

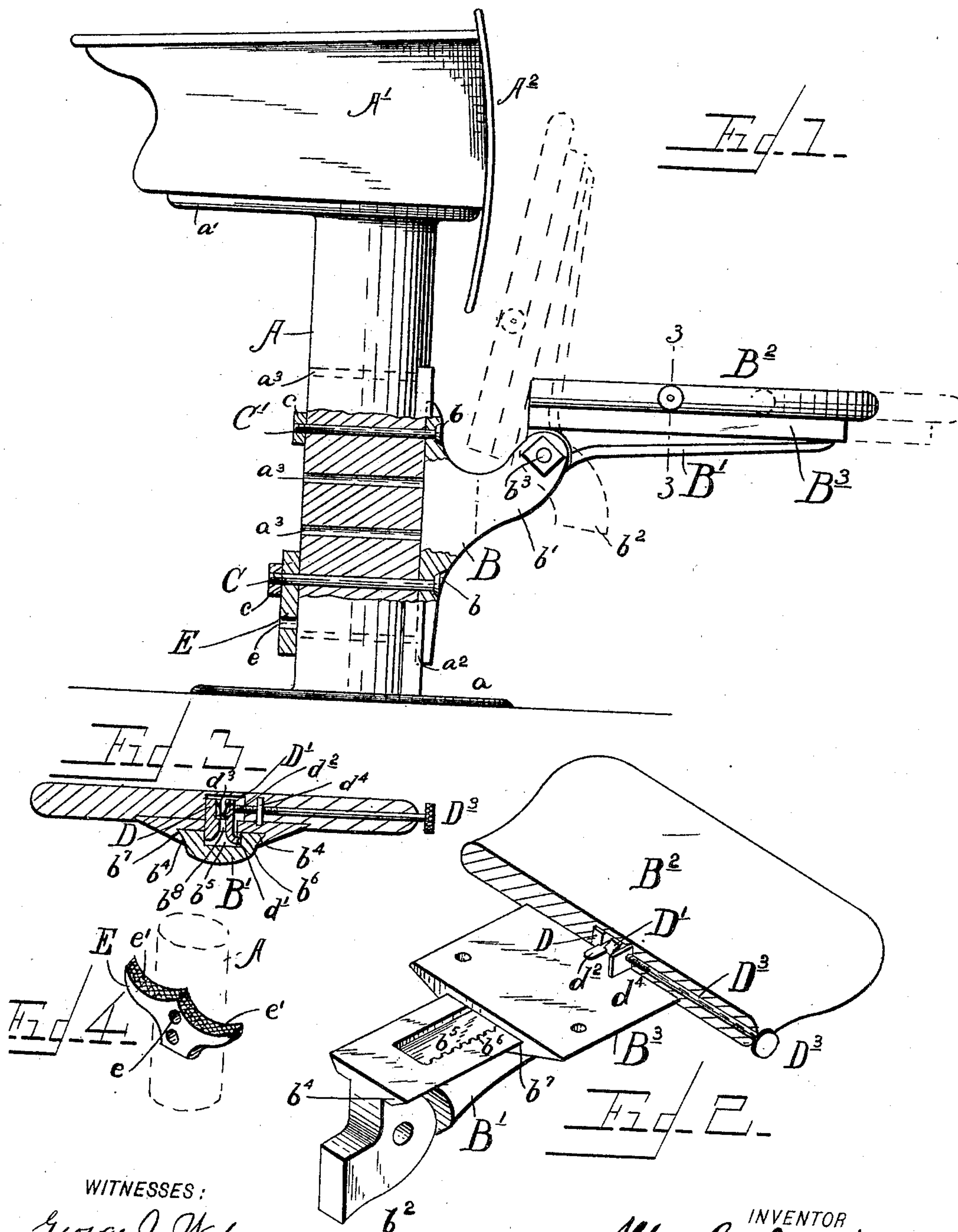
No. 622,647.

Patented Apr. 4, 1899.

A. C. DAVIS.
ADJUSTABLE SCHOOL DESK.

(Application filed June 17, 1897.)

(No Model.)



WITNESSES:

George J. Weber.
Alex. Scott

INVENTOR.

