

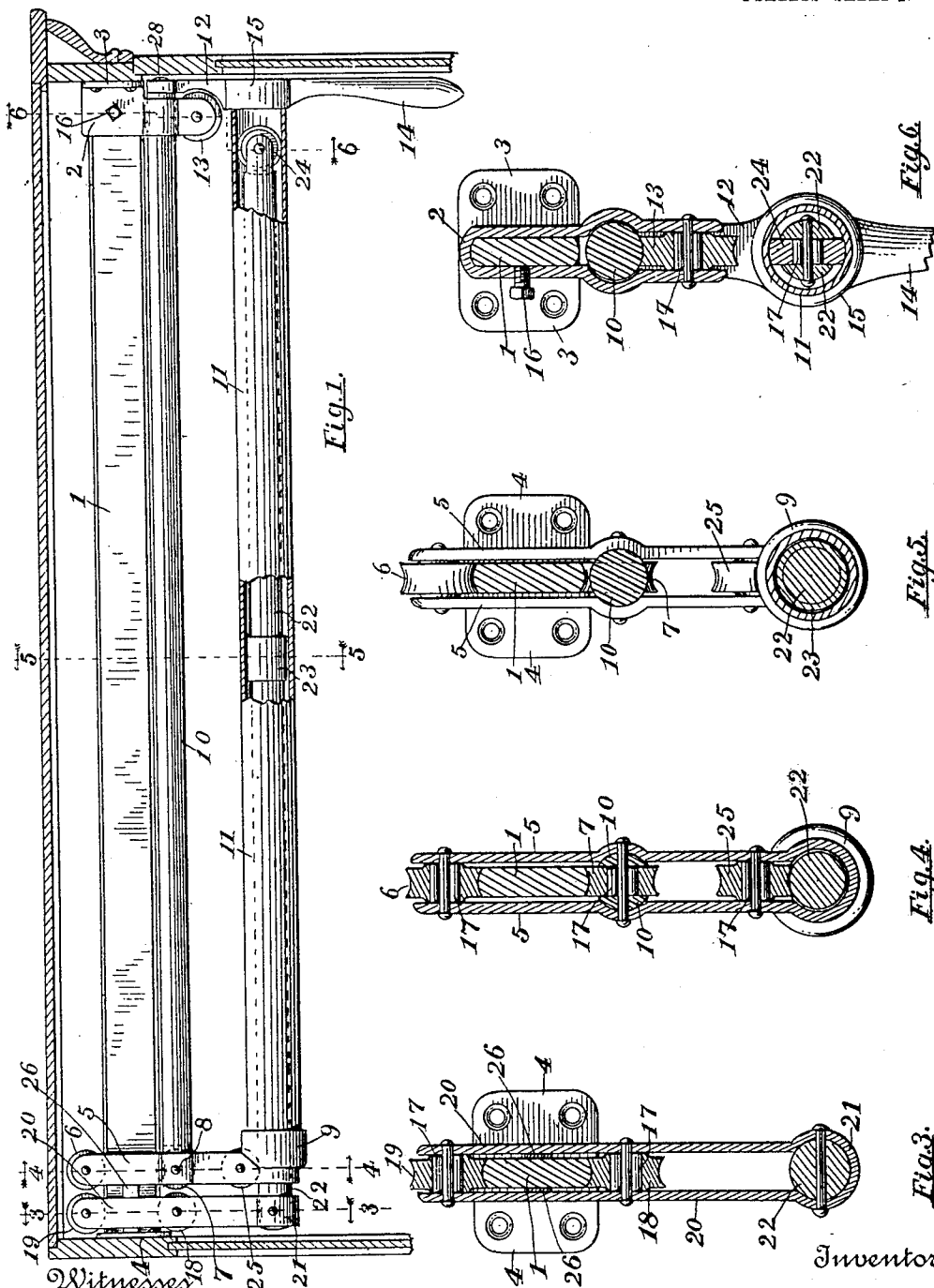
No. 872,401.

PATENTED DEC. 3, 1907.

J. T. BATTS.  
GARMENT SUPPORT FOR WARDROBES.

APPLICATION FILED NOV. 21, 1906.

