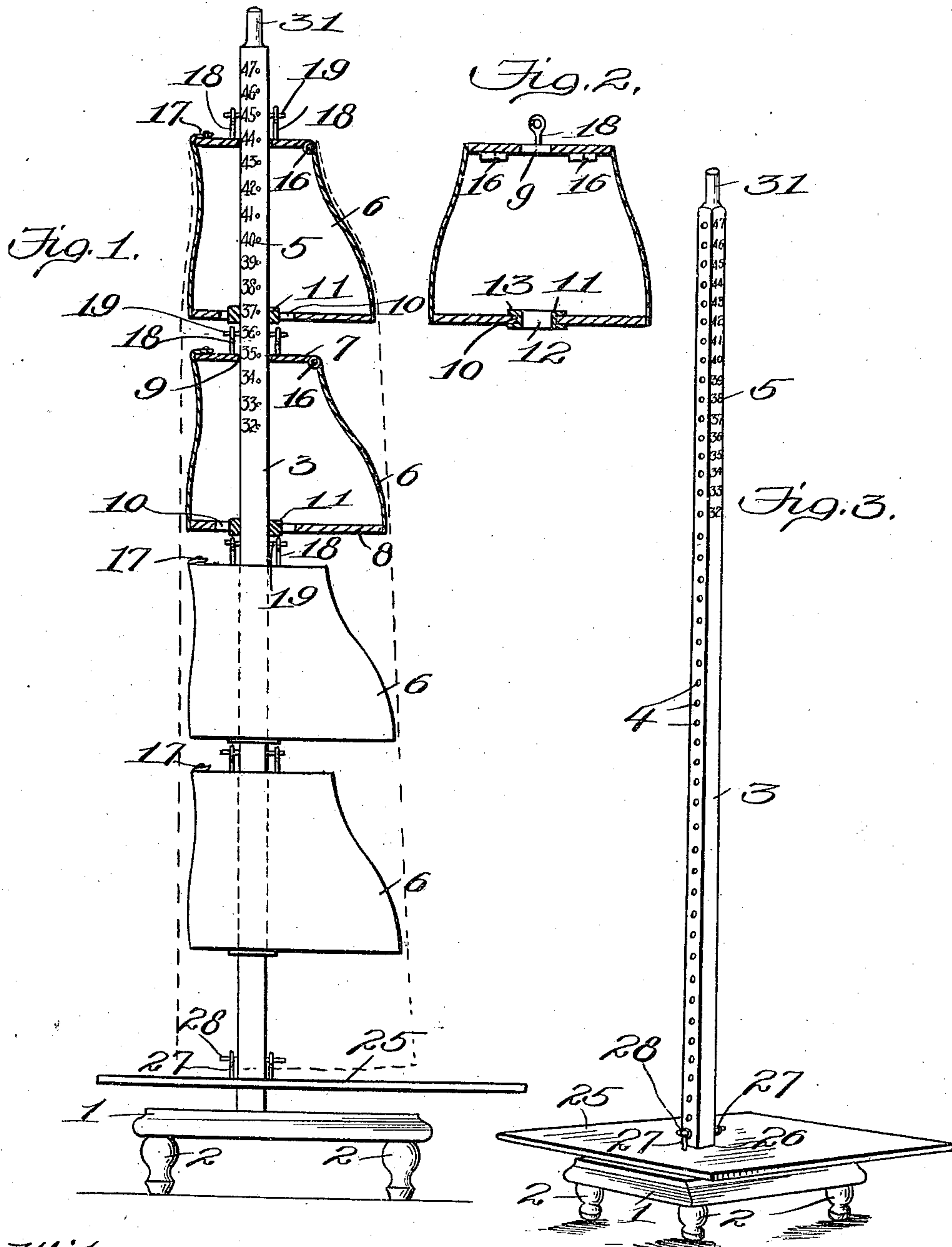


S. M. MOSCHCOWITZ.
ADJUSTABLE DRESS FORM.
APPLICATION FILED JUNE 12, 1908.

989,630.

Patented Apr. 18, 1911.

2 SHEETS-SHEET 1.



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2 SHEETS-SHEET 2.

Fig. 4.

