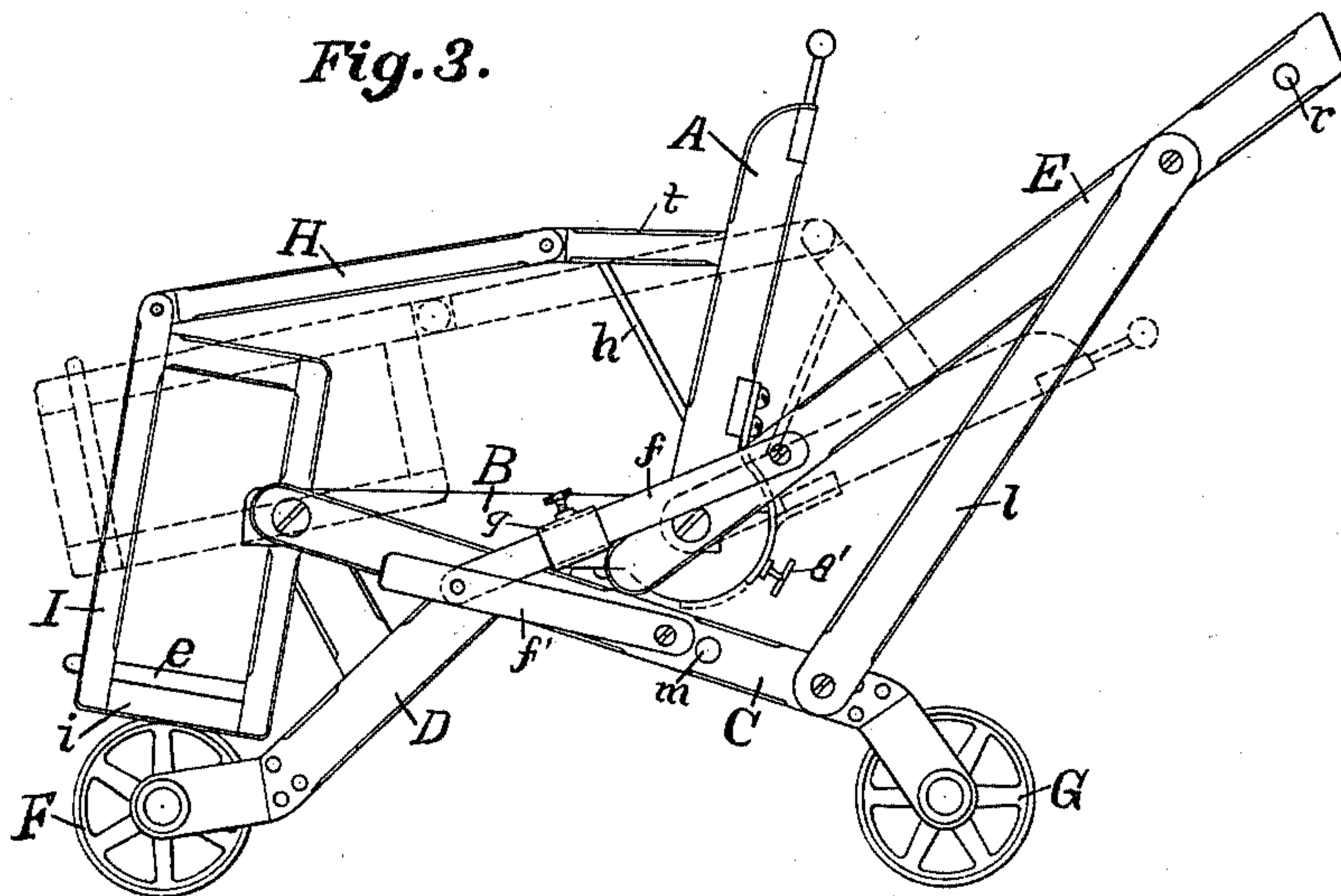
