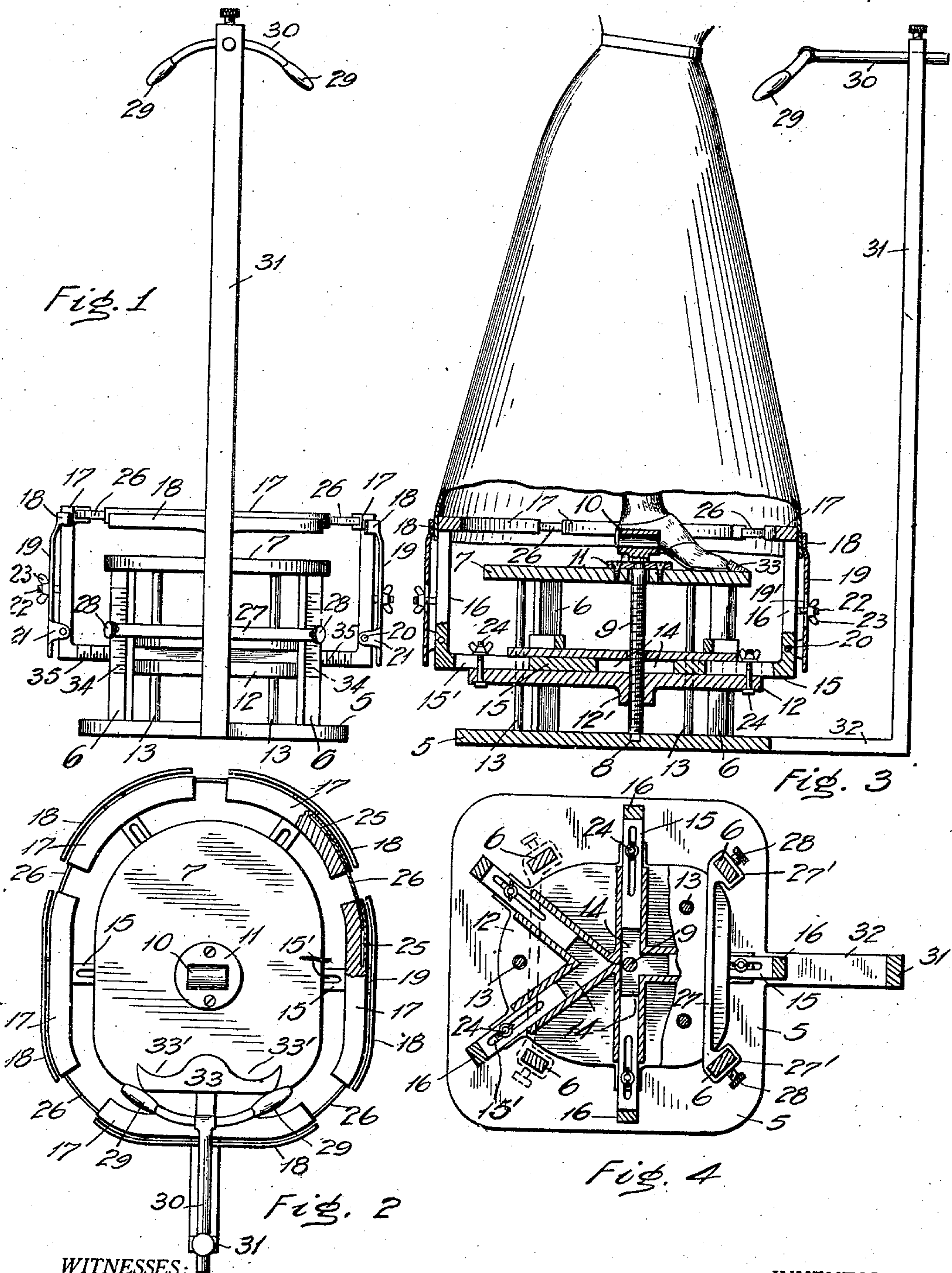


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SKIRT MARKER.
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944,570.

