3 Sheets—Sheet 1.

G. N. SEIDLER.

ADJUSTABLE EXTENSION CHAIR.

No. 187,490. Patented Feb. 20, 1877.

Fig 1.

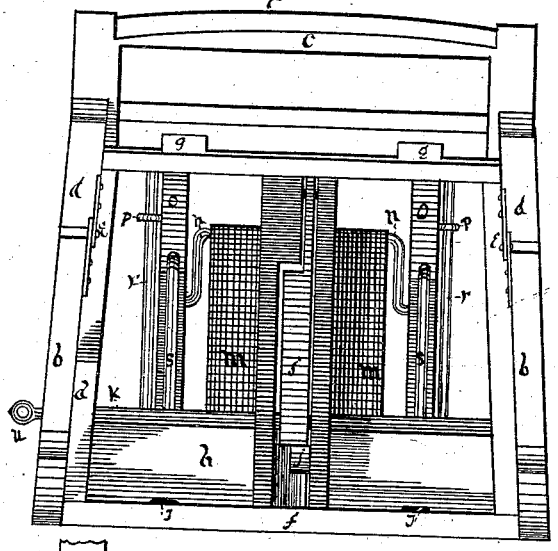


Fig 2

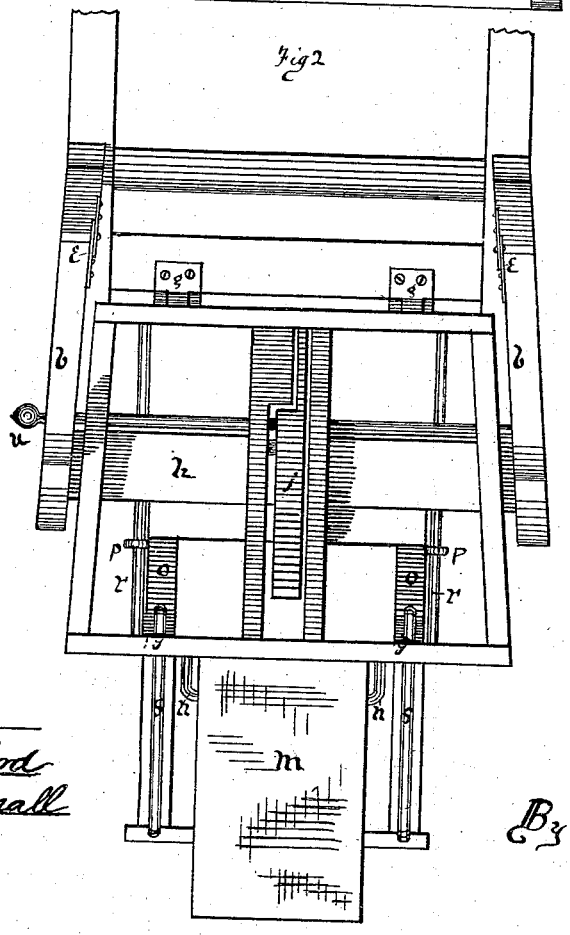
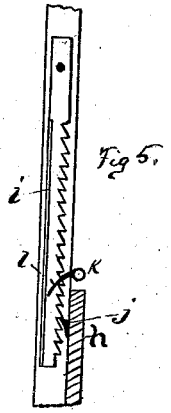


Fig 5.



WITNESSES
R. H. J. Gaylord
Wenny Small

INVENTOR
Geo. N. Seidler
By W. E. Simonds
Atty.

3 Sheets—Sheet 2.

G. N. SEIDLER.

ADJUSTABLE EXTENSION CHAIR.

No. 187,490. Patented Feb. 20, 1877.

