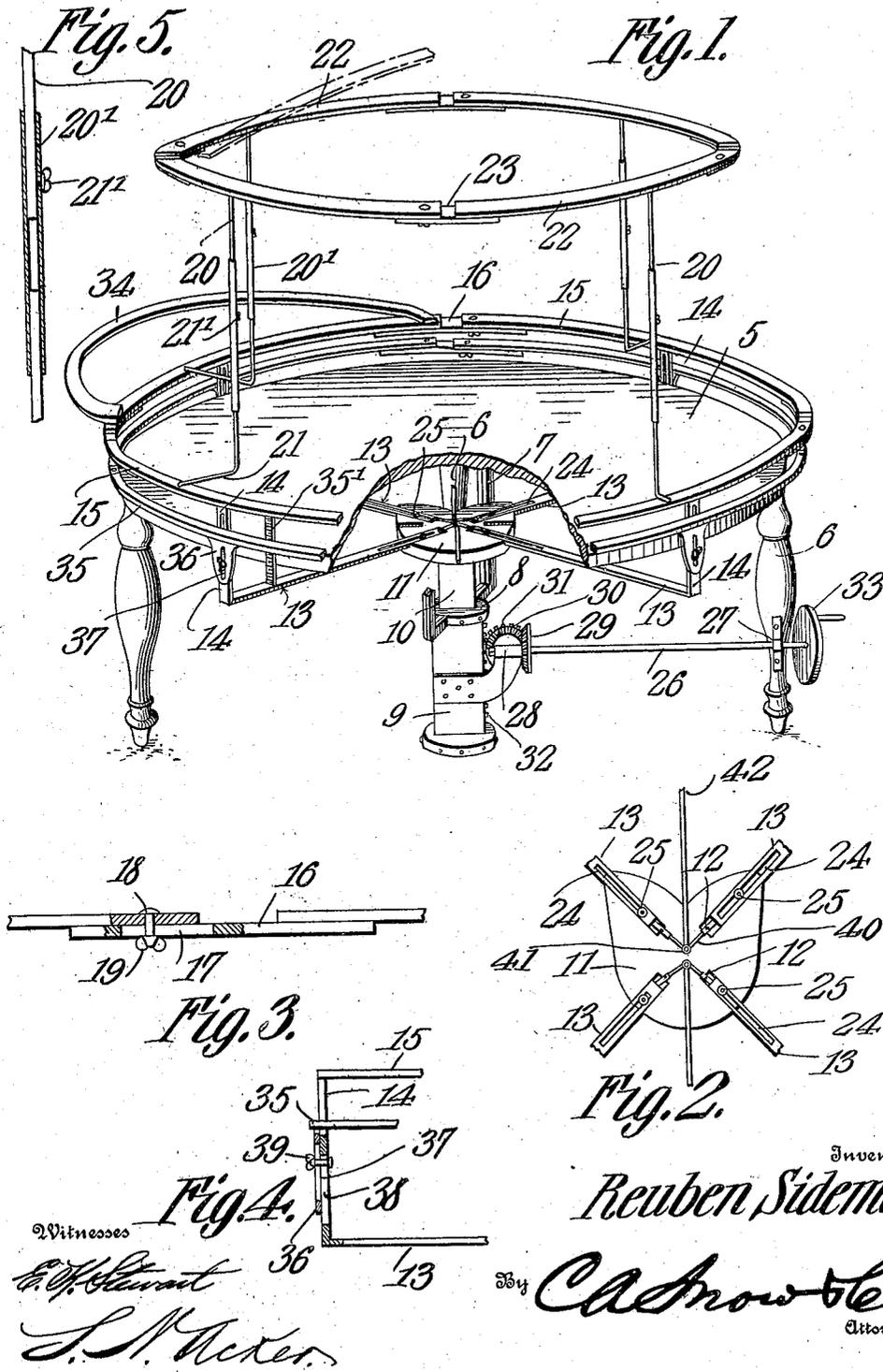


923,902.

Patented June 8, 1909.



UNITED STATES PATENT OFFICE.

REUBEN SIDEMAN, OF SAN FRANCISCO, CALIFORNIA.

SKIRT-MARKER.

No. 923,902.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed July 2, 1908. Serial No. 441,535.