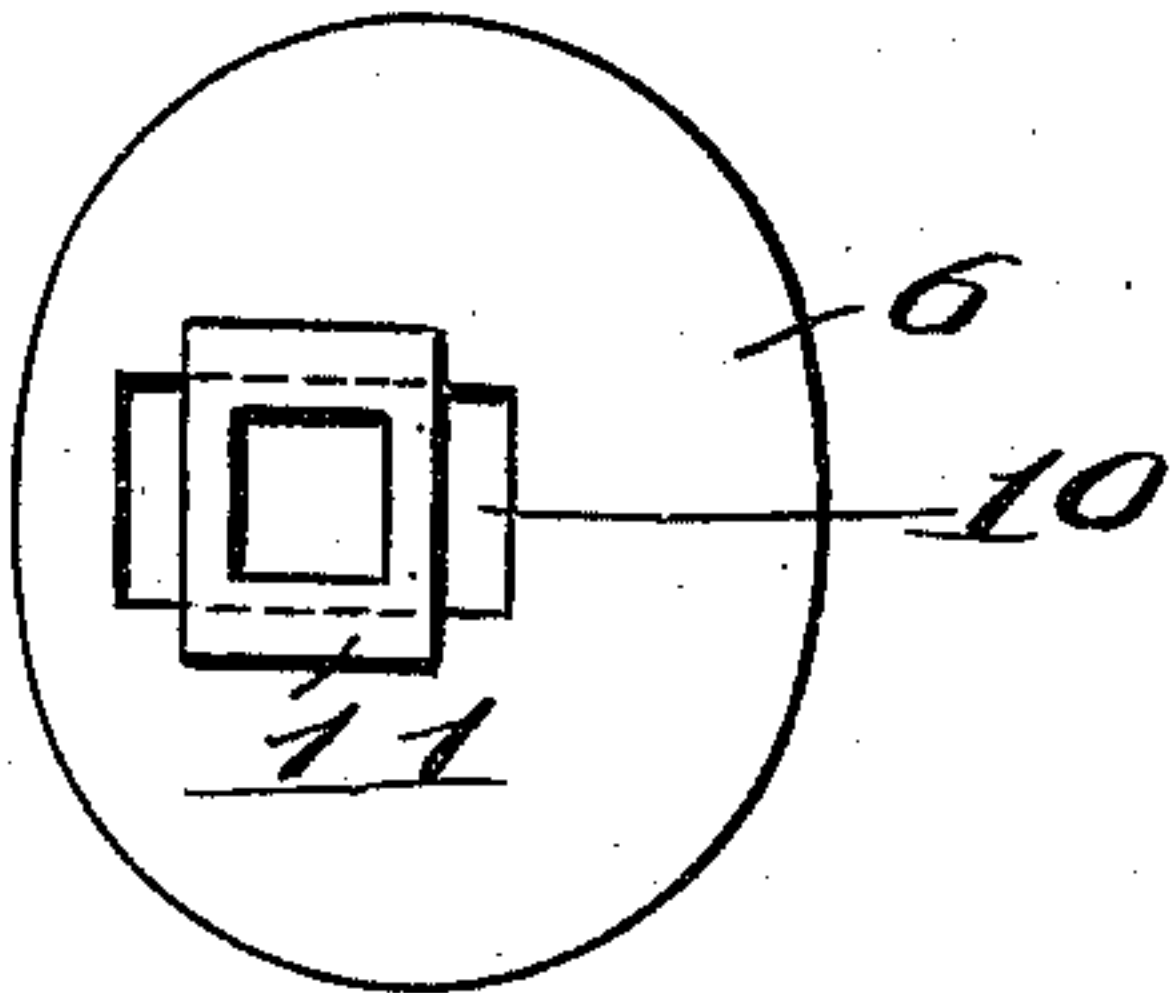


Fig. 5.

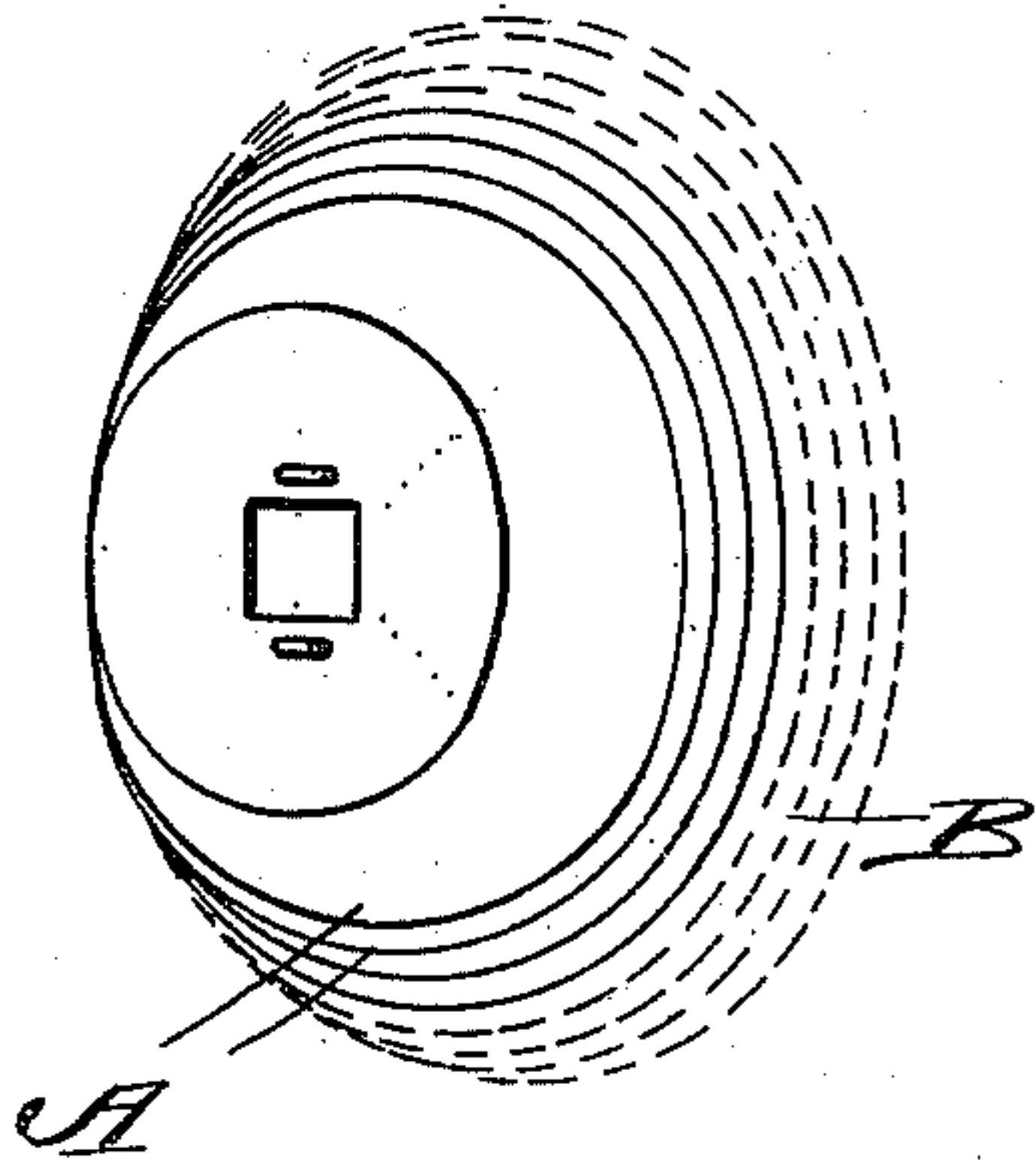


Fig. 7.