Patented Dec. 28, 1909.



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SAMUEL S. MORITZ, OF DAYTON, WASHINGTON.

SKIRT-MARKER.

944,570.

Specification of Letters Patent.

Patented Dec. 28, 1909.

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To all whom it may concern:

Be it known that I, SAMUEL S. MORITZ, a citizen of the United States, residing at Dayton, in the county of Columbia and State of Washington, have invented certain new and useful Improvements in Skirt-Markers, of which the following is a specification.

The object of this invention is the provision of improved means whereby the skirts of women's garments may be conveniently and accurately marked at a uniform distance from the ground.

The invention consists in the novel construction, adaptation and combination of devices, as will be hereinafter described and claimed.

In the accompanying drawings, illustrating an embodiment of my invention: Figure 1 is a front elevation; Fig. 2 is a plan view; Fig. 3 is a longitudinal vertical section; and Fig. 4 is a horizontal section.

The reference numeral 5 designates the base wherefrom extend upwardly posts 6 to support a platform 7. The aforesaid parts are connected together to furnish a rigid structure and constitute the frame of the apparatus. Extending through the platform and having its lower end seated in a step bearing 8 in said base is an upright screw 9 which is arranged to be rotated by suitable means, such as a handle-stick (not shown) inserted in a socketed head 10. Said screw is prevented from endwise motion through the medium of a collar plate 11 fitting within a peripheral groove in the screw and rigidly secured to the frame-platform. Intermediate said platform and base is an elevator 12 arranged for vertical movement upon guide-rods 13 which are rigidly connected to the frame members 5 and 7. The elevator is provided with a boss 12' having a screw-threaded hole to accommodate the screw so that when the latter is rotated it will impart corresponding up or down movements to the elevator. Provided in the elevator and arranged to extend in substantially radial directions with respect to the screw is a plurality of ways 14 for the horizontal bars 15. The bars are severally provided at their outer ends with upwardly extending arms 16 which, in turn, are provided at their upper extremities with arcuate elements 17, which will be hereinafter designated as "conformers", and arranged to have their convex sides directed outwardly, as represented in Fig. 2. Associ-

ated with each of said conformers and positioned exteriorly thereof are other arcuate elements 18 and referred to hereinafter as the "clamping jaws". Such jaws are arranged to have their upper edges at some distance (say one-half of an inch) below the corresponding edges of the complementary conformers 17.

The clamping jaws 18 are provided at, or near, their mid-lengths with downwardly extending arms 19 which are hingedly connected with the respective aforementioned arms 16, as by the pivotal pins 20 extending through the latter and ears 21 provided upon the arms 19. 22 are screw studs projecting from the arms 16 and through apertures, such as 19' of the arms 19, to receive outside of the latter winged nuts 23 whereby the clamping actions of the jaws and the conformers are effected.

The bars 15 are each provided with a slot 15' wherethrough is extended a nutted bolt 24 from the elevator for securing the bars in selected positions. Slidably fitting within recesses 25 in the respective conformers are metal strips or rods 26 whose offices are to support the ends of such conformers against tilting and to bridge the intervening gaps when the assemblage of the conformers are distended in adapting the apparatus for use in marking a perimetrically large skirt.

27 represents bars which are fixedly secured to, or made integral with, the elevator and are provided with apertured ends 27' through which extend the aforesaid posts 6 and are provided with binding screws 28 adapted to have their ends engage against the posts for reliably securing the elevator at adjusted heights, and supplementary to the sustaining power of the screw.

For the purpose of affording a steady rest for a person when standing upon the platform, handles 29 are provided and may be grasped by the person. These handles are desirably formed upon a T-shaped attachment 30 of an upright bar 31 which is supported by an extension 32 to the frame base 5.

A block 33 is secured upon the platform at the front and is formed with two concavities 33' whereinto are received the toes of the person occupying the platform for properly locating her position.

