

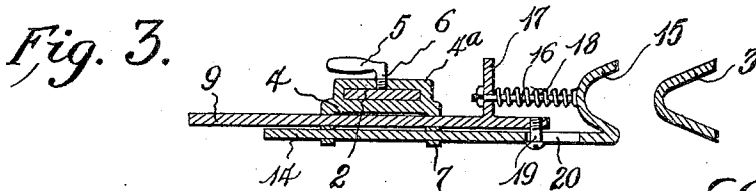
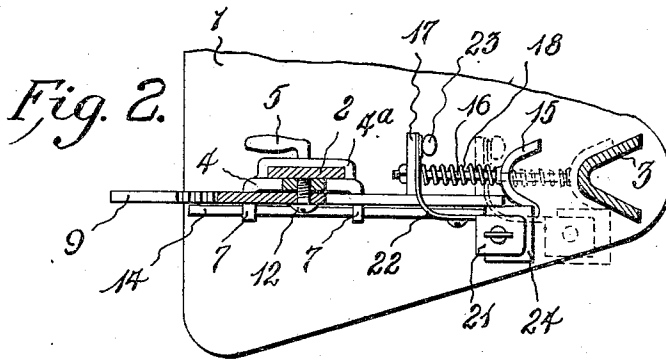
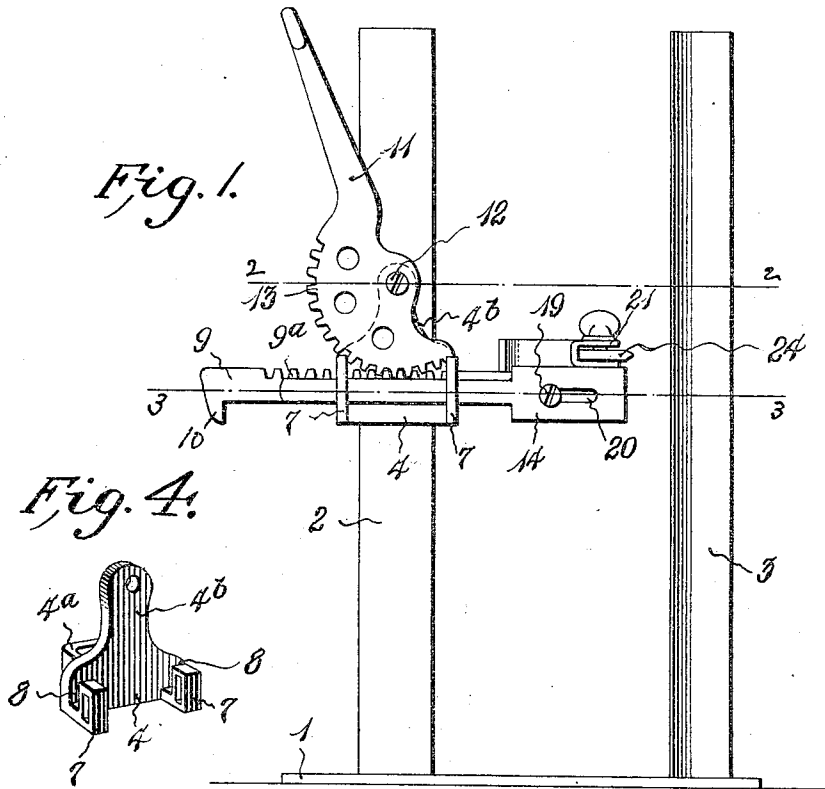
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SKIRT GAGE.

APPLICATION FILED OCT. 16, 1908.

931,825.

Patented Aug. 24, 1909.



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UNITED STATES PATENT OFFICE.

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SKIRT-GAGE.

931,825.

Specification of Letters Patent. Patented Aug. 24, 1909.

Application filed October 16, 1908. Serial No. 458,069.

To all whom it may concern:

Be it known that we, EDWIN M. WEISELL and EDWARD A. HEMSTEGGER, citizens of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Skirt-Gages, of which the following is a specification.

