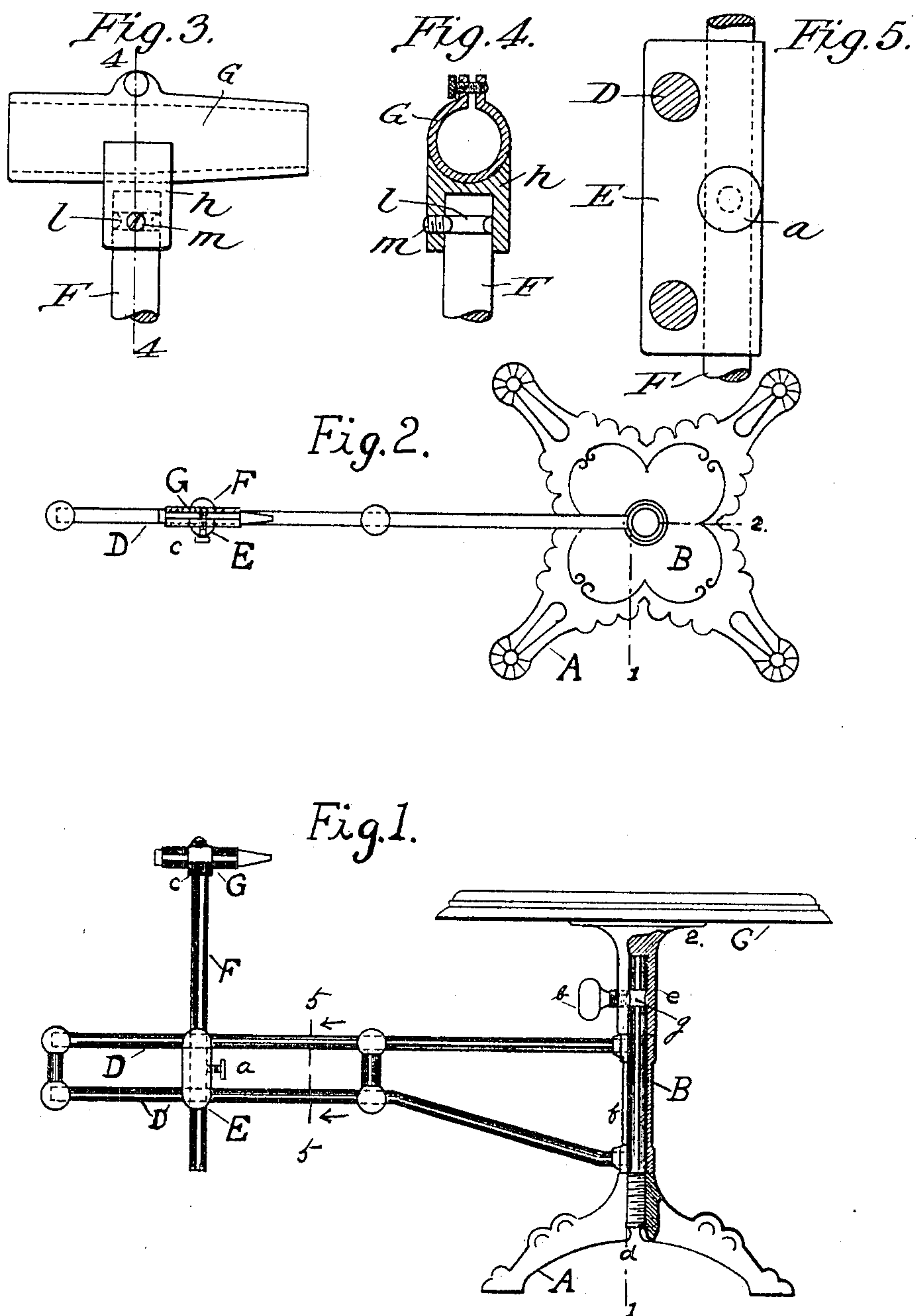


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PATENTED APR. 24, 1906.

W. H. PORTER.
SKIRT SCRIBING PLATFORM.
APPLICATION FILED SEPT. 27, 1905.



Witnesses.
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SKIRT-SCRIBING PLATFORM.

No. 818,557.

Specification of Letters Patent.

Patented April 24, 1906.

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To all whom it may concern:

Be it known that I, WALTER HEMAN PORTER, a citizen of the United States, residing at Mansfield, in the county of Bristol and Commonwealth of Massachusetts, have invented a certain new and useful Improvement in Skirt-Scribing Devices, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to a new and useful device by which in the fitting of a lady's skirt to the wearer the fitter may accurately mark upon the skirt while it is upon the wearer the line entirely around the skirt where it should be cut or turned up, so that the skirt shall hang the right distance from the floor or ground and give the exact length for turning and hemming the garment.

