

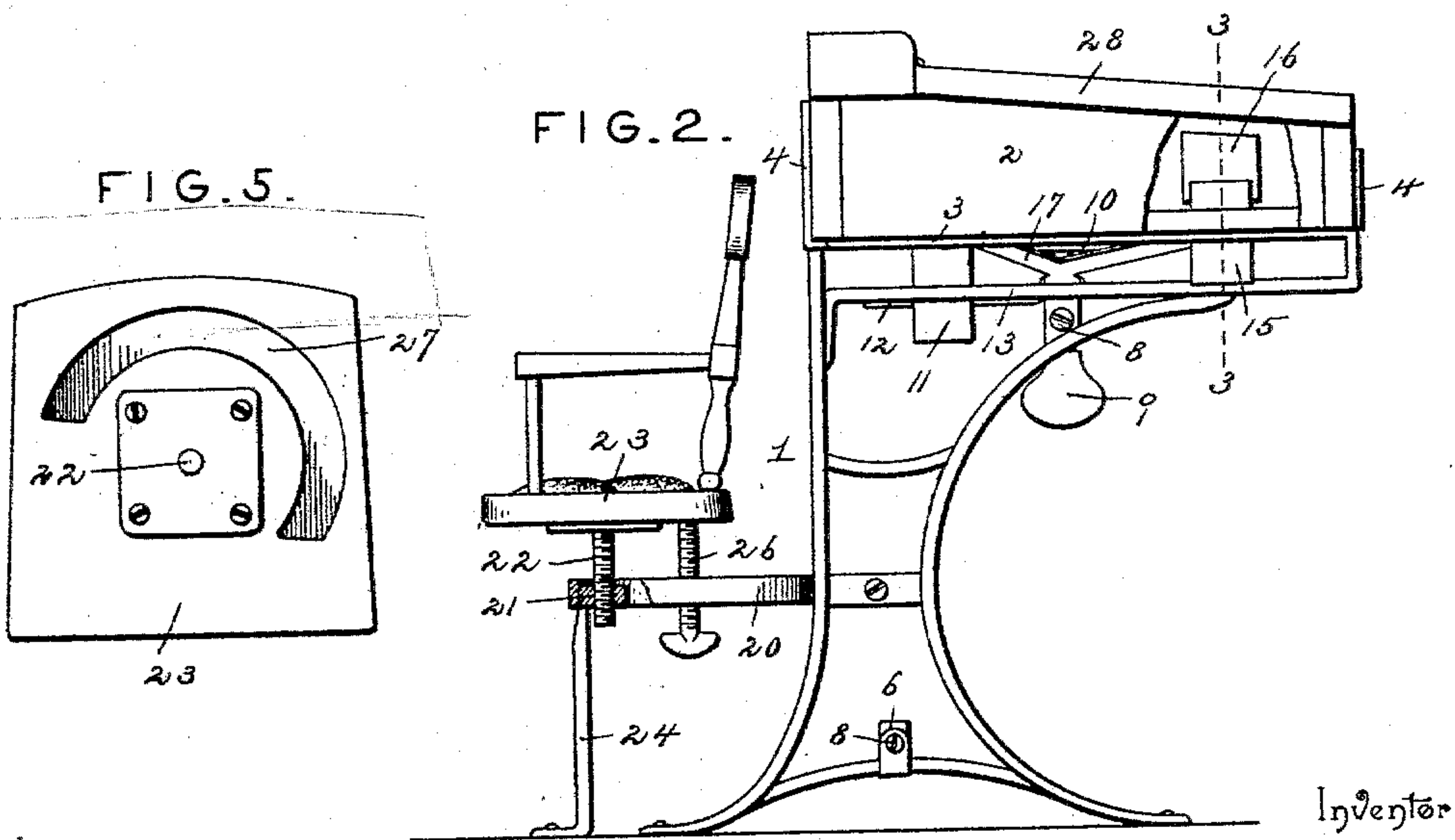
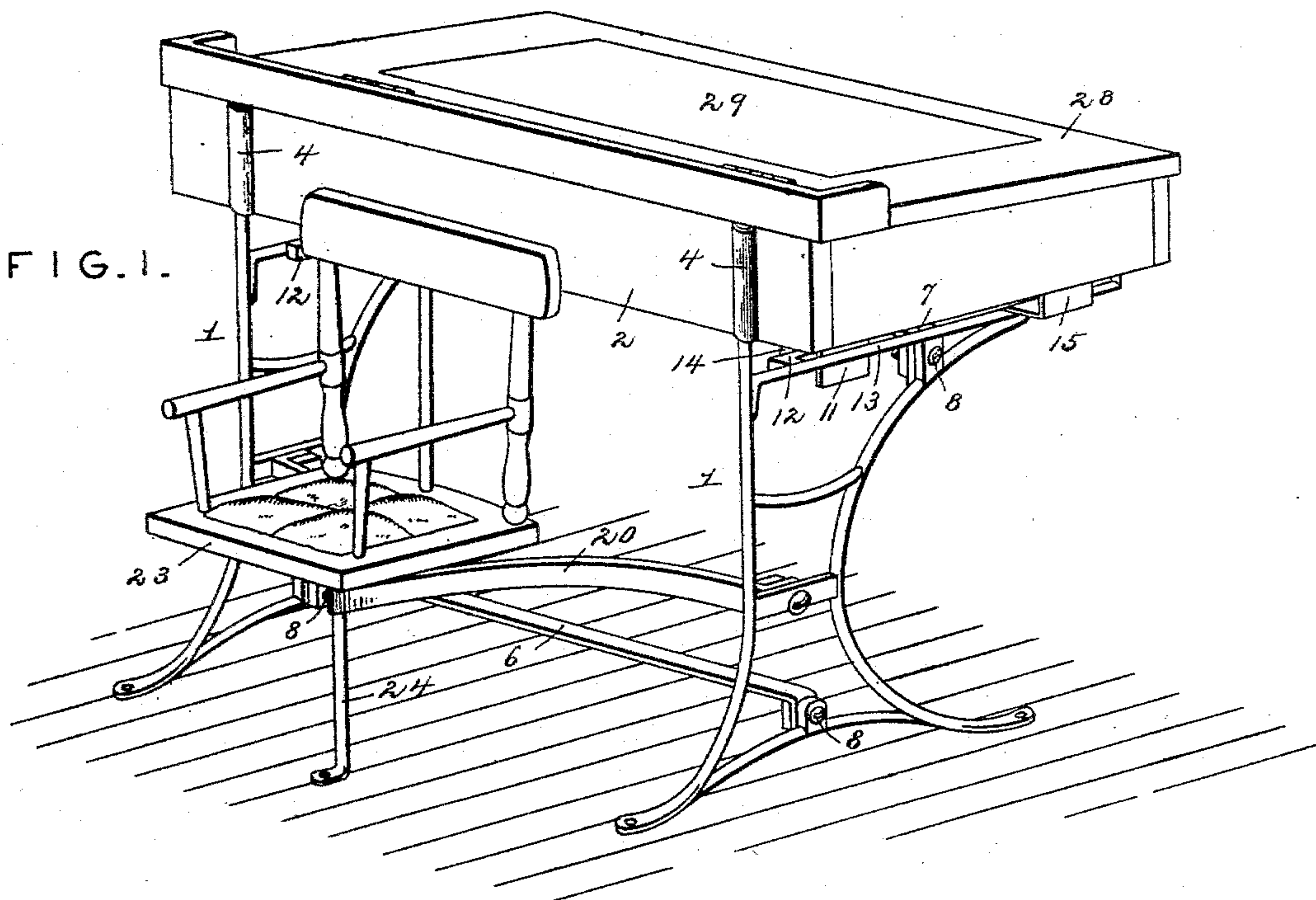
(No Model.)

