

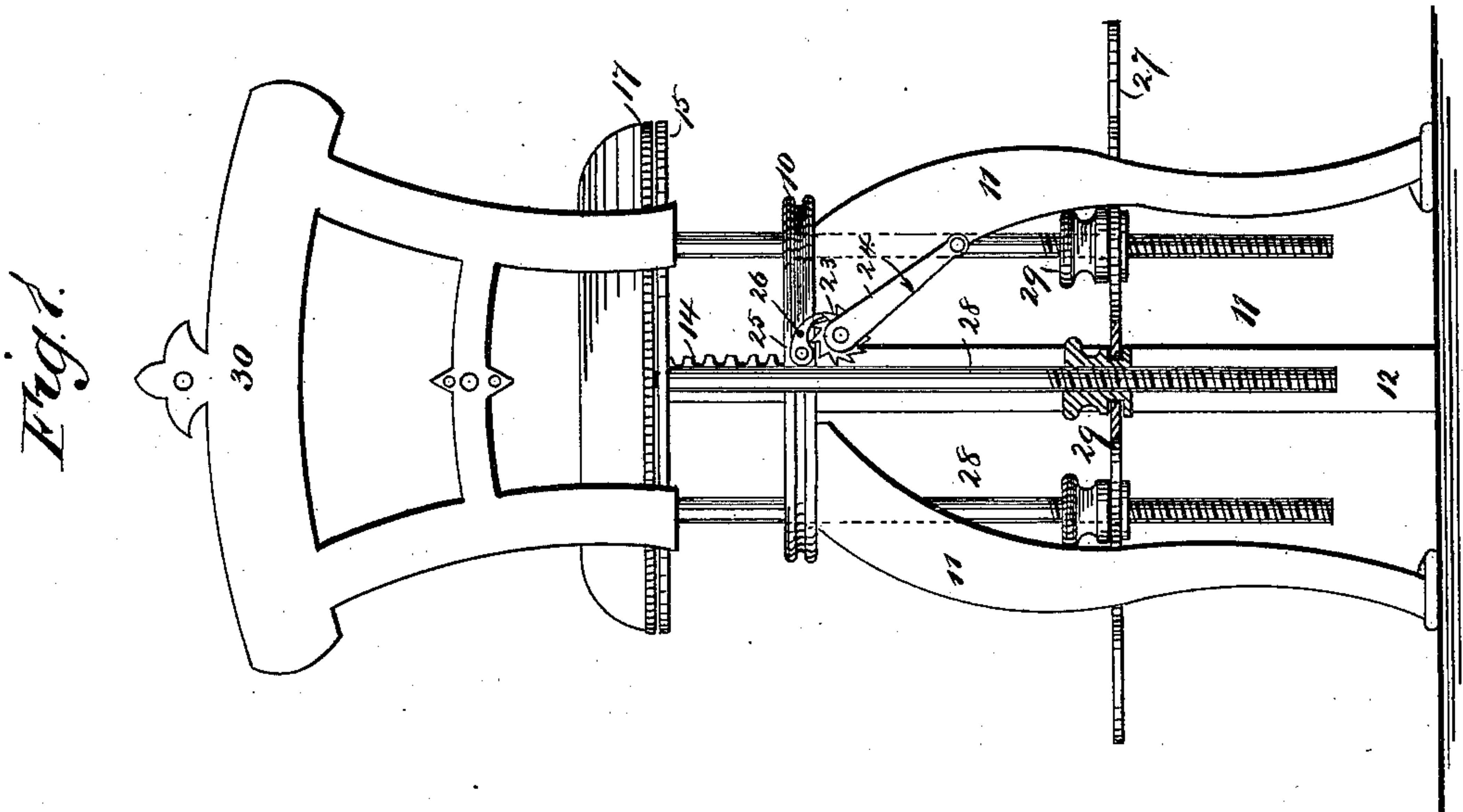