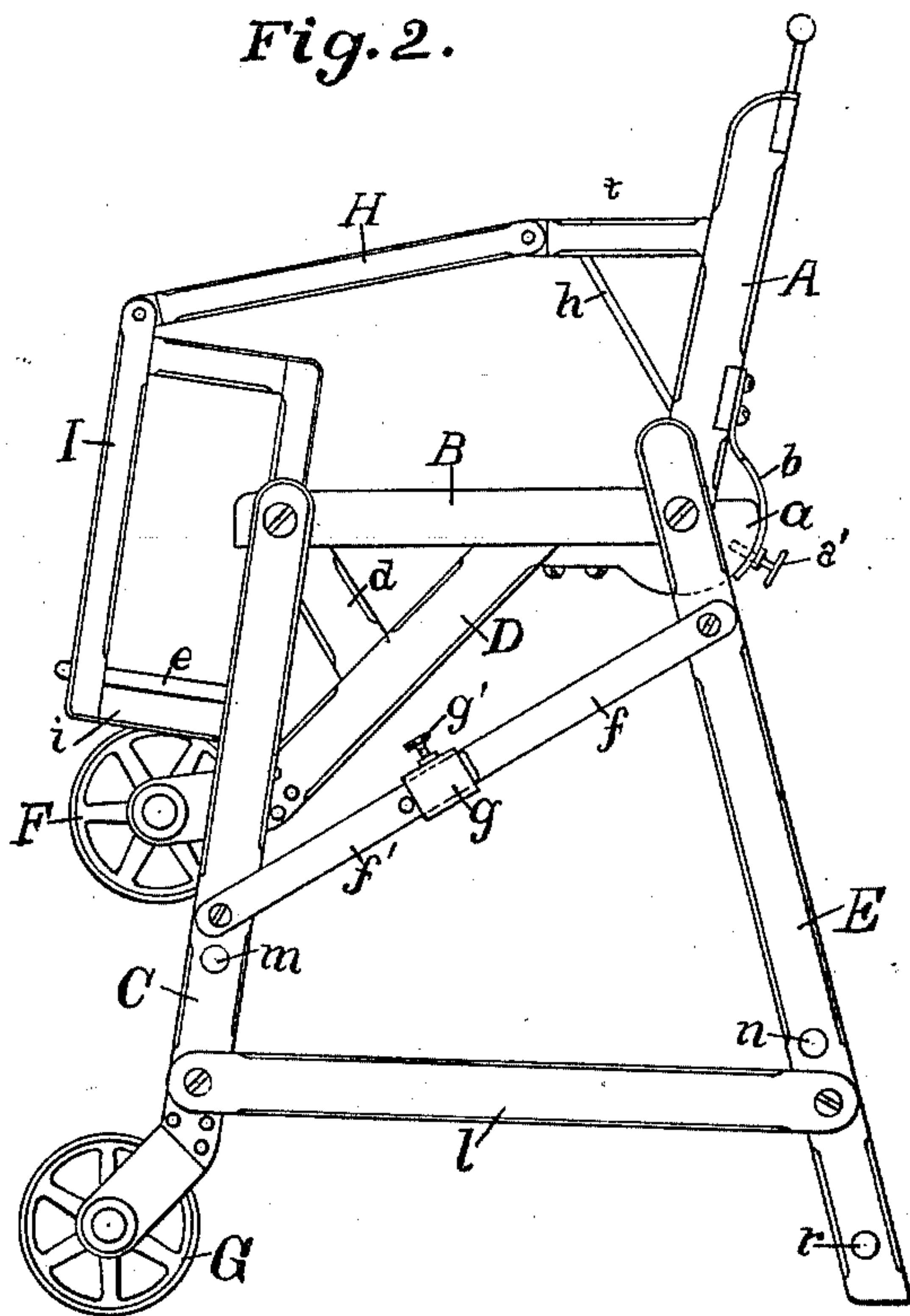