4 SHEETS—SHEET 1.



Palmer Agnew.  
Georgiana Chace

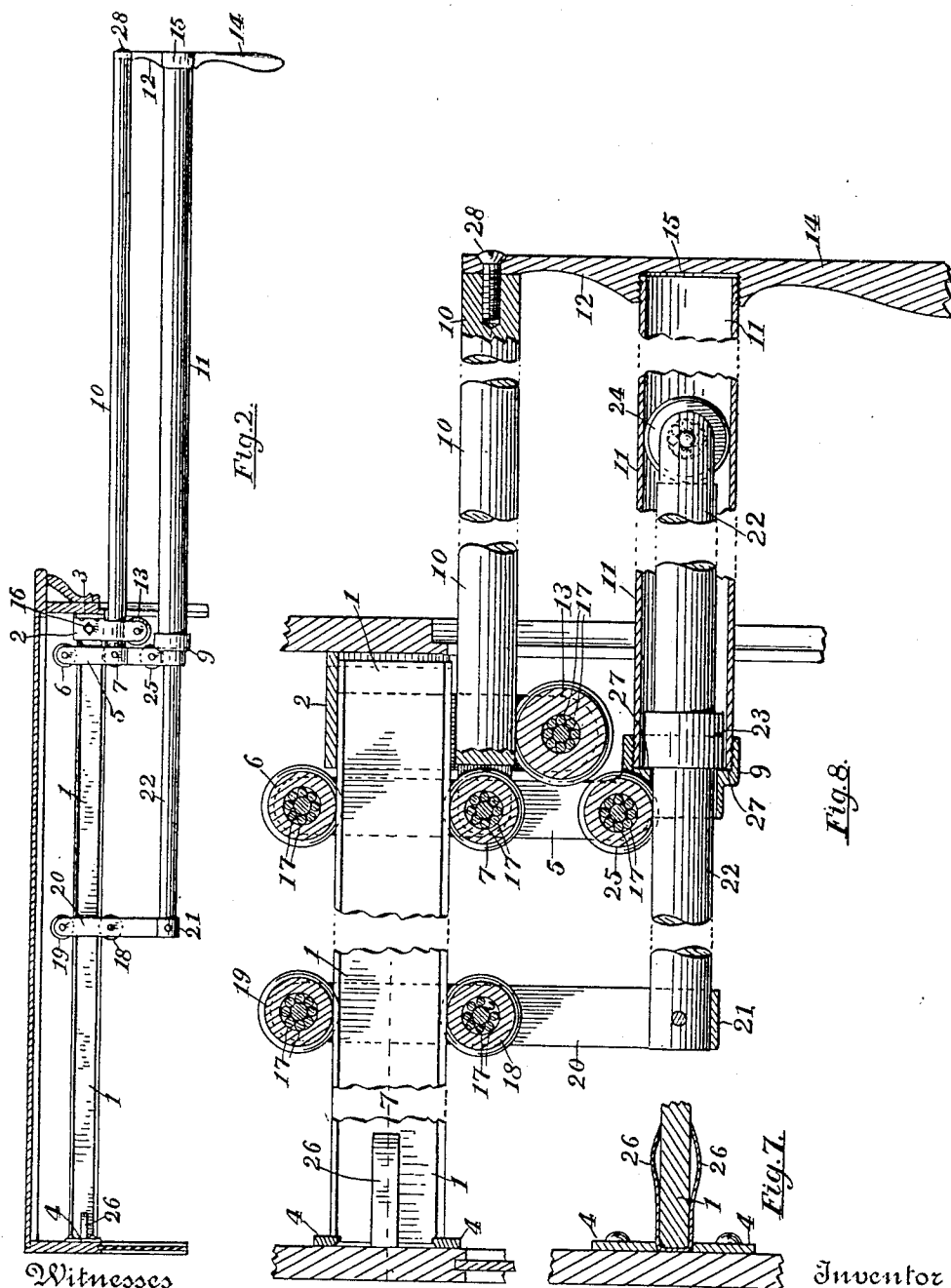
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4 SHEETS—SHEET 2.



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4 SHEETS—SHEET 3.

