

(No Model.)

G. C. H. KALTWASSER.
ROCKING CHAIR.

No. 529,273.

Patented Nov. 13, 1894.

Fig.1.

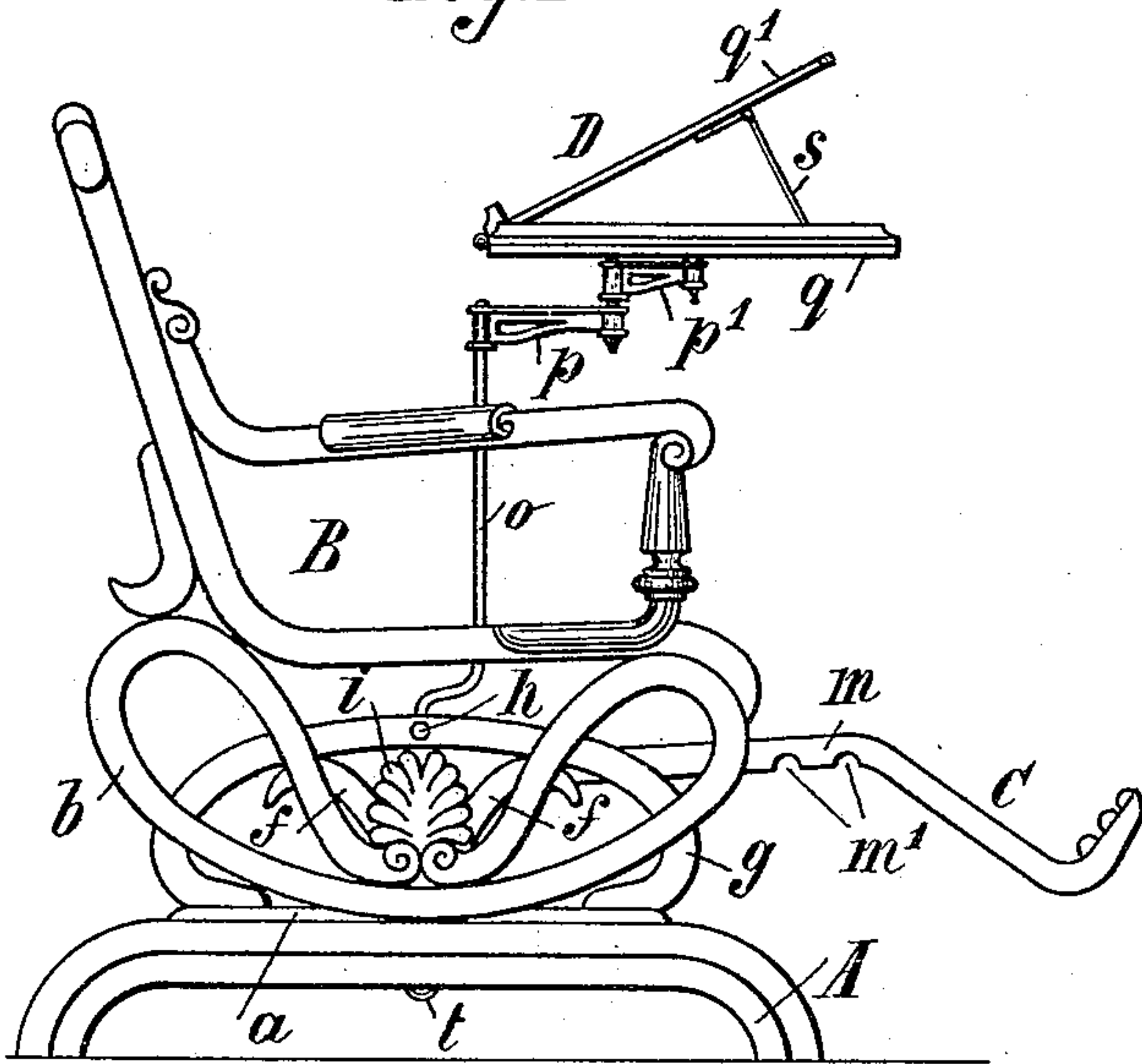


Fig.2.