2 Sheets—Sheet 1.

W. T. DODD.
DESK.

No. 571,652.

Patented Nov. 17, 1896.



Inventor

William T. Dodd.

Witnesses

Harry L. Ames.

By his Attorneys.

[Signature]

Chas. H. Snow & Co.

(No Model.)

2 Sheets—Sheet 2.

W. T. DODD.
DESK.

No. 571,652.

Patented Nov. 17, 1896.

FIG. 3.

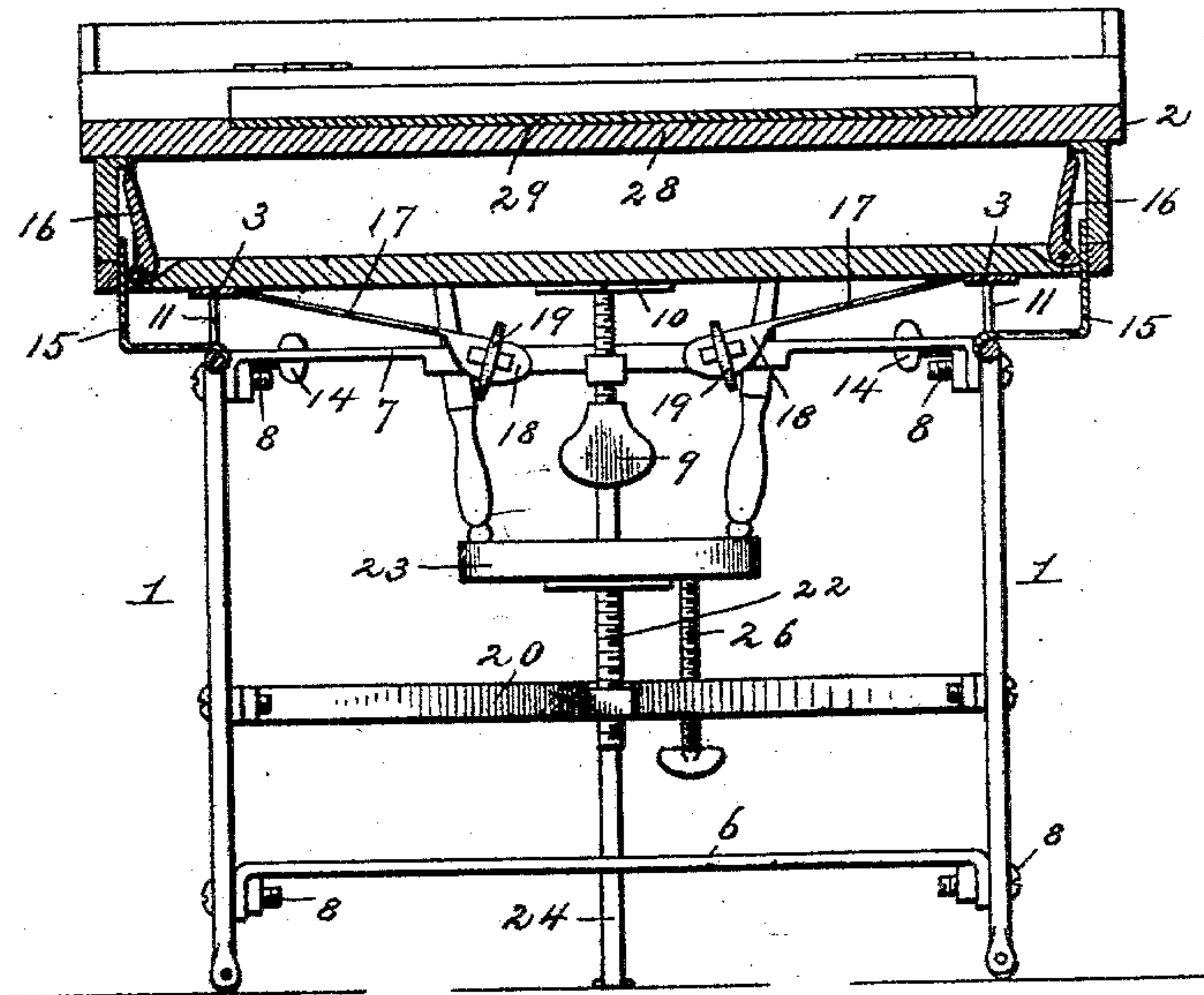
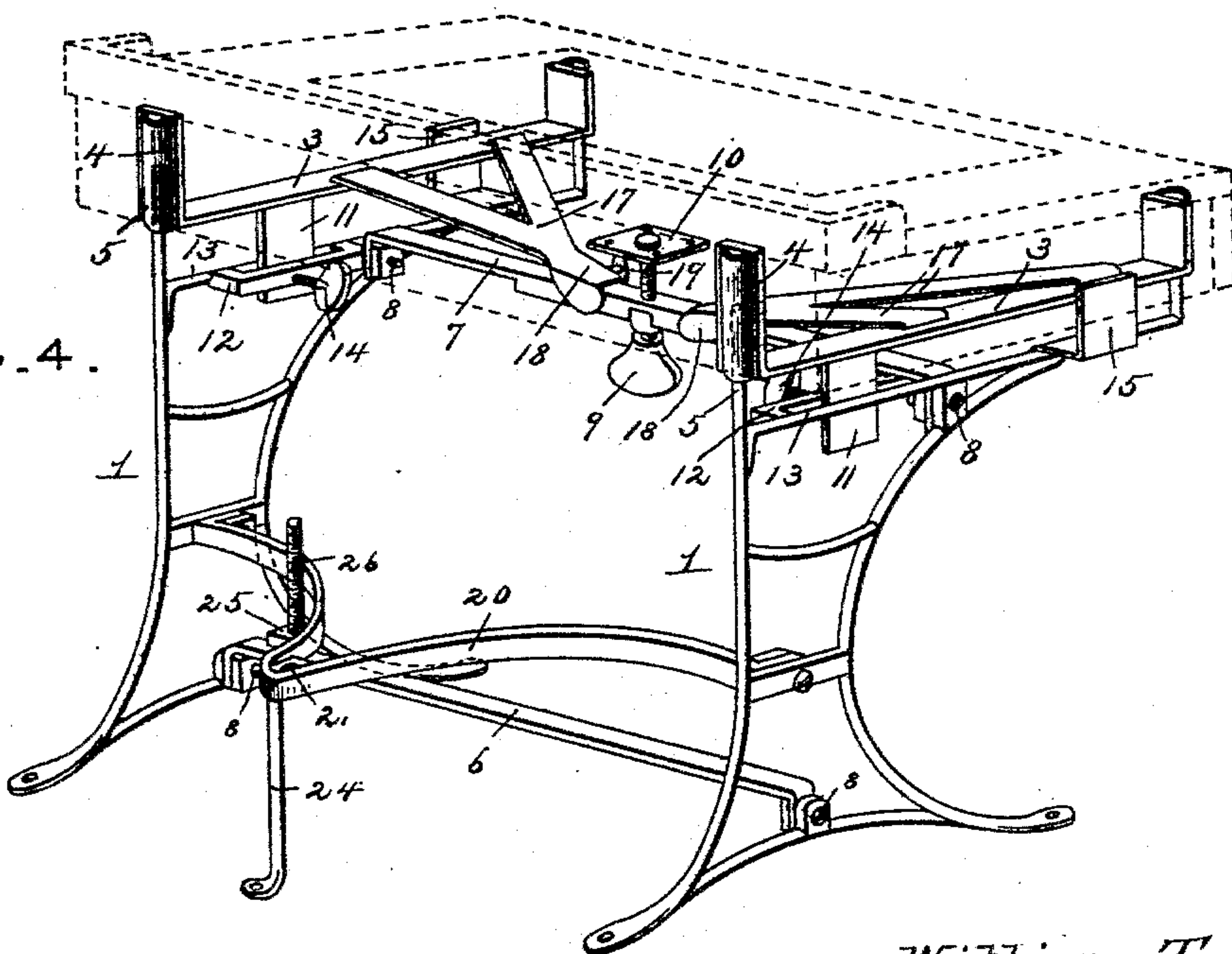