This invention relates to the art of tailoring, or dressmaking, and the object of the invention is to provide a simple gage device for accurately determining and marking the length of skirts.

As is well known, in cutting skirts to a determinate length the usual method is to apply the skirt to the person and mark the point at the bottom of the skirt where it is to be cut so as to be the desired length from the ground.

The present invention affords a mechanical device for gaging and marking the skirt and the invention resides particularly in the peculiar and simplified construction of the means employed.

For a full understanding of the invention, reference is to be had to the following detail description and to the accompanying drawings, in which—

Figure 1 is a side elevation of a gage embodying the essential features of the invention; Fig. 2 is a horizontal sectional view on the line 2—2 of Fig. 1 looking downwardly; Fig. 3 is a section on the line 3—3 of Fig. 1, and Fig. 4 is a detail perspective view of the runner mounted upon the gage bar and supporting the clamping and marking mechanism.

Throughout the following detail description and on the several figures of the drawings similar parts are referred to by like reference characters.

Referring to the drawings particularly the numeral 1 denotes the base of the device comprising the invention, the numeral 2 a vertical gage bar, and the numeral 3 a vertical clamping bar of V-shape in cross section preferably. Mounted for movement upon the gage bar 2 is a runner 4 consisting of a loop 4^a receiving the gage bar 2 and permitting slidable movement of the runner lengthwise thereof. A handle 5 formed with a screwed extension 6 mounted in a threaded opening in the outer side of the loop 4^a, is adapted to be turned in order to secure the

runner 4 at any desired adjustment in the length of the bar 2, the portion 6 of the handle 5 being directly engageable with the bar as shown in Fig. 2 of the drawings. Projecting outwardly from the loop or body of the runner 4 are spaced arms 7 in the upper edges of which are provided slots 8 forming seats receiving a horizontally slidable plate 9 which carries a marker. The plate 9 has a stop 10 at its outer end and its upper edge is toothed as shown at 9^a so as to be engaged by teeth of a segment lever 11. The lever 11 is pivoted as shown at 12 to a vertical extension 4^b of the runner 4 and the segment 13 of said lever is integral therewith and adapted upon actuation of the lever to effect horizontal sliding movement of the plate 9 with reference to the gage bar 2.

The lateral arms 7 of the runner 4 are also provided with openings therein to receive the reduced end portion of a clamp plate 14 which is peculiarly associated with the plate 9 in the operation of the device. The plate 14 is formed at one end with a V-shaped extension constituting a clamping arm 15 and said extension 15 is formed with a rearwardly extending stem 16 arranged through an opening in an outstanding arm 17 of the toothed plate 9. The arm 17 is disposed in rear of the clamping member 15 and a coiled spring 18, mounted on the stem 16, is interposed between the members 15 and 17 and normally tends to hold these parts separated a maximum distance as limited by a pin and slot connection between the plates 9 and 14. The pin and slot connection above referred to is provided by a screw pin 19 extending laterally from an end of the plate 9 and passing through a slot 20 in the clamping plate 14.

Mounted above the clamping member 15 carried by the plate 14 is a marking device consisting of a small chalk clamp 21 of U-form in section preferably, said clamp being arranged at the outer end of an arm 22 which is secured by a fastening 23 to the outer end of the off standing arm 17 of the toothed plate 9. A piece of chalk 24, which does the actual marking in the operation of the device, is secured in the chalk clamp 21 by means of a suitable clamp screw.