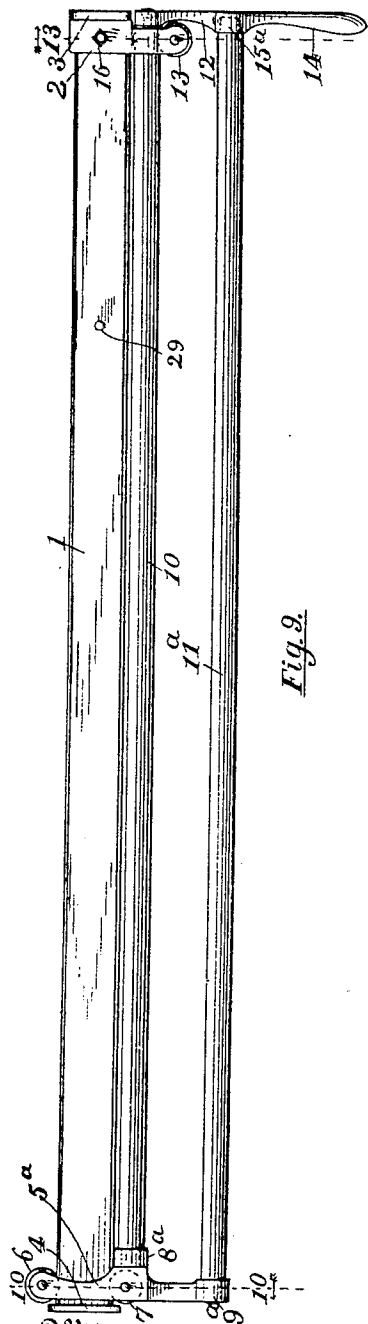


Fig. 9.

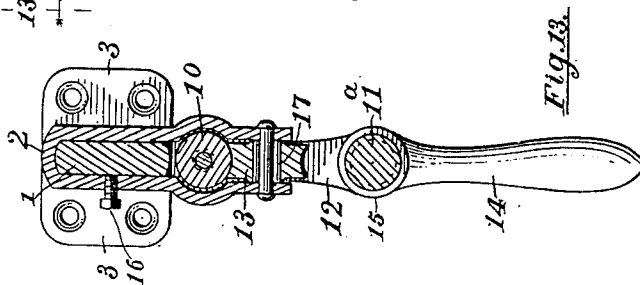


Fig. 13.

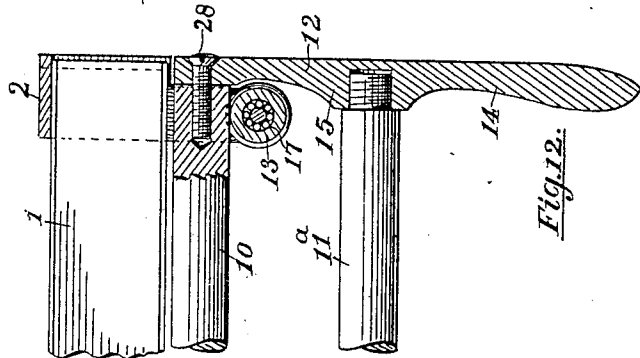


Fig. 12.

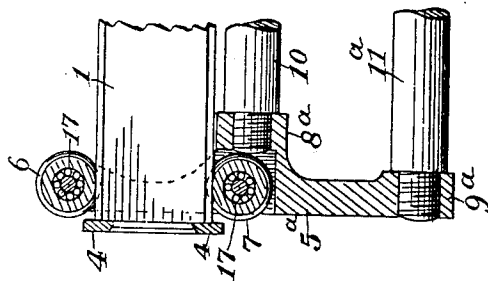


Fig. 11.

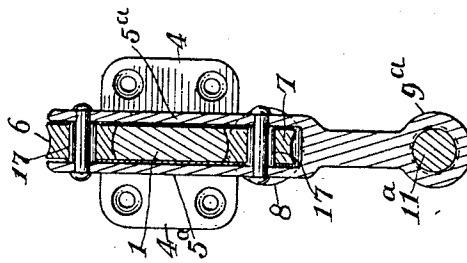


Fig. 10.

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4 SHEETS—SHEET 4.

