

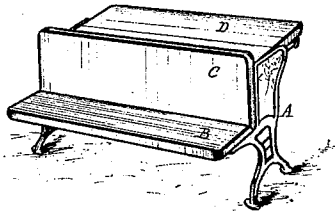
*A. S. Yorse,*

*School Desk.*

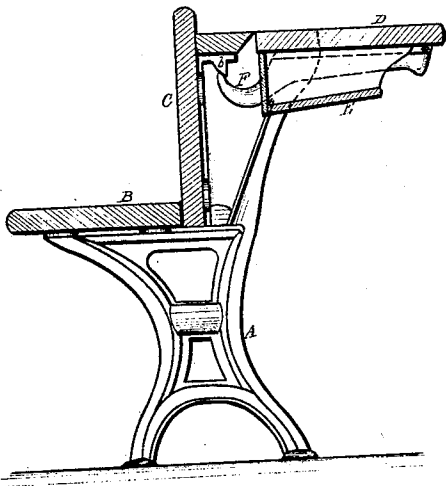
*No. 97,005.*

*Patented Nov. 16. 1869.*

*Fig: 1*



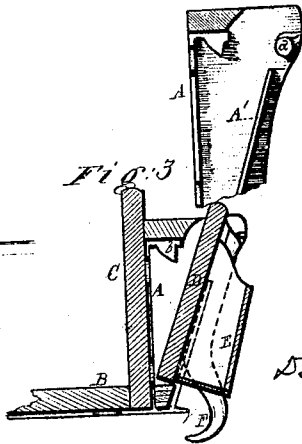
*Fig: 2.*



*Fig: 5*



*Fig: 4*



*Witnesses.*  
*Edw. C. C. C.*  
*A. Ruppert.*

*A. S. Yorse*  
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*Attys*

# United States Patent Office.

A. S. VORSE, OF DES MOINES, IOWA.

Letters Patent No. 97,005, dated November 16, 1869.

## IMPROVED SCHOOL-DESK.

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, A. S. VORSE, of Des Moines, in the county of Polk, and State of Iowa, have invented new and useful Improvements in School-Desks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved desk.

Figure 2 is a sectional elevation of the desk, showing the writing-table elevated, and the means for keeping the same in contact with the fixed portion of the desk.

Figure 3 is a sectional elevation, showing the writing-table closed down upon the fixed part, and the receptacle for the reception of books, papers, and other articles.

Figure 4 is an inside view of a portion of the end of the desk, showing the pin upon which the table turns, and the projection upon which the hooked bar rests.

Figure 5 is a perspective view of a bar of metal, which is secured to the under side of the table, for securing the same in position.

Corresponding letters refer to corresponding parts in the several figures.

This invention relates to an improved school-desk; and

It consists in the construction, combination, and arrangement of its parts, as will be more fully described hereinafter.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A, in the drawings, represents the end frame of the desk; it is to be made of metal, and may be of the form shown in the drawings, or of any other approved construction, which will admit of its being provided with a plate, as shown in fig. 4, to which to attach the guide A', which is a strip of metal, cast upon or otherwise secured to the frame, and serves as a guide for the bar, shown in fig. 5, to work against as the table is being shifted in its position.

B represents a seat, which may be of wood, and secured to an arm projecting from the ends of the desk, as shown in figs. 1 and 2.

C represents the back to the seat of the desk, which may be of any approved form of construction, it being secured to the ends of the desk by screws, or in any other suitable manner.

D represents that portion of the desk which constitutes the writing-table, and which is made to fold down upon the fixed portion, as clearly shown in fig. 3.

E represents a receptacle for books, papers, and other articles, which is to be secured to the under or outer side of the writing-table, as shown in figs. 2 and 3 of the drawings.

F represents a bar of metal, which is to be secured to the back or lower side of the writing-table, its form of construction being shown in fig. 5, where it is shown as having upon its outer or upper end a socket for the reception of a pin, *a*, which projects inward from the ends of the desk.

The extreme opposite end of this bar is provided with a hook, which, when the writing-table portion of the desk is in position for use, engages with a projection, *b*, upon the ends of the desk, as shown in fig. 2, and thus insures the drawing together of the parts at their point of contact, so that in the event of ink being spilled upon the desk it will not run through such joint and injure the clothes of the pupil, the contact being more perfect the more the weight of the pupil rests upon the outer portion of the desk.

Just inside of the hook above referred to, this bar is provided with another socket, which, when the writing-table is in position for use, rests upon the pin *a*, and thus aids in producing the result above described.

The upper surface of this bar, or that portion which comes in contact with the writing-table, is provided with a flange, as shown at *c*, the outer edge of which passes along the edge of guide A', upon the ends of the desk, and thus insures the proper movement of the table as it is being raised to the position shown in fig. 2, or dropped to the one shown in fig. 3.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

The combination of the end frames A, having the guides A', and projections *a* and *b*, writing-table D, and levers F, substantially as and for the purpose set forth.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

A. S. VORSE.

Witnesses:

J. M. DORR,  
JAMES EMBREE