The object of this invention is to provide a rotatable platform on which the wearer will stand while the marking is being done, and a scribing device which can be rotated around the platform independently of the rotation of the platform, and also to make the scribing device slidable radially to its circular path of rotation around the platform and rotatable or oscillating in a horizontal plane with relation to its support to accommodate the folds of the dress and always remain at right angles to the surface of the garment.

The invention will now be fully described with reference to the accompanying drawings, and the novel features will be particularly pointed out in the claims at the close of the specification.

In the drawings, Figure 1 is a side elevation, partly in section, of a device embodying my invention. Fig. 2 is a plan of the device with the platform removed. Fig. 3 is an enlarged side elevation of the crayon-holder and a portion of its supporting-rod to show how the crayon-holder is mounted. Fig. 4 is a vertical section through the crayon-holder on line 4 4 of Fig. 3, showing the vertical supporting-rod in full lines. Fig. 5 is an enlarged sectional view on line 5 5 of Fig. 1.

A vertical rod B for supporting the platform is screwed or otherwise secured to a base A. The table or platform C has secured on its under side a downwardly-extending sleeve-bearing *e*, by which the platform is revolubly connected with the vertical rod B. The rod B is provided with an annular groove *g*, with which a thumb-screw *b*, which passes through the side of the sleeve *e*, engages. By

setting the screw *b* up tight the platform may be held against rotation on the rod, or by slightly loosening the thumb-screw *b* it will still be entered in the groove *g* sufficiently to prevent the platform from accidentally being pulled off of the rod, at the same time permitting the platform to be revolved, and by entirely withdrawing the screw *b* from the groove the platform may be lifted off of the rod.

Mounted on the rod B below the sleeve-bearing *e* is a sleeve *f*, which revolves on said rod. Secured to the sleeve *f* is a horizontal arm D, which extends radially outward beneath the platform C and which by means of the sleeve *f* may be revolved on the rod B as an axis. Preferably this horizontal arm consists of two rods D D' tied together. On this horizontal arm is a shoe E, which is slidable horizontally on said arm. The preferred form of connection is to have the rod D pass through a hole in the shoe, and one advantage of having the arm formed in two branches D and D', both rods passing through the slide, is to hold the shoe firmly against turning on the arm. Passing vertically through a hole in the shoe E is a vertical rod F, which may be adjusted up or down and which is clamped in its adjusted position by a thumb-screw *a*.

Mounted on the upper end of the vertical rod F is a chalk-holder G, which is so mounted as to be rotatable in a horizontal plane. The means shown by which the chalk-holder is rotatably connected with the vertical rod F is to provide the chalk-holder with a boss *h*, which is formed with an annular socket in the under side to receive the upper end of the rod F. The rod F is formed with an annular groove *l* in its periphery, into which enters a pin *m*, which passes through the side of the boss *h* and engages with the annular groove *l* to prevent displacement of the chalk-holder, yet permitting its rotation on the rod F in a similar manner to that in which the platform C is made rotatable on the supporting-rod B. It is intended that the pin *m* shall not be set up sufficiently to clamp the chalk-holder to the rod F, but to leave it free to rotate.

When the device is to be used, the person to whom the skirt is to be fitted may stand upon the platform C. The rod F may then be adjusted to the proper position to bring the chalk-holder to the right elevation. The shoe E may be moved horizontally in or out

on the arm D to bring the chalk into contact with the skirt. Then the operator by taking hold of the chalk-holder can swing the arm D, carrying the vertical rod F and chalk-holder, entirely around the platform and individual standing on it, so as to circumscribe the entire skirt, and at the same time on account of the shoe E being slidable on the horizontal arm D he may move the rod F and chalk-holder in and out, as desired, to accommodate the folds of the dress and also may turn the chalk-holder on its vertical axis to always keep the point of the chalk at right angles, or practically at right angles, with the garment.

It sometimes is the case that after the chalk-line has been made entirely around the skirt by moving the chalk-holder it is desirable to rotate the platform on which the individual stands without moving the chalk-holder, so that the fitter can see the effect or for other purpose, and for that reason the platform is also made rotatable; but if it is desired to have the platform held against rotation while the marking is being done it can easily be accomplished by setting up thumb-screw b.

What I claim is—

1. A skirt-scribing device having a platform rotatably mounted on a standard, a horizontal arm pivotally connected with said standard so as to rotate in a horizontal plane around the axis of said standard independently of the rotation of the platform and a marking device carried by said horizontal arm.

