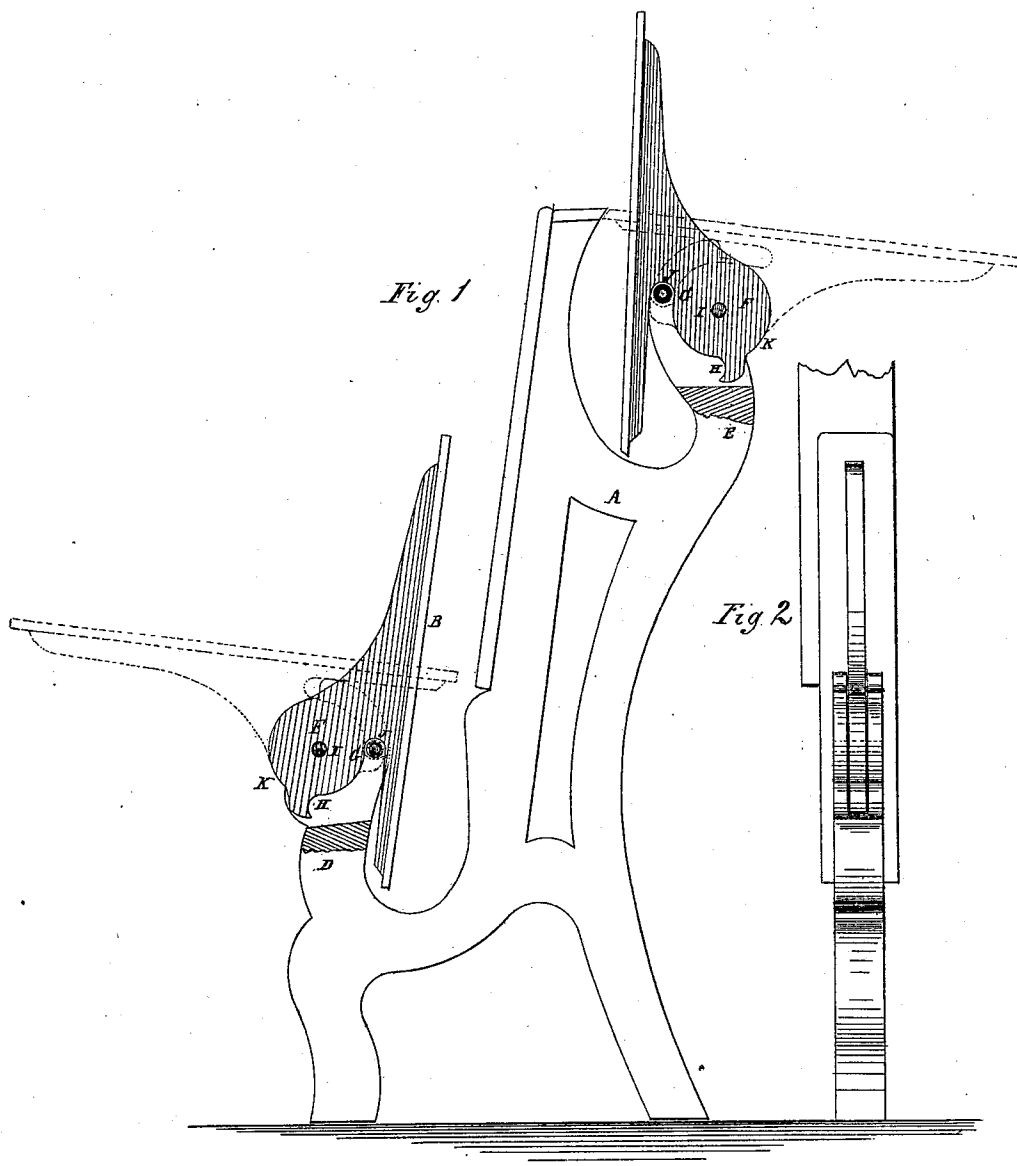


N. JOHNSON.
SCHOOL DESK AND SEAT.

No. 109,518.

Patented Nov. 22, 1870.



Witnesses:
A. W. Almqvist
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Inventor:
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PER *Wm. H. [Signature]*
Attorneys.

United States Patent Office.

NATHANIEL JOHNSON, OF NEW YORK, N. Y.

Letters Patent No. 109,518, dated November 22, 1870.

IMPROVEMENT IN SCHOOL-DESKS AND SEATS.

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, NATHANIEL JOHNSON, of the city, county, and State of New York, have invented a new and useful Improvement in Combined School-Desk and Seat; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in school furniture, and consists in a combined desk and seat hinged to the frame or stands, and made noiseless by cushioning, as hereinafter more fully described.

The accompanying drawing represents, by—

Figure 1, a side view, partly in section, and by

Figure 2, an end view of my combined desk and seat, as connected with the stand or end piece, showing the seat and the desk-bars turned up as when not in use, and their true positions when in use in dotted lines.

Similar letters of reference indicate corresponding parts.

A are the standards of the combined desk and seat, and *a* the head piece.

B is the seat.

C is the desk.

D is an arm projecting upward directly above the forward leg of the standard to which the seat is hinged.

E is an arm projecting from the back of the standard to which the desk C is hinged.

In the top portion of each of these arms there is an open slot, in which the joint-portion F F of the desk and seat-bars work.

G G are stop-pins, which are cushioned with India rubber.

H H are stop-hooks on the joint parts F F, which strike the cushions when the desk and seat are let down for use, as represented in dotted lines.

The seat and the desk turn on the central pivots I I.

When the seat or desk is thrown back or raised, as represented in the drawing, shoulders, J J, strike the cushioned stop-pins, which hold them in an upright position, as seen in the drawing.

The hinge-parts F F of the seat and desk-bars form, with the open slot in the arms D E, with the pivots I I, the two hinges complete.

In turning either the desk or seat back and forth, the cushions on the stop-pins G G make the changes noiseless.

K represents the joint on which the desk and seat turn, constructed as before described.

It will be observed that the stop-pins G G are within the open slots in the arms and entirely out of sight, and that there is little danger of children getting their fingers injured in the joint.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The combined school-desk and seat herein described, consisting of the standards A, slotted arms D E, stops J J, pivots I I, head-piece *a*, desk C, and seat B, all constructed in the manner and for the purpose specified.

NATHL. JOHNSON.

Witnesses:

GEO. W. MABEE,
T. B. MOSHER.