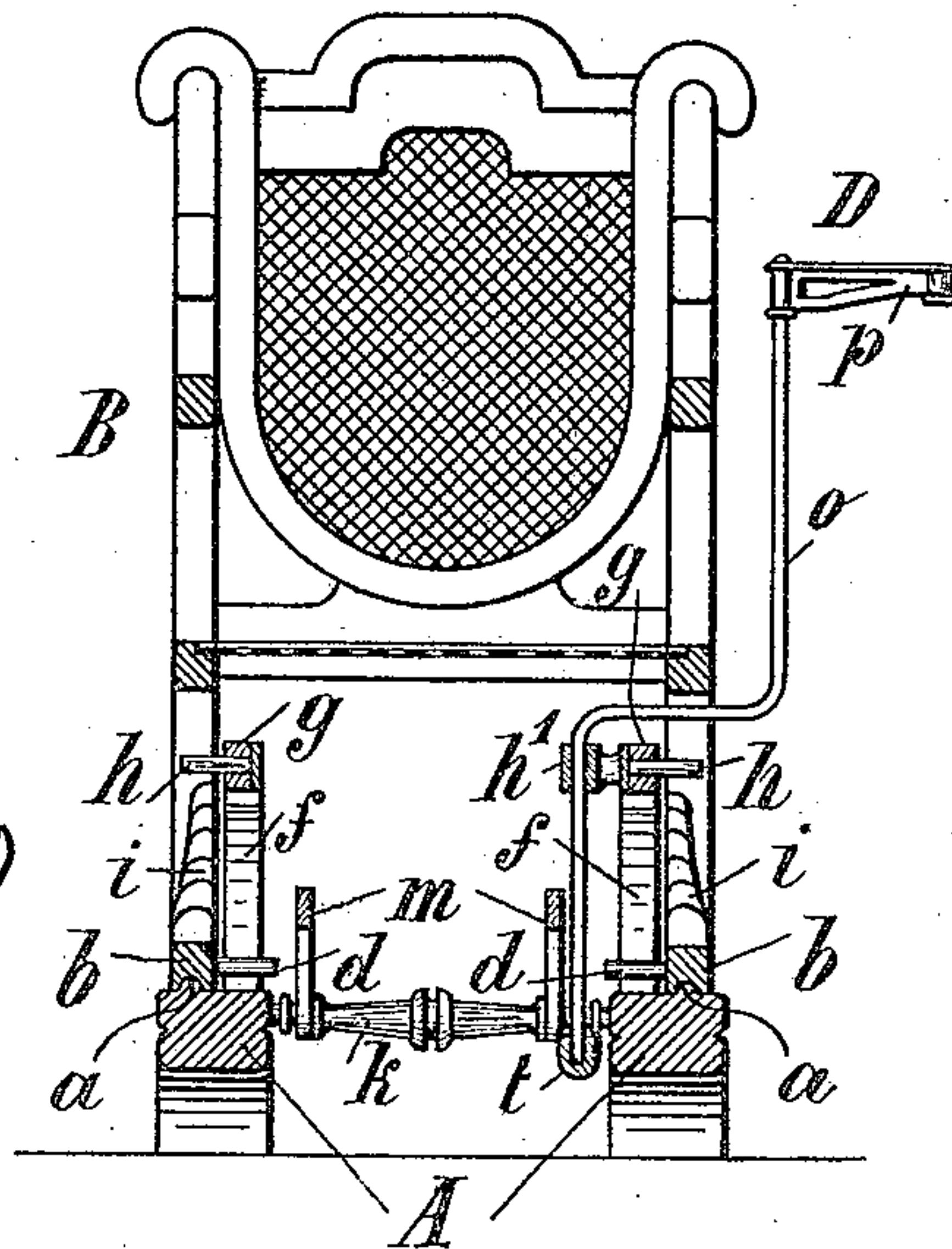


Fig.3.