In the operation of the invention it is to be noted that the same may be readily employed for gaging the length of skirts when

the skirts are to be cut off at any desired point, a greater or less distance above the base 1. In its actual use a skirt having been draped upon the person is so arranged that its lower portion falls between the clamp member 15 and the clamp bar 3 which are normally spaced from one another. The distance at which the skirt is to be marked in order to provide the desired length therefor having been ascertained the runner 4 by operation of the handle 5 is so adjusted as to position the marking and clamping devices of the gage a proper distance from the base 1. This having been done the operating lever 11 is forced downwardly and such movement causes the plates 9 and 14 to be simultaneously moved toward the clamping bar 3. As soon as the clamp member 15 reaches the bar 3 the goods or material of the skirt is firmly clamped between the parts 3 and 15 and thereby held from displacement during the marking operation which subsequently follows. Necessarily when the member 15 is in clamping coöperation with the bar 3 the movement of the plate 14 toward said bar is prevented. The plate 9, however, under the operation of the lever 11 is caused to move a greater distance than the plate 14, such additional movement of the plate 9 being permitted by reason of the pin and slot connection 19—20. The subsequent movement of the plate 9 carries the marking device supported by said plate a sufficient distance to cause the chalk 24 to engage the material of the skirt and a chalk mark accurately gaged is thus applied to the garment. By successive operations of the device, turning the skirt preparatory thereto, an accurate gage line will be marked upon the base of the garment, and which mark will facilitate the operation of turning a hem in the garment, applying a flounce thereto, or providing a tuck at a proper distance from the ground.

It will be understood that in its operation a single operating member is employed to simultaneously actuate the clamping and marking members, as well as causing movement of the marking device subsequent to the operation of the clamp in the manner above described.

Having thus described the invention, what is claimed as new, is:

1. A skirt gage comprising gage and clamping bars, marking means carried by the gage bar and comprising a skirt clamping member and a marker movable relative thereto, and means to move the said clamping member and marker in one direction to effect initial coöperation of the clamping member and clamping bar to clamp the skirt and subsequent coöperation of the marker and clamping bar to mark the skirt.

2. A skirt gage comprising gage and clamping bars, marking means carried by

the gage bar and comprising a skirt clamping member and a marker connected for simultaneous and independent movement in one direction, means normally holding the marker more remote from the clamping member, and means for simultaneously moving the clamping member and marker toward the clamping bar, and causing independent movement of the marker in the same direction so that said members, respectively, initially clamp and subsequently mark the skirt.

3. A skirt gage comprising gage and clamping bars, marking mechanism adjustable on the gage bar and slidable toward and from the clamping bar, said marking mechanism consisting of a clamping member and a marker slidable thereon, and means for sliding the clamping member and marker simultaneously toward the clamping bar to cause the clamping member to clamp the skirt and then sliding the marker on the clamping member to mark the skirt.

4. In a skirt gage, the combination of a base, spaced clamping and gage bars supported thereby, a runner mounted for vertical movement on the gage bar, means for holding said runner adjusted, gaging mechanism supported by the runner and comprising a clamping plate slidable thereon toward and from the clamping bar, another plate slidable on the runner, a marker carried by the second plate, means for actuating said plates to force the same toward the clamping bar, and a connection between the plates whereby the clamping plate initially coöperates with the clamping bar and the marker is subsequently caused to coact with said bar.

5. In a skirt gage, the combination of clamping and gage bars, a runner vertically adjustable on the gage bar, sliding plates mounted on the runner for movement toward and from the clamping bar, one of said plates having a clamping member, a marker mounted on the other plate, a sliding connection between the plates, a lever mounted on the runner for simultaneous actuation of the plates, and a spring normally holding the plates in such positions as to cause initial coöperation of the clamping member and clamping bar and subsequent coöperation of the marker and clamping bar when the lever is actuated.

6. In a skirt gage, the combination of a base, clamping and gage bars supported thereby, a runner vertically adjustable on the gage bar and having lateral arms, plates horizontally slidable on said arms, one of the plates having a clamping member, a marker carried by the other plate, a lever having a toothed segment and pivoted to the runner, the last mentioned plate having teeth engaged by the teeth of said segment, a pin and slot connection between the two

plates, and a spring connected with the plates to normally hold the same in such positions as to first cause coöperation of the clamping member and clamping bar when
5 the lever is operated and subsequently permit movement of the toothed plate independently of the clamping member to effect the marking operation.

In testimony whereof we affix our signatures in presence of two witnesses.

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Witnesses:

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