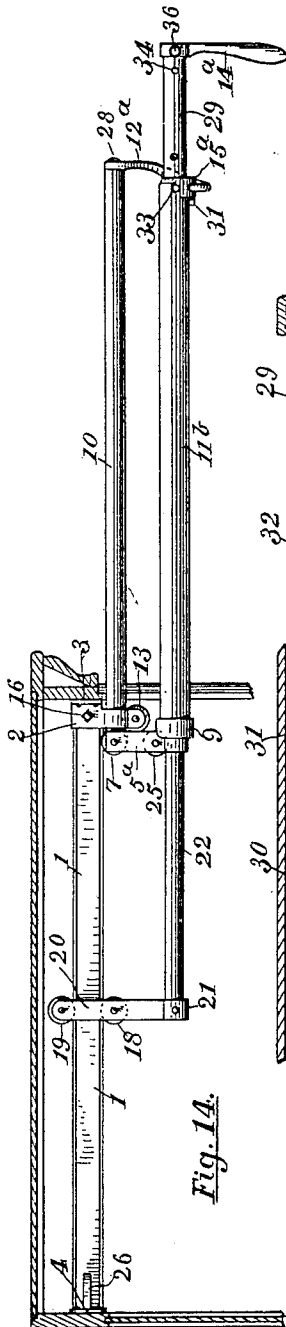


Fig. 14.

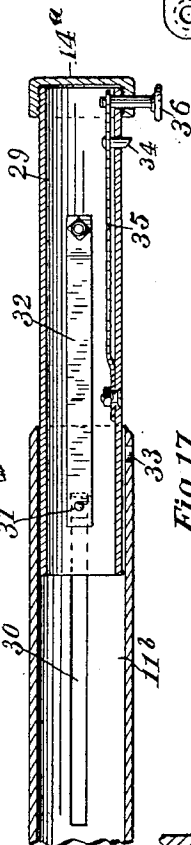


Fig. 17.

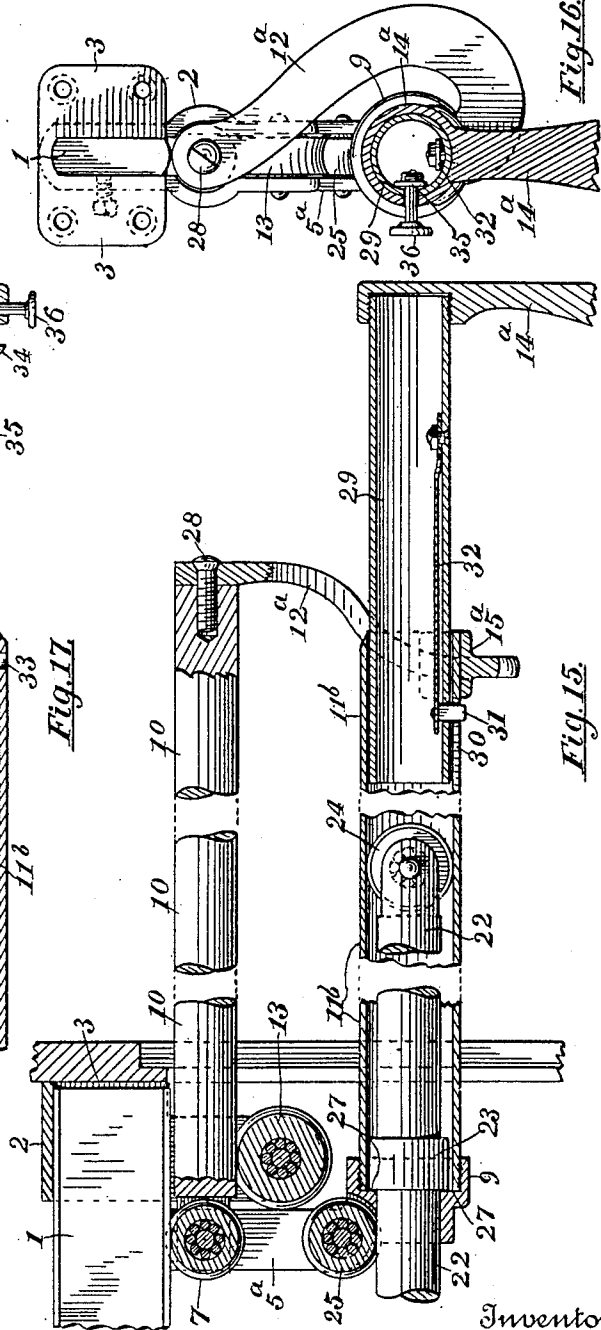


Fig. 15.