To all whom it may concern:

Be it known that I, REUBEN SIDEMAN, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Skirt-Marker, of which the following is a specification.

This invention relates to skirt markers of that general class shown and described in United States Letters Patent issued to me on the 28th day of April 1908, under Serial No. 885,876.

The object of the invention is generally to improve the construction of the skirt marker and to provide means whereby the marking frames may be adjusted both vertically and laterally thereby to permit the taking of any desired hip measurement.

A further object of the invention is to provide a skirt marker having a vertically adjustable lower frame for the purpose of straightening out and gaging the depth of the hem of a skirt.

A further object of the invention is to provide the standard or pedestal of the table with a terminal head having guiding grooves formed therein for the reception of the supporting arms of the lower marking frame, said arms being provided with suitable clamping devices whereby the arms may be locked in adjusted position.

A still further object of the invention is to make the frames in sections, each section being provided with a movable portion or slide for bridging the gap between adjacent sections when the frames are adjusted laterally.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a skirt marker constructed in accordance with my invention, part of the table being broken away to show the construction of the standard and its associated parts. Fig. 2 is a top plan view of the head of the pedestal or standard showing the manner of connecting the arms therewith. Fig. 3 is a detail longitudinal sectional view showing the adjustment of the bridge pieces. Fig. 4 is a detail vertical

sectional view showing the manner of adjusting the gage frame on the lower marking frame. Fig. 5 is a detail vertical sectional view showing the manner of adjusting the upper marking frame.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved skirt marker forming the subject matter of the present invention comprises a stand or table 5, preferably ovoidal in shape and provided with depending supporting feet 6. Secured to and depending from the bottom of the stand or table 5 are hangers 7 having their inner ends connected with the upper reinforcing member 8 of a substantially rectangular casing or housing 9. Slidably mounted within the casing or housing 9 is a follower or plunger 10 having one end thereof provided with a terminal head 11, the upper flat face of which is provided with a plurality of radiating seating recesses or slots 12 for the reception of the adjacent ends of the supporting arms 13. The outer or free ends of the supporting arms 13 are provided with vertical supports or standards 14 having their upper ends connected with the lower marking frame.

The lower marking frame is preferably formed of a plurality of independent segmental sections 15, the adjacent ends of which are arranged to contact with each other when the frame is in contracted position and to separate when said frame is expanded. Secured to one end of each frame section 15 is a bridge piece or slide 16 having a slot 17 formed therein in which is seated one end of a bolt or similar fastening device 18, the opposite end of the bolt being rigidly secured to the adjacent frame section 15. The sliding sections 16 are adapted to bridge or span the gaps formed between adjacent frame sections 15 when the frame is expanded laterally to permit the taking of different hip measurements, there being suitable wing nuts 19 engaging the threaded ends of the bolts 18 for locking the bridge pieces in position between the gaps of the lower frame sections.

Disposed above and in spaced relation to the lower frame section is an upper frame section, preferably of less cross sectional diameter than the lower frame, and connected with the latter by means of vertical rods 20 each preferably formed in two sections the

lower sections of which are offset at 21 and thence extended laterally for attachment to the adjacent segmental sections 15, as shown. The adjacent sections of each rod 20 are
 5 connected by tubular members or sleeves 20', so that the upper frame may be adjusted vertically with respect to the table, said upper frame being locked in adjusted position by screws or similar fastening devices 21'.
 10 The upper marking frame 22 is similar in construction to the lower frame 15, that is to say, it is formed of a plurality of segmental sections connected by adjustable bridge
 15 pieces 23, the object of the upper frame being to permit the marking of children's dresses or skirts.

The inner ends of the arms 13 are slidably mounted in the recesses 12 and are provided with longitudinally disposed slots 24 for the
 20 reception of screws or similar fastening devices 25 whereby said arms may be locked in adjusted position on the head of the pedestal or standard 10.

As a means for adjusting the upper and
 25 lower frames vertically of the table or stand 5 there is provided an operating shaft 26, one end of which is journaled in a suitable bearing 27 on the adjacent supporting leg 6, while the opposite end thereof is journaled
 30 in a corresponding bearing 28 carried by the casing or housing 9. Keyed or otherwise rigidly secured to the operating shaft 26 is a beveled gear 29, which latter meshes with a corresponding beveled gear 30 carrying a
 35 pinion 31. The pinion 31 meshes with the teeth on a rack 32 carried by the plunger or follower 10 so that by rotating the hand wheel 33 the follower 10 may be raised or
 40 lowered thereby to effect the adjustment of both marking frames.

