R. N. FIRESTONE.

SKIRT MEASURER.

APPLICATION FILED FEB. 5, 1910.

1,000,792. **Patented Aug. 15, 1911.**

Fig. 1.

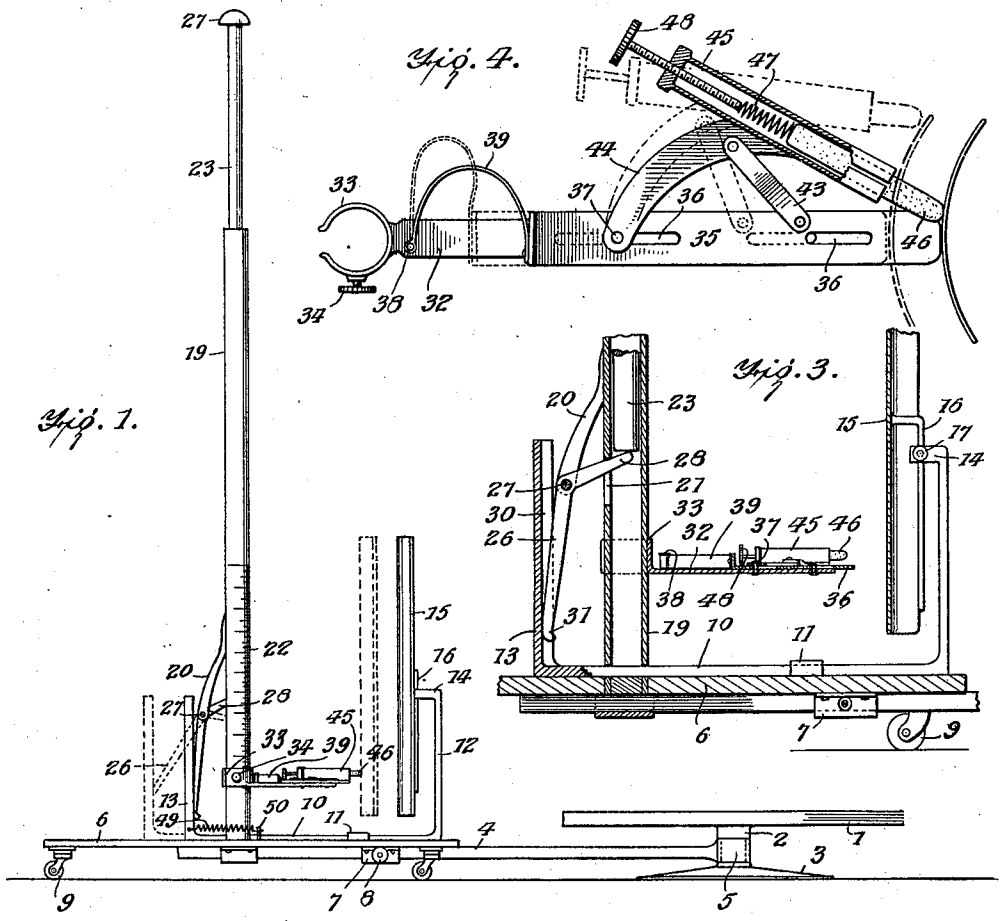


Fig. 4.

Fig. 3.

Fig. 2.

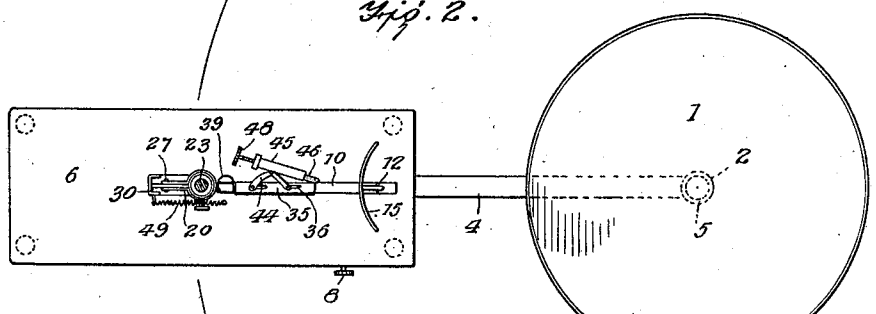
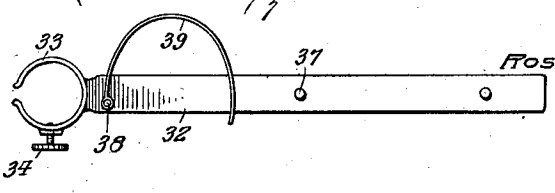


Fig. 5.



WITNESSES:

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SKIRT-MEASURER.

1,000,792. Specification of Letters Patent. **Patented Aug. 15, 1911.**

Application filed February 5, 1910. Serial No. 542,240.

To all whom it may concern:

Be it known that I, ROSE N. FIRESTONE, a citizen of the United States, and a resident of Anthony, in the county of Harper and State of Kansas, have made certain new and useful Improvements in Skirt-Measurers, of which the following is a specification.

My invention is an improvement in skirt measurers, and consists in certain novel constructions, and combinations of parts, hereinafter described and claimed.