Fig. 16.

Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN THOMAS BATTS, OF GRAND RAPIDS, MICHIGAN.

## GARMENT-SUPPORT FOR WARDROBES.

No. 872,401.

Specification of Letters Patent.

3, 1907.

Application filed November 21, 1906. Serial No. 344,377.

*To all whom it may concern:*

Be it known that I, JOHN THOMAS BATTS, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Garment-Supports for Wardrobes; 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.

My invention relates to improvements in garment supports for wardrobes; and its object is to provide a strong and easily operated device that can be moved outward to bring the garments supported thereby wholly outside of the case without undue binding or friction; to provide a simple and efficient device for the purpose; and to provide the same with various new and useful features hereinafter more fully described and particularly pointed out in the claims, reference being had to the accompanying drawings, in which:

Figure 1. is a side elevation of a device embodying a part of my invention, and shown in position within the case; Fig. 2. the same, on a reduced scale and shown in extended position; Fig. 3. an enlarged transverse section on the line 3—3 of Fig. 1.; Fig. 4. the same on the line 4—4 of Fig. 1.; Fig. 5. the same on the line 5—5 of Fig. 1.; Fig. 6. the same on the line 6—6 of Fig. 1.; Fig. 7. a detail in horizontal section on the line 7—7 of Fig. 8; Fig. 8. an enlarged detail with parts broken away showing the parts in the same position as in Fig. 2. Fig. 9. a modification of my device shown in side elevation; Fig. 10 a transverse section of the same on the line 10—10 of Fig. 9; Fig. 11 a detail in elevation of the rear end of Fig. 9. enlarged and with parts broken away; Fig. 12. the same of the front end of Fig. 9.; Fig. 13 a transverse section on the line 13—13 of Fig. 9.; Fig. 14 a side elevation of another modification of my invention shown in extended position; Fig. 15. an enlarged detail of portions of the same with parts broken away; Fig. 16 an end elevation of the parts shown in Fig. 15; and, Fig. 17 a detail in horizontal section of the outer extension mechanism.

Like numbers refer to like parts in all of the figures.

1 represents a bar having convex upper

and lower edges. Said bar is supported within the case by means of flanges 4 secured to the rear end of the bar, and flanges 3 on a yoke 2 adjustably attached to the front end of the bar 1 and secured by means of a set screw 16, said flanges being provided with openings for screws to attach the same to the front and rear of the case. By means of this adjustment of the yoke 2, the device is adapted to properly fit between the front and rear walls of cases having slight variations in dimensions.

5 is a yoke adapted to traverse the bar 1 and journaled in this yoke are rolls 6 and 7 engaging and traversing the respective upper and under edges of the bar and having concave peripheries to fit the same. The yoke 5 is extended downward, and at its lower end is provided with a socket 9 in which is inserted the screw threaded end of a tube 11 on which the garments are supported by any convenient means. Above this tube and spaced apart therefrom, and also close to the under side of the bar 1, is a rod 10. This rod at its rear end is recessed to receive the roll 7, extends within the yoke 5, and is secured therein by the rivet 8 on which the roll 7 is journaled. The forward ends of the rod 10 and tube 11 are connected by means of a coupling 12 provided with a screw-threaded socket 15 to receive the screw-threaded end of the tube 11, and secured to the abutting end of the rod 10 by means of a removable screw 28 extending through the yoke and into the end of the rod. This rod is freely movable within the downwardly extended yoke 2 and is supported upon a concave roll 13 journaled in the yoke.

14 is a downward extension of the coupling, forming a handle with which to manipulate the device.