As a convenience in adjusting the height to which the elevator must be moved to carry the top edges of the clamping jaws 18 to a

predetermined elevation above the platform, graduate marks, such as 34, are provided upon the posts 6 and are appropriately arranged to register with the top edges of the bars 26. Graduate marks 35 are also provided upon the bars 15 to furnish means for properly setting out the individual clamping jaws and conformers when the fullness of a skirt to be measured is known; otherwise the outsetting of said elements would be accomplished through trial after the person takes her stand upon the platform.

The operation of the invention is as follows: The screw 9 is first manipulated to raise, through agency of the elevator 12, the jaws 18 to present the top edges thereof in a horizontal plane above the top of the platform to an amount equal to the distance which the person's dress which is to be marked will clear the floor, or at the level whereat a marking for a tuck or the like is to be made. When the proper elevation of the jaws is obtained the elevator is secured against displacement by utilizing the screws 28. The bars 15 are then successively moved in or out, as required, to accommodate the circumferential size of the garment and thereupon the bars are secured in place by the nutted screws 24, as before explained. The person whose skirt is to be marked now ascends the platform and stands thereon in her natural posture and with the toes of her feet against the block 33 and, if she desires, may support herself by clasping in her hands the handles 29. The bottom of the skirt is then introduced between the conformers and jaw members 17 and 18 and, when it is hanging properly, the nuts 23 are actuated to cause the skirt to be clamped between said conformers and jaws, as represented in Fig. 3. Then the operator circumscribes the skirt fabric with a piece of chalk so as to have the latter mark against the jaws 18 and against the backing afforded by the conformers 17 within the skirt.

The invention is comparatively inexpensive to construct and is simple and convenient to operate, while rendering efficient service in the accomplishment of the objects for which intended.

What I claim as my invention, is—

1. A skirt marker consisting of a frame comprised of a base, a superposed platform, and posts extending upwardly from the base for supporting said platform, in combination with an elevator positioned between said base and platform, means for effecting vertical movements to said elevator, bars connected for radial adjustments with the elevator, arms extending upwardly from said bars, arcuate conformers carried at the upper ends of the respective arms, an arcuate clamping jaw provided for each of said conformers and severally provided with a

downwardly extending arm which is pivotally connected with the respective of the aforementioned arms, and screw devices for causing said jaws to be brought into clamping relation with the respective conformers.

2. In a skirt marker, the combination with a frame including a platform, an elevator connected with the frame for vertical movements with respect to said platform, means for accomplishing such movements of the elevator, of a plurality of conformers carried by said elevator and arranged for radial adjustments with respect to the elevator, arcuate jaws for the respective conformers, and means whereby the couples of jaws and conformers are caused to cooperate to afford clamping members.

3. A skirt marker consisting of a frame composed of a base, a superposed platform, and posts extending upwardly from the base for supporting said platform, in combination with an elevator positioned between said base and platform, screw devices for effecting vertical movements to said elevator, bars connected for radial adjustments with the elevator, means for securing the bars in adjusted positions to said elevator, arms extending upwardly from said bars, arcuate conformers carried at the upper ends of the respective arms, devices slidably connected within the adjacent ends of said conformers, an arcuate clamping jaw provided for each of said conformers and severally provided with a downwardly extending arm which is pivotally connected with the respective of the aforementioned arms, and screw devices for causing the said jaws to be brought into clamping relation with the respective conformers.

4. A skirt marker consisting of a frame composed of a base, a superposed platform, and posts extending upwardly from the base for supporting said platform, in combination with an elevator positioned between said base and platform, means for effecting vertical movements to said elevator, bars connected for radial adjustments with the elevator, arms extending upwardly from said bars, arcuate conformers carried at the upper ends of the respective arms, an arcuate clamping jaw provided for each of said conformers and severally provided with a downwardly extending arm which is pivotally connected with the respective of the aforementioned arms, and screw devices for causing said jaws to be brought into clamping relation with the respective conformers, an upright steady-rest connected with the frame base, and a block secured upon said platform and serving as a stop for the toes of a person occupying the platform.

SAMUEL S. MORITZ.

Witnesses:

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