The object of the invention is to provide a measurer and marker of the character specified, by means of which the wearer may measure and mark the desired length of her own skirt, without assistance, and without the necessity of bending over, or disarranging the hang of the garment.

Referring to the drawings forming a part hereof, Figure 1 is a side view of the improvement, Fig. 2 is a plan view, partly in section, Fig. 3 is an enlarged vertical section of a portion of the device, Fig. 4 is an enlarged transverse section of a part of Fig. 3, and Fig. 5 is a detail plan view of a portion of Fig. 4.

The embodiment of the invention shown in the drawings, consists of a circular stand or platform 1, connected by a stub shaft 2 with a base plate 3. An arm 4 is provided with a bearing 5 journaled on the stub shaft, and a platform 6 is slidably mounted on the arm by means of a sleeve 7, secured to the platform, and through which the arm is slidable.

The sleeve is provided with a set screw 8, for engaging the arm to lock the platform in adjusted position, and the platform is provided with a caster wheel 9 at each corner. A bracket 10 is slidably connected with the upper face of the platform, by means of sleeve 11 secured to the platform, and through which the bracket is slidable, and at each end the bracket is provided with a vertical arm 12 and 13.

The arm 12 is provided at its upper end with an angular portion 14, and a transversely convex plate 15 is provided on its concave face with a pin 16, which passes through an opening in the arm, and is held rigid at any desired height by a thumb screw 17.

A hollow standard 19 is secured at the center of the upper face of the slidable platform 6, having on the side opposite the arm 12 near the lower end, a nose 20, and a slot 21 is arranged in the standard below the nose. A scale 22 is arranged on the outer surface of the standard, on the opposite side from the slot, and on the side toward the stand 1.

A rod 23 provided at its upper end with a head 27, is slidable in the standard, and an elbow lever is pivoted in the slit of the nose 20 with a pin 27. One arm 28 of the elbow lever extends through the slot 21 and the lower end of the rod 23 rests on this arm inside the hollow standard 19. The other arm 26 of the lever is arranged at an angle to the arm 28, and the end thereof is engaged by the arm 13 of the bracket 10, the said arm having a vertical groove 30 on its inner face for receiving the arm. The end of the arm is bent as at 31.

A plate 32 is provided with a split collar 33 which encircles the standard, and is provided with a set screw 34 for securing it to the standard. A bar 35 provided with two alined longitudinal slots 36 is slidably mounted on the upper face of the plate 32, by means of bolts 37 passing through the slots.

A hollow cylindrical pencil or crayon holder 45 is secured to the arm 44, and a piece of marking material 46 is slidable with friction in the holder. A spring 47 presses against the inner end of the marking material, and a set screw 48 threaded through the opposite end of the holder, engages the spring and holds it against the material.

In operation, the wearer of the skirt stands on the stand 1, and with the skirt over the plate 15, that is, between the said plate and the standard. The wearer now presses down on the head 27 of the rod. The elbow lever 26—28 is rocked, and the arm 26 thereof pushing against the arm 13 of the bar 10 slides the said bar longitudinally of the platform and toward the standard. The skirt is thus brought against the marking material, and the engagement of the material with the convex face of the plate, swings the holder as indicated by dotted lines in Fig. 4, and marks a transverse mark on the skirt. On releasing head 27, spring 49 brings the skirt, which is resting on plate 15, back to first position. The wearer then revolves platform any distance desired, arranges skirt smoothly if disarranged and again presses head 27, thus making another longitudinal mark on the skirt. This proc-

ess is continued until the measuring and marking of the skirt is completed. It will be understood that the proper length the skirt should be marked is first ascertained by adjusting the plate 32 on the standard, the adjustment being indicated by the scale. The bracket 10 is returned to its original position by a spring 49, connected at one end to the arm 13, and at the other to a pin 50 on the platform 6.

It will be evident from the description, that the person trying on the skirt, may mark the entire circumference of it, without moving from the stand or requiring assistance, and without the slightest bending of the body. During the marking, the body of the wearer is upright, and the skirt stands out with the proper hang.

It will be observed that the platform 6 may revolve entirely around the stand, the caster wheels supporting it during this movement, and that the bracket 10 is always movable radial to the stub shaft. The said bar as shown in Fig. 3 is slidable through a transverse slot in the standard. When the head 27 is released, and the rod 23 moves upward to its original position, the bracket 10 is returned to its original position by the spring 49, and the pressure on the bar 35 by the plate 15 is relaxed thus permitting the bar 35 to be returned to its original position by the spring 39.

I claim—

1. In combination a base, a stub shaft on the base, a stand on the shaft, an arm having a bearing journaled on the stub shaft, a platform slidable on the end of the arm, means for securing the platform in adjusted position, a bracket slidable on the platform and movable radially of the shaft, said bracket having at each end a vertical arm, a spring normally retaining the bracket in inward position, a transversely convex plate detachably connected with the inner arm of the bracket, a hollow standard on the platform intermediate the arms of the bracket, a rod slidable in the standard, an elbow lever pivoted on the standard and having an arm engaged by the rod, the other arm engaging the outer arm of the bracket, a plate having a split sleeve adjustable on the standard, a bar adjustable on the plate toward and from the standard, and a crayon holder mounted for lateral swinging movement on the bar.