To furnish additional support for the described device when drawn out of the case, I provide an auxiliary yoke 20 adapted to traverse the rear portion of the bar 1 and having journaled therein rolls 18 and 19 respectively engaging the under and upper edges of the bar. Said auxiliary yoke is also extended downward and provided with a socket 21 at its lower end within which is secured a rod 22, which rod extends within the axis of the tube 11 and is longitudinally movable therein. A roll 25 in the upper part of the socket 9 engages this rod and traverses the same to permit the rod to freely move within the tube. The inner

end of the rod is also provided with a roll 24 having a convex periphery to fit within and traverse the tube 11. On the rod 22, near the middle thereof is a fixed collar 23, which engages an inwardly projecting shoulder 27 in the socket 9, and thus limits the outward movement of the rod in the tube.

To withdraw the rod from the tube as the latter is moved outward I provide a spring 26 which frictionally engages the yoke 20 when the same is in its rearward position, and thus holds the yoke from moving outward until the collar 23 strikes the shoulder 27; the yoke then slips off the spring 26 and follows outward to about the middle of the bar 1. This rod 22 and yoke 20 thus form a back-stay or support for the tube 11 whereby the same is adapted to move freely and wholly out of the case, and at the same time carry quite a heavy load of garments placed thereon. In the modification shown in Figs. 9 to 13 inclusive, this stay rod 22 and auxiliary yoke 20 are omitted and a rod 11<sup>a</sup> takes the place of the tube 11, the sockets 15<sup>a</sup> and 9<sup>a</sup> being modified to conform to the size of the rod. In this modification it is also desirable to prevent the rear yoke from running out too close to the front yoke, and thus putting undue strain upon the rod 10. For this purpose a pin 29 is inserted in the bar 1 to limit the outward movement of the yoke 5<sup>a</sup>. In view of this limitation, I also prefer to modify the construction of the yoke 5<sup>a</sup> by providing a socket 8<sup>a</sup> in line with the roll 7 and form a screw threaded end on the rod 10 to insert therein, thus making a stronger structure at this point.

In the modification shown in Figs. 14 to 17 inclusive, I prefer to omit the upper part of the yoke 5 and the upper roll 6 as shown at 5<sup>a</sup> and also provide a forward telescopic extension to the tube 11, modifying said tube as shown at 11<sup>b</sup> by leaving the forward end open to receive a short extension tube 32 slidable therein. I also modify the coupling as at 12<sup>a</sup>, the same being extended in a curve laterally and thence beneath the tube 11<sup>b</sup>, being secured to the under side thereof to permit the hooks of the garment hangers to pass the coupling and slide off the end of the tube 11<sup>b</sup> and upon the tube 29. The handle is also modified as at 14<sup>a</sup>, being attached to the end of the tube 29 and extended downward therefrom. To limit the movement of the tube 29 outward, I provide a slot 30 in the tube 11<sup>b</sup>, and a lug 31 mounted on a spring 32 in the tube 29 traverses this slot. By manually pressing this lug inward, the tube 29 may be released and removed, as occasion requires. To hold the tube 29 within the tube 11<sup>b</sup> to enable the operator to draw all the movable parts outward an opening 33 is made in the tube 11<sup>b</sup> and a radially movable latch pin 34 is mounted on a spring 35 within the tube 32. This

pin projects through the tube 29 and engages the opening 33 to hold the tube 29 in place. To withdraw this pin 34 from the opening 33 and permit the tube 29 to move outward, I provide a push button 36 attached to the end of the spring 35 and projecting through the tube 29 and handle 14<sup>a</sup>. By means of this construction I am able to provide a very strong and rigid structure easily taken apart by removing the screw 28, or again assembled as occasion may arise. It will also be noted that by virtue of the convex edges of the bar and rod and concave rolls engaging the same, the yokes are carried free of contact with the sides of the bar and rod and the device operates without frictional contact of these parts and in perfect alinement. So also the formation of the coupling as shown permits a hook resting on the tube 11<sup>b</sup> to slide off the end of the same upon the extension tube 29 or back upon the tube 11<sup>b</sup> as occasion arises.

What I claim is:

1. A garment support for wardrobes, comprising a bar, flanges attached to the respective ends of the bar, a yoke embracing the bar and traversing the same, said yoke also having a downward extension and two spaced apart screw-threaded sockets, two parallel rods having their rear ends screw-threaded and inserted in said sockets, a yoke on the forward end of the bar and movably supporting the rods, a coupling having a screw-threaded socket to receive the screw-threaded forward end of one rod and extended opposite the end of the other rod and a removable screw connecting the coupling and the abutting forward end of the said other rod.

