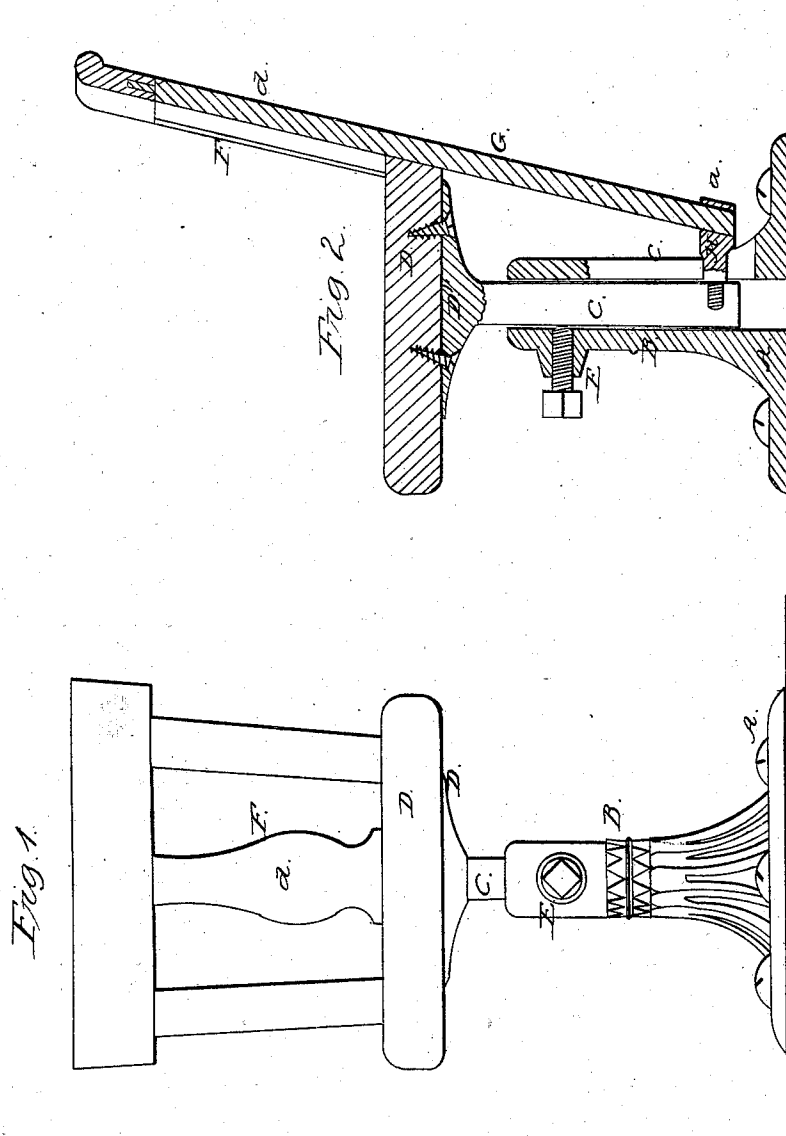


A. Chase,
Adjustable Seat,
N^o 32,511, Patented June 11, 1861.



Witnesses.
J. W. Coombs
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Inventor.
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UNITED STATES PATENT OFFICE.

AMOS CHASE, OF NORTH WEARE, NEW HAMPSHIRE.

ADJUSTABLE CHAIR.

Specification of Letters Patent No. 32,511, dated June 11, 1861.

To all whom it may concern:

Be it known that I, AMOS CHASE, of North Weare, in the county of Hillsboro and State of New Hampshire, have invented a new and improved adjustable chair or seat designed for schools, and also applicable in other cases where the seat is required to be varied in height to suit different occupants; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a front view of my invention, Fig. 2, a side sectional view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to obtain an adjustable chair or seat provided with a back, one that may be raised or lowered to suit the height of the occupant, and still be perfectly firm and durable and capable of being firmly secured at any desired point within the range or scope of its adjustment.

The invention consists in having a pendent bar attached to the under side of the seat, said bar being fitted in a suitable socket which is slotted vertically at its back to admit of a rod or arm being fitted horizontally in the lower part of the seat bar to receive the brace or support of the back of the seat or chair, all being arranged as hereinafter described to effect the desired end.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, represents a proper base with a vertical socket B, attached or cast with it both in one piece. Within the socket B, a rod C, is fitted and allowed to slide freely up and down. This rod C, is of metal and is provided at its upper end with a circular flanch D', which is screwed to the under side of the seat D. The rod C, is secured at any desired point by a set screw E, as shown clearly in Fig. 2.

F, represents the back of the seat or chair which may be of any proper form and provided with a bar or brace rod G, projecting

down and having its lower end fitted in a socket *a*, at the outer end of a rod or arm H, which is secured horizontally to rod C, and passes through a vertical slot *c*, in the socket B, see Fig. 2. The slot *c*, admits of the rod or arm H, working vertically or moving up and down in the socket.

The bar or brace rod G, not only serves as a support to the seat but also renders the back F, exceedingly firm and strong, said bar or brace rod being a continuation of the center rail *d*, of the back F, as shown in Fig. 2. It also renders the seat firm obviating that disagreeable shaking or play attending in a greater or less degree all sliding or adjustable seats, for it will be seen that the pressure of the back of the occupant against the back F, of the seat is transmitted to the lower part of the rod C, and this lateral pressure on the lower part of the rod in connection with the screw E, has a tendency to keep the seat firm in position when occupied, much more so than it would otherwise be. The arm H, also prevents the rod C, from turning in the socket B.

This invention is applicable to all purposes for which sliding or adjustable seats are required, for school desks, music chairs or stools, etc., etc.

The invention does not involve any appreciable additional cost in construction over the old plan.

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

The rod C, secured to the under side of the seat D, and fitted in the socket B; when used in combination with the bar or brace rod G, connected with the back F, and secured at its lower end to an arm H, which is attached to rod C, and is fitted in a slot *c*, in the socket B, the whole being arranged as shown to form an improved sliding or adjustable chair or seat.

AMOS CHASE.

Witnesses:

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