Detachably secured to one of the sections of the lower marking frame is a segmental plate or frame 34 especially designed for
 45 marking the trains of skirts and similar garments.

One of the sections of the upper marking frame is pivotally mounted so that the same may be swung laterally to the dotted line position shown in Fig. 1 of the drawings,
 50 thereby to permit the user to step upon the stand or table when a measurement is being taken.

Arranged beneath the lower marking frame is a gage frame 35 for the purpose of
 55 straightening out and gaging the depth of the hem of a skirt. The gage frame 35 is also preferably formed in sections each of which is provided with a depending extension or arm 36 having an elongated slot 37
 60 formed therein and adapted to register with a similar slot 38 in the adjacent arm or standard 14 thereby to permit the insertion of a bolt or similar fastening device 39. By having the gage frame slidably mounted on
 65 the arms 14 of the lower marking frame,

said gage frame may be adjusted vertically to permit the formation of a hem of any desired width or depth.

The inner ends of each pair of arms 13 are connected by universal joints to links
 70 40, Fig. 2 which latter are in turn pivotally connected at 41 to suitable operating rods 42 so that by exerting a longitudinal pull on either rod the adjacent pair of arms 13 may be adjusted to expand the lower mark-
 75 ing frame and gage frame 35.

When the device is used for marking a lady's skirt the pivoted section of the upper marking frame is swung laterally to open
 80 position so as to permit access to the stand. The removable section is then swung into the closed position and the customer required to stand at the center of the table with the lower edge of the skirt hanging
 85 over the outer peripheral edge of the lower marking frame 15 and gage frame 35. The operator then rotates the hand wheel 33 which elevates the lower marking frame the desired height, the height being determined
 90 by reference to the scale 35'. After the lower frame has been adjusted to the required height the operator marks the skirt with a piece of chalk, crayon or other material, the lower frame 15 serving as a guide
 95 during the marking operation and the frame 35 serving to gage the depth of the hem so that when the lower edge of the skirt is hemmed in the usual manner the latter will hang evenly from the hips of the wearer with said lower edge spaced a uniform distance
 100 from the floor regardless of the shape or physical imperfections of the wearer.

In order to determine the length and hang of the skirt of a woman having relatively
 105 large hips, the arms 13 are moved longitudinally within the sockets 12, by manipulating the rods 42, until the desired adjustment is effected after which the fastening devices 25 are operated to lock the arms in adjusted position. When the arms 13 are
 110 adjusted the sections comprising the upper and lower marking frames are expanded or separated so as to enlarge said frames, the gap between adjacent frame sections being bridged by manipulating the slides or bridge
 115 pieces 16, in the manner before stated.

From the foregoing description, it is thought that the construction and operation of the device will be readily understood by those skilled in the art and further description thereof is deemed unnecessary.

Having thus described the invention what is claimed is:

1. A skirt marker including a stand, an expansible marking frame carried by and
 125 adjustable vertically of the stand, and an expansible gage frame carried by and movable vertically and laterally with the marking frame.

