

D. H. Nation.

School Furniture.

N^o 90,183. Patented May 18, 1869.

Fig. 2.

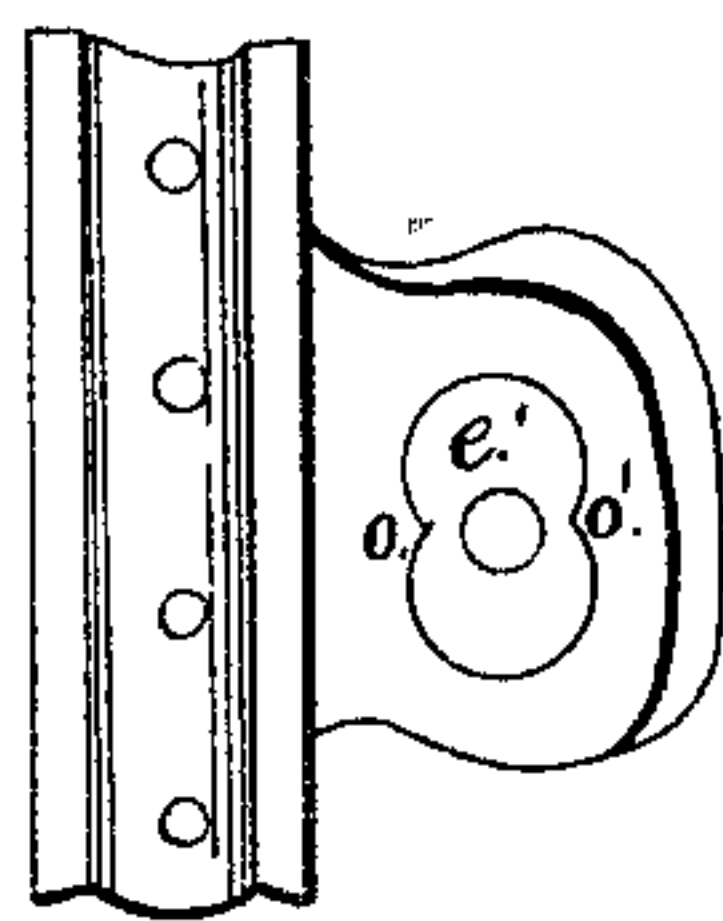


Fig. 3.

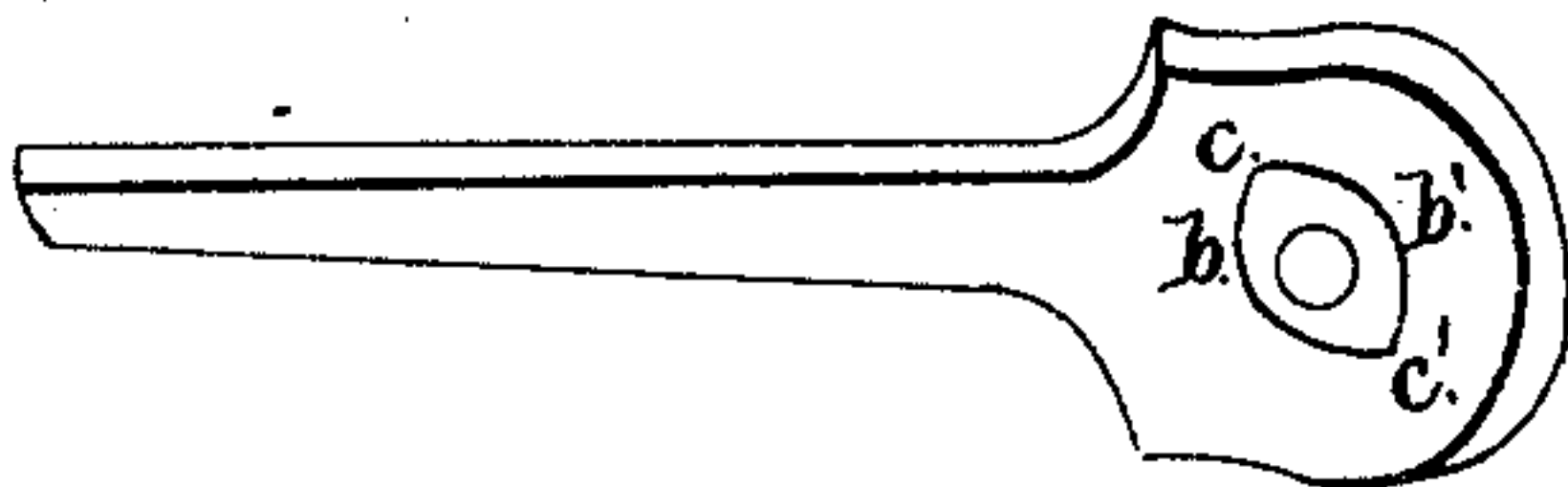
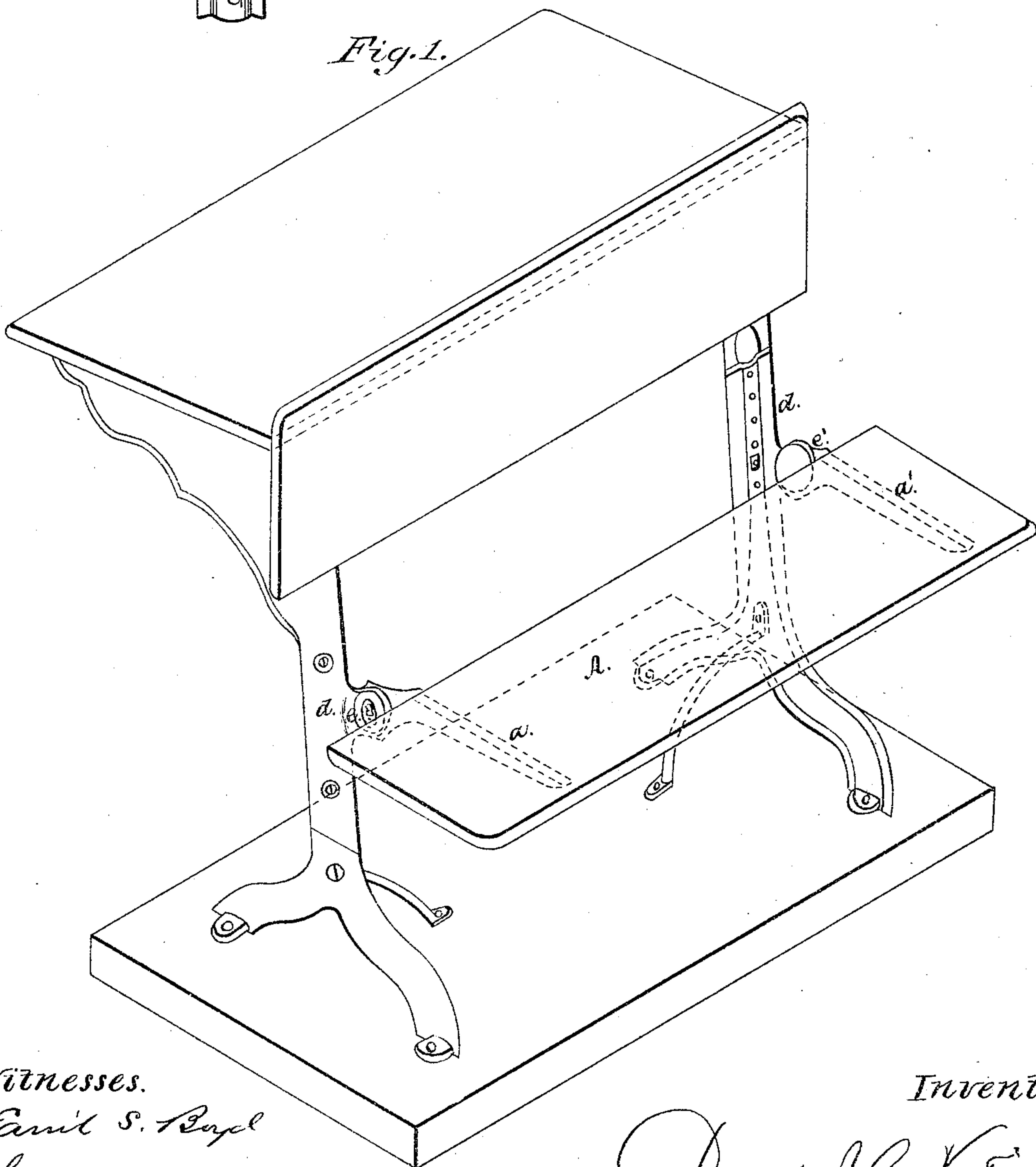


