

(No Model.)

A. B. IRVIN.

COMBINED ADJUSTABLE DESK AND SEAT.

No. 334,171.

Patented Jan. 12, 1886.

Fig. 1.

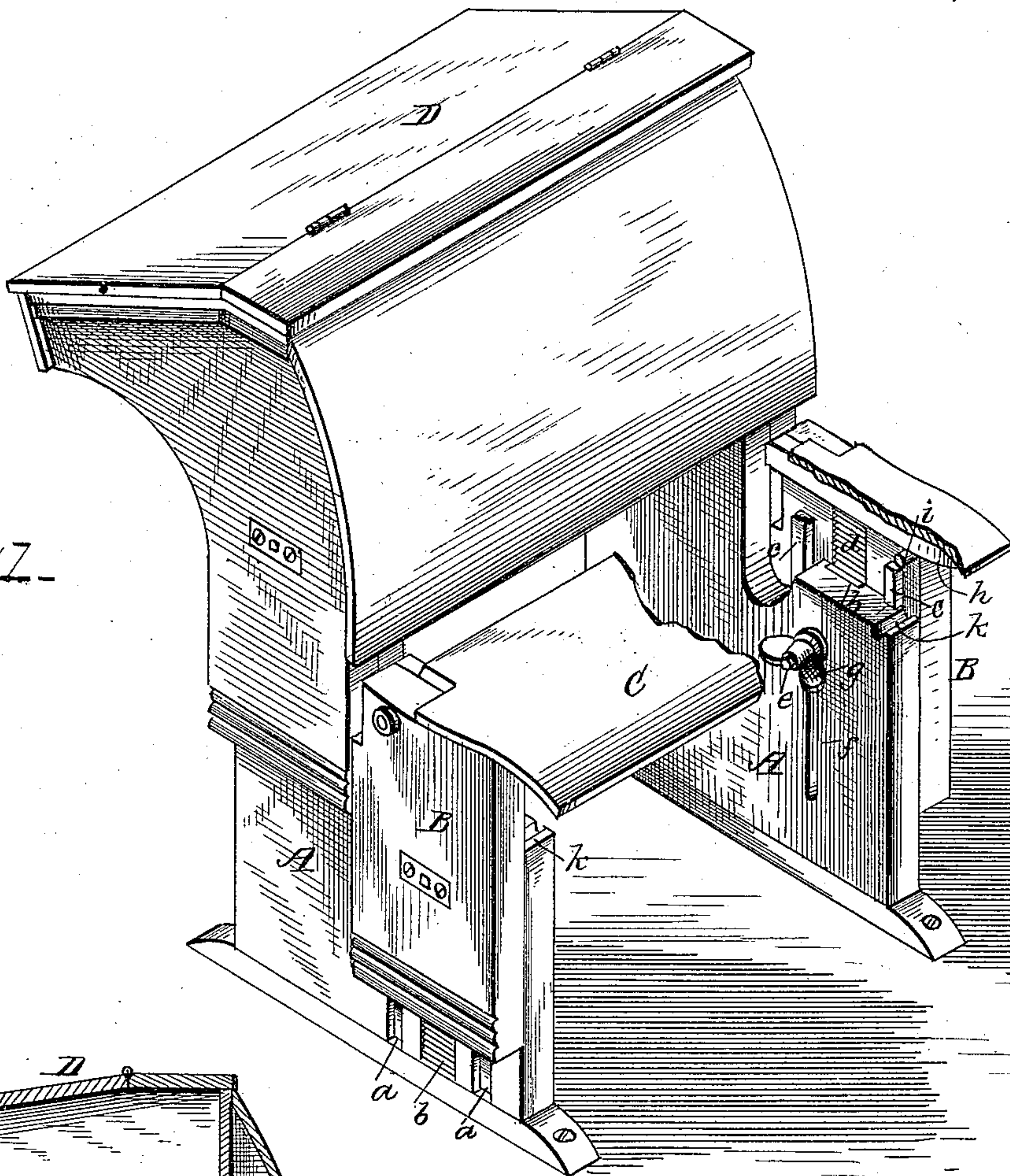


Fig. 2.

