





# UNITED STATES PATENT OFFICE.

SAMUEL S. SENCENBAUGH, OF AURORA, ILLINOIS.

DRAPING-MACHINE.

959,809.

Specification of Letters Patent.

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*To all whom it may concern:*

Be it known that I, SAMUEL S. SENCENBAUGH, a citizen of the United States, residing at Aurora, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Draping-Machines, of which the following, taken in connection with the drawings, is a description.

The primary object of my invention is to provide a machine designed to be used by tailors, dress makers and others who have occasion to drape dresses and other garments, and is so arranged that the dress or skirt may be draped the desired length in front, a little longer at the sides and still longer in the back, and the skirt will present a uniform appearance around the bottom.

A further object of my invention is to produce a device of this kind, having a revoluble table or platform upon which the person or form on which the garment is draped stands, and after once being arranged in the proper position, is not required to move while the garment is being draped.

A further object of my invention is to provide such a revoluble table which may be easily and quickly moved in either direction as desired, but which is automatically locked against movement in either direction as soon as the crank is dropped to normal position.

Another object of my invention is to provide a centering device which is stationarily secured to the top of the platform, and which has a cross arm adapted by loosening a thumb screw to be adjusted nearer to or farther from the center of the platform as desired, to give the proper length to the skirt in front and back.

Various modifications in detail and touching the construction and arrangement of the different parts of the machine will suggest themselves to persons skilled in the construction and use of this class of machinery, but my invention is not limited in these regards, and the form illustrated is but an embodiment of my invention.

In the drawings Figure 1 is a side elevation of my invention; Fig. 2 is a vertical sectional view taken on line 2—2 of Fig. 1; Fig. 3 is a view of the centering device taken on line 3—3 of Fig. 2.

In carrying out my invention I provide a base A rising from the floor, and braced by the spider  $a$ . Supported upon this base A is

a flat top  $A'$ , preferably circular, and having a groove near the outer edge thereof in which are disposed the balls  $a^2$ . Projecting outwardly from this top  $a'$  and rigidly secured thereto, is the arm  $b$  to which is secured a clamp having an upper and a lower jaw,  $b'$ ,  $b^2$ , respectively. An elongated slot is provided in each of these jaws  $b'$ ,  $b^2$ , through which is extended the upright B having extending at right angles therefrom the bar  $b^3$  over which the garment is draped, and the bar  $b^4$  which extends at right angles from the top of the upright which is bent inwardly above the arm  $b^3$  to hold the underskirt out of the way of the garment being draped, or this upper bar may be used to drape short skirts for children. The upright B is marked with a scale of inches to determine the proper length for the garment being draped.

C is a revoluble platform which is provided with a pivot  $c$  projecting from the center of the platform and having its bearing in a bore through the top  $a'$ . This platform C bears upon the balls  $a^2$  in a circle intermediate the center and circumference thereof. Mounted upon the pivot  $c$  beneath the base A is a gear  $c'$  which meshes with a worm  $c^2$  which is carried upon a shaft  $c^3$  which is mounted in bearings extending from the top  $a'$ . A crank  $C'$  is secured to the end of the shaft  $c^3$ , by means of which mechanism the platform C is revolved, and locked against revolution. The movement of the platform C in either direction is controlled by the crank  $C'$ , and when said crank drops to normal position as shown in Fig. 1, the platform is automatically locked against any movement.

Attached to the platform at a point between the center and circumference is a device for positioning the person upon whom a skirt is to be draped. Rising from said platform  $c$  is a bracket D through the top of which extends a thumb screw  $d$ , which engages a plate  $d'$ , having a groove upon the inside thereof in which are the balls  $d^2$ . Supported upon said screw  $d$  between the top of the bracket and the plate  $d'$  is an upwardly extending arm  $D'$  from which project two diverging arms  $d^3$ ,  $d^4$ . By loosening the screw  $d$  the arm  $D'$  may be moved upon the arc of a circle, toward or away from the center of the platform C. This arm  $D'$  is held in fixed position by being clamped between the bracket D and plate  $d'$ .



In operation, the person upon whom the skirt or dress is to be draped stands upon the platform C with the front of the ankles against the diverging arms  $d^3$ ,  $d^4$ , in such position that the center of the skirt will be eccentric to the platform C. The skirt to be draped falls outside of the upright B said upright having first been adjusted by compressing the jaws  $b'$ ,  $b^2$  together, and raising or lowering the upright until the draping bar  $b^3$  extends above the platform C the distance it is desired to have the bottom of the skirt above the floor. The operator then turns the bottom of the skirt under the bar  $b^3$  pinning the cloth into place, or marking with chalk if preferred, and as the cloth is pinned in place it is slid off the bar, and the operator revolves the platform by turning the crank C', to bring a new section of the skirt into position for draping, said platform being locked against movement in either direction when the crank drops to normal position. This operation is continued until one complete revolution of the platform is made when the skirt will be evenly draped around the bottom, and is ready to be removed from the wearer or model and finished.

I claim:—

1. A draping machine, comprising a base, a revoluble platform mounted thereon, a stationary upright supported in proximity to the edge of said platform, said upright having an arm extending approximately at right angles thereto, an adjustable draping bar secured to said upright, and mechanism for revolving the platform and automatically locking it against revolution.

2. In a draping machine, the combination of the base, a flat top mounted thereon, provided with a bore therein a revoluble platform pivotally mounted in the bore through said top, a stationary upright supporting an adjustable draping bar in proximity to the edge of the revoluble platform, and mechanism for revolving said platform and automatically locking it against revolution, substantially as described.

3. In a draping machine, the combination of the base, a flat top thereon, provided with a bore therein a revoluble platform pivotally mounted through the bore in said top, ball bearings between said top and the revoluble platform mediate the center and circumfer-

ence thereof, a vertically adjustable measuring bar supported upon a stationary upright in proximity to the edge of said platform, means on said bar for holding the clothing away from the garment being draped, and means for revolving said platform and automatically locking it against revolution, substantially as described.

4. In a draping machine, the combination of a base, a flat top mounted thereon, a revoluble platform, ball bearings between said top and the platform mediate of the center and circumference thereof, an adjustable centering device, an adjustable draping bar supported upon a stationary upright in proximity to said platform, mechanism for revolving said platform and automatically locking it against revolution, substantially as described.

5. In a draping machine, the combination of a base, a flat top supported thereon, provided with a bore therein, a revoluble platform having a central pivot extending through the bore in said flat top, a gear mounted on said pivot, a worm meshing with said gear, means for transmitting motion to said worm and gear to revolve the platform, an adjustable draping bar supported upon a stationary upright in proximity to the revoluble platform, and means on said bar for holding the clothing away from the garment being draped, substantially as described.

6. In a draping machine, the combination of a revoluble platform, an adjustable draping bar supported upon a stationary upright in proximity to the edge of said platform, a bracket secured to said platform having an upright bar provided with diverging arms, said bar being adjustably secured to the bracket, and adapted to be moved upon the arc of a circle toward or from the center of the platform, means for revolving the aforesaid platform and automatically locking it against revolution, substantially as described.

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

SAMUEL S. SENCENBAUGH.

Witnesses:

J. J. LUCK,  
ROSE LUCK.