2. In a garment support for wardrobes, a flat bar having convex edges, a yoke embracing the bar, rolls journaled in the yoke and engaging the respective upper and lower edges of the bar, two screw threaded sockets in the yoke and spaced apart, the upper socket being in the plane of the lower roll, two parallel rods having screw-threaded ends in said sockets, a screw thread on the forward end of the lower rod, a coupling having a screw threaded socket to receive the forward end of the lower rod, and a removable screw extending through the upper end of the coupling and inserted in the abutting end of the upper rod.

3. A garment support for wardrobes, comprising a longitudinally movable tube adapted to support garments, means for supporting and moving said tube, a rod slidable in the tube and projecting rearward therefrom, a movable support for the rear end of the rod, means for limiting the outward movement of the rod in the tube, and means for retarding the movement of said support to withdraw the rod from the tube.

4. A garment support for wardrobes, comprising a longitudinally movable tube adapted

ed to support garments, means for supporting and moving said tube, a rod slidable in the tube and projecting from the rear end thereof, a bar forming part of the supporting

5 means for the tube, a yoke traversing the bar and supporting the rear end of the rod, a spring frictionally engaging the yoke when in rearward position to delay its forward movement, a collar on the rod, and a socket on the  
10 end of the tube, said socket having a shoulder to engage the collar and stop the rod.

5. In a garment support for wardrobes, a bar, means for securing the bar within a wardrobe, two yokes adapted to traverse the  
15 bar, a rod and a tube inserted in one of said yokes and spaced apart, a yoke on the forward end of the bar, a roll journaled in the yoke and movably supporting the rod, a coupling connecting the forward ends of the  
20 tube and rod, a rod slidable in the tube and attached to the second movable yoke, and means for retarding the movement of said yoke to move the rod in the tube.

6. In a garment support, a bar, means for  
25 securing the bar within a wardrobe, a yoke adapted to traverse the bar, a rod and a tube spaced apart and inserted in a downward extension of the yoke, a yoke attached to the forward end of the bar and embracing the  
30 rod, a roll journaled in said yoke and supporting the rod, an auxiliary yoke movable on the bar, a rod movable in the tube and attached to the auxiliary yoke, a roll journaled in the end of the rod and traversing the tube,  
35 a collar on the rod to limit the movement of the rod in the tube and a spring to frictionally engage the auxiliary yoke to retard its movement.

7. In a garment support for wardrobes, a  
40 bar, means for securing the bar within a wardrobe, a yoke adapted to traverse the bar, a rod having a divided end inserted in the yoke, a roll journaled in the end of the rod and within the yoke, a downward extension  
45 on the yoke and having a socket and a shoulder in the socket, a tube inserted in the socket, a rod slidable in the tube, an auxiliary yoke attached to the end of the said rod and adapted to traverse the bar, a spring to  
50 engage and retard the auxiliary yoke when the yoke is in rearward position, a collar fixed on the last named rod, and engaging the shoulder in the socket to limit the outward movement of the rod in the tube, a roll  
55 journaled in the end of the rod and traversing the tube, a coupling connecting the front ends of the rod and tube, and means for movably supporting the forward end of the first named rod.

8. In a garment support for wardrobes, a  
60 tube to support the garments, a rod spaced apart from the tube, means for connecting the ends of the tube and rod, a movable support for the rear end of the rod, a stationary  
65 support for the forward end of the rod and

traversed by the rod, a rod movable in the tube and projecting from the rear end thereof, a movable support for the rear end of the last named rod, a stop to limit the movement of the said rod in the tube, and a spring to  
70 retard the movement of the support for the last named rod.

9. In a garment support for wardrobes, a bar, means for securing the bar in a wardrobe, a yoke adapted to traverse the bar,  
75 and having a downward extension provided with a socket and a shoulder in the socket, a rod close below the bar, and having a divided end inserted in the yoke, a roll journaled in the recess of the rod and within  
80 the yoke, and also traversing the under side of the bar, a roll journaled in the upper end of the yoke and traversing the upper edge of the bar, a tube below the rod and inserted in the socket of the yoke, a rod movable in  
85 the tube and projecting through the socket, a collar on the rod and engaging the shoulder in the socket, a roll journaled in the end of said rod and traversing the tube, an auxiliary yoke attached to the rod in the tube and  
90 traversing the rear part of the bar, a spring to engage the said yoke and hold it until the collar engages the shoulder, and means for connecting and movably supporting the forward ends of the first named rod and the  
95 tube.

