted to cooperate with said fixed section to complete the case, and an extensible carrier for said separable and reversible case section, said extensible carrier comprising a pair of parallel track members, said track members each having two oppositely disposed channels, supporting rollers mounted on said fixed case section, and cooperating with the outer channels of said track members, and a carrier frame having rollers at its rear end portion which cooperate with the inner channels of said track members, and rollers mounted on the front end portion of said track members and arranged to support the forward portion of said carrier frame.

Signed at St. Louis, Mo., this 10th day of January, 1910.

HUGO HEIMANN.

In the presence of—

G. A. PENNINGTON,  
J. B. MEGOWN.