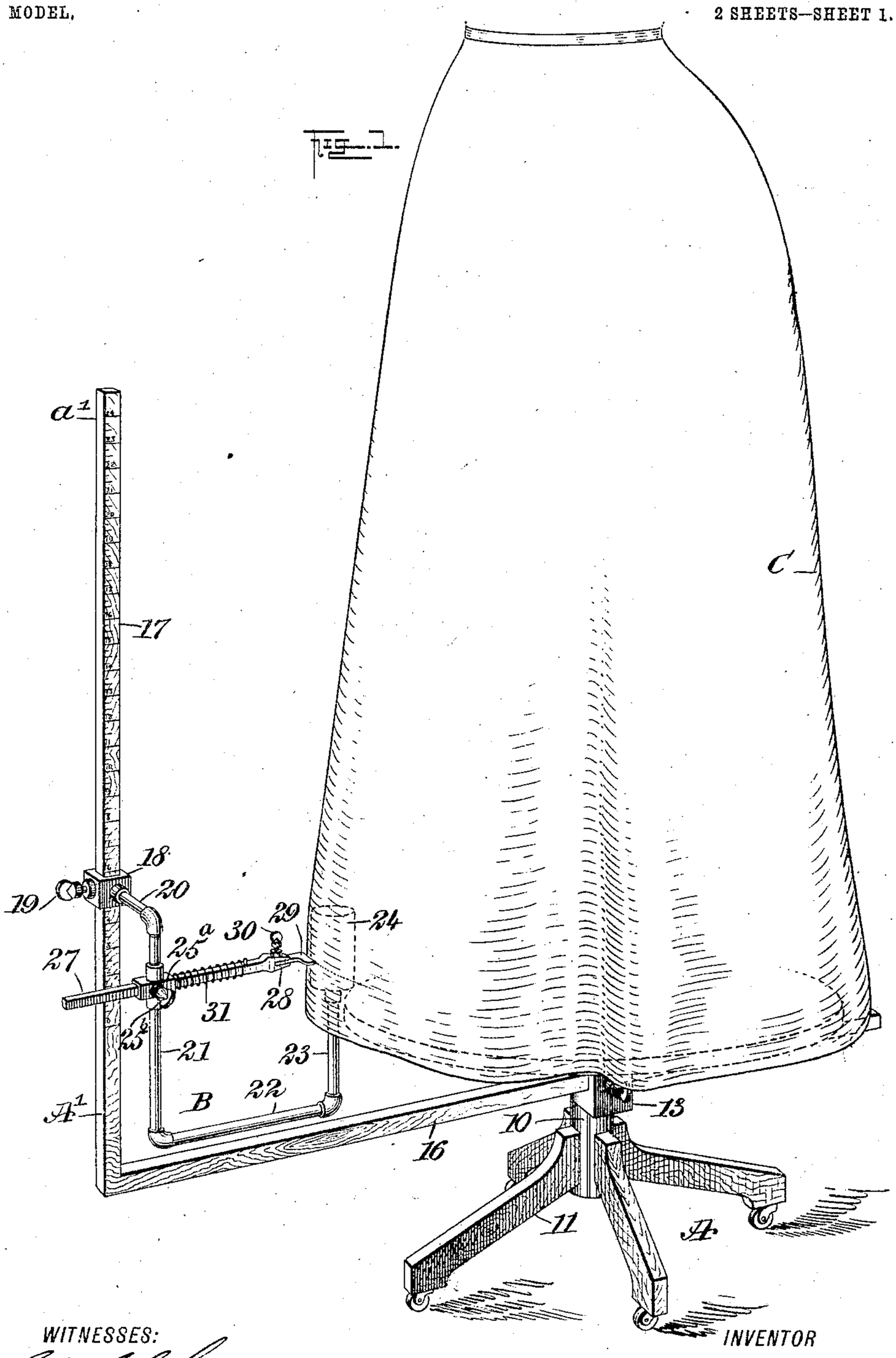
No. 765,529. PATENTED JULY 19, 1904.