10. In a garment support for wardrobes, a bar adapted to be secured within a wardrobe, a rod and a tube spaced apart, means  
100 for connecting the respective ends of the rod and tube, a yoke on the forward end of the bar and movably supporting the rod, a rod slidable in the tube, a yoke adapted to traverse the rear portion of the bar and attached to the rear end of the rod in the tube,  
105 means for retarding the movement of said yoke, and means for limiting the movement of the rod in the tube.

11. In a garment support for wardrobes, the combination of a tube, means for movably supporting the tube in a horizontal  
110 position, an extension member longitudinally movable within the outer end of the tube and adapted to project therefrom, means for limiting the movement of the extension  
115 member, and means for detachably securing the extension member when run back into the tube.

12. In a garment support for wardrobes, a tube to support the garments, a rod above  
120 the tube and connected thereto at its ends, a roll movably supporting the rod, a rod slidable in the tube and projecting at the rear thereof, a horizontally movable support for the rear end of said rod, an extension  
125 slidable in said tube and projecting from the front thereof, and means for limiting the movement of said extension within the tube.

13. In a garment support for wardrobes, the combination of a tube open at the front  
130

end, a rod above the tube and connected to the same at each end, the front connection consisting of a coupling attached to the end of the rod and curved laterally and thence  
 5 extended beneath the tube and attached to the under side thereof, means for movably supporting the rod and for longitudinally moving the same, an extension slidable in the tube and projecting from the front end  
 10 thereof, and means for limiting the movement of the extension within the tube.

14. In a garment support for wardrobes, a longitudinally movable tube to support the garments and having a longitudinal slot and  
 15 a side opening, means for movably supporting the tube, an extension tube slidable in the first named tube and projecting therefrom, a spring in the extension tube, a stop on the spring and traversing the slot, a second  
 20 spring in the extension tube, a stop pin mounted on the second spring, and extending through the side of said tube to engage the side opening in the other tube, and a push button attached to the last named  
 25 spring and extending through the side of the extension tube.

15. In a garment support for wardrobes, a longitudinally movable rod, means for supporting and moving said rod, a support for  
 30 garments beneath the rod and spaced apart therefrom, means for connecting the respective ends of the rod and support, the front connecting means consisting of a coupling attached to the rod at its upper end and  
 35 thence curved downward and laterally and thence extending beneath the support and attached thereto, whereby garments supporting hooks will freely pass the coupling and slide off the forward end of the support.

40 16. In a garment support for wardrobes, a

tube open at both ends, an extension member slidable in the front end of said tube and projecting therefrom, means for limiting the movement of said member, a rod slidable in the rear end of said tube, means for limiting  
 45 the movement of said rod in the tube, a movable support for the rear end of said rod, means for retarding the movement of said support, a rod parallel with said tube and spaced apart therefrom, means for connect-  
 50 ing the ends of the last named rod to the ends of the tube, and a support for said rod and traversed thereby.

17. In a garment support for wardrobes, a bar adapted to be secured in a wardrobe, a  
 55 yoke on the front end of the bar, a roll journaled in the yoke, a rod supported by said roll and traversing the same, a tube beneath the rod and spaced apart therefrom, a later-  
 60 ally curved coupling connecting the front end of the rod and the under side of the tube, an extension member slidable in the front end of the tube and projecting therefrom, means for limiting the movement of said ex-  
 65 tension member, a rod slidable in the rear end of the tube and projecting therefrom, a yoke traversing the rear of the bar and having a downward extension attached to said rod, a spring to engage said yoke to retard  
 70 its movement, a coupling member connecting the rear end of the tube and the first named rod, and rolls in said member respectively engaging the bar and the rod in the tube.

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

JOHN THOMAS BATTS.

Witnesses:

PALMER A. JONES,  
 GEORGIANA CHACE.