FIG. 4.



Inventor

William T. Dodd.

Witnesses

Harry L. Amer.

By His Attorneys.

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

WILLIAM T. DODD, OF PRESCOTT, WASHINGTON.

DESK.

SPECIFICATION forming part of Letters Patent No. 571,652, dated November 17, 1896.

Application filed June 15, 1894. Serial No. 514,673. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. DODD, a citizen of the United States, residing at Prescott, in the county of Walla Walla and State of Washington, have invented a new and useful Desk, of which the following is a specification.

My invention relates to school desks and seats, and has for its object to provide simple and efficient means for adjusting the desk vertically to suit pupils of different sizes and to provide means for locking the parts in their adjusted positions to prevent vibration.

Further objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a desk and seat embodying my invention. Fig. 2 is a side view, partly broken away, of the same. Fig. 3 is a longitudinal section on the line 3 3 of Fig. 2. Fig. 4 is a perspective view with the seat removed and the desk-top shown in dotted lines. Fig. 5 is a bottom plan view of the seat.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

1 represents the end uprights or castings, which may be of any preferred ornamental construction.

2 represents the desk-top, to the under side of which are secured the transverse straps 3, terminating at the front and rear sides of the desk in vertical sockets 4, and 5 represents vertical pins, preferably formed integral with the uprights or castings and fitting in said sockets. The length of the pins and of the sockets is such as to permit of vertical adjustment of the desk-top without disengagement of the sockets from the pins.