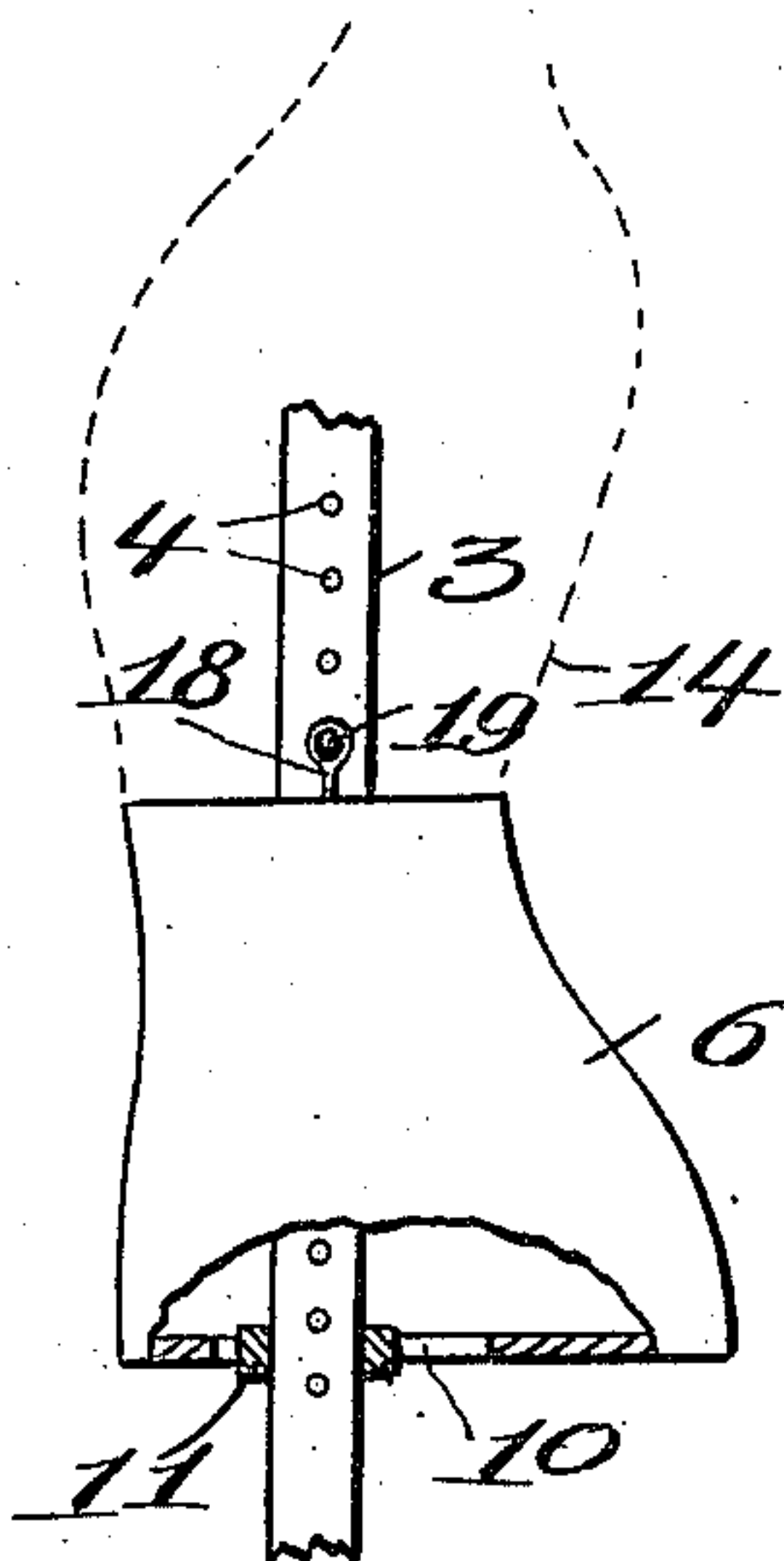


Fig. 8.

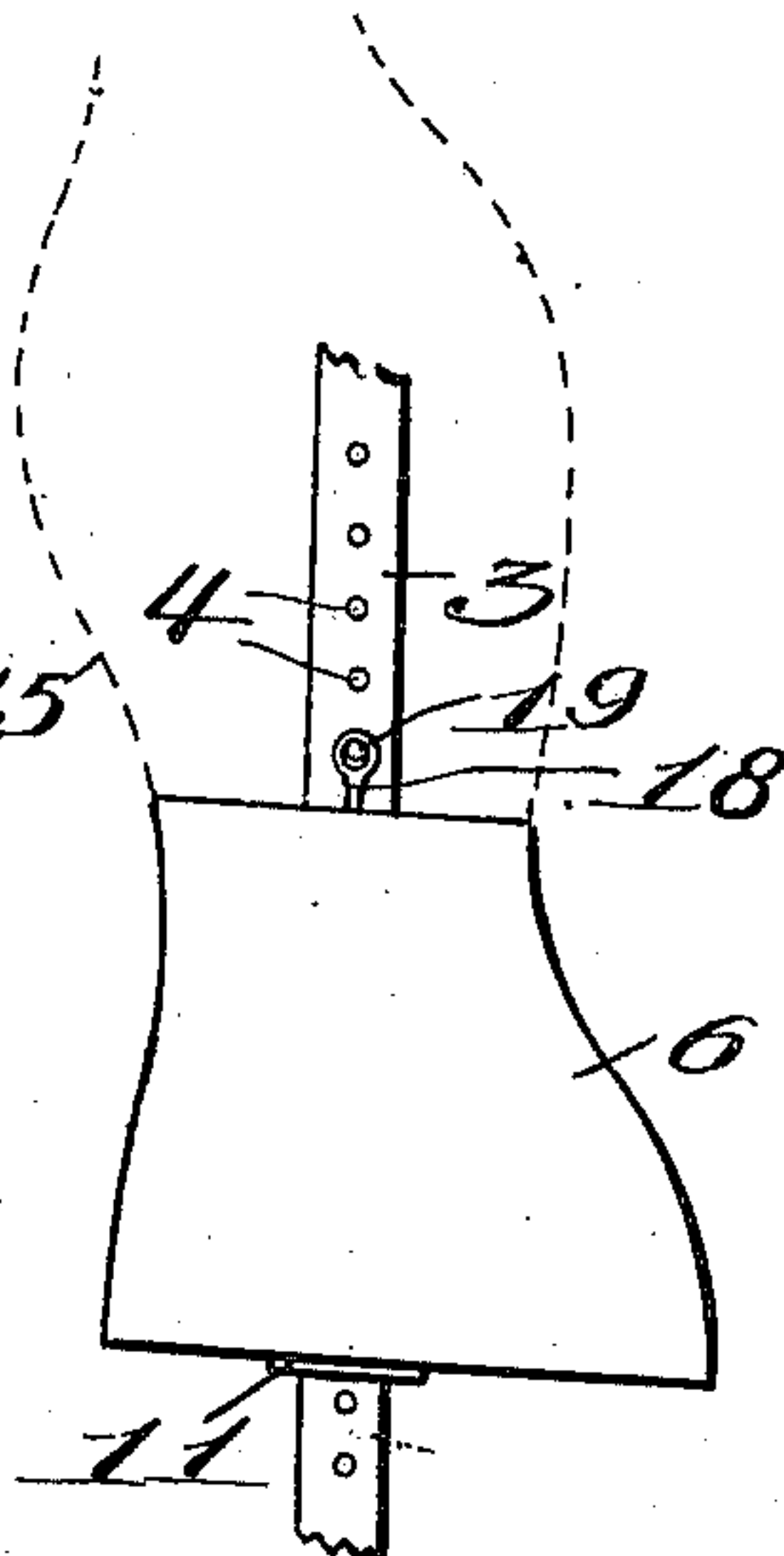


Fig. 9.