2. A skirt marker including a stand, an 130

- expansible marking frame carried by and adjustable vertically of the stand, means for effecting the vertical adjustment of said marking frame, means for locking the frame in expanded position, and an expansible gage frame carried by and movable vertically with the marking frame, said gage being also adjustable vertically independently of the marking frame.
3. A skirt marker including a stand, a sectional marking frame mounted for vertical movement on the stand, bridge pieces secured to each section of the frame and overlapping an adjacent section, means for expanding the marking frame, and means for effecting the vertical adjustment of said frame.
4. A skirt marker including a stand, a marking frame adjustable vertically of the stand and formed of a plurality of laterally adjustable sections, a bridge piece slidably mounted on each frame section for bridging the gaps between adjacent sections when the latter are adjusted, means for expanding the marking frame, and means for effecting the vertical adjustment of said frame.
5. A skirt marker including a stand, a plurality of expansible marking frames of different cross sectional diameters adjustable vertically of the frame, means for expanding the marking frames and means for raising and lowering said frames.
6. A skirt marker including a stand, a plurality of sectional marking frames of different sizes mounted on the frame, rods connecting said frames and having their lower ends off set, bridge pieces spanning the sections of each marking frame, means for simultaneously adjusting the frames vertically of the stand, and a gage frame carried by and adjustable vertically with one of the marking frames.
7. A skirt marker including a stand, hangers secured to the bottom of the stand, a casing secured to the hangers, a plunger operating within the casing and provided with a terminal head having guiding recesses formed therein, arms slidably mounted in said recesses, a lower marking frame including a plurality of sections each of which is secured to the adjacent adjustable arm, an upper marking frame connected with the lower marking frame, and means operatively connected with the plunger for effecting the vertical adjustment of both frames.
8. A skirt marker including a stand, a casing disposed beneath the stand, a plunger operating within the casing and provided with a rack, a gear wheel engaging the rack, a head carried by and secured to the upper end of the plunger and having a plurality of radiating recesses formed therein, slotted arms slidably mounted in said recesses and provided with terminal uprights, a lower expansible marking frame secured to the uprights of the arms and comprising a plurality of sections, an upper expansible marking frame operatively connected with the lower marking frame and also formed of a plurality of sections, bridge pieces secured to the sections of both marking frames and adapted to bridge the gap between adjacent sections when the frames are expanded, an operating shaft, and a gear wheel carried by the shaft and engaging the rack-engaging gear for adjusting both frames vertically of the stand.
9. A skirt marker including a stand, an expansible and vertically adjustable marking frame carried by the stand, and an expansible gage frame arranged beneath the marking frame and adjustable vertically with the latter, said gage frame being also adjustable vertically independently of the marking frame.
10. A skirt marker including a stand, an expansible marking frame carried by and adjustable vertically of the stand, an expansible gage frame disposed beneath and carried by the marking frame, and means for effecting simultaneously the expansion of both frames.
11. A skirt marker including a stand, an expansible marking frame carried by and adjustable vertically of the stand, an expansible gage frame disposed beneath the marking frame, means for effecting simultaneously the expansion of both frames, and separate means for effecting simultaneously the vertical adjustment of both frames.
12. A skirt marker including a stand, an expansible marking frame carried by and adjustable vertically of the stand, an expansible gage frame carried by the marking frame, and means for simultaneously expanding said frames.
13. A skirt marker including a stand, a sectional marking frame mounted for vertical movement on the stand, a sectional gage frame carried by the marking frame, bridge pieces secured to the sections of each frame and overlapping adjacent sections, and means for simultaneously expanding both frames.
14. A skirt marker including a stand, a lower expansible marking frame mounted on the stand, an upper marking frame carried by the lower frame and adjustable vertically with respect to the latter, an expansible gage frame disposed beneath the lower marking frame, and means for simultaneously expanding the marking frames and said gage frame.
15. A skirt marker including a stand, a casing disposed beneath the stand, a plunger operating within the casing and provided with a head having radiating slots formed therein, arms slidably mounted in said slots and provided with terminal standards, a marking frame secured to the standards, a

gage frame disposed beneath the marking frame and slidably mounted on said standards, means for adjusting the arms longitudinally, and means for raising and lowering the plunger.

5 16. A skirt marker including a stand, a casing disposed beneath the stand, a plunger operating within the casing and provided with a terminal head having radiating slots
10 formed therein, arms slidably mounted in the slots and provided with terminal slotted standards, sectional marking frames secured to the standards, a sectional gage disposed beneath the marking frame, each section of the gage frame being provided with
15 a depending extension having a slot formed therein and adapted to register with the slot of the adjacent standard, fastening devices extending through the slots of the extensions and standards, respectively, for clamping
20 the gage frame in adjusted position, and means for raising and lowering the plunger.

17. A skirt marker including a stand, a casing disposed beneath the stand, a plunger operating within the casing and provided
25 with a terminal head having radiating slots formed therein, arms mounted for longitudinal movement in said slots and provided with terminal uprights, a marking frame secured to the uprights, a gage frame disposed
30 beneath the marking frame and adjustable vertically of the uprights, links connecting the inner ends of the adjacent arms, operating rods pivotally connected with the links for effecting the adjustment of said arms,
35 and means for clamping the arms in adjusted position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

REUBEN SIDEMAN.

Witnesses:

ABRAM MACKOWITZ,
M. K. MORRIS.