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Fig. 1.

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UNITED STATES PATENT OFFICE.

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SKIRT-REGULATOR.

No. 929,787.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, TANDY M. QUISENBERRY, citizen of the United States, residing at Winchester, in the county of Clark and State of Kentucky, have invented certain new and useful Improvements in Skirt-Regulators; 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.

This invention relates to skirt-regulators, or apparatus for use by dress-makers to determine the proper height at which the hem of a lady's skirt should hang; such apparatus comprising, in general terms, a stand or platform provided with an adjustable band or ring which is adapted to be raised or lowered and serves as a gage for marking the bottom or hem of a skirt while fitted on a person standing upon the platform.

The object of my invention is to improve the construction of such apparatus, and to provide a simpler, more practicable and more convenient skirt-regulator of the character described than has been heretofore devised.

The invention will hereinafter be fully described with reference to the accompanying drawings, which form a part of this specification, and then more particularly pointed out in the appended claims.

In said drawings, wherein corresponding parts in the different figures are designated by the same reference symbols: Figure 1 is a perspective view of my improved skirt-regulator, with parts broken away to disclose the adjusting mechanism for the measuring band. Fig. 2 is an enlarged central vertical sectional view, showing the band in lowered position and indicating its raised position by dotted lines. Fig. 3 is a detail sectional view of one of the shaft bearings.

Referring to the drawings, in which a preferred embodiment of my invention is represented, the letter *a* denotes a circular stand or platform, mounted on short supporting legs which bring the top of the stand to the convenient height of an ordinary step above the floor. Loosely encircling the stand or platform, and adapted to be adjusted vertically for several inches above the top surface thereof, is a hoop or band *b*, which serves as the gage for determining the height at which the hem of the skirt is to be made. Said band *b* is or may be provided with an outstanding bead or projection *c*, which af-

fords a protruding edge upon which the skirt can be pressed and creased, or marked with any suitable material such as a piece of tailors' chalk. When in its lowered position, the said band *b* rests on a number of lugs or pins *d* provided about the circumference of the top of the stand. For elevating and lowering the band *b*, said band is mounted at a plurality of points about its circumference on standards *e, e*, rising from horizontal arms *f* which extend under the platform from a common center, where they are mounted on the upper end of a vertically disposed center post *g*. Said post *g* is slidably fitted or movably arranged in a tube or cylinder *h* which is rigidly affixed to and suspended from the bottom of the platform *a* by means of a number of brackets or braces *i*.

While a preferred construction is shown in the drawings, the tube or cylinder *h* may be constructed in any suitable manner, and rigidly supported by any other appropriate means. The said post *g* is provided with a rack *j*, which is engaged by a pinion *k* working through a slot or opening therefor, in the cylinder *h*. The said pinion *k* is mounted on a shaft *l*, through which it is operated by means of a crank *m*. Said shaft *l* is shown journaled in bearings *n* mounted on the opposite rungs *o* of the stand. The bearings *n* as a matter of convenience but not of necessity, are adjustably secured in position; and to this end they may be provided with clamps *p* as shown in detail in Fig. 3. One of said bearings is provided with a set-screw *q*, operable to hold the shaft *l* against rotation, thereby locking the post *g* against movement, and thus holding the gage or band *b* in any determined position, or any other appropriate device may be substituted to fix the gage in its various positions.

At one side of the platform *a* there is provided a socketed bracket *r* which is adapted to support a staff *s*, which the person who is being fitted may hold, for support, while standing upon the stool.

In operating the device, after the lady being fitted has mounted the stand, the gage-band *b* is raised to the desired height, by turning the crank *m*, and is then fixed in such position by means of the set-screw *q*. This places the bead *c* on the band *b* at the desired height above and parallel to the top of the stand, so that a skirt pressed and marked against the bead will, when made according to the markings, hang evenly at all points

above the ground, and will also have the exact measurement or length desired, without the usual trouble accompanying the ordinary methods of dress-making.