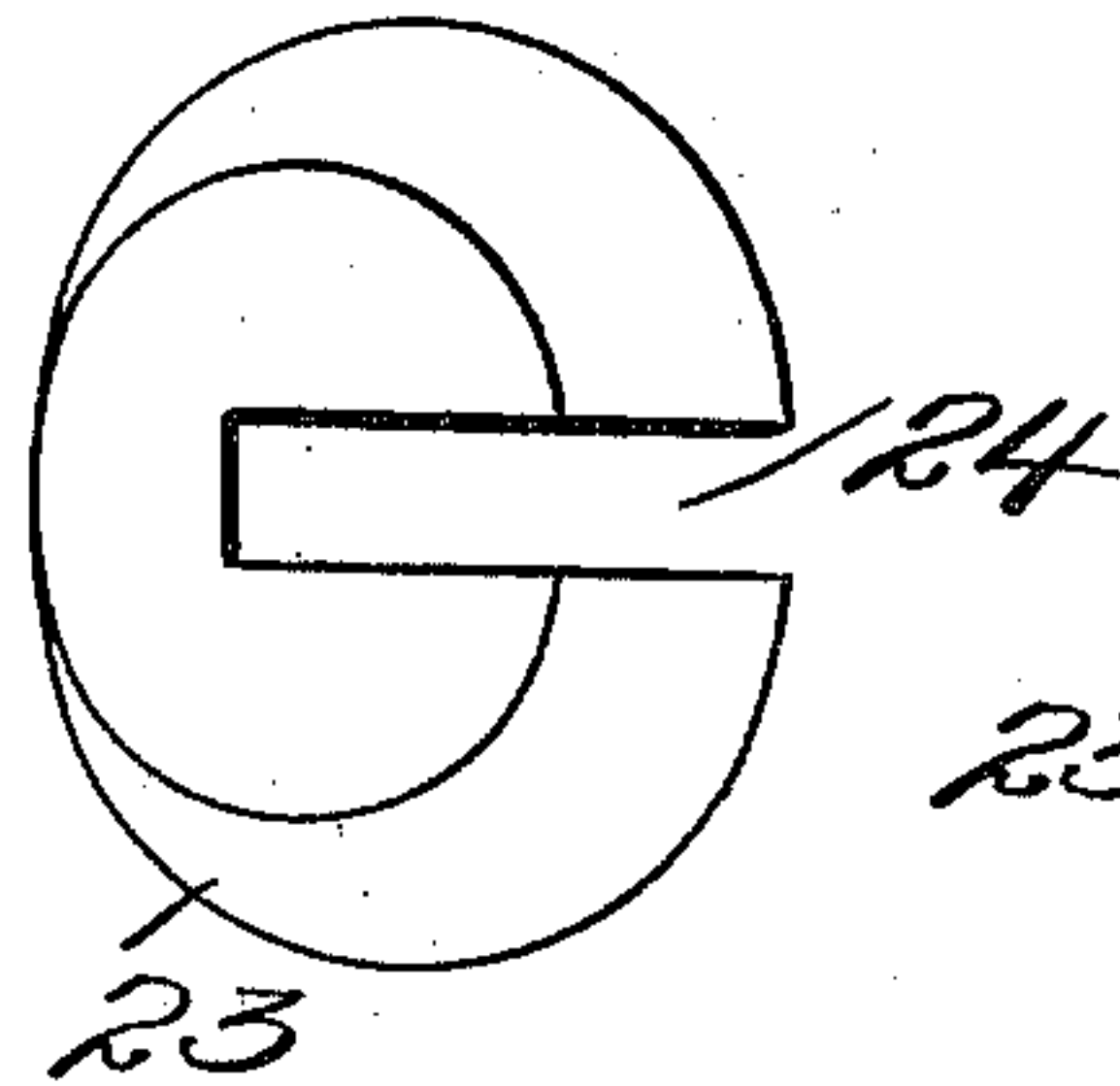


Fig. 10.

