

A. A. WOMACK.

SCHOOL-DESK ENDS AND SEAT HINGES.

No. 185,415.

Patented Dec. 19, 1876.

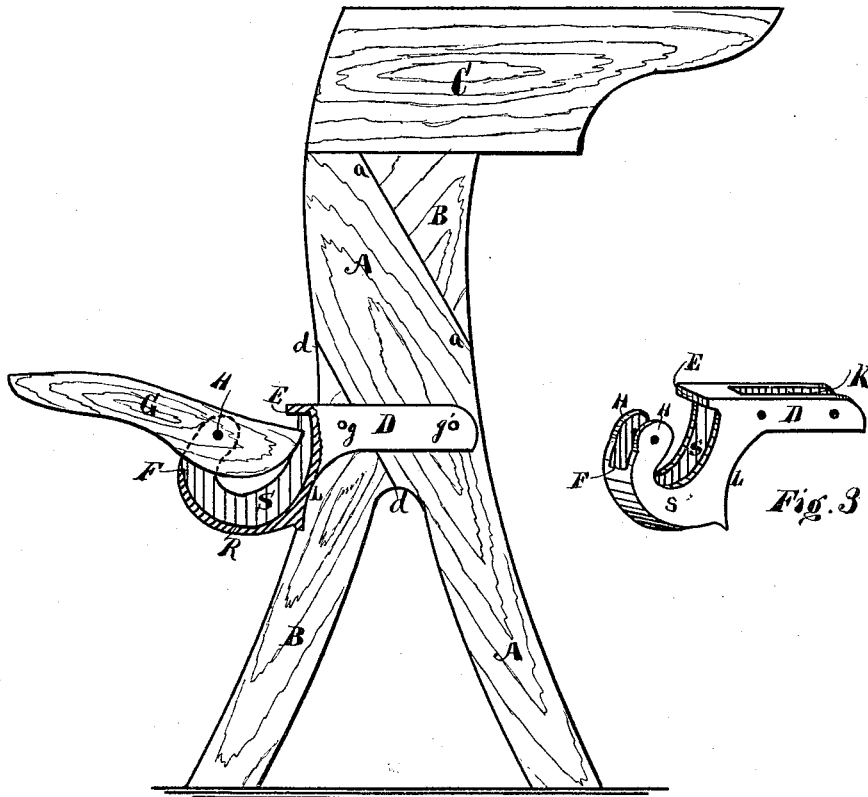


Fig. 1

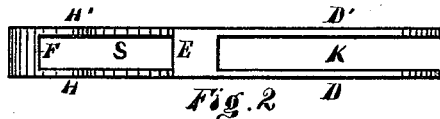


Fig. 2

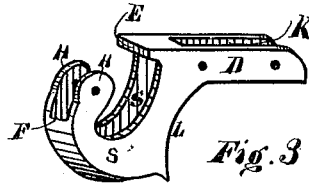


Fig. 3

Witnesses;
O. B. Whitney
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UNITED STATES PATENT OFFICE.

ARON A. WOMACK, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN SCHOOL-DESK ENDS AND SEAT-HINGES.

Specification forming part of Letters Patent No. 185,415, dated December 19, 1876; application filed September 19, 1876.

To all whom it may concern:

Be it known that I, ARON A. WOMACK, of Indianapolis, county of Marion, State of Indiana, have invented a new and useful Improvement in School-Desk Ends and Seat-Hinges, of which the following is a description, reference being had to the accompanying drawings.

My invention relates to the construction of school-desk end and hinge attachment for the seat; and my invention consists of forming the legs with the proper spread or curve at the foot, and at the same time have the grain of the wood run parallel with the legs to the top of the standard. The upper part of the front and rear legs are halved together, so as to form a stiff, firm, and durable standard, and to further unite the front and rear legs by a seat-supporting casting, which incloses the legs in a firm and substantial manner, and provides the seat with a simple and easy-working hinge, with good firm bearings, as will hereafter be more fully set forth and claimed.

Figure 1 represents an elevation of my improved school-desk standard and hinge. Fig. 2 is a top view of the hinge. Fig. 3 is a perspective view of the hinge, showing the arrangement of parts more fully.

A and B represent the rear and front legs of a school-desk standard. The legs are sawed with the proper curve to give a good base; but the curve given to each does not cross the grain. The upper ends of each leg A B are halved together, as shown in the drawings at *a a d d*, thus having their grain straight from the bottom to the top of each leg. The two legs are united together by means of glue or screws, and are provided with the bracket C, in the ordinary manner.

The seat-iron (shown in Figs. 2 and 3) is formed with two wings, D D', having a space, *k*, between them, in which is inserted the standards A B, as shown in Fig. 1, and secured by means of screws *g g'*. The front of the hinge-casting D D' is formed with a

curved projection, S S, to support the seat-arm G. The sides S of the curved projection are united at the bottom by a web, R, the front edge of which, as at F, forms the front bearing of the seat-arm G. The rear end of arm G comes in contact with the projecting lip E of the casting, and thus forms a strong and simple support for the arm G, which is pivoted between the sides S S at H H', as shown in Fig. 1. The part marked L of the seat-arm casting forms a bearing against the front edge of the legs B, and gives great strength to the seat.

I am aware that sawed legs having the grain running straight have been used before, and that sawed legs have been united in the center of the body of the standard, with the grain running with the leg, and to such devices I make no claim.

What I claim as new, and wish to secure by Letters Patent, is—

1. The sawed legs A B, halved together