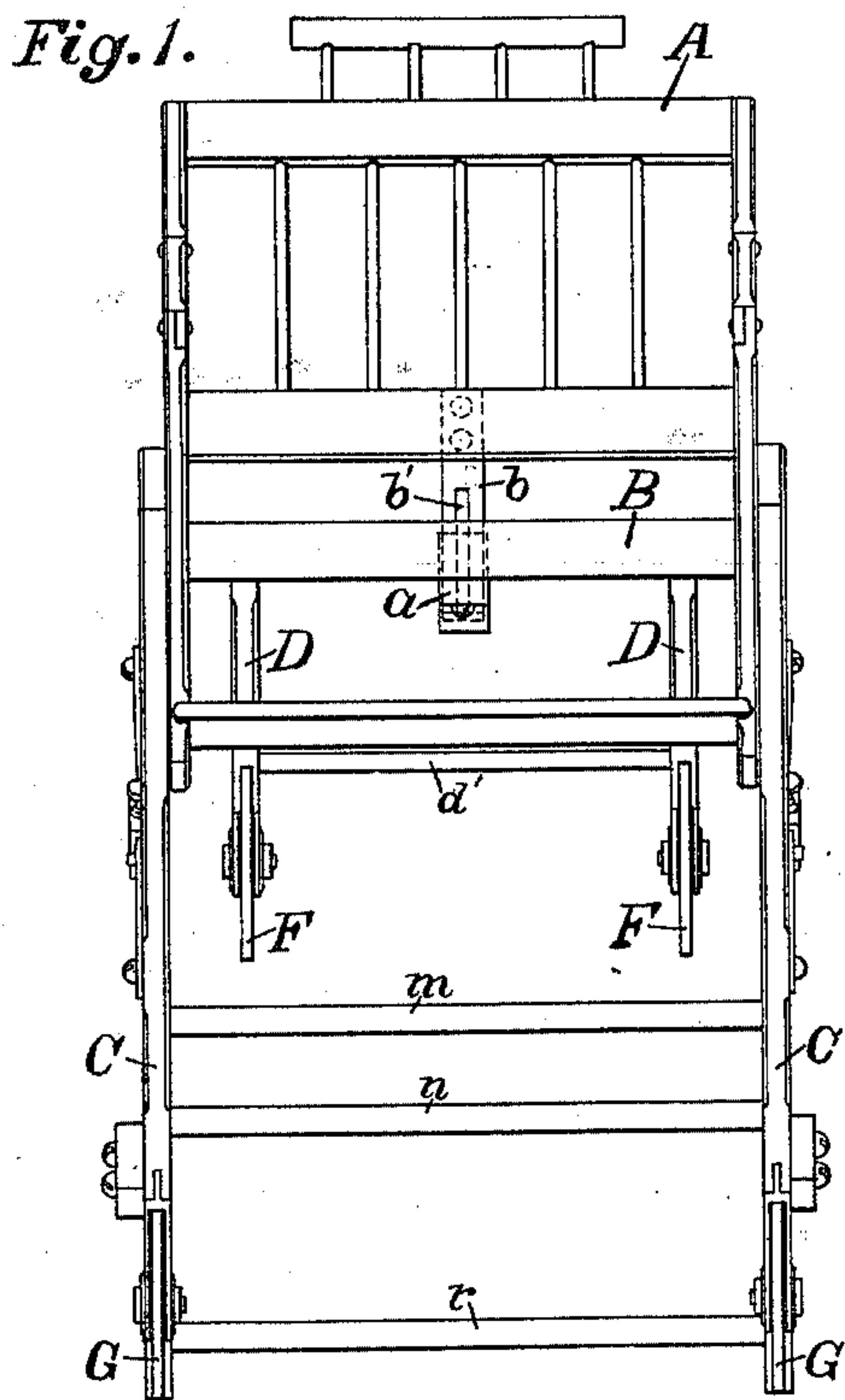