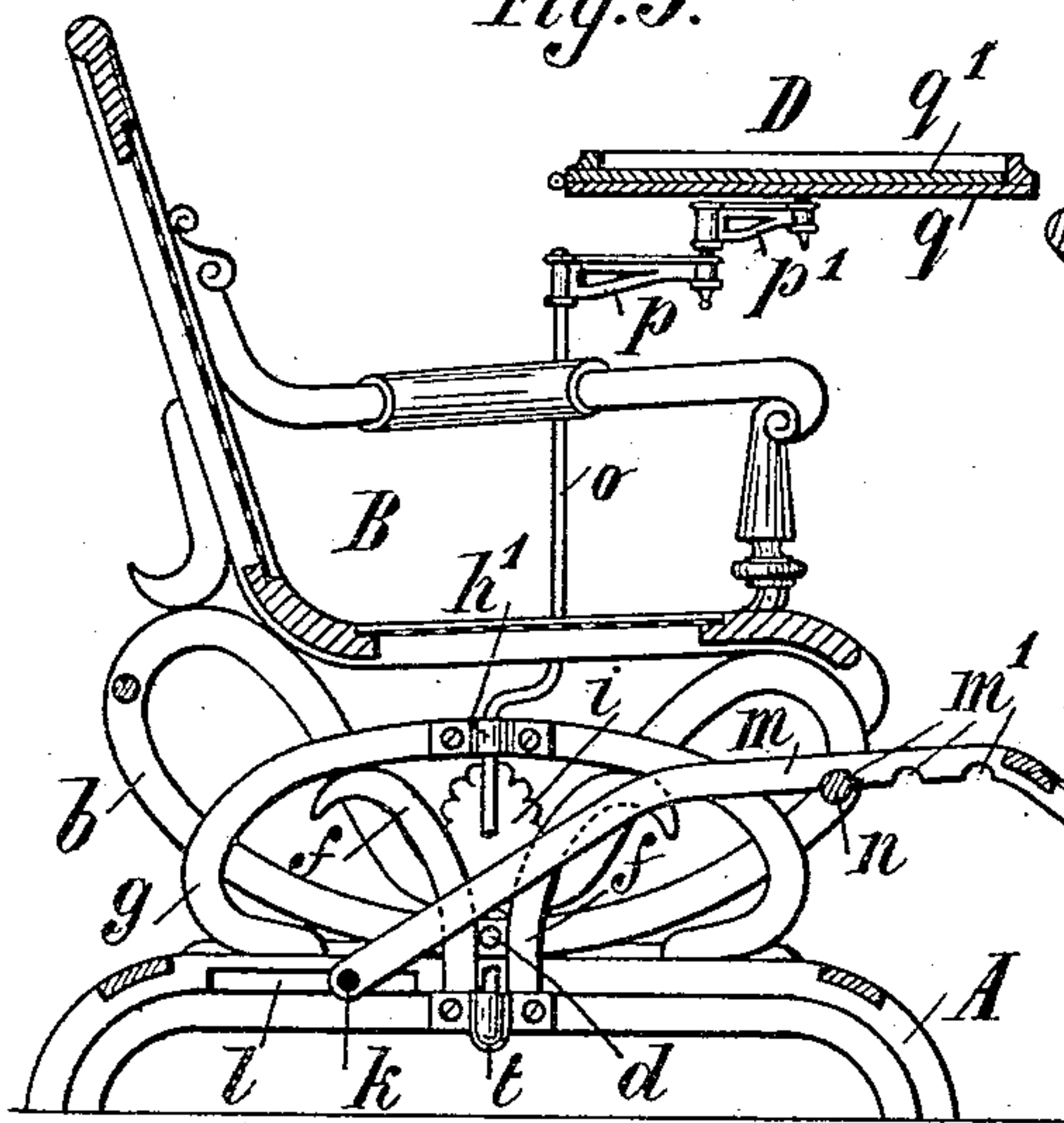