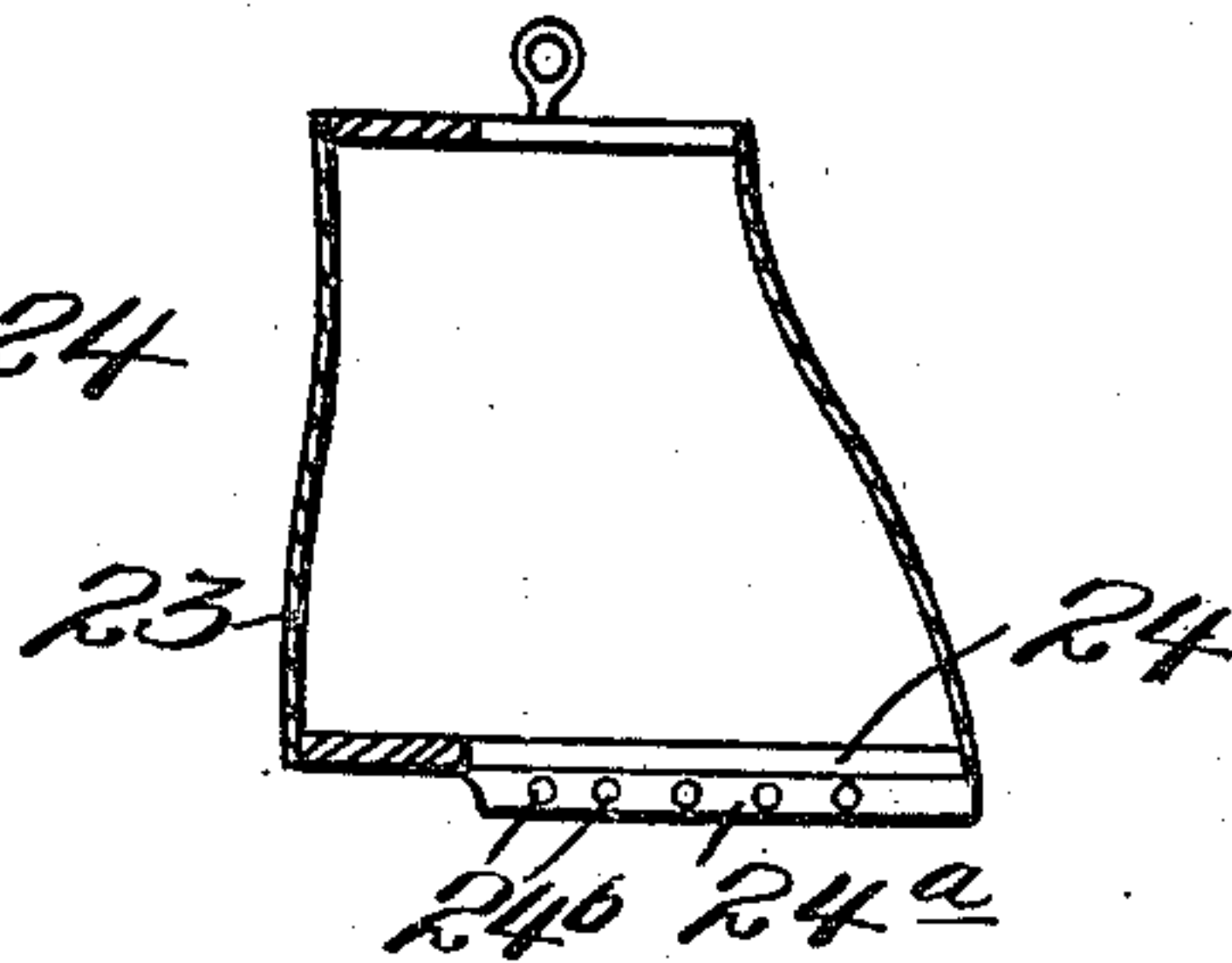


Fig. 6.

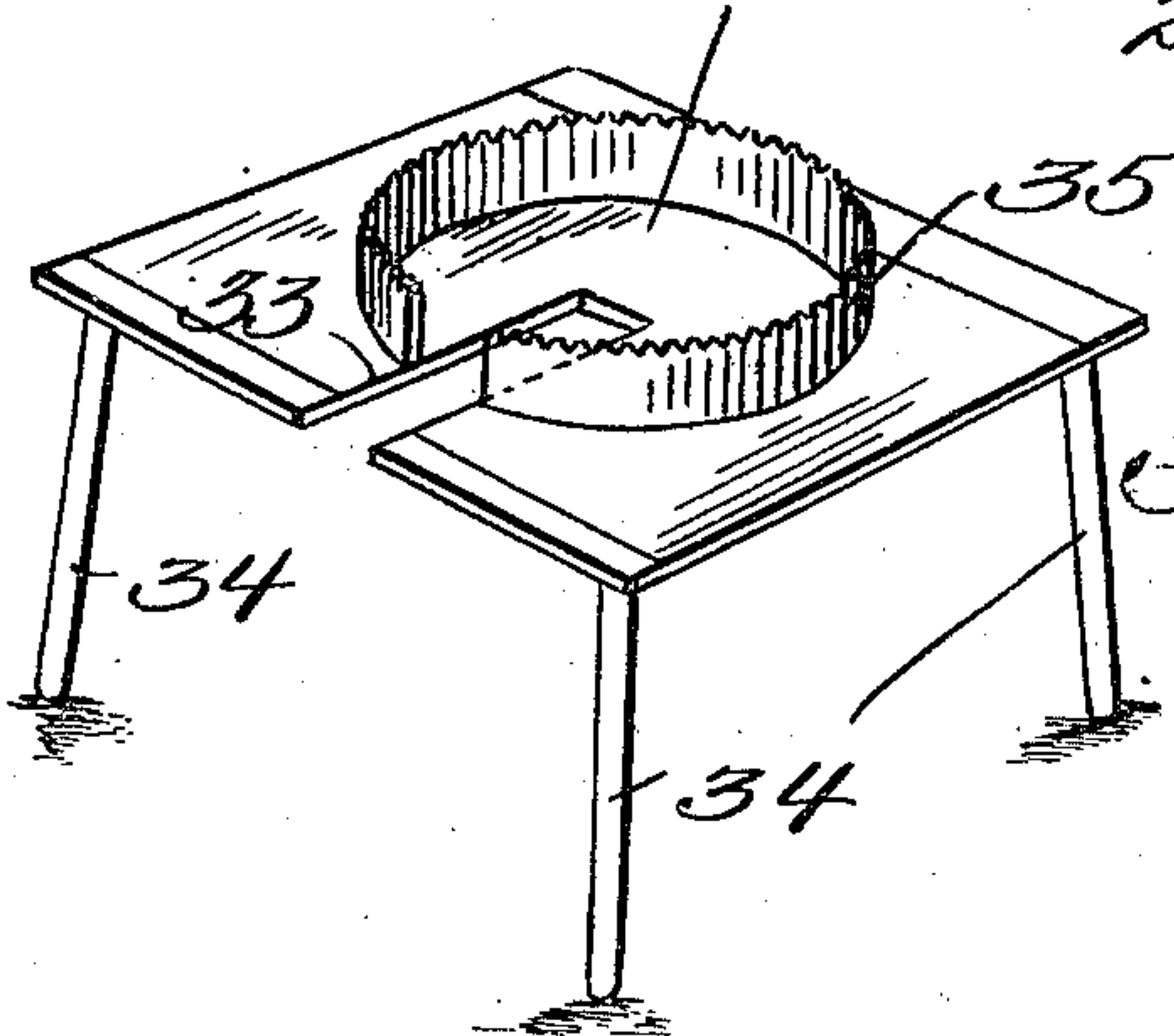
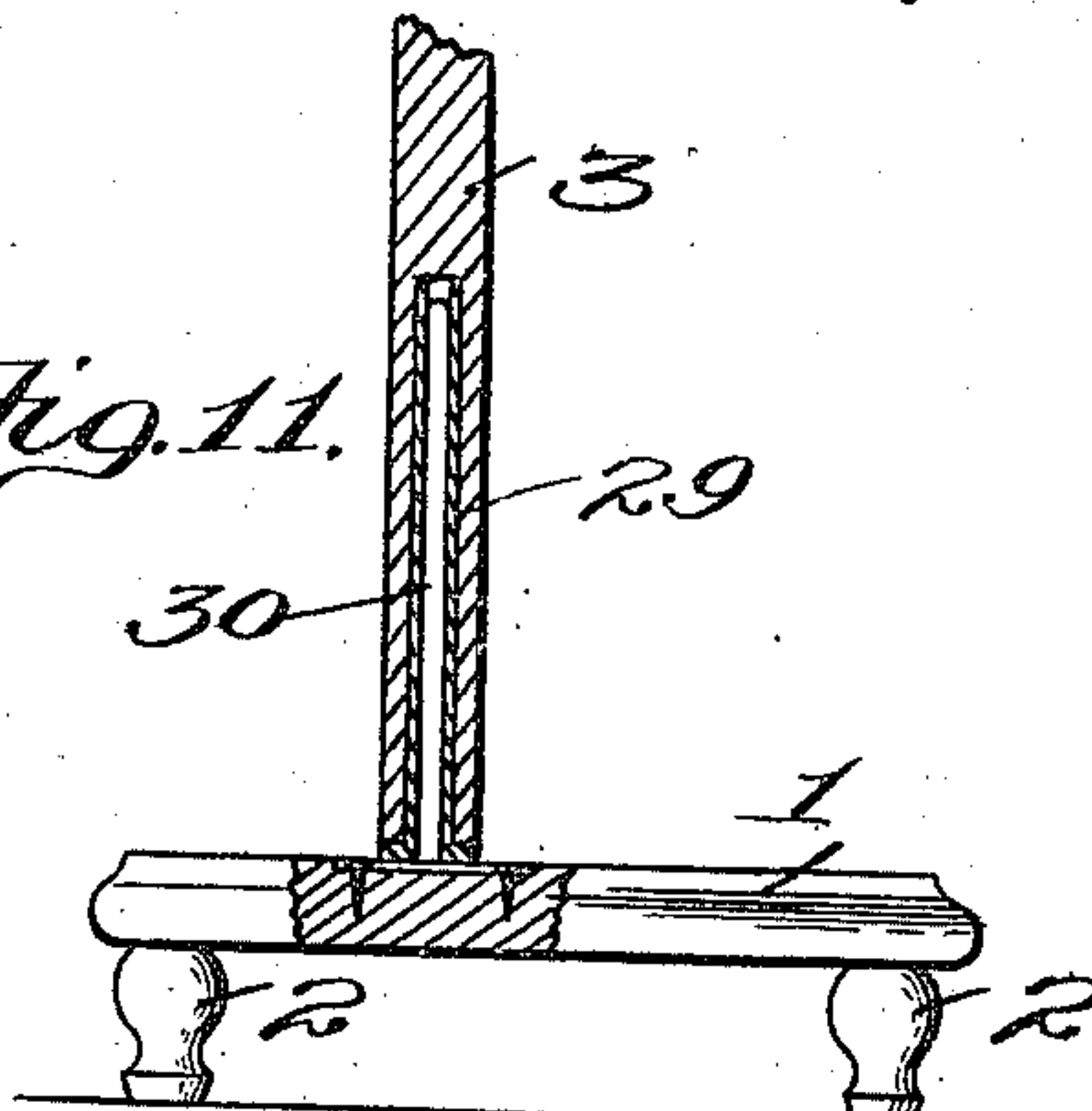


