

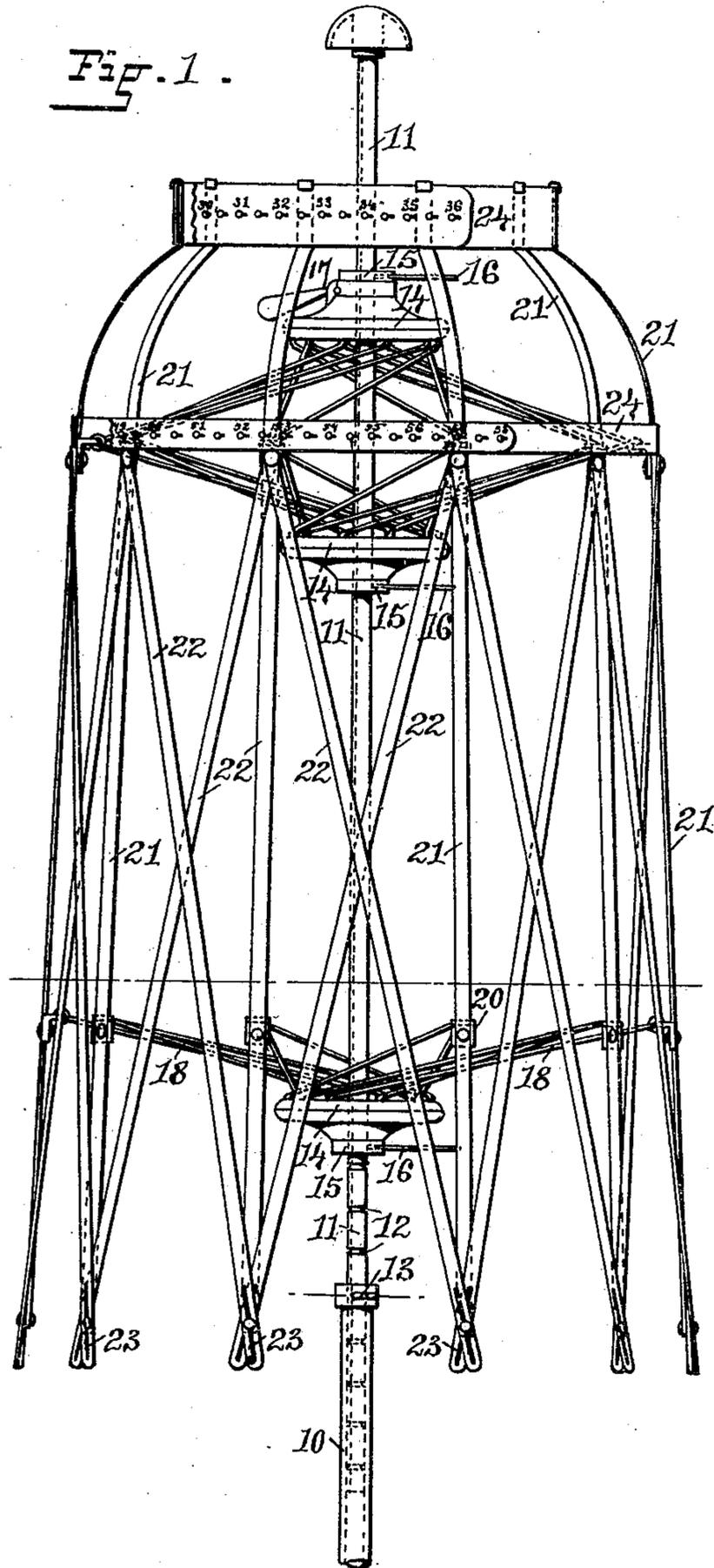
(No Model.)

2 Sheets—Sheet 1.

J. B. STONE.
DRESS FORM.

No. 410,862.

Patented Sept. 10, 1889.



WITNESSES:

M. F. Bligh
Chas. H. Luther Jr.

INVENTOR:

John B. Stone
by Joseph A. Miller & Co.