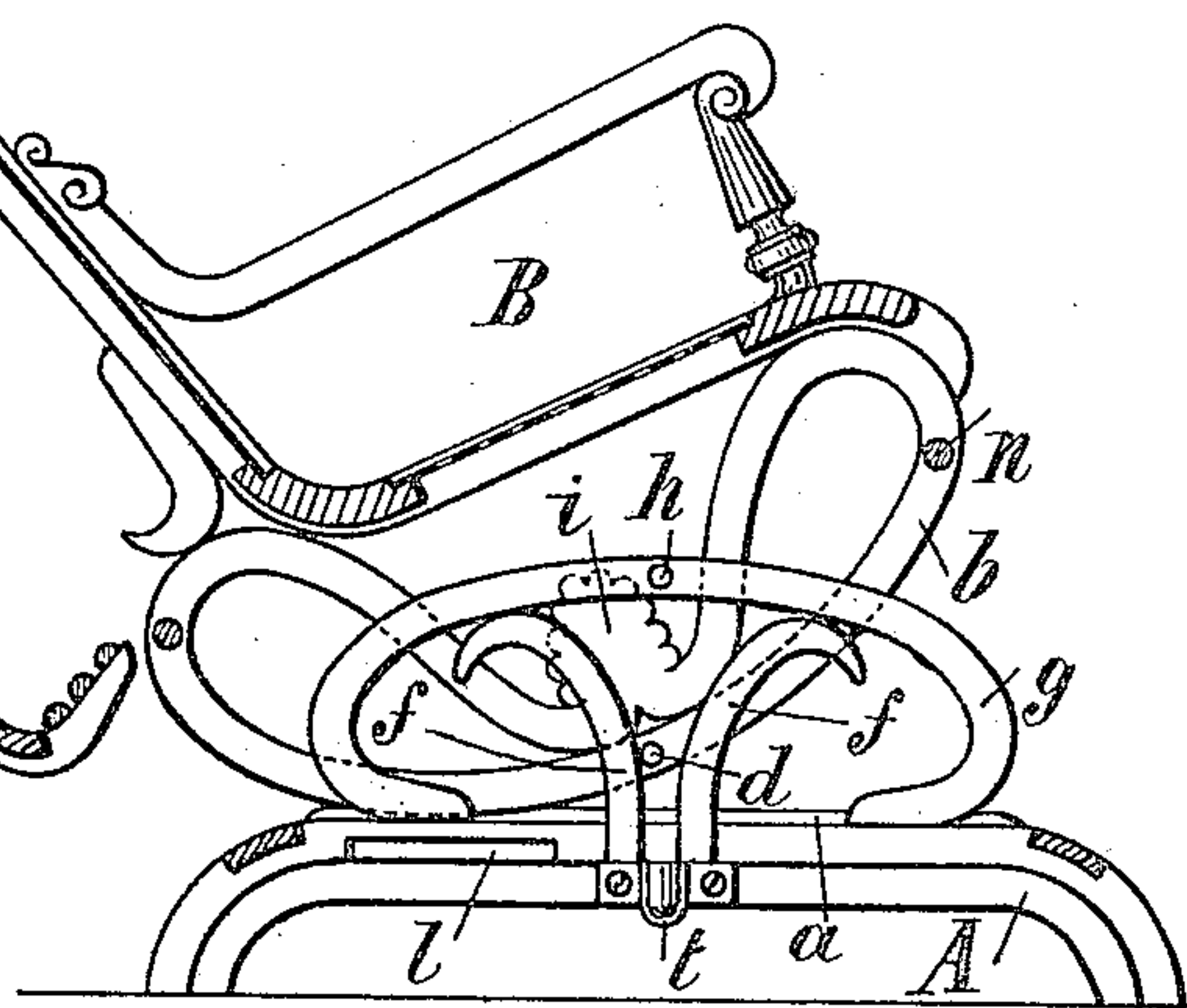