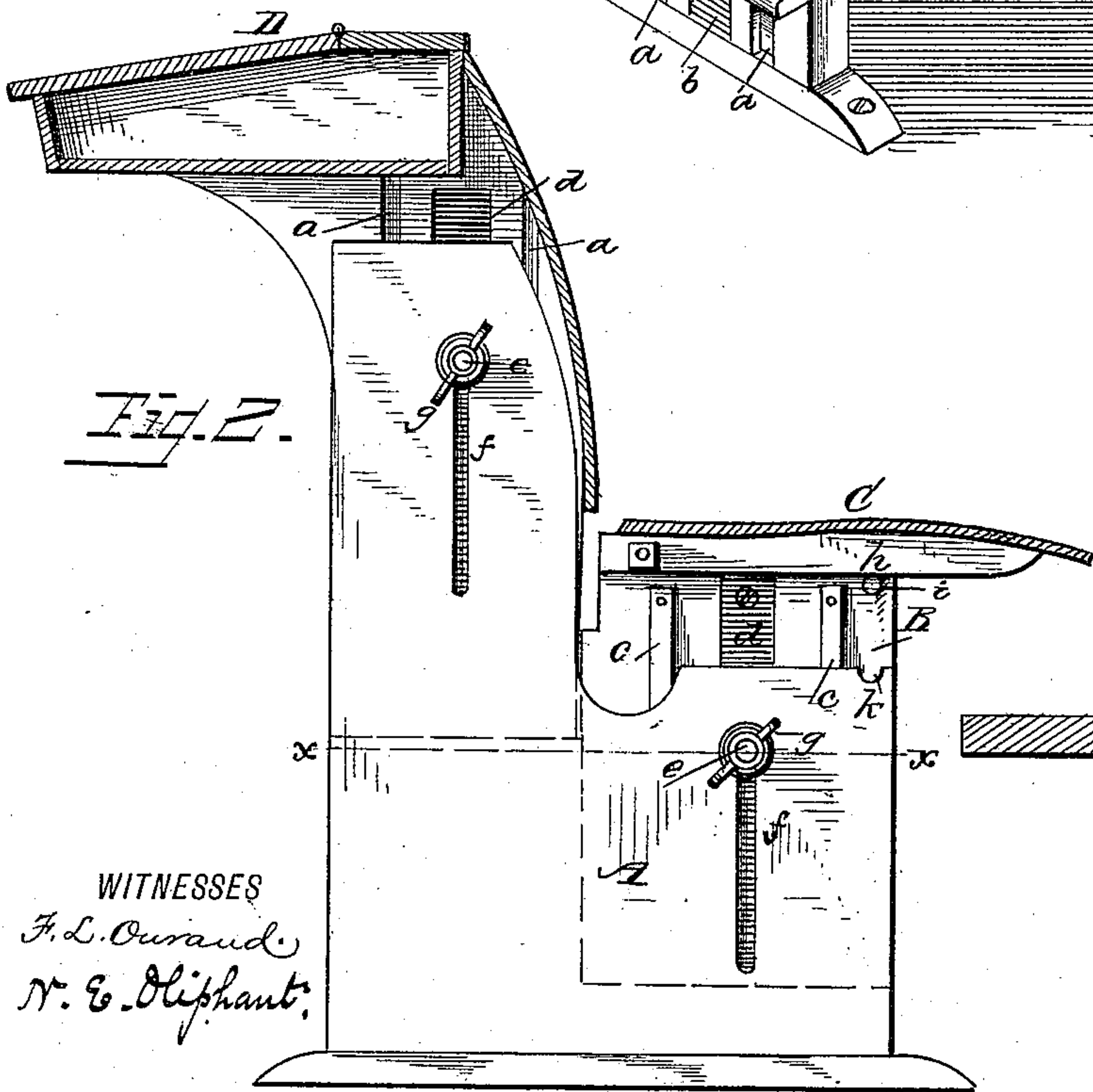
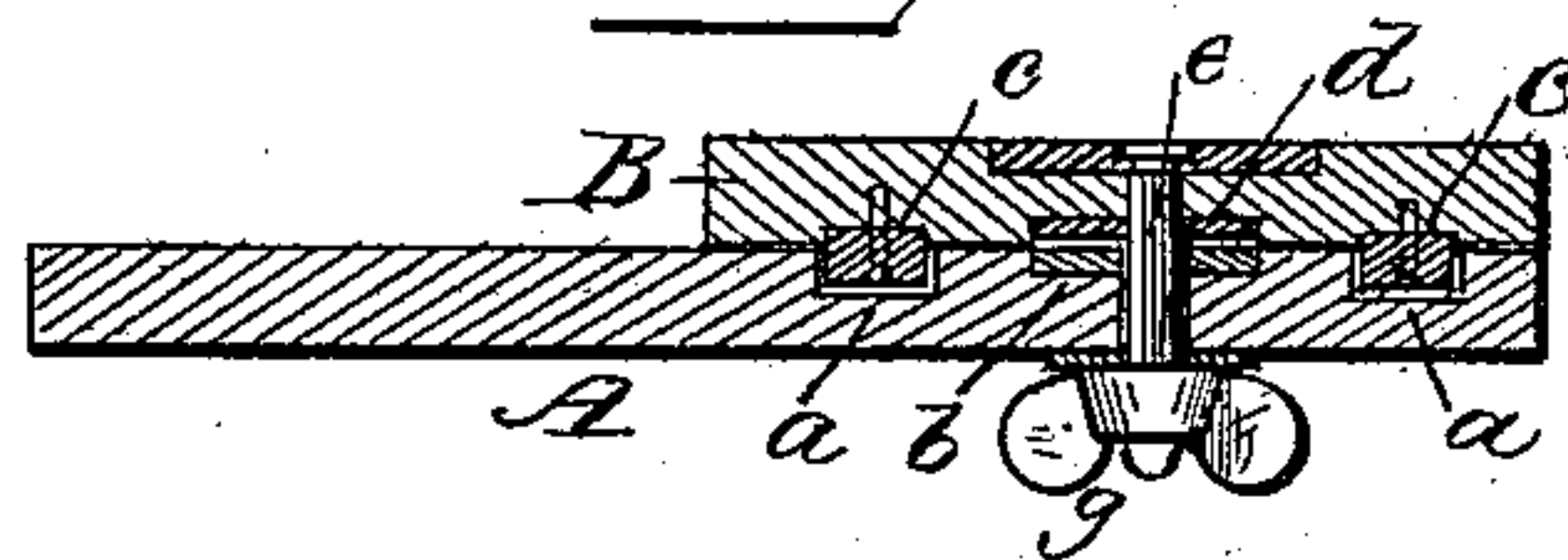


Fig. 3.