(No Model.)

G. I. HASWELL.
FOLDING CHAIR.

No. 509,432.

Patented Nov. 28, 1893.



WITNESSES:

George I. Haswell INVENTOR

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UNITED STATES PATENT OFFICE.

GEORGE I. HASWELL, OF FORT WAYNE, INDIANA.

FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 509,432, dated November 28, 1893.

Application filed May 24, 1893. Serial No. 475,358. (No model.)

To all whom it may concern:

Be it known that I, GEORGE I. HASWELL, a citizen of the United States, residing at Fort Wayne, in the county of Allen, in the State of Indiana, have invented certain new and useful Improvements in Folding Chairs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to improvements in adjustable or folding chairs for children.

The object of my improvement is to provide a cheap and convenient chair for children so constructed and arranged as to be adapted for use either as a child's high chair, a child's low chair on four wheels or as a reclining chair in which a child can comfortably and safely sleep or recline.

My invention consists of three principal parts, viz: a seat having rigid oblique forwardly projecting short legs having wheels properly mounted upon the free ends thereof, a movable or adjustable back having rigid short arms, and a foot-rest frame or support pivoted thereto, and connected to said back by a pivoted side rail, the said parts being properly mounted upon rearwardly extended legs pivoted to said seat and connected by toggle-jointed arms.

My invention consists of the novel construction and combination of the several parts as will be hereinafter set forth and particularly pointed out in the claims.

The objects of my improvement are accomplished by the mechanism illustrated by the accompanying drawings in which similar letters of reference indicate corresponding parts in the several views.

Figure 1 is a front elevation of my invention in position for use as a child's high chair. Fig. 2 is a side elevation of the same showing the arrangement of the various parts. Fig. 3 is a side elevation of my improvement in position for use as a low chair, and showing by dotted outline its position when used as a reclining or sleeping chair.

My improved chair is made of any suitable material, preferably of wood, and may be of any convenient or desired size but preferably of the usual proportions of a child's chair.

The movable back A, which may be of any proper design, is pivoted to the rigid seat B and is provided with rigid forwardly projecting short arms *t* having an oblique brace *h* secured to said arm and to the back. The back A is also provided with a curved slotted metallic guide *b*, having a longitudinal slot *b'* therein, the said guide being rigidly secured to the back A and adapted for vertical adjustment on the semicircular block *a*, as seen in Fig. 2. Upon the sides of said seat and near the front edge thereof are pivotally mounted the rectangular frames I, having a proper foot rest *e* mounted therein and pivotally connected with the arms *t*, *t*, by the side rails H, while at or near the rear edge of said seat is rigidly secured the semicircular block *a*, having a set screw *a'* adapted for vertical adjustment in the slot *b'* of the guide plate *b*, in a well known manner.

The seat B of proper strength and proportions, is provided with the forwardly projecting legs D, D, rigidly secured to the lower side thereof, strengthened by the vertical braces *d* and the lateral brace *d'*, and provided with the wheels F, F, of suitable size and properly mounted upon the free end thereof. The legs C, C are pivotally connected to the seat B at its front edge, being preferably mounted upon the same pivot with the frames I, I, are connected by the lateral brace rod *m* and are provided with the wheels G, G, mounted upon the lower ends thereof in any proper manner. The legs E, E, are also pivoted to the seat B at or near its rear edge, preferably mounted upon the same pivots with the movable back A, are connected by the parallel brace rods *n* and *r*, and are pivotally connected with the legs C, C, by the lateral braces *l*, *l*, said braces having a pivotal connection at either end thereof. The metallic arms *f* and *f'*, one upon either side of said chair, are pivotally connected to the legs E, E, and C, C, respectively and to each other, and are provided with an adjustable

sleeve *g* having a set screw *g'* properly secured therein, the said sleeve and set screw being adapted to firmly secure the said toggle-joint when the said arms are extended in the same right line, as seen in Fig. 2.

