

J. P. PIES.
School-Desk.

No. 204,082.

Patented May 21, 1878.

Fig. 1.

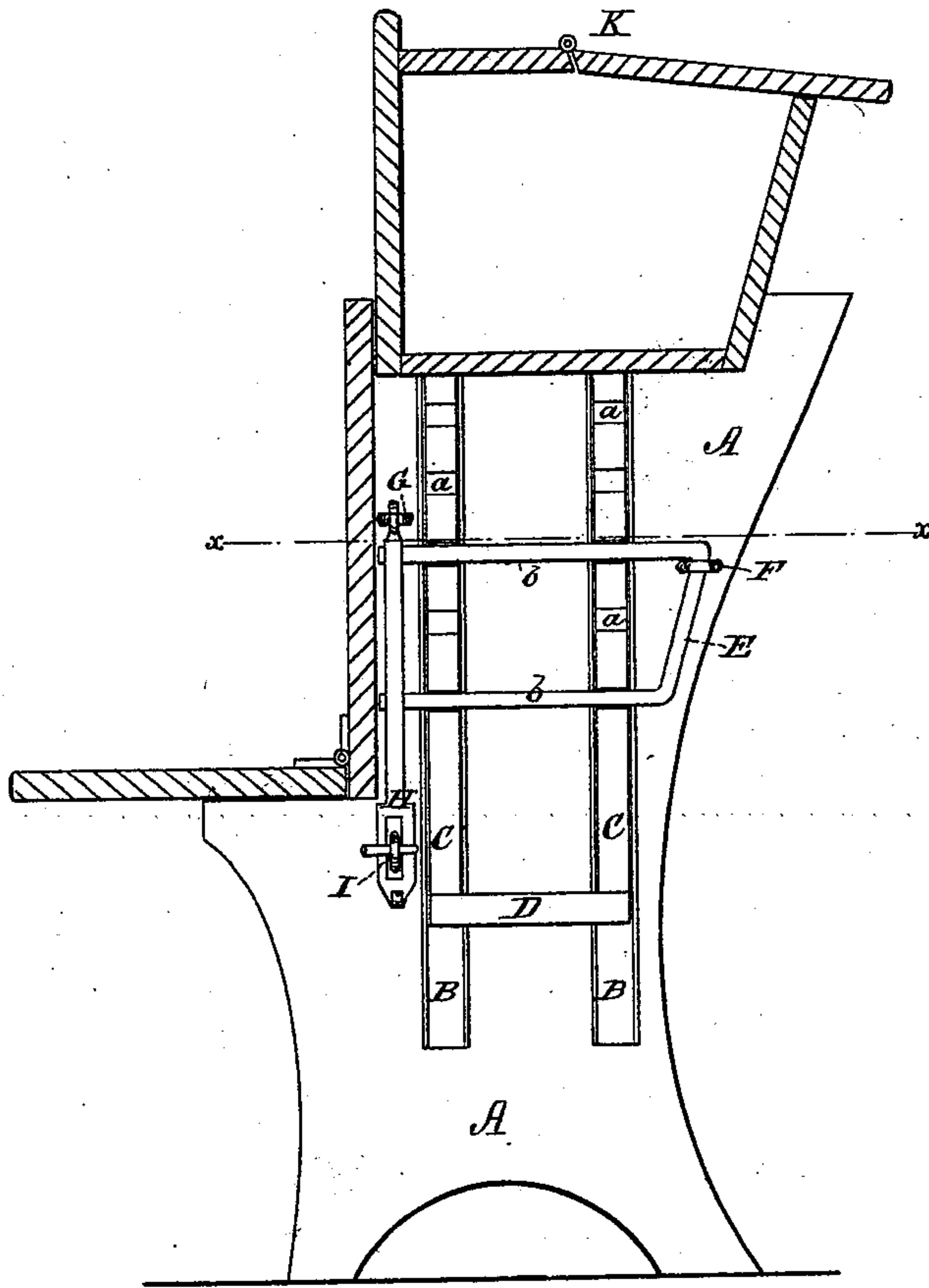
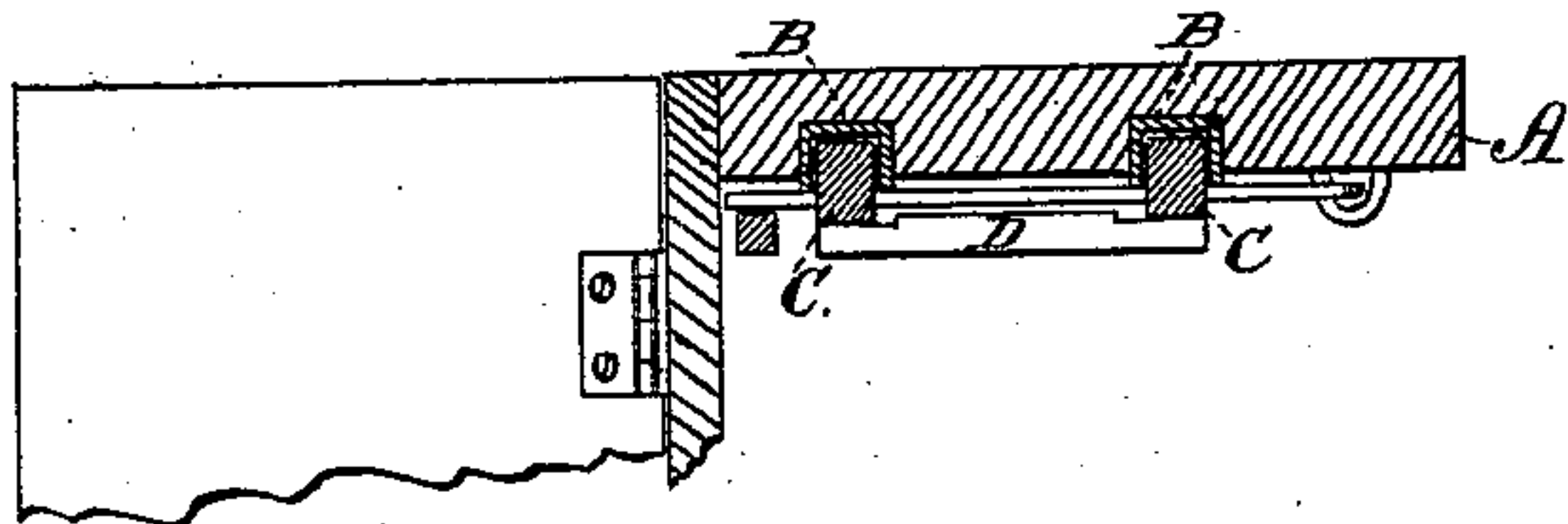