WITNESSES
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COMBINED ADJUSTABLE DESK AND SEAT.

SPECIFICATION forming part of Letters Patent No. 334,171, dated January 12, 1886.

Application filed November 10, 1883. Serial No. 111,444. (No model.)

To all whom it may concern:

Be it known that I, ANDY B. IRVIN, a citizen of the United States, residing at Twelve Mile, in the county of Cass and State of Indiana, have invented certain new and useful Improvements in Combined Adjustable Desks and Seats; 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, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view of my invention; Fig. 2, a cross-section of the same; and Fig. 3, a horizontal section through line *xx*, Fig. 2.

This invention relates to certain new and useful improvements in that class of combined desks and seats usually employed in furnishing school-rooms, and which are so constructed as to be adjustable in order to accommodate scholars of various heights.

Previous to my invention it was common to provide the standard with ratchet-teeth, also the supports of the seat and desk with correspondingly-formed teeth to engage with the teeth on the standard, and when the seat and desk were adjusted to the proper height held in their adjusted position by clamping-nuts engaging with the screw-threaded ends of bolts which extended through elongated slots in the ratchet or other portions of the seat and desk, thus holding the ratchet-teeth of the supports in engagement with the teeth on the standard.

It is the object of the present invention to improve the construction of the above class of school-desks; and it consists in providing ribs and grooves arranged upon each side of the ratchet or serrated plates to form guides for the supports when vertically adjusting the desk or seat, as will be hereinafter more fully described and claimed.

In the drawings, A represents upright standards, adapted to be secured to a floor in any convenient manner. The front portions of these standards extend up only about one-half the entire height, and are provided upon their outer face with grooves *a* and a serrated plate, *b*, the former of which engage ribs *c*, and the

latter a similar plate, *d*, upon the inner face of supports B, to which is pivotally secured a seat, C, rendered vertically adjustable by bolts *e*, rigidly connected to said supports and working in slots *f*, formed in the front portion of the upright standards and in the serrated plates secured thereto, clamping-nuts *g* serving to retain the supports in the position to which it is adjusted.

When the seat C is in its normal position, its braces *h* rest upon the upper surface or edges of the standards' shorter or front portion; but when the adjustable supports are raised the braces of said seat rest upon stops *i*, secured to said supports.

Grooves *k* in the top edges of the standards A are formed to receive the stops *i*, so that they will be flush with the edge of the standard, and thus allow the braces *h* to rest upon the entire surface of that portion of the standards A intended for their support when the seat is lowered its greatest extent, thereby providing a much stronger and firmer seat, as both the standards A and supports B form together a wide bearing for the braces *h*.

The rear or higher portion of the upright standards A have adjustably secured to them a desk, D, in a manner similar to that already described for the seat.

Although I have shown the grooves *a* as formed on the standards and the ribs *c* on the supports of the seats, it is evident that the grooves may be on the supports and the ribs on the standards, as it is not essential to the practical operation of my invention that the position of said grooves and ribs be arranged as shown, and I therefore reserve the right to make such change in their location as circumstances require, the principal object of the grooves and ribs being to prevent lateral displacement of the supports of both seat and desk, as well as to form guides when moved vertically in adjusting their heights.

The bolts and nuts, when the seat or desk is properly adjusted, serve to draw the supports inwardly against the standards, so as to cause the serrated plates to engage with each other, and thus firmly hold said supports stationary at the desired height.

Having now fully described my invention,

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

1. In a combined seat and desk, the standard thereof having its front portion extending
5 up only about one-half its entire height, said standard having serrated plates, grooves upon each side thereof, and elongated slots, in combination with the desk and seat provided with serrated plates to engage with those upon the
10 standards, ribs to engage with the grooves, and bolts extending through the slots and having clamping-nuts thereon, substantially as and for the purpose set forth.

2. In a combined seat and desk, the standard
15 ards thereof having their front portion of less height than the rear portion and having grooves

on their upper edge, in combination with the seat provided with braces upon its under side, and also stops, and the means for adjusting the seat and desk, consisting of serrated plates, 20 vertical grooves and ribs fitting therein, elongated slots, and bolts extending through them and provided with clamping-nuts, substantially as and for the purpose specified.

In testimony that I claim the above I have 25 hereunto subscribed my name in the presence of two witnesses.

ANDY B. IRVIN.

Witnesses:

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JAMES M. FARIS.