The uprights or castings are connected near their lower ends by a longitudinal foot-rest 6 and near their upper ends by a parallel connecting-bar 7, both of which are secured by means of bolts 8 to the end castings. The upper connecting-bar is provided at its center with an adjusting-screw 9, the upper extremity of which bears against a plate 10, secured to the under side of the desk-body, whereby the latter may be adjusted vertically by the manipulation of the screw.

Depending from the straps 3 near their rear ends are ears 11, which fit slidably in keepers 12, formed in the upper bars 13 of the castings, said keepers being provided with set-screws 14 to engage said ears and lock the latter at any desired adjustment, and projecting upward from said bars 13 of the castings near the front of the body portion are similar ears 15, which pass through openings near the ends of the body portion of the desk and are adapted to be engaged within the latter by means of cam-clamps 16 or similar securing devices.

Pivotally connected at their outer ends to the straps 3 are the bifurcated braces 17, which extend inward toward the center of the connecting-bar between the castings and are provided at their inner ends with clamps 18, provided with set-screws 19, said clamps being adapted to fit over the said connecting-bar and the set-screws to engage the side of the latter to secure the inner ends of the braces to the bar.

It will be seen from the above description that to adjust the body portion of the desk vertically the various set-screws and clamps are loosened, after which the adjusting-screw carried by the connecting-bar between the castings is manipulated, and subsequently said set-screws and clamps are again tightened to lock the parts at the new adjustment and prevent vibration of the desk body or top.

Projecting forwardly from the end castings is a substantially V-shaped support 20, provided at its apex with a threaded opening 21 for the reception of a threaded stem 22, depending from the under side of the seat 23, the apex of the support being further provided with a vertical standard 24. Fitted in an ear 25 on an adjacent portion of the support is a limiting-screw 26, the upper end of which is adapted to extend into a segmental groove 27, formed in the under side of the seat concentric with the central depending screw thereof. From this description it will be seen that when the limiting-screw is withdrawn from engagement with the segmental groove in the under side of the seat the latter may be turned to accomplish any desired vertical adjustment, and that when the desired adjustment is attained the limiting-screw may be again engaged with said segmental

groove, when the seat is held from complete rotary movement and is limited to a swinging movement to facilitate the seating and rising of the pupil. Fitted snugly in a countersunk portion or recess in the upper surface of the desk-lid 28 with its upper surface flush with that of said lid is a slate 29, whereby rattling and breaking of the slate is prevented.

From the above description it will be seen that the parts of the improved desk are capable of easy vertical adjustment to suit the height of the pupil, and that when the parts are properly adjusted and locked they are held from vibration, rattling, &c.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit of this invention or sacrificing any of the advantages thereof.

It will be understood, furthermore, that the construction of the desk, substantially as above described, may be adapted for office purposes, in which case of course the chair attachment will be omitted.

Having described my invention, what I claim is—

1. In a school-desk, the combination of end uprights provided with vertical front and rear guide-pins, a desk-top adapted to fit between said guide-pins above the plane of the upper ends of the uprights, transverse bars secured to the under side of the desk-top near its ends and terminating in front and in rear thereof in vertical sockets to receive the vertical guide-pins, a single adjusting-screw threaded in a bar connecting the upper ends of the uprights and engaging the lower surface of the desk-top, ears 11 depending from the transverse bars and fitting in keepers 12

on the said uprights, and set-screws on the uprights for engaging said ears and locking the desk-top at the desired vertical adjustment, substantially as specified.

2. The combination with end uprights, an upper connecting-bar between said uprights, a desk-top, guiding connections between the uprights and the desk-top, adjusting means for varying the elevation of the desk-top, and locking devices for securing the desk-top at the desired adjustment, of braces pivotally connected at their outer ends to the under side of the desk-top and slidably fitted at their inner ends upon the said connecting-bar adjacent to its center and means for locking the inner ends of the braces at the desired point to the said bar, substantially as specified.

3. The combination with end uprights, an upper connecting-bar between said uprights, a desk-top fitting slidably between guiding-pins on the uprights, and an adjusting-screw for varying the elevation of the desk-top, of ears depending from the desk-top and fitting in keepers on the uprights, set-screws for locking said ears in the keepers, upstanding ears on the uprights fitting in guide-openings in the desk-top, and cam-clamps 16 mounted upon the desk-top and engaging said upstanding ears to lock the desk-top at the desired vertical adjustment, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM T. DODD.

Witnesses:

J. A. JOHNSON,
N. MCSHERRY.