5 The gage-band may be of any desired form, circular or oval-like forms being especially suitable, and the apparatus may be modified in some of its details without departing from the scope of my invention.

10 It will be observed that the device is simple in construction and convenient and practicable in operation. The working parts are few in number, and of such construction and arrangement as not to be easily disordered or
15 broken. The whole movable portion is supported on the central post, so that there is no liability of derangement or uneven working, as might be the case if a plurality of elevating means were employed.

20 Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A dress-maker's skirt-regulator comprising a stand or platform, a movable band,
25 a vertically-adjustable supporting member therefor centrally arranged under said stand, arms radiating from said member and having rising standards upon which said band is mounted, and means for operating said mem-
30 ber for adjusting said band.

2. A dress-maker's skirt-regulator comprising a stand, a vertically movable frame thereunder having standards rising free of the stand structure and outside of the perim-
35 eter of the stand, a hoop or band mounted upon said standards, and operating means for working said frame for vertically-adjusting said band.

3. A dress-maker's skirt-regulator comprising a stand, a vertical tube supported by depending brackets below the stand, a ver-
40 tically-adjustable post mounted in said tube, a frame or spider carried by said post and having rising standards, a hoop or band
45 mounted upon said standards, and means for operating said post.

4. A dress-maker's skirt-regulator comprising a stand or platform, a movable band or hoop mounted for vertical adjustment rel-
50 ative to the platform, a vertically movable rack, means connecting said rack and band, and a pinion operatively mounted upon the stand and engaging the rack to effect its movements.

55 5. A dress-maker's skirt-regulator comprising a stand or platform, a vertically-adjustable band, a post carrying said band, said post being provided with a rack, and a pinion operatively mounted on the stand structure
60 and engaging the rack and adapted to move the post for adjusting said band.

6. A dress-maker's skirt-regulator com-

prising a stand or platform, a movable band, a plurality of standards upon which said band is mounted, a central post attached to
65 and supporting said standards, said post being vertically adjustable and provided with a rack, and a pinion operatively mounted on the stand structure and engaging said rack to effect said vertical adjustment. 70

7. A dress-maker's skirt-regulator comprising a platform, an annular band, a verti-
cally movable spider below said platform upon which said band is supported, a post
75 arranged vertically below said platform and supporting said spider, a tube in which said post is movably mounted, a rack on said post, and a pinion engaging said rack, and means for operating said pinion.

8. A dress-maker's skirt-regulator com- 80
prising a stool-like stand, a vertically adjustable band, a spider below said stand upon which said band is supported, a central post provided with a rack arranged vertically be-
85 low said stand and supporting said spider, a pinion gear engaging said rack, and bearings in which the shaft of said pinion is mounted, said bearings being provided with clamps for adjustably fixing said bearings in position.

9. A dress-maker's skirt-regulator com- 90
prising a platform, an annular band, a vertically movable spider supporting the band, a post arranged vertically below the platform and carrying the spider, a casing in which the post is movably mounted, a rack on the
95 post, a pinion engaging the rack, and means for operating the pinion.

10. A dress-maker's skirt-regulator comprising a stool-like stand, a vertically adjustable band, a spider supporting the band and
100 extending below the stand, a post mounted below the stand and carrying the spider, the post being provided with a rack, a pinion engaging the rack, a shaft to which the pinion is fixed, bearings for the shaft, the bear-
105 ings being adjustably secured to the stool-like stand, and means for turning said shaft.

11. A dress-maker's skirt-regulator comprising a stand or platform, a movable band or hoop mounted for vertical adjustment rel-
110 ative to the platform, a rack carrying the band, a pinion and its actuating shaft operatively mounted on the stand structure, the pinion engaging said rack to effect its vertical adjustment, and clamp means operable to
115 lock said shaft against rotation to hold the band at a desired elevation.

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

TANDY M. QUISENBERRY.

Witnesses:

Mrs. J. W. STAPLETON,
Mrs. M. L. ARTIS.