The operation and manner of using my improvement thus described are apparent, and briefly stated are as follows: When it is desired to convert my improved chair from a high chair or from the form seen in Fig. 1 to the position seen in Fig. 3 the set screws *g'* are loosened and the sleeves *g* are slipped over the joint of the arms *f* and *f'*, the said arms are then bent on their pivoted connection to an acute angle with each other, during which operation the pivoted legs *C, C*, will gradually assume the rearwardly extended position seen in Fig. 3 or will be changed from a vertical to nearly a horizontal position. The seat and back of the chair will thus be lowered until the chair rests upon the legs *C, C*, and *D, D*, having the wheels *G, G*, and *F, F*, respectively; and the legs *E, E*, will be inverted thereby adapting them for use as convenient handles by which the operator can readily push the chair from place to place.

When it is desirable the back *A* can be moved backward upon its pivotal connection into nearly a horizontal position as seen by the dotted outline in Fig 3, by loosening the set screw *a'* in the slot *b*. The pivoted frame *I* will then be in line with the side rail *H* and the arm *t* will be nearly at right angles thereto when by tightening the screw *a'* in the plate *b* the back *A* can be securely held at any desired angle of adjustment.

My improved chair can readily be readjusted to its former position by elevating the seat and back, properly adjusting the set screw *g'* and swinging the legs *C, C*, and *E, E*, from their oblique position to a vertical position. The arms *f* and *f'* are then straightened by the operator, in a right line with each other, the sleeve *g* is adjusted in position over the toggle joint of the said arms and then firmly secured in that position by tightening the set screws *g'*. As the wheels *F, F*, are now off the floor, the legs *E, E*, will hold the chair rigidly stationary upon the floor while in use.

Having thus described my invention and the manner of using the same, what I claim

as new and useful, and desire to secure by Letters Patent, is—

1. In a child's chair, the combination of the movable back *A* pivoted to the bottom *B* and provided with rigid arms *t, t*, and a curved slotted guide plate *b*, and the seat *A* having the short oblique legs *D, D*, rigidly secured thereto and provided with the wheels *F, F*, said seat being also provided with a guide block *a* and foot rest frames *I, I*, pivoted thereto and pivotally connected to the arms *t* by the side rails *H, H*, with the legs *C, C*, pivoted to the seat *B* having the wheels *G, G*, mounted thereon, and the legs *E, E*, also pivoted to the seat *B* said legs being connected to the legs *C, C*, by the pivotally mounted lateral braces *l, l*, and the toggle-jointed arms *f, f'*, provided with an adjustable sleeve *g* having a set screw *g'*, all substantially as set forth and described.

2. The combination in a child's folding chair of the rigid seat *B* having the forwardly projecting legs *D, D*, rigidly secured thereto and having the vertical braces *d, d*, a semi-circular block *a* secured to the bottom thereof and a foot rest frame *I, I* pivotally mounted at the sides thereof, said frame being provided with a foot rest *e* and pivotally connected to the back *A* by the side rails *H, H*, and the back *A* pivotally mounted upon the said seat and provided with the slotted guide plate *b*, with the legs *C, C*, pivotally connected at their upper end to said seat and having the wheels *G, G*, upon the other end, the said legs being braced by the rod *m* and adapted for rearward extension, the legs *E, E*, pivotally mounted upon the sides of the seat *B*, braced by the parallel rods *n* and *r*, and adapted for rearward and upright extension to serve as handles for said chair, the braces *l, l*, pivotally connected to the legs *C, C*, and *E, E*, and the toggle-jointed arms *f* and *f'* pivotally mounted on the legs *C, C*, and *E, E*, and provided with an adjustable sleeve *g* having a set screw *g'*, all substantially as set forth and described.

Signed by me, at Fort Wayne, Indiana, this 13th day of May, 1893.

GEORGE I. HASWELL.

Witnesses:

J. J. COLLEMAN,
W. C. MCCOWAN.