Fig.4.



Witnesses:
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UNITED STATES PATENT OFFICE.

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ROCKING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 529,273, dated November 13, 1894.

Application filed March 23, 1893. Serial No. 467,345. (No model.)

To all whom it may concern:

Be it known that I, GEORG CHRISTIAN HEINRICH KALTWASSER, a subject of the German Emperor, residing at Oderfeld, near Barbis-in-the-Harz, in the German Empire, have invented certain new and useful Improvements in and Relating to Rocking-Chairs, of which the following is a specification.

My invention relates to that class of chairs known as "platform rockers," and has for its objects to provide a rocking chair of this character wherein the chair proper is not in firm connection with the base or platform, but is adapted to move freely and easily upon the latter in the plane of its rocker; the lateral displacement of the chair proper being prevented by providing suitable guides upon the path of the platform or base, over which guides freely pass or slide projections on the chair proper.

It is also an object of my invention to so connect the rocker proper to its base or platform, as to allow a free rocking movement of the one upon the other, and so that in lifting the chair proper, the base or platform is necessarily lifted therewith.

In the accompanying drawings I have shown how my said invention may be carried into practice.

Figure 1 represents a side view; Fig. 2, a transverse section, and Figs. 3 and 4 longitudinal sections of the improved rocking chair.

A designates the lower stationary frame or support having a path *a* provided with projecting prismatic ledges and upon which the rockers *b* of the chair proper B formed with corresponding grooves, are adapted to roll but cannot be displaced laterally. The position of the rocking chair proper B upon the lower frame or support A is insured in the longitudinal direction by laterally projecting pins *d* which in the rocking movement of the chair proper slide along the guides *f* on the lower frame or support. The form of these guides is determined by the curve described by the pins *d* in the movement of the rocking chair proper, and therefore depends upon the radius of curvature of the rockers *b* and also upon that of the path *a* when the latter is not plane.

In order to enable the lower support or platform to be raised when the chair proper is lifted, I provide on the bow-pieces *g*, firmly connected with the lower frame or support, laterally projecting pins *h* against which the abutments *i* bear when the rocking chair is lifted. In order that the pins *h* may find a sure support, the abutments *i* are provided with suitable notches and formed in such a manner that in the rocking movements of the chair proper, the lateral pins *h* can slide along them or move at a certain distance from them.

The peculiar construction and arrangement of the bow-pieces *g*, above described, serve as braces and guides for the rockers of the chair whereby the accidental, lateral displacement of the chair proper, from its support or platform is avoided, and the rockers of the chair are thereby both guarded and guided during their rocking movement.

It may be observed that without changing the desired effects the guides *f* may also be provided on the chair proper B, while the pins *d* may be secured to the lower frame or support A. This reversal may also take place as regards the pins *h* and the abutments *i*, but in both cases it is needful to fulfill the conditions before mentioned with reference to the form of the guides *f* and abutments *i*.

The foot rest C which I employ with this rocking chair is supported by its cheeks *m*, provided at their under surface with notches *m'* upon the cross bar *n* connecting the two rockers *b*, and is held by the pins *k* at its rear end in guides *l* arranged below the path in the lateral parts of the lower frame or support A, Fig. 3. According as one or the other notch *m'* engages with the cross bar *n* the foot rest projects a longer or shorter distance to the front. In the rocking movement of the chair proper B the pins *k* of the foot rest make a small sliding movement in the guides *l* besides the rolling movement.

It is desirable to combine with such a rocking chair an adjustable table D. This table consists of the holder *o*, the arms *p p'* articulated to each other and to the holder, and the plate *q* to which a flap *q'* may be jointed. By the aid of a stay *s* the said flap may be held in an inclined position to the plate *q* so that the table may serve for reading purposes

(Fig. 1). The holder *o* is suitably guided in a socket *h'* connected with one of the pins *h*, and is supported at its lower end by a step bearing *t* secured to the lower frame or support A.

What I claim is—

1. In a platform rocking chair, the combination with the base or support, and a chair proper rocking on said base, of two upwardly and oppositely extending guides connected to each side of the base, projections on the chair proper adapted to slide along said guides, bow-pieces connected to the base and spanning said guides, lateral projections on the bow-pieces, and notched abutments on the chair proper adapted to engage with the projections on the bow-pieces, substantially as and for the purpose described.

2. In a platform rocking-chair, the combination with the base or support A having bow-pieces *g* secured thereto, laterally projecting pins *h* secured to said bow-pieces, of a chair proper rocking on said base and means for retaining said chair thereon during its rocking movement, ornamental abutments *i* formed

integral with the rockers of the chair, and notches in the upper portion of said abutments, said notches being adapted to engage with the projections on the bow-pieces when the chair proper is raised, substantially as described.

3. In a platform rocking chair, the combination with the base or support having a path, a chair proper adapted to rock on said path, of an adjustable foot rest C, one portion of which is freely mounted in longitudinal guides in the base or support, while the opposite portion thereof is adjustably secured to the rocker proper, whereby the said rest is given a sliding and rocking movement during the rocking of the chair, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 3d day of March, 1893.

G. CHR. HEINRICH KALTWASSER.

Witnesses:

W. B. MURPHY,

GEO. H. MURPHY.