Fig 3

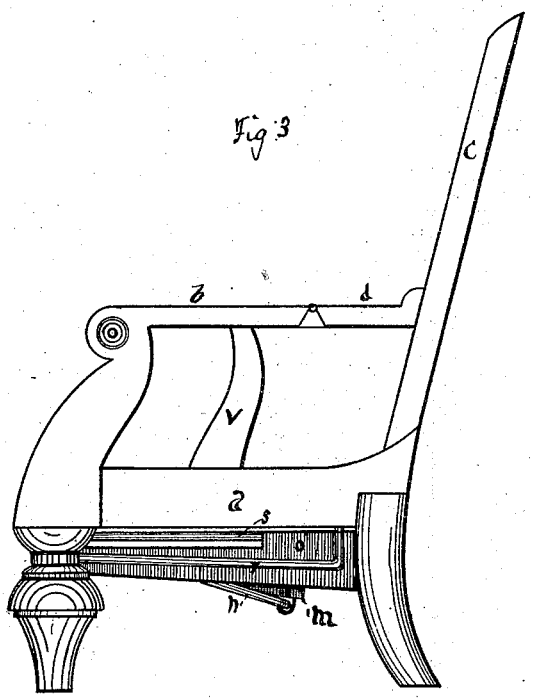
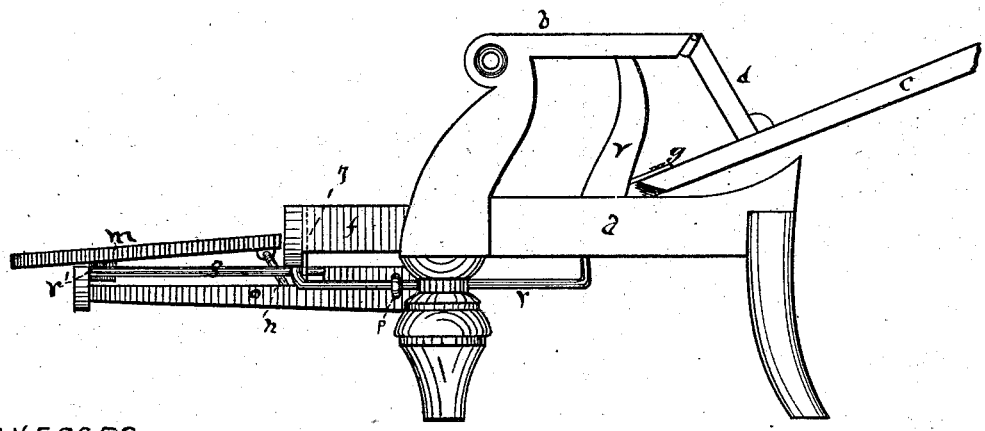


Fig 4



WITNESSES

Robt. F. Gaylord

Henry Small.

INVENTOR

George N. Seidler

By W. E. Simonds

Atty.

3 Sheets—Sheet 3.

G. N. SEIDLER.

ADJUSTABLE EXTENSION CHAIR.

No. 187,490. Patented Feb. 20, 1877.

Fig. 6.

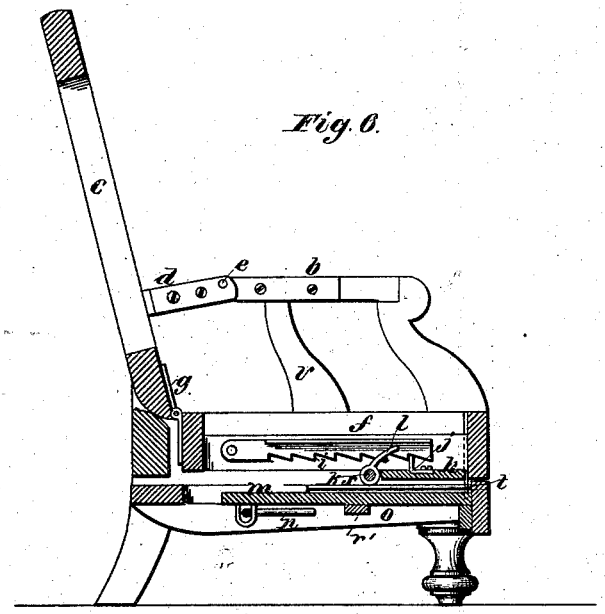
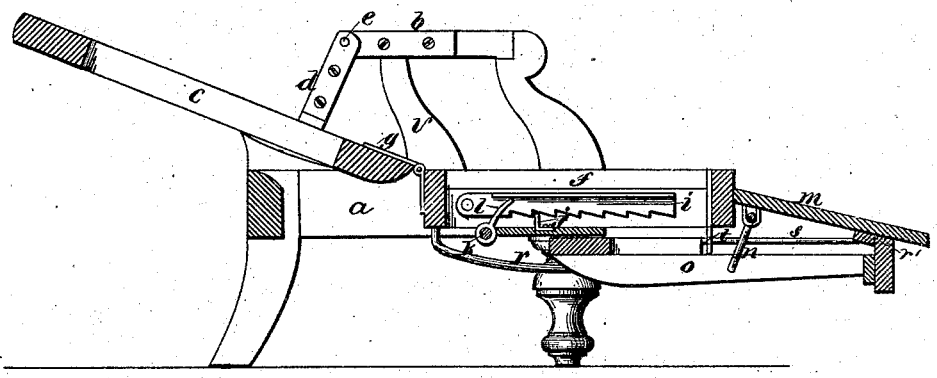


Fig. 7.