A. R. WATERMAN.

GAGE AND MARKER FOR GARMENTS.

APPLICATION FILED FEB. 17, 1904.

NO MODEL. 2 SHEETS—SHEET 1.



WITNESSES:

INVENTOR

Albert R. Waterman

BY

ATTORNEYS

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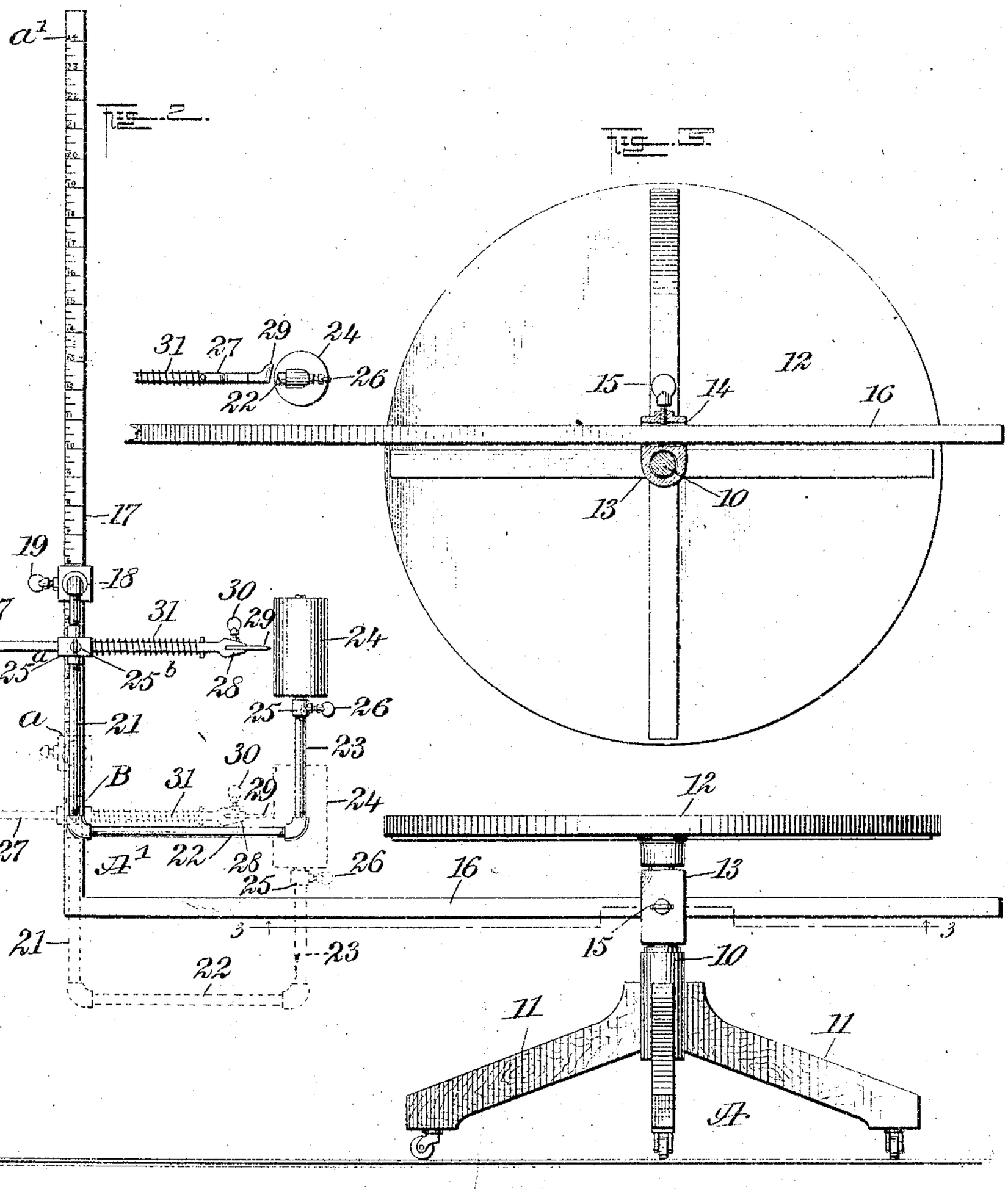

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No. 765,529. Patented July 19, 1904.