Fig. 1.



Witnesses.

Sam'l S. Boyd

Lewis Myers

Inventor.

Daniel H. Nation



DAVID H. NATION, OF ST. LOUIS, MISSOURI.

Letters Patent No. 90,183, dated May 18, 1869.

IMPROVED FOLDING SEAT.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, DAVID H. NATION, of the city and county of St. Louis, and State of Missouri, have invented a new and useful Improved Folding Seat, of which the following is a full, clear, and exact description, reference being had to the annexed drawing, making a part of this specification, in which—

Figure 1 represents a school-desk, with the seat attached.

Figures 2 and 3 represent detached views of parts of same, hereinafter described.

Similar letters indicate like parts.

The seat A, fig. 1, is attached to arms, represented by the dotted lines *a a'*, in the ordinary way.

These arms are cast with elliptical projections *b b'*, *b* only being seen in fig. 3, having an opening in the centre, as seen, the major diameter of the ellipse making an angle of about forty-five degrees with the plane of the arm.

The standards *d d'* of the desk are cast with elliptical sockets *e e'*, fig. 1, *e'*, fig. 2, having bevelled shoulders *o o'* on either side of the inner circumference, as shown in fig. 2, the minor diameter of the ellipse being at right angles to the plane of the standards.

The projections *b b'* having been inserted in the sockets *e e'*, a bolt is passed through both, making a trunnion for the seat to work on.

When the seat is in use, the sides of *b b'* rest against the sides of *e e'*, and also on the shoulders *o o'*, which gives two bearings, making the seat much stronger,

since it removes all weight from the trunnion, which, in these seats, is in practice found to be generally the weakest part. Of course when the seat is thrown back, the opposite sides of *b b'* impinge against the opposite sides of *e e'*, preventing the seat from going too far back.

If desired, rubber or other elastic substance may be inserted in *b b'*, at the respective points of contact, or even in *e e'*, but I think it will be better, if rubber is used, to have it on *b b'*, since it will be easier to cast the necessary cavities for its reception on these than in the sockets.

The shoulders *o o'* are not essential to the well working of the seat, and are used merely to prevent any possibility there might be of the parts binding. I therefore do not limit myself to a seat containing such device.

I do not, of course, claim any originality in the seat itself, or the idea of having it fold as described, since this is common and well known; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

The method of uniting a folding seat to its standards by elliptical projections *b b'* and sockets *e e'*, with shoulders *o o'* and bolts passing through them, in the manner shown and specified.

DAVID H. NATION.

Witnesses:

SAM'L S. BOYD,
LEWIS MYER.