2. A device of the character specified, comprising a stand, an arm having one end pivoted to the stand, a wheeled platform adjustable on the bar toward and from the stand, a hollow standard on the platform, a rod movable in the standard, a bracket slidably mounted on the platform for radial movement toward and from the stand, a spring normally pressing the bracket toward the stand, a connection between the rod and the bracket for moving said bracket from the stand, a transversely convex plate supported in vertical position on the inner end of the bracket, and a crayon holder adjustable vertically on the standard for coöperating with the plate, said standard having a scale for indicating the position of holder with respect to the standard.

3. A device of the character specified, comprising a stand, an arm having one end pivoted to the stand, a wheeled platform adjustable on the arm toward and from the stand, a hollow standard on the platform, a rod movable in the standard, a bracket slidably mounted on the platform for radial movement toward and from the stand, a spring normally pressing the bracket toward the stand, a connection between the rod and the bracket for moving said bracket from the stand, a transversely convex plate supported in vertical position on the inner end of the bracket, and a crayon holder adjustable vertically on the standard, for cooperating with the plate.

4. A device of the character specified, comprising a stand, a platform, an arm pivoted at one end to the stand and to which the platform is slidably connected for movement toward and from the stand, a bracket slidable on the platform and movable toward and from the stand, a convex marking plate on the end of the bracket adjacent to the stand, a standard on the platform, a holder for marking material adjustable on the standard, a spring normally pressing the bracket toward the stand, a rod slidable in the standard, and a connection between the rod and the bracket for moving the plate toward the holder.

5. A device of the character specified, comprising a vertical shaft, a stand thereon, an arm journaled on the shaft, a platform adjustable longitudinally of the arm, a crayon holder supported by the platform and adjustable vertically thereon, a plate having a convex face for engaging the skirt and pressing it against the holder, a spring normally pressing the plate away from the crayon holder, and means for moving said plate toward the holder and for rotating the platform around the stand.

6. A device of the character specified, comprising a stand having a central support, a bracket movable radially of the support, means for supporting the bracket for rotating movement about the support, and for permitting it to be adjusted toward and from the support, a crayon holder supported above the bracket and vertically adjustable, a marking plate on the end of the bracket adjacent to the stand, a spring normally pressing said bracket away from the holder, and a common means for moving the plate toward the holder and rotating it around the stand.

7. In a device of the character specified, a stand for the wearer, a crayon holder, an arm rotatably connected with the stand, means for adjusting the holder on the arm vertically, means for adjusting said holder toward and from the stand, a marking plate for engaging the skirt and pressing it toward the holder, a spring normally pressing the plate away from the holder, and a common means for moving the plate toward the holder and rotating the plate and holder around the stand.

8. In a device of the character specified, a stand for the wearer, a vertically adjustable crayon holder, a rotatable connection between the stand and the said holder, a marking plate movable toward and from the holder and having a convex face for engaging the skirt, a spring normally pressing said plate from the holder, and means for rotating the holder around the stand and for moving the plate toward the holder.

9. In a device of the character specified, a stand for the wearer, a vertically adjustable crayon holder, a rotatable connection between the stand and the said holder, a marking plate movable toward and from the holder, a spring normally pressing said plate from the holder, and means for rotating the holder around the stand and for moving the plate toward the holder.

10. In a device of the character specified, a stand for the wearer, a vertically adjustable crayon holder, a rotatable connection between the holder and the stand, a marking plate movable toward and from the holder, and means for pressing said plate against the holder.

11. A device of the character specified, comprising a stand for the wearer, a crayon holder, means for supporting the same rotatable around the stand, means movable with the holder for engaging the skirt and pressing it against the holder, and a common means for operating said engaging means and rotating the holder.

12. In combination in a device of the character specified, a stand for the wearer, a standard mounted to rotate around the stand, means for permitting the standard to be adjusted toward and from the stand, a crayon holder adjustable vertically on the standard, a marking plate supported by the standard, for engaging the skirt and pressing it against the holder, and a common means for moving the plate and the standard.

13. A device of the character specified, comprising a stand for the wearer, an arm pivoted to the stand at one end, a marking plate for engaging the inner surface of the skirt supported on the arm, a crayon holder supported on the arm, and a common means for pressing the holder toward the skirt and for rotating the holder and the plate around the stand.

ROSE NORMIE FIRESTONE.

Witnesses:
E. G. HOOPES,
T. A. NOFTZGER.

Correction in Letters Patent No. 1,000,792.

It is hereby certified that in Letters Patent No. 1,000,792, granted August 15, 1911, for an improvement in "Skirt-Measurers," an error appears requiring correction as follows: In the grant and in the heading, preamble, and signature to the printed specification, the name of the patentee is erroneously written and printed "Rose Normie Firestone", whereas said name should have been written and printed *Rose Noemie Firestone;* and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 3rd day of October, A. D., 1911.

[SEAL.]

E. B. MOORE,

Commissioner of Patents.