Alton C. Davis

BY

Geo. H. Evans

ATTORNEY.

UNITED STATES PATENT OFFICE.

ALBON C. DAVIS, OF FORT DAVIS, TEXAS, ASSIGNOR OF ONE-HALF TO
HARVY E. CARPENTER, OF SAME PLACE.

ADJUSTABLE SCHOOL-DESK.

SPECIFICATION forming part of Letters Patent No. 622,647, dated April 4, 1899.

Application filed June 17, 1897. Serial No. 641,207. (No model.)

To all whom it may concern:

Be it known that I, ALBON C. DAVIS, a citizen of the United States, residing at Fort Davis, in the county of Jeff Davis, State of Texas, have invented certain new and useful Improvements in a Combined School Desk and Seat, of which the following is a specification.

My invention relates to that class of school-desks in which a pedestal supports the desk and is provided on its front side with a vertically-adjustable seat for the scholar at the next desk in front.

The objects of the invention are to provide a desk and seat which shall be simple, effective, and not liable to get out of order, to provide for the vertical adjustment of the seat and also for the adjustment toward and from the pedestal, and to provide a novel foot-rest on the rear side of the pedestal which shall be capable of vertical adjustment. These objects I accomplish by the mechanism shown in the accompanying drawings, in which—

Figure 1 is a side elevation, partly in section, of the improved school desk and seat, the dotted lines showing how the seat may be swung up and adjusted forwardly. Fig. 2 is a detail perspective of the seat-supporting arm and seat-adjusting devices, the rear half of the seat being removed. Fig. 3 is a transverse vertical section on line 3 3 of Fig. 2. Fig. 4 is a detail view of the foot-rest.

A designates the pedestal or single standard, having a base-flange a , adapted to be screwed to the floor, and a rearwardly-extending top flange a' , to which the desk A' is secured, the front wall A^2 of the desk being curved, as shown, to form a seat-back. The front side of the standard A is provided with a vertical groove a^2 , intersected by a vertical series of transverse bolt-holes a^3 , as shown in Fig. 1.

B is a bracket resting at its vertical face in the groove a^2 and provided with bolt-holes b and with forwardly and upwardly projecting parallel ears b' , between which the seat-supporting arm B' is pivoted, as will be presently described.

C C are two bolts passed through the holes b in bracket B and through two holes a^3 in pedestal A, the rear ends of the bolts being

threaded and provided with nuts c . Thus provision is made for adjusting the seat-supporting bracket in a very simple and effective manner.

The seat-supporting arm B is provided at its rear end with a downwardly and rearwardly projecting lug b^2 , pivoted by a bolt b^3 between the ears b' , the rear end of the said lug b^2 resting against the base of the slot or bifurcation formed between the ears b' when the seat is in its lowered position.

The arm B' is provided with dovetail longitudinal edges b^4 and with a longitudinal groove b^5 in its upper flat face, one wall of said groove being serrated, as at b^6 .

The seat B^2 has secured to its lower face a central plate B^3 , provided with a dovetail groove b^7 , receiving the dovetail arm B' , so that the seat may be moved along said arm. The groove b^7 in seat-plate B^3 is intersected by an opening b^8 , through which project the seat-adjusting dogs D D' , the former being plain and stationary and the latter being pivoted and having a toothed lower end d' . The lower end of dog D is next to the non-toothed wall of groove b^5 , and the toothed end d' of lug D' operates in connection with the serrated wall b^6 . These two dogs D D' are recessed in their adjacent faces and supported from the upper side of the seat-plate B' by means of a transverse pin d^2 , which crosses the opening b^8 and rests on top of plate B' . A spring d^3 is placed between the upper ends of the dogs D D' , which causes the lower end d' of dog D' to be moved out of engagement with the teeth b^6 of the arm B' .

D^3 is a screw mounted in a hole extending inwardly from one side of the seat B^2 and passing through a nut d^4 let into the seat adjacent to the outer face of the upper end of dog D' , so that by turning the screw in one direction its inner end will be moved into engagement with the upper end of dog D' and cause its lower toothed end to be pressed outwardly into engagement with the teeth b^6 to firmly lock the seat in whatever position it may be moved to on the arm B' . When it is desired to change the horizontal adjustment of the seat, the screw is loosened and the spring d^3 will disengage dog D' from the teeth

b^6 and permit the seat to be slid in or out on the arm B' to bring the scholar the required distance from his desk.