Witnesses.

Robt. F. Gaylord

Henry Small

Inventor.

George N. Seidler

By W. E. Simonds

Atty

UNITED STATES PATENT OFFICE.

GEORGE N. SEIDLER, OF HARTFORD, CONNECTICUT, ASSIGNOR OF ONE-HALF HIS RIGHT TO CHARLES MAY, OF SAME PLACE.

IMPROVEMENT IN ADJUSTABLE EXTENSION-CHAIRS.

Specification forming part of Letters Patent No. **187,490**, dated February 20, 1877; application filed February 3, 1876.

To all whom it may concern:

Be it known that I, GEORGE N. SEIDLER, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements Pertaining to an Adjustable Extension-Chair, of which the following is a specification, reference being had to the accompanying drawings, where—

Figure 1 is a top view (upholstery omitted) with the parts adjusted in the position of a common chair. Fig. 2 is a top view of the same, extended. Fig. 3 is a side view with the parts in the same position as in Fig. 1. Fig. 4 is a side view with the parts in the same position as in Fig. 2. Fig. 5 is a detail view of a ratchet-arm, hereinafter spoken of, with cross-section of operating rod and side view of cam. Fig. 6 is a view of the chair in vertical section, with the parts adjusted in the position of a common chair. Fig. 7 is a sectional view on the same plane as Fig. 6, with the parts extended.

The letters *a* denote the common chair-frame; *b b*, the arms thereof; *c*, the back; *d d*, partial arms secured to the back and pivoted to arms *b b* by hinges *e e*; *f*, the sliding seat hinged at the rear to the back *c* by hinges *g g*, and sliding at the front on cross-bar *h*; *i*, a ratchet-arm, pivoted at the rear to a part of the sliding seat, and meshing with the stationary pawl or spur *j* rising from the cross-bar *h*; *k*, an operating rod bearing the cam *l*, by the partial rotation of which the cam is made to strike the lateral leaf of arm *i* and raise it off the spur *j*; *m*, a foot-rest, hung by cranked arms *n* in the foot-rest frame *o*, the rear part of which slides by eyes *p* on rods *r*, and the front part of which slides by its rods *s* in eyes *t*.

The ratchet-arm *i* resting on and meshing with the spur *j*, holds the seat and back at any desired position of adjustment. A person, by partially rotating the rod *k* by means of one of the knobs *u*, rotates the cam *l*, thereby raising arm *i* from mesh with spur *j*, so that the seat can be adjusted forward as desired. The seat adjusts backward by pressure merely. The partial arms *d d* are requisite, in order to permit much if any movement of the seat without materially disturbing its level, for the foot of the swinging back is hinged to the rear of the sliding seat; and were it not for these partial arms a forward movement of the seat would raise the rear of the seat.

The foot-rest frame slides readily in and out on its rods, and when the frame is drawn out the rest *m* is pulled out to position shown in Figs. 2, 4, and 7, and is there held by the stop or cleat *r'* resting against the front end of the foot-rest frame.

The arms *b b* are supported just in front of hinges *e e* by supports *v v*.

I am aware that I am not the first to combine, in a chair, a seat-frame sliding back and forth in a horizontal plane, and a vibrating back, hinged at its lower end to the rear of the seat-frame, and supported laterally by pivotal connections with standards which are rigidly secured to the chair-support, and I disclaim such combination.

I claim as my invention—

1. The partial arms *d d*, rigidly secured to the back *c*, and jointed by hinges *e e* to arms *b b*, substantially as shown and described.

2. In combination, sliding seat *f*, pivoted and ratchet-arm *i*, spur *j*, and operating-rod *k*, bearing cam *l*, all substantially as and for the purpose set forth.

GEO. N. SEIDLER.

Witnesses:

W. E. SIMONDS,

ROBT. F. GAYLORD.