2. A skirt-scribing device having a rotatable platform, a horizontal arm radial to said platform and rotatable on an axis in alignment with the axis of rotation of the platform independently of the rotation of the platform, and a scribing device carried by said horizontal arm, said scribing device being rotatable in a horizontal plane independently of the rotation of either said platform or horizontal arm.

3. A skirt-scribing device having a platform rotatably mounted on a standard, a horizontal arm pivotally connected with said standard so as to rotate in a horizontal plane around the axis of said standard as a center independently of the rotation of the platform, and a marking device carried by said horizontal arm, said marking device being rotatable in a horizontal plane independently of the rotation of either said platform or horizontal arm.

4. A skirt-scribing device having a rotatable platform, a horizontal arm radial to said platform and rotatable on an axis in alignment with the axis of rotation of the platform independently of the rotation of the platform, a slide mounted on said horizontal arm and freely movable thereon radially toward and from the platform, a vertical rod carried by said slide and vertically adjustable, means

for holding said rod in its adjusted position and a marker carried by said vertically-adjustable rod.

5. A skirt-scribing device having a rotatable platform, a horizontal arm radial to said platform and rotatable on an axis in alignment with the axis of rotation of the platform independently of the rotation of the platform, a slide mounted on said horizontal arm and freely movable thereon radially toward and from the platform, a vertical rod carried by said slide, and vertically adjustable, means for holding said rod in its adjusted position, and a marker carried by said vertically-adjustable rod, said marker being rotatable in a horizontal plane independently of the rotation of said horizontal arm and platform.

6. A skirt-scribing device having a horizontal arm rotatable in a horizontal plane on a vertical axis, a platform located within a circle whose center is in alignment with the axis of rotation of said arm, the outer end of said arm projecting beyond the outer edge of the platform, and a scribing device carried by said horizontal arm, said scribing device being rotatable in a horizontal plane independently of the rotation of the horizontal arm.

7. A skirt-scribing device having a horizontal arm rotatable in a horizontal plane on a vertical axis, a platform located within a circle whose center is in alignment with the axis of rotation of said arm, the outer end of said arm projecting beyond the edge of the platform, a slide mounted on said horizontal arm and freely movable thereon radially toward and from the platform, a vertical rod carried by said slide and vertically adjustable, means for holding said rod in its adjusted position, and a marker carried by said vertically-adjustable rod, said marker being rotatable in a horizontal plane independently of the rotation of said horizontal arm.

8. A skirt-scribing device having a rotatable platform, means for clamping at will said platform against rotation, a horizontal arm radial to said platform and rotatable on an axis in alignment with the axis of rotation of the platform independently of the rotation of the platform, and a scribing device carried by said horizontal arm, said scribing device being rotatable in a horizontal plane independently of the rotation of either said platform or horizontal arm.

9. A skirt-scribing device having a platform rotatably mounted on a standard, a horizontal arm carried by a sleeve rotatably journaled on said standard below the platform, a horizontal arm pivotally connected with said standard so as to rotate in a horizontal plane around the axis of said standard independently of the rotation of the platform and a marking device carried by said horizontal arm.

10. A skirt-scribing device having a plat-

form mounted on a standard, a plurality of arms carried by a sleeve rotatably journaled on said standard below the platform and projecting radially to the axis of rotation in the same vertical plane with each other, a slide supported jointly by both of said radial arms and freely movable thereon, a vertical rod carried by said slide and vertically adjustable to different elevations, means for clamping said vertical rod in its adjusted position and a chalk-holder carried by said vertical rod.

11. A skirt-scribing device having a platform mounted on a standard, a plurality of arms carried by a sleeve rotatably journaled on said standard below the platform and projecting radially to the axis of rotation in the same vertical plane with each other, a slide supported jointly by both of said radial arms and freely movable thereon, a vertical rod carried by said slide and vertically adjustable to different elevations, means for clamping said vertical rod in its adjusted position and a chalk-holder carried by said vertical rod, said chalk-holder being rotatable in a horizontal plane independently of the rotation of said radial arms.

12. A skirt-scribing device having a rota-

table platform, a horizontal arm radial to said platform and rotatable on an axis in alignment with the axis of rotation of the platform independently of the rotation of the platform, and a scribing device carried by said horizontal arm, said scribing device being rotatable in a horizontal plane independently of the rotation of either said platform or horizontal arm, the platform being mounted upon said standard by means of a tubular bearing secured to the said platform and extending downwardly therefrom to receive the upper end of the standard, an annular groove in said standard and a thumb-screw which passes through the side of said bearing and is adapted to engage with said groove whereby the platform may be either clamped fast to the standard or the screw may be adjusted to enter the groove in such manner as to permit rotation of the platform but prevent it from being lifted from the standard or it may be set back far enough to permit removal of the platform at will.

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