UNITED STATES PATENT OFFICE.

ALBERT R. WATERMAN, OF NEW YORK, N. Y.

GAGE AND MARKER FOR GARMENTS.

SPECIFICATION forming part of Letters Patent No. 765,529, dated July 19, 1904.

Application filed February 17, 1904. Serial No. 193,965. (No model.)

To all whom it may concern:

Be it known that I, ALBERT R. WATERMAN, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Gage and Marker for Garments, of which the following is a full, clear, and exact description.

The purpose of my invention is to provide a marking device and gage for garments adapted to expeditiously and accurately mark any garment which is to be taken up or shortened, the device being especially adapted for uniformly shortening or evening the bottom portions of skirts, coats, cloaks, or dresses of all kinds and of all sizes, whereby when a hem is to be made at the bottom of the garment or when the garment is to be shortened the marking on the garment will be an even distance from the floor all around said garment.

Another purpose of the invention is to provide a construction whereby the person wearing the garment to be treated may conveniently stand stationary while the marking members of the device are adjusted and operated to produce the bottom line on which the garment is to be taken up or upon which the circular cut is to be made and, further, to so construct the device that the marking operation may be performed without inconvenience to the model.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved device, illustrating its adaptation. Fig. 2 is a side elevation of the device, and Fig. 3 is a horizontal section on the line 33 of Fig. 2 looking upward.

The base A of the device consists of a stem or vertical shaft 10, to the lower portion of which supporting-legs 11 are firmly attached, and an upper table 12, which is secured to the upper portion of the stem or shaft 10. Preferably this stem or shaft 10 between the legs 11 and table 12 is reduced in diameter; but this reduction is not absolutely necessary, as it is made simply to better accommodate a block 13, which is mounted to turn freely on the said stem or shaft 10. This block 13, as shown in Fig. 3, is provided with a transverse opening 14, preferably rectangular in cross-section, into which opening a set-screw 15 extends. The said block 13 is adapted to carry an angular gage-arm A′, comprising, essentially, a lower horizontal sustaining arm or member 16 and a vertical scale arm or member 17. The sustaining arm or member 16 is passed through the opening 14 in the block 13 and can be held in any position in a horizontal direction relative to the table 12 by means of the set-screw 15. The scale on the scale member 17 of the gage-arm A′ reads from "0" to any desired number—"24," for example—the divisions of the scale representing inches and the fractions of the same.

The largest denomination on the scale is at the top, and the cipher is at the bottom portion of the said scale member 17 of the angular gage-arm A′. The scale member 17 of said angular gage-arm A′ is adapted to support the carriage of the marking device, which is designated in its entirety as B. This carriage B consists of a sleeve 18, which is mounted to slide on the scale member 17 of the angular gage-arm A′, being held in adjusted position by a set-screw 19 and a supporting-bar which comprises an upper horizontal member 20, extending from one side of the sleeve 18, and a vertical connecting member 21, which extends downward and is attached to a lower horizontal member 22, the latter member 22 being parallel with the supporting member 16 of the angular gage-arm A′ and carried in direction of the table 12. In the further construction of the carriage an upwardly-extending vertical member 23 is secured to the inner end of the lower horizontal member 22, and at the upper end of the said vertically-extending member 23 a pulley 24 is mounted to turn, being held in adjusted position by a sleeve 25, having sliding movement on the member 23 of the carriage and held in position by a suitable set-screw 26.