E is the foot-rest, provided at its middle with a plurality of vertically-alined holes e , one of which receives the lower bolt C, on which it is firmly held by the nut c . The foot-rest may be adjusted vertically on the bolt C, owing to plurality of the holes e .
 10 The foot-rest is of a length to project beyond the pedestal, at both sides thereof, and has roughened concave surfaces $e' e'$ in its upper edge to receive the feet.

The pedestals A will in practice be cast in
 15 minimum and maximum lengths, and the adjustment of the seat-bracket and foot-rest will provide for scholars of intermediate height.

Having described my invention, what I
 20 claim is—

1. A combined school desk and seat comprising, a desk-supporting pedestal, a seat having a vertically-adjustable supporting-bracket, a bolt extending through the pedestal and securing said bracket thereto and a
 25 foot-rest mounted on the opposite end of said bolt; whereby the bolt performs a twofold function, substantially as set forth.

2. A combined school desk and seat comprising, a desk-supporting pedestal, a seat having a vertically-adjustable supporting-bracket, a bolt extending through the pedestal and securing said bracket thereto, and a
 30 vertically-adjustable foot-rest mounted adjustably, at its middle, on the opposite end of said seat-adjusting bolt, substantially as set forth.

3. A combined school desk and seat comprising, a desk-supporting pedestal provided
 40 with a vertical series of transverse apertures, a seat having a vertically-adjustable supporting-bracket, bolts passed through said bracket and certain of the pedestal-apertures, and a foot-rest provided at its middle with vertically-alined, transverse apertures, through one
 45 of which one of said transverse bolts passes, substantially as set forth.

4. The combination with the desk-supporting pedestal, of a foot-rest E comprising a
 50 plate provided with bolt-apertures $e e$ at its middle, and having foot-engaging portions $e' e'$ on its upper edge, and a bolt for securing the foot-rest to the pedestal through an aperture e , substantially as set forth.

55 5. The combination with a seat-supporting arm having a longitudinal groove in its upper face, of a seat having a grooved plate on its

lower face sliding on said arm, a locking device carried by the grooved plate to engage the groove in the seat-supporting arm, and an
 60 operating screw or rod extending through the seat to the locking device for operating the same, substantially as described.

6. The combination with a seat-supporting arm having a groove in its upper face provided with a serrated wall, of a seat provided
 65 on its under face with a plate grooved to receive and slide on the said arm, and a locking-dog carried by the seat-plate and means for operating said dog to engage the said serrated wall, substantially as described. 70

7. The combination with the seat-supporting arm having a longitudinal groove in its upper face, of a seat having a plate on its under side grooved to fit and slide on said arm,
 75 two dogs depending into the seat-plate groove and entering the groove in the seat-supporting arm, one of said dogs being adapted to engage the seat-supporting arm and lock the seat in its adjusted position thereon, a dog-
 80 operating screw extending through the seat, and a nut in the seat through which the screw passes to the upper end of the dog, substantially as described.

8. The herein-described school desk and
 85 seat, comprising a pedestal, a desk on the upper end thereof, a vertically-adjustable bracket secured to the front of the pedestal, a vertically-swinging seat-supporting arm pivoted to said bracket, a seat having a plate
 90 grooved on its under side to fit and slide on said arm toward and from the next desk in advance, and devices for locking the seat-plate to the supporting-arm when properly adjusted, substantially as described. 95

9. The combination with the seat-supporting arm having a longitudinal groove in its upper face, of the seat-plate having a grooved under face fitting and sliding on the seat-supporting arm, dogs depending through an
 100 opening in the seat-plate into the groove in the seat-supporting arm, a spring between the upper ends of the dogs, and a transverse bolt adapted to engage the upper end of one dog and force the lower end outwardly into locking engagement with one wall of the groove in the seat-supporting arm, and a nut through which said bolt passes, substantially as described. 105

ALBON C. DAVIS.

Witnesses:

C. H. MERRIMAN,
 T. J. HEFNER.