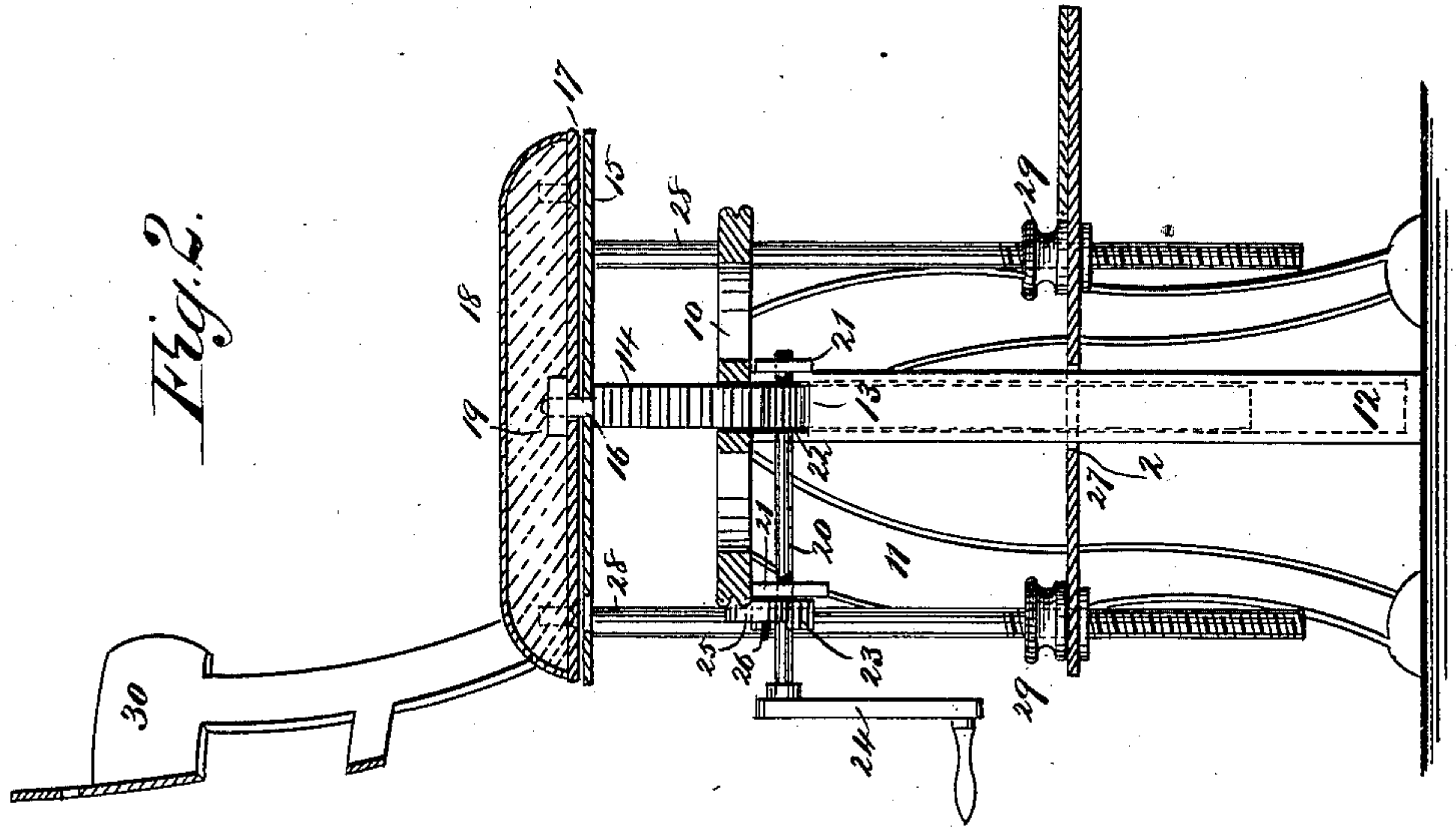
(No Model.)