The actual marker consists of a bar 27, which

is horizontally located and passes through a sleeve 25[a], having adjustable movement on the outer vertical member 21 of the said carriage, and the said sleeve is held in adjusted position when desired by a set-screw 25[b]. The marking-arm 27 is provided at its inner end with a clutch or with jaws 28, facing the roller 24, as is shown in Figs. 1 and 2, and the jaws are adapted to receive and hold a marking-dog 29, the dog being held in position by a suitable set-screw 30. A spring 31 is coiled around the marking-bar 27, having bearing against the sleeve 25[a] and against any form of extension from the inner end portion of the bar 27, as is shown in the drawings. The spring normally serves to hold the dog 29 in as close relation as possible to the pulley 24.

In operation when a skirt, for example, is to be shortened the skirt is placed on the proposed wearer or a model, and the said proposed wearer or model will take a position on the platform 12 and will remain stationary thereon, and at the same time the carriage B of the marking device is adjusted so that the pulley 24 will come within the skirt at a suitable distance beyond the lower edge thereof, as is shown by dotted lines in Fig. 1, and then the carriage B is adjusted on the scale member 17 of the angular gage-arm A′ until the upper edge of the adjustable sleeve 18 is brought to the proper denomination on the scale representing the amount of material to be trimmed off or turned up to make the skirt the desired length, as is illustrated best in Fig. 1. The marking-bar 27 will then engage with the outside of the skirt, pressing the skirt against the pulley 24, and after the required adjustments have been made it is simply necessary to turn the gage-arm A′ on its axis, which is the block 13, whereupon a uniform line will be accurately produced on the exterior of the skirt entirely around it, enabling the operator when the skirt is removed from the model to accurately cut off or turn up the surplus material, leaving the skirt of even length and an equal distance from the ground throughout the entire circumference of its lower edge.

It will be observed that this device is exceedingly simple and that it is well adapted for the purpose intended. The adjustments can be quickly made, and after the adjustments have been made the marking of the skirt is expeditiously and conveniently effected.

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

1. In a garment gager and marker, a support, a gage-arm having a horizontal and an upright member, the horizontal member having revoluble movement relative to the said support, a carriage mounted on the vertical member of the gage-arm, means for securing the carriage in adjusted position, a marking member supported by the said carriage and a bearing also supported by the carriage, as set forth.

2. In a garment gager and marker, a support, a gage-arm revoluble around the support, and provided with an upright scale member, a carriage vertically adjustable on the scale member of the gage-arm, a marking-arm vertically adjustable on the carriage and extending in direction of the support, and a bearing for the marking end of the marking-arm, which bearing is independent of the marking-arm and is adjustably supported on the carriage, as described.

3. In a garment gager and marker, a support, a revoluble gage-arm, a vertically-adjustable carriage mounted on the gage-arm, a bearing vertically adjustable on the carriage, and a sliding and spring-pressed marking-arm carried by the carriage, as set forth.

4. In a garment gager and marker, a gage-arm having a scale produced thereon, means for revolubly mounting the gage-arm, a carriage adjustable on the scale portion of the gage-arm, a locking device for the carriage, a bearing adjustably mounted on the carriage, an adjustable marking-arm received by the said bearing, the said marking-arm having means at one end to receive a chalk, and an adjustable roller-bearing located on the carriage opposite the chalk-receiving end of the marking-arm, as described.

5. In a garment gager and marker, a support, an angular gage-arm, the horizontal member of which has revoluble movement relative to said support, a carriage adjustably mounted on the vertical member of the gage-arm, said carriage having parallel vertical members, a revolving bearing adjustably mounted on one member of the carriage, and a sliding and spring-pressed marking-arm adjustably mounted on the other member of the carriage, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALBERT R. WATERMAN.

Witnesses:
LEON WASSERMAN,
FLORENCE G. KELLY.