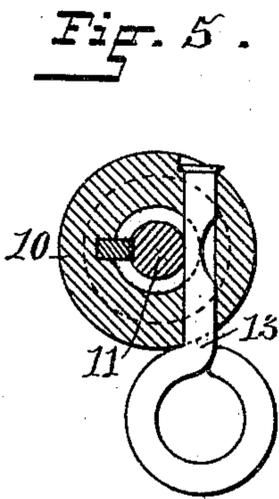
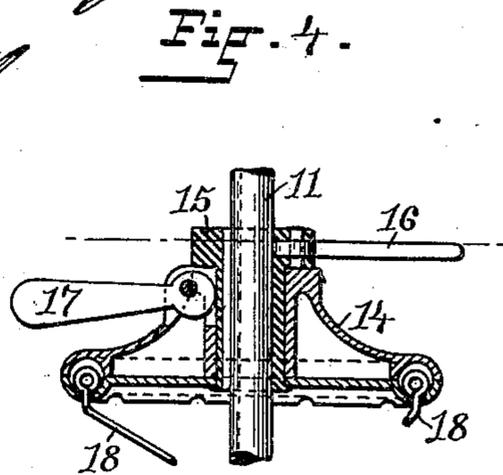
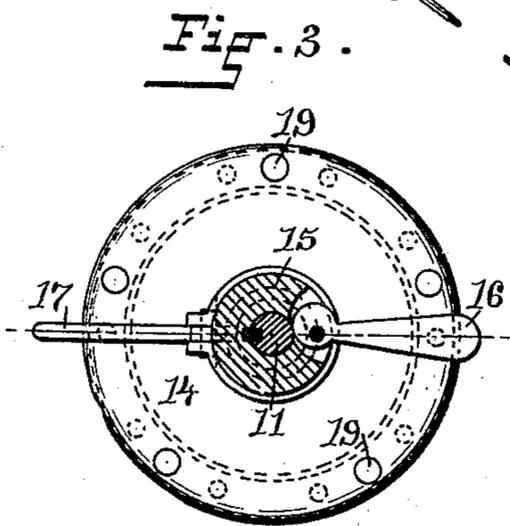
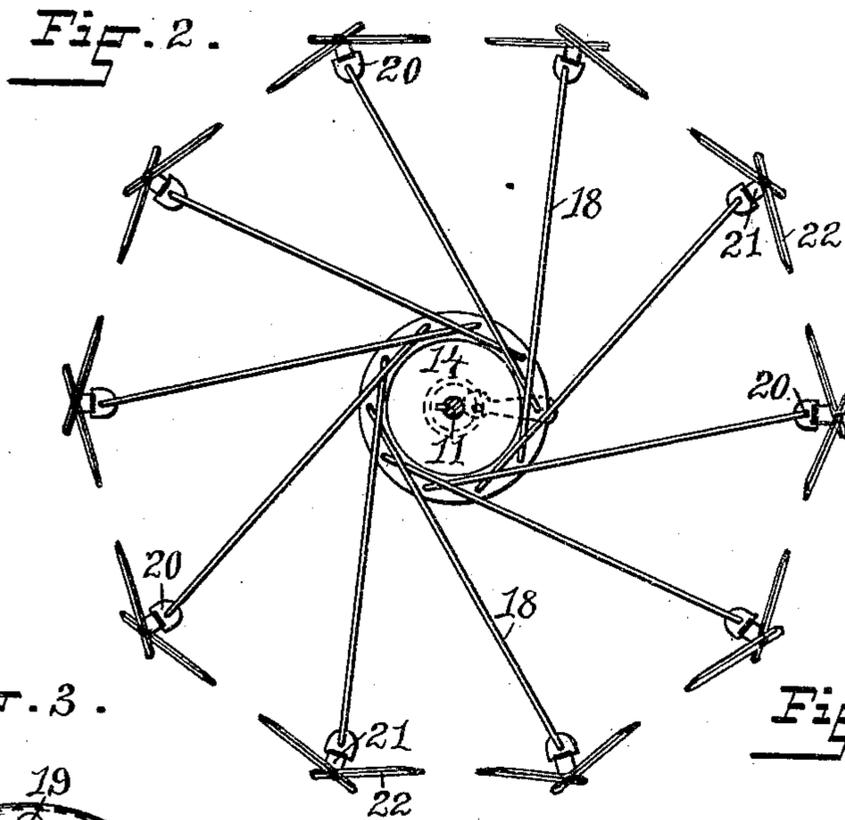
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Joseph A. Miller
Atty

UNITED STATES PATENT OFFICE.

JOHN B. STONE, OF PROVIDENCE, RHODE ISLAND.

DRESS-FORM.

SPECIFICATION forming part of Letters Patent No. 410,862, dated September 10, 1889.

Application filed March 18, 1889. Serial No. 303,670. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. STONE, of the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Dress-Forms, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to improvements for adjusting, extending, and supporting the strips or wires forming the outer part or skeleton of a dress-form; and it consists in the peculiar and novel construction of two or more supports and their radial connections with the dress-form, by which the dress-form is expanded or contracted and supported, as will be more fully set forth hereinafter.

In the drawings similar letters of reference indicate corresponding parts throughout.

Figure 1 is a view showing the expanded dress-form supported on a central rod. Fig. 2 is a horizontal section showing the rods connecting the form-ribs with the central adjustable disk. Fig. 3 is a top view of the adjustable disk, shown partly in section. Fig. 4 is a sectional view of the adjustable disk and the supporting-sleeve. Fig. 5 is a sectional view of the tube and standard, showing the locking device by which the standard is connected with the tube.

In dress-forms as heretofore constructed the adjustment of the outer ribs to the desired circumferential measurement was effected by sliding the blocks in which the braces are hinged vertically. To effect this, the sliding block had to be released from the standard and raised to expand the ribs. The weight of the block, the braces, and the spring-tension of the ribs had to be overcome nearly at arm's length of the operator. To ladies, the frequent adjustment of these forms is trying and difficult.