Fig. 11.



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UNITED STATES PATENT OFFICE.

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ADJUSTABLE DRESS-FORM.

989,630.

Specification of Letters Patent.

Patented Apr. 18, 1911.

Application filed June 12, 1908. Serial No. 438,136.

To all whom it may concern:

Be it known that I, SCHAMU M. MOSCHCOWITZ, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Adjustable Dress-Forms, of which the following is a specification.

This invention relates to adjustable dress forms, and the essential feature of the invention consists in the division of the upper body form as a whole into two separate parts, the hip form, and the bust form, and capable of use with any type of skirt form, but preferably with a plurality of hip forms arranged in alinement and conjointly providing a skirt form.

Another feature of the invention consists in dividing the skirt form into two separate parts, namely, the hip form and the skirt form proper, the latter being any preferred type of device adapted for the purpose or consisting of a plurality of hip forms arranged in alinement to produce a skirt form.

By the use of the plurality of hip forms, which in some instances are used to provide a skirt form and bust form, different sizes and shapes of the human body and variations in proportions of the different parts of the body may be accommodated with convenience and expedition in fitting dresses or robes in whole or in part.

The present invention also contemplates the provision of convenient means for draping, trimming and finishing dresses and robes and to produce a figure frame having adjustable characteristics to facilitate regularly trimming the bottoms of skirts to secure a uniformity in length, and also to compensate for irregularities in normal postures of the human body as a whole and particularly stooping or forwardly inclined and rearwardly swaying bodily postures which respectively cause abdominal recessions and abnormal back angles and depressions.

The invention also consists in the construction and arrangement of the several parts which will be more fully hereinafter specified.

In the drawings: Figure 1 is an elevation of a form embodying the features of the invention and shown partially in section, the form in this instance being composed of a plurality of removable hip forms. Fig. 2 is a section through one of the hip forms

shown by Fig. 1 in a plane at right angles to the section of the upper forms shown by Fig. 1. Fig. 3 is a detail perspective view of the upright or support and base together with the adjustable platform. Fig. 4 is a bottom plan view of one of the hip members. Fig. 5 is a diagrammatic top plan view showing a group of hip forms of one series in full lines, and a second group of another series in dotted lines, and illustrating that all of the groups coincide at the front in the same vertical plane or are within the same median line of projection at the front. Fig. 6 is a detail perspective view showing a modification of a platform embodied in the invention. Figs. 7 and 8 are detail views in elevation showing the adjustment of the hip form in different positions to compensate for body irregularities, the irregularities of the human body being indicated by dotted lines. Fig. 9 is a top plan view of a modification of the hip form. Fig. 10 is a transverse vertical section of the form shown by Fig. 9. Fig. 11 is an elevation partially in section showing the upright or support rotatably mounted on the base.

Similar characters of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates a base having suitable supporting means, such as legs 2. This base will be of such dimensions as to provide a stable foundation for the parts of the form held thereon, and has an upright or vertical support 3 which may be of any form, but preferably angular in cross-section or, in other words, may be square, rectangular, or triangular. This upright or support 3 may be fixed to the base 1, as shown for instance by Figs. 1 and 3, or it may be rotatable on the base as illustrated by Fig. 11. Throughout the vertical extent of the upright or support 3, a series of apertures or openings 4 is formed and regularly spaced to represent inches or other units of measurement which are indicated on the adjacent side edge or edges as at 5.