E. GUION.

DRESS MAKER'S FITTING CHAIR.

No. 358,198.

Patented Feb. 22, 1887.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ELISABETH GUION, OF NEW YORK, N. Y.

DRESS-MAKER'S FITTING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 358,193, dated February 22, 1887.

Application filed July 23, 1886. Serial No. 209,335. (No model.)

To all whom it may concern:

Be it known that I, ELISABETH GUION, of the city, county, and State of New York, have invented a new and Improved Dress-Maker's Fitting-Chair, of which the following is a full, clear, and exact description.

The object of my invention is to provide an adjustable chair embodying certain novel features of construction which especially adapt it to the use of dress-makers as a fitting-chair, the object of the invention being to render the chair adjustable as to height, to provide for the turning of the seat, and to arrange for a proper adjustment of the foot-rest.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a view of the back of the chair, a portion of the foot-rest and one of the adjusting-nuts employed in connection therewith being shown in section, and Fig. 2 is a vertical sectional view of the chair.

The stool or supporting-frame of my improved form of chair consists of an upper plate or frame, 10, that is mounted upon legs 11. The frame or plate 10 is provided with a hollow tube, 12, that extends downward from the center of the plate, a slot, 13, being formed at the upper end of one side of the tube, while a central opening registering with the bore of the tube is formed in the plate. Within the tube 12 there is arranged a rack, 14, to the upper end of which there is rigidly secured a plate or frame, 15, the rack, however, being provided with an upwardly-extending central projection, 16, which passes through a central aperture formed in the plate 15, and through a second plate or frame, 17, which acts as the base or support for the upholstered seat 18, the plate 17 being held against displacement by a nut, 19, which is threaded to engage with a thread formed on the extension 16; or, if desired, the parts can be held together by riveting.

A horizontal shaft, 20, is mounted in proper bearings, 21, that are secured to the plate or frame 10, and this shaft 20 carries a pinion, 22, a ratchet-wheel, 23, and a crank-arm, 24, the pinion being arranged to engage with the rack 14, while the ratchet is arranged to be en-

gaged by a pawl, 25, that is provided with a handle, 26, and pivotally connected to the frame or plate 10, the arrangement being such that by turning the crank-arm 24 in the direction of the arrow shown in connection therewith in Fig. 1 the seat of the chair may be raised to a proper height, there to be held by the pawl 25, the lowering of the seat being brought about by raising the pawl from engagement with the ratchet, and allowing the seat to fall to the desired elevation, it being, of course, understood that the crank-arm 24 is at this time held so as to prevent too rapid a movement of the seat.

A foot-rest, 27, is supported by downwardly-extending rods 28, that are rigidly secured to the plate 15, connection between the foot-rest and the rods being established through the medium of adjusting-nuts 29, said nuts being inserted through apertures formed in the foot-rest and then riveted to place, from which arrangement it will be seen that the foot-rest may be adjusted so as to properly support the feet of individuals of different heights. Any proper form of back, as 30, may be secured to the plate or frame 15.

It will be noticed that the plate from which the foot-rest is formed is centrally apertured to allow for the passage of the tube 12, and in practice I prefer that this central aperture, which is shown at 2 in Fig. 2, should be so proportioned that the tube 12 will closely fit therein, in order that the foot-rest may form a guide and support for the seat, thus relieving the rack 14 from any undue strain.

The chair described will be found to be exceedingly convenient for the use for which it is intended, it being well understood that the fitting of a lady's dress is at best a tiresome operation; but with my improved chair a lady may sit during the operation of the fitting of the waist, and the operator may adjust the chair to any required height, as may be most convenient for herself and the occupant; and not only may the chair be adjusted as to height, but the seat proper may be turned upon its central connection with the plate 15.

Although I have described my improved form of chair as a dress-maker's fitting-chair, it will, of course, be understood that the chair could be used as a music stool or chair, or that

it could be used as an office-chair, and, in fact, the chair could be used as might be deemed to be advisable for business or domestic purposes.

I am aware that chair-seats have been pivoted to the upper ends of racks sliding in supports and engaged by pinions on crank-shafts, and I am also aware that the seat has been pivoted to a rack by a ball-and-socket joint, and I am further aware that bars adjustably secured in keepers on the under side of the seat have been provided with adjustable foot-rests, and I therefore do not claim such inventions.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A dress-maker's chair consisting of a supporting-frame provided with a downwardly-projecting and slotted tube, a rack in the said tube and carrying a plate at its upper end, a seat pivoted to the upper end of the rack to

swing in a horizontal plane, a crank-shaft provided with a pinion projecting through the slot of the tube and engaging the rack-rods projecting downward from the plate carried by the rack, and a foot-rest adjustably secured on said rods, substantially as herein shown and described.

2. In a dress-maker's chair, the combination, with the supporting-frame provided with the slotted tube 12 13, of the rack 14, provided with the projection 16, the plate 15 on the said projection, the seat 18, pivoted on the projection to swing in a horizontal plane, the shaft 20, provided with the pinion 22, ratchet-wheel 23, and crank-arm 24, and the pawl 25, provided with the handle 26, substantially as herein shown and described.

ELISABETH GUION.

Witnesses:

E. G. BURT,

E. LITTLE.