The object of this invention is to overcome this difficulty and construct a dress-form in which the supports of the expanding-braces require no raising or lowering when the dress-form is in use and less strength or effort to adjust the ribs to the required dimensions. To attain this object I place on the standard vertically-adjustable sleeves and secure the same in the proper position when the form is

set up for use. On these sleeves are secured disks, and each is provided with a clamping device, by which the disk is secured to the sleeve in any desired position. The ribs of the form are connected to the disks by braces, so that by turning the disks the braces will assume a radial position for the largest expansion of the form and a tangential position for the contracted form having the smallest circumference, thus allowing the use of the form without any vertical change of the central adjustable supports with considerable changes in the circumferential length.

In the drawings, 10 indicates a tube, which is usually secured to any suitable supporting-base. The standard 11 is supported in the tube 10, and extends upward, forming the support of the dress-form. The standard is provided at its lower end with the grooves 12, into which the pin 13 enters. The pin 13 is provided with a loop or handle, and a portion of the pin is cut away, so that by turning the pin the standard 11 may be raised or lowered to adjust the dress-form to the desired length of dress.

The disks 14 turn on the sleeves 15. These sleeves 15 are secured to the standard by means of the cam-lever 16. The disk 14 is secured to the sleeve by the cam-lever 17. The braces 18 are secured in the disk 14 by bending the ends at right angles, then inserting the bent ends through a hole in the disk and bending the projecting ends into loops. The disk 14 may be made as shown in Fig. 4, in which the disk proper is formed with a concave angular groove. The wires or braces are secured, as above described, so that the bent loop is in the annular groove. The upper part of the disk, provided with the cam-lever 17, is also provided with an annular groove, and the two parts are secured together by the screws or rivets 19, as shown in Fig. 3.

The braces 18 are pivotally secured to the metal clamps 20, which are secured to the vertical ribs 21. The cross-ribs 22 are pivotally connected to the vertical ribs 21, and, crossing over from one rib to the next rib, are secured to the lower end of the vertical ribs, by a rivet or similar connection passing through the slots 23 near the lower end of the cross-ribs 22. Loosely connected with the ribs 21, at the

waist end at the hip portion of the dress-form, by means of loops or slides, are the bands 24. These bands are provided with a number of holes into which a button secured to one part of the band 24 can be entered. These holes are preferably numbered. The bands are made of metal, so as to at all times keep their form and exact diameter.

Great strength and rigidity are secured in my improved dress-form by reason of the cross-ribs 22.

Dress-forms are usually placed in the different departments of a store having ladies', misses', and children's dresses for sale. All the variations in size in each one of these departments can be quickly secured in my improved dress-form by turning the disks 14, so as to expand or contract the ribs, and by loosening the sleeves 15 and moving the upper disks farther apart or closer together the dress-form arranged for one department can be readily changed for a larger or smaller general size.

For transportation the dress-form can be collapsed, so as to take up but little space, by loosening the sleeve 15 and allowing the disks 14 to slide on the standard until the ribs are in contact with the disks 14.

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

1. In a dress-form, the combination, with the standard 11, provided with the grooves 12, of the tube 10, and the locking device 13, consisting of a cylindrical portion, part of which is cut away, and a loop forming a handle constructed to adjust the height of the dress-form and secure the same by turning the locking device, as described.

2. In a dress-form, the combination, with the vertical ribs forming the skirt of the dress-form and the standard, of two or more disks constructed to be turned horizontally, and provided with mechanism for securing the same

in the desired position, and braces pivotally connected with the disks and with the vertical ribs, the whole constructed so that by turning the disks the tangential position of the braces is changed to the radial position, or vice versa, and the vertical ribs are expanded or contracted, as described.

3. The combination, in a dress-form, with the vertical ribs and tangential braces pivotally connected with the vertical ribs and with a disk supported on the standard at the lower part of the dress-form, of ribs pivotally connected with the vertical ribs near the upper part and secured to the lower part of the next rib, as described.

4. In a dress-form, the combination, with the standard 11, of two or more disks 14, constructed to turn horizontally, the braces 18, pivotally connected with the disk or disks and with the vertical ribs, and the ribs 21 and 22, and the cam-levers 17, constructed to secure the dress-form in the expanded condition, as described.

5. In a dress-form, the combination, with the standard 11, the vertical ribs 21 and 22, and the bands 24, of the disks 14, braces 18, pivotally connected with the disks 14 and the vertical ribs 21, and the cam-levers 17, constructed to expand the dress-form to the adjustment of the bands, as described.

6. In a dress-form, the combination, with the standard 11, of the sleeve 15, provided with the cam-lever 16, the disk 14, and cam-lever 17, and the braces 18, pivotally connected with the vertical ribs of the dress-form, and with the disk 14, constructed to expand or contract the dress-form by partial rotation of the disk 14, as described.

JOHN B. STONE.

Witnesses:

M. F. BLIGH,

J. A. MILLER, Jr.