Removably and adjustably mounted on the upright 3, as shown by Fig. 1, is a plurality of hip forms 6 constructed of suitable material, such as papier-mâché or any like composite material adapted for the purpose. The hip forms are hollow and have top and bottom closures 7 and 8 with alined openings 9 and 10 therein. The openings 10 are in the form of slots extending toward the front and

rear of each form to receive an adjusting member 11 consisting of a metal sleeve having an angular opening 12 and side flanges 13 which embrace the side walls of the opening 10. Each form is provided with one of the adjusting members 11, and by shifting the same backward and forward the form may be canted and caused to assume either a forward or backward inclination at different angles to accommodate variations in hip contours and irregularities or abnormal positions of upper body or bust lines, or to compensate for bodily deformities, as clearly represented by Figs. 7 and 8. Fig. 7 shows a sway-back figure or body deformity in dotted lines as at 14, and to bring the hip form 6 into practical coincidence and to properly fit a waist, or a skirt, or both, to a human figure of this type, the adjustable member 11 is shifted toward the front, and as the center of gravity is modified by such movement of the member 11 the form 6 is caused to assume a front dip or downward inclination. In the adjustment shown by Fig. 8 a human figure is illustrated by dotted lines as at 15 as having a stooping position and an abdominal recession, and a bowed flat contour and to accommodate this irregularity the member 11 is adjusted rearwardly to again change the center of gravity and cause the form 6 to dip or incline downwardly toward the rear. This adjustment may be varied at will without inconvenience or complex manipulation to compensate for other irregularities in contour of the human figure. The openings 9 in the top closures 7 are large enough to permit the adjustments to be made as just explained, and both openings 9 and 10 are of the same angular contour as the upright or support 3 so as to maintain the form or forms 6 in proper position as shown.

The top closures 7 of the forms 6 are hinged as at 16, and when the forms are removed from the upright or support 3 these closures 7 may be opened without dissociating the same from the form and conversely shut down, and by this means each form may be used as a convenient receptacle for storing implements and accessories generally used in dress fitting and trimming, or for other devices used in dress making. A small catch device 17 of suitable form may be used with the top closure 7 of each form to lock the same against accidental opening movement, particularly when suspended on the upright or support 3.

As before indicated, the forms 6 are freely removable from and applicable to the upright or support 3 and when disposed on the latter are suspended at any suitable height in accordance with a desired measurement through the medium of hangers 18 fixed to the top closures 7 and loosely engaging pins 19 inserted in a part of the openings 4 at

regular intervals. If one hip form 6 is employed it will be obvious that it may be adjusted vertically as found necessary and cooperate with any well known type of skirt form that may also be fitted over the upright or support 3 and held on the latter, but under ordinary conditions a plurality of the hip forms arranged below one of the latter will serve as a skirt form and constitute a skirt form separable from and independently adjustable of an uppermost hip form. Another important feature in the use of the plurality of hip forms is that the upper front maximum projecting portions thereof all coincide with the same vertical plane, no matter how great may be the rearward extension as demonstrated by Fig. 5, which illustrates one group A of a certain series in full lines and a second group B of another series in dotted lines, and it will be observed that the front maximum projection of all the groups coincides at the central or transverse median line, or, in other words, there is not the least projection of any portion of any one of the forms beyond the other at the front, no matter what sizes of forms may be used. By this means the front of the skirt is maintained in a true vertical plane parallel with the upright or support 3 and the shape of the skirt in accordance with the particular hip form used at the top is varied or distended toward the rear.

Figs. 9 and 10 show a slight modification of the hip form, and in this instance the form 23 has a rearwardly opening slot 24 extending transversely into the central portion thereof for convenience in applying the same to the upright or support 3 without requiring an application over the upper end of the said support. The slot may open through the front of the form in some structures, such change being an obvious reversal of the rearwardly opening slot 24. The removal of this modified construction of the hip form is also convenient, as any one of such forms may be separated from the upright or support without removing others. The hip form shown by Figs. 9 and 10 is provided with a depending flange means 24^a which is regularly apertured as at 24^b to receive a suitable pin which bears against the rear edge of the upright 3 to hold the form in proper position and prevent it from tilting out of place in view of the formation of the slot 24. Adjustably mounted on the upright or support 3 is a platform 25 having an opening 26 therein corresponding in shape to the cross-sectional contour of the upright or support. Adjacent to the said opening 26 and opposite to each other are hangers 27 which are held on a pin 28 freely removable from the hanger and adapted to be placed in engagement with any one of the openings 4 in the upright or support 3 to dispose the platform at a desired elevation

in accordance with a predetermined measurement. The greater portion of this platform projects toward the rear, but it is always held in a true horizontal position.

5 The object of this platform and those which will be presently described is to facilitate cutting the lower end of a skirt evenly and regularly and to assist a dressmaker in determining with exactness when the bottom
10 of a skirt properly hangs, and, further, this platform is of material advantage in draping operations. By projecting the platform 25 a greater distance toward the rear than toward the front, skirts having varying bottom extensions toward the rear may be accommodated, but it will be understood that
15 this platform may be replaced by another of a similar structure but having different dimensions.

20 As hereinbefore indicated, the upright or support 3 may be either fixed or rotatable, and as shown by Fig. 11, a simple method of rotatably applying the upright to the base or stand 1 is shown and consists in
25 forming the lower end of the said upright with an elongated socket 29 having a suitable metal lining engaged by a post or pin 30 fixed to the base 1, both the pin and post being elongated to strengthen the complete
30 structure and resist the weight of the devices and garment that may be supported on the upright. The upright 3, when rotatably applied to the base 1, permits the devices held thereon together with the garment or
35 dress to be rotated at will or turned in opposite directions for convenience in arranging and inspecting various portions of the garment or of disposing the forms as may be desired. The upper end of the upright
40 3 is reduced as at 31 and thereon a suitable garment hanger may be arranged for displaying a robe or dress. The platform may be further modified as shown by Fig. 6, and in this instance the main body 32 of the
45 platform has a slot 33 extending centrally thereinto and opening out through one edge, the body 32 also being provided in this instance with legs 34, though these are not essential, and this form of the platform may
50 be equipped with hangers for engagement with a pin in a manner similar to the construction shown by Fig. 3. The platform illustrated by Fig. 6 is more convenient in its use and application than that illustrated
55 by Fig. 3, because it may be drawn up to and engage the upright or support 3 without removing the forms on the latter, and may be likewise disengaged from the upright or support. Rising from the body 32
60 of the platform shown by Fig. 6 is a gage 35, consisting of a circular band of suitable material, or a band having other shape, over which the lower end of the skirt falls, the general contour of the band corresponding
65 to the shape of the bottom of the skirt. The

upper edge of the gage serves as a prominent ridge which is used as a guide for directing the dressmaker in evening the bottom of the skirt, the operator or dressmaker pressing the skirt against the upper edge
70 of this gage and marking the skirt on the exterior by pins or chalk lines at intervals, and thereby obtaining an even guide for accurately cutting the bottom of the skirt. The platforms as hereinbefore described are
75 also adapted for supporting the lower end or terminal of a skirt. It is a well known fact that if a skirt is supported from its upper extremity and its lower end let hang free without contact with any rest device,
80 the said lower end of the skirt will soon become misshapen and irregular in contour and present an unsightly appearance when worn. The several platforms hereinbefore described are therefore exceptionally ad-
85 vantageous in providing a rest or support for the lower end of a skirt and the extensive area of the platforms adapts them for use with skirts having different bottom dimensions, the projection of the platforms a
90 greater distance to the rear of the upright accommodating skirts having trains or different rear lengths.

It is proposed to use any preferred construction of waist form, whether undivided
95 or divided, in coöperation with the hip forms or one of the latter and the skirt form below. There are many kinds of bust forms that could be used with the upright or support and in conjunction with the hip and
100 skirt forms as herein specified. The invention is not confined to the use of any particular bust form.

Having thus fully described the invention, what is claimed as new, is:

1. A garment form of the class specified involving an upright, a form device adjustably and removably held on the upright, and a platform adjustably and separably engaging the upright to support the bottom of a
110 skirt.

2. A garment form of the class specified comprising an upright, a hip form having a hollow body structure, and other forms similar in contour to the hip form and disposed on the upright below the latter, all of the forms being independently adjustable vertically on the upright and each provided with means for adjusting it at an angle to the upright.
120

3. A garment form of the class specified comprising an upright, a hip form having a hollow body and replaceable by a similar device of a different contour, and a plurality of forms having hollow bodies similar to
125 the hip form and mounted on the upright below the said hip form, all of the hollow bodies being freely applicable over and removable from the upright and independently adjustable in a vertical direction, all
130

of the forms being also provided with means for independently adjusting them at an angle relatively to the upright.

4. A garment form comprising an upright supporting means, and a plurality of hollow form devices disposed in superposed relation on the supporting means and each structurally independent of the others and also separately vertically adjustable on the supporting means, the outer surface of said devices being closed and having a contour similar to a hip form and held from their upper extremities in suspended relation to the supporting means and freely movable on the latter.

5. A garment form comprising an upright supporting means, and a plurality of hollow forms separably suspended from and freely movable vertically on the supporting means, the forms having suspending means at their upper extremities and adjusting means at their lower extremities to vary the angle of the same relatively to the supporting means.

6. A skirt form comprising a central upright, a plurality of hollow hip form devices of varying dimensions and having outer closed surfaces, and means connected to the upper extremities of the said hip form devices for suspending the latter on the upright, the hip form devices being independently and freely movable upwardly and downwardly on the upright.

7. A skirt form made up of a plurality of vertically adjustable freely movable hip forms having hollow bodies of varying dimensions and upper and lower end closures with openings therein, the upper end closures being provided with suspending devices for the forms, and an upright on which the said forms are adjustably suspended.

8. A skirt form comprising an upright, and a plurality of hip forms having hollow bodies and removably mounted and freely movable vertically on the upright, each of the forms having upper and lower end closures, the lower end closures being of greater dimensions than the upper end closures and disposed in eccentric relation to the upright to project the bodies of the forms a greater distance rearwardly than in advance of said upright, the front portions of the bodies of the forms uniformly coinciding with the same vertical plane.

9. A garment form comprising an upright and a hip form having a rearwardly opening slot and adjustable vertically on the upright and also forwardly and rearwardly in relation to the upright to assume different angles of inclination.

10. A garment form for use by dressmakers comprising an upright, and a hip form having a rearwardly opening slot and suspended and vertically adjustable on the upright and also shiftable forwardly and rear-

wardly at varying angles of inclination, the hip form being laterally removable from the upright and in like manner replaceable by a similar device having a different contour.

11. A garment form for use by dressmakers comprising an upright adapted to have a bust form applied thereto, and a hip form having a hollow body suspended by its upper extremity from the upright, the said hip form being adjustable forwardly and rearwardly while suspended on the upright and provided with means in its lower extremity for effecting the latter adjustment to correspond to variations in front and back bodily contours.

12. A garment form for use by dressmakers comprising an upright adapted to receive a bust form, a hip form having a slot extending vertically and rearwardly through the rear portion thereof and adjustable vertically on the upright and also forwardly and rearwardly at different angles of inclination, and a skirt form supported by the upright and vertically adjustable on the latter independently of the said hip form.

13. A garment form for use by dressmakers comprising an upright adapted to have a bust form applied thereto, a plurality of hollow forms independently adjustable on the upright and serving in part as a hip form and the remainder as a skirt supporting and shaping means, all of the forms being independently removable from the upright without disturbing the remaining forms and also having greater dimensions rearwardly from the upright.

14. A garment form for use by dressmakers comprising an upright adapted to have a bust form applied thereto, a hip form adjustably mounted on the upright, a skirt form on the upright to cooperate with the hip form and consisting of a plurality of independently adjustable devices varying in dimensions, and a platform also adjustably supported on the upright to support the lower end of a skirt suspended from the hip and skirt form.

15. The combination with an upright, of a garment form device consisting of a plurality of independent members having hollow bodies with upper and lower closures formed with openings to receive the upright, the lower closure of each member having greater dimensions than the upper closure and occupying an eccentric relation to the upright, and suspending means connected to the upper closures of the members for adjustably and independently supporting the latter on the upright.

16. The combination with an upright, of a garment form device disposed over and vertically adjustable on the upright and having top closures with central openings therein and bottom closures formed with slots, the bottom closures having greater di-

mensions than the top closures, and means shiftably mounted in the slotted bottom closure for engaging the upright to hold the form device in fixed adjusted position, the upper closure having means for suspending the form device on the upright.

17. The combination with an upright or support having a series of openings therein, a suspending device adjustably mounted on the upright, and a garment form device having hangers at the upper extremity thereof for removable engagement with the suspending device, the garment form device having a rearwardly opening slot and shiftably forwardly and rearwardly in relation to the upright.

18. The combination with an upright hav-

ing a series of openings therein, of a suspending device adjustably mounted on the upright, and a garment form device having hangers at the upper extremity thereof for removably engaging the suspending device, the lower extremity of the garment form device being provided with means engaging the upright and shiftably in said extremity to dispose the garment form device at an angle relatively to the upright.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

SCHAMU M. MOSCHCOWITZ.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