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN P. PIES, OF SPADES, INDIANA.

IMPROVEMENT IN SCHOOL-DESKS.

Specification forming part of Letters Patent No. **204,082**, dated May 21, 1878; application filed October 2, 1877.

To all whom it may concern:

Be it known that I, JOHN P. PIES, of Spades, in the county of Ripley and State of Indiana, have invented a new and useful Improvement in School-Desks; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to that class of school-desks which are so made as to be raised or lowered at will.

The invention consists in the means for securing the desk at any desired height, as hereinafter described.

In the accompanying drawing, forming part of this specification, Figure 1 represents a vertical cross-section of my desk, and Fig. 2 a horizontal section through the line *x x*.

A represents one of the standards, having either formed therein or attached thereto in any convenient manner the guides B B, in which move the slides C, attached at their upper ends to the body of the desk, and having their lower ends connected by a cross-bar, D. These slides have notches *a a* at intervals, which receive the cross-bars *b b* of the yoke E, secured by a staple, F, to one side of the standard A. These cross-bars also fit into notches cut in the guides B. On the opposite side of the standard, and secured thereto by a staple at G, is a bar, H, having its lower end broadened out and slotted to pass over an-

other staple, I, after the manner of a gate-hasp, where it is secured by a pin passing through the staple. This bar G passes over the ends of the yoke, so as to firmly secure it in place in the notches *a a* of the slides C C, and by this manner the desk may be firmly held in any position.

Should it be desired to raise or lower the desk, all that is necessary to do is to raise the bar G so as to clear the ends of the yoke E, when the latter can be moved from the notches in the slides, and the desk raised or lowered at will. By replacing the yoke E and bar G the desk is firmly secured at the desired height.

In place of the staple F and bar G, any other convenient devices may be adopted for securing the yoke E.

The top of the desk is hinged at K, in order that it may be raised to make more room between the body of the desk and the back of the next one, that the scholar may have more space to move in when standing.

What I claim as new is—

The combination of the guides B, slides C, yoke E, and bar H, all constructed and arranged substantially as set forth.

JOHN P. PIES.

Witnesses:

AUGUST E. TRAUKE,
JACOB HORNUNG.