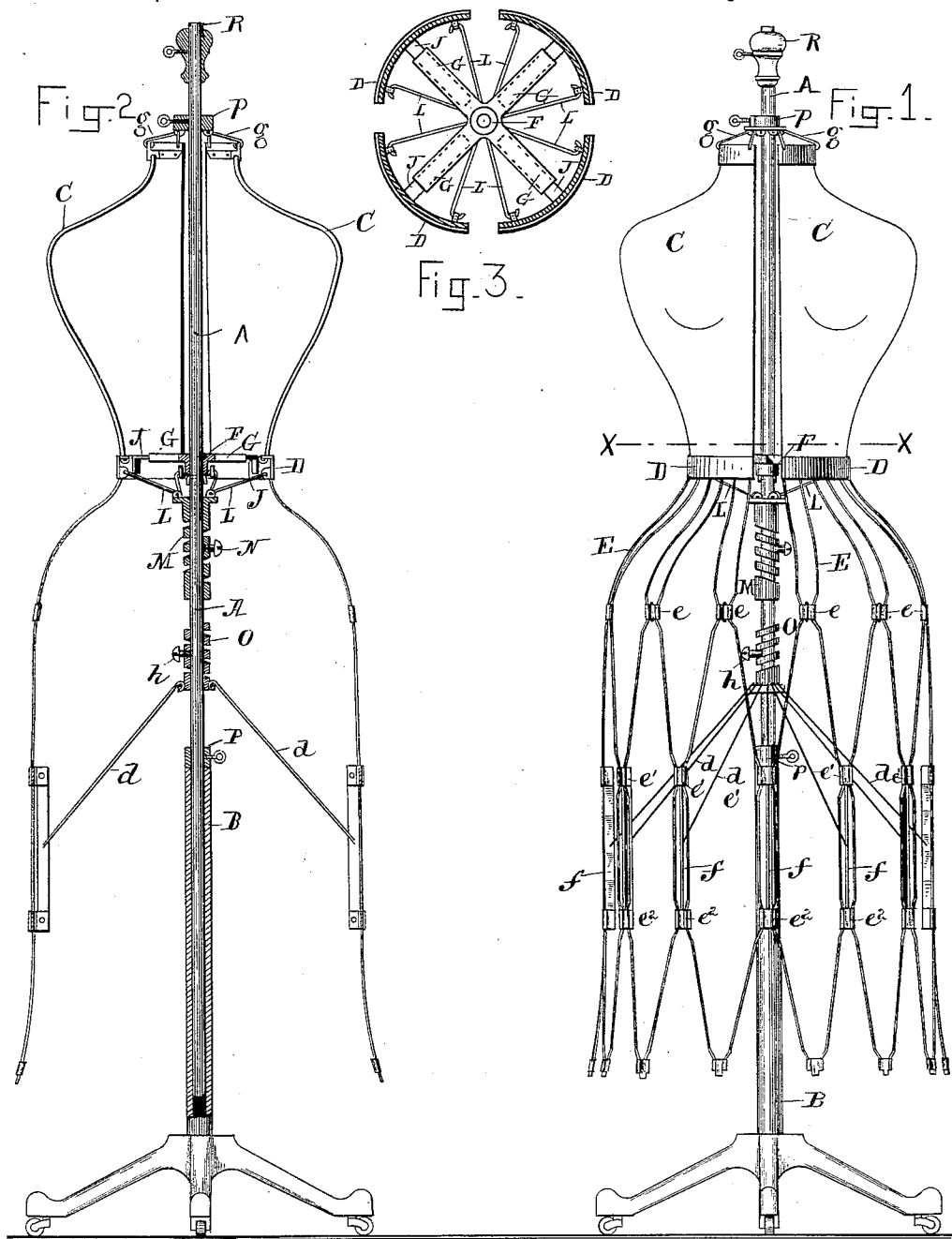


(No Model.)

W. VOGLER.
DRESS FORM.

No. 479,232.

Patented July 19, 1892.



WITNESSES:
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INVENTOR:
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UNITED STATES PATENT OFFICE.

WILLIAM VOGLER, OF SOMERVILLE, ASSIGNOR TO CHARLES A. MORSS, OF BOSTON, MASSACHUSETTS.

DRESS-FORM.

SPECIFICATION forming part of Letters Patent No. 479,232, dated July 19, 1892.

Application filed October 25, 1888. Renewed January 16, 1892. Serial No. 418,250. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM VOGLER, a citizen of the United States, residing at Somerville, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Adjustable Dress-Forms, of which the following is a specification.

One part of my invention has reference to the structure which constitutes the skirt portion of the dress-form; and it consists in a structure of wire whereby the same is rendered light and firm.

Another part of my invention consists of certain improvements in the mechanism for adjusting the dress-form to various sizes, so as to render it simpler in operation and less expensive in construction.

Figure 1 is a front elevation. Fig. 2 is a longitudinal section. Fig. 3 is a cross-section through the line *x x*.

A is the post or standard which fits into the tubular rod B, which is supported upon feet in the usual way.

The dress-form consists of a waist portion, which corresponds to the general shape of a lady's dress-waist, and is composed of papier-maché or any suitable material and is divided into four sections C C. These sections are riveted to the waistband, which is made of cast metal and divided into four corresponding sections D D. The skirt portion is composed of wire strips E E, bent into suitable shape, which at their upper ends are rigidly fastened to the sections D D of the waistband and are connected to each other at several points in their length, so as to form a light, elastic, and firm structure.

F is a collar free to revolve on the standard and supported thereon by a pin or other suitable means. Cast integral with this collar F, or rigidly secured to it in any suitable way, are four horizontal sleeves G G. Fitted to the sleeves G G are slide-bars J J, which at their outer ends are bent downward at a right angle and riveted to the waistband-sections D D. Upon these slide-bars J J the dress-form is mainly supported, and in the operation of expanding and contracting it the dress-form remains at the same height. Pivoted to ears cast upon the waistband-sections D D

are a series of links or braces L L, which at their inner ends are pivotally connected to a worm M, which engages with a stud or screw N, which is fixed in the standard. Below the worm M is another worm O, which is cut in the reverse direction to the former, which engages with the stud or screw *h*, fixed in the standard, and to which is hinged a series of links or braces *d d*, downwardly inclined and pivotally connected to the skirt portion at their outer ends. At the neck of the dress-form is a series of links or braces *g g*, pivotally connected to the four sections C C and to a collar *p* upon the standard, provided with a set-screw.

The height of the dress-form may be adjusted by raising the standard and then fixing the collar P by means of its set-screw, so that the dress-form will be supported by the collar P, resting upon the top of the tubular rod B.

To expand the skirt portion of the dress-form, place one hand upon the handle R at the top of the standard and revolve the dress-form with the other from right to left. This causes the worm M to ascend and the worm O to descend and through their connecting-braces to expand the dress-form. To contract the dress-form, revolve it in the reverse direction. The size of the neck is adjusted by the collar P and its connecting links or braces *g g*.

The construction of the skirt portion is an important feature of my invention. It will be observed that the wires which compose it are stayed at five different points—namely, at the top, bottom, and three intermediate points. This construction renders the skirt firm throughout its entire length. The wires are fastened to each other by tin or sheet-metal clips *ee'e'*, which are bent around them and then clinched. Extending between the intermediate clips *e'e'* are other wires or strips *f f*, to which the braces *d d* are pivoted. I prefer this construction, although the braces *d d* may be pivoted directly to the wires E E.

Other important features of my invention are the means of supporting the dress-form upon and adjusting it by the slide-bars J J, so that it does not rise or fall in expanding

or contracting, and the employment of the worms M and O to operate the pivoted braces.

I do not broadly claim a dress-form composed in part of wires arranged in a zigzag order, each wire being secured to one adjacent at its top and to an adjacent one on the other side at its bottom; it being characteristic of my improvement that wires are secured together in pairs both at top and bottom and that each member of every pair is at intermediate points secured to an adjacent member of another pair. Nor do I broadly claim devices for adjusting the lateral dimensions of a dress-form by a revolving spindle operative from the top thereof, the form being raised or lowered thereby, nor a laterally-expandible form having separately-adjustable sections with interiorly-situated devices for effecting the adjustment. It is characteristic of my improvement that the waist and the form below it can be laterally expanded or contracted without altering its vertical position and without altering its neck size, and that this can be effected by means of rotating a single standard or spindle connected, as specified, with the expanding devices.

What I claim as my invention is—

1. An adjustable skirt-form provided with means for expanding and contracting it and supported upon a central standard, said skirt-form being composed of waistband-sections D D and a series of longitudinal wires or strips E E, arranged in pairs and rigidly secured to said sections at their upper ends, the wires of each pair being secured to each other at or near the hip portion by clips *e e* and also at their lower ends, each wire being also connected to the nearest wire of the pair next to it at one or more points between the clips *e e* and the lower connected ends of the wires, substantially as set forth.

2. An adjustable skirt-form provided with means for expanding and contracting it and supported upon a central standard, said skirt-form being composed of waistband-sections

D D and a series of longitudinal wires E E, arranged in pairs and rigidly secured to said sections at their upper ends, said wires being also secured to each other at or near the hip portion and at their lower ends, and the adjacent wires of the pairs being secured at two intermediate points, as *e' e'*, and provided with vertical strips *f f*, secured at *e' e'*, all substantially as described.

3. In an adjustable dress-form, a central standard A, having the waistband-sections D D and a collar F, free to revolve on the standard, said collar being held against vertical movement and provided with a series of horizontal sleeves G G, in combination with a series of horizontal arms or slide-bars J J, rigidly secured to the band-sections and sliding in said sleeves revolving with the collar, and a series of braces L L, pivotally connected at their outer ends to said dress-form sections and at their inner ends to a collar adjustable upon the standard, substantially as described.

4. In an adjustable dress-form, a central standard A, having the waistband-sections D D and a collar free to revolve on said standard, said collar being held against vertical movement and provided with a series of horizontal sleeves G G, in combination with a series of horizontal arms or slide-bars J J, fixed to the band-sections and sliding in said sleeves, and a series of braces L L, pivotally connected at their outer ends to said dress-form sections and at their inner ends to a worm M, engaging with the stud or screw N, fixed to the standard, and a series of braces *d d*, pivotally connected to the dress-form sections at their outer ends and at their inner ends to the reversely-threaded worm O, which engages with the stud or screw *h*, fixed in the standard, the inner ends of the braces being higher than their outer ends, substantially as described.

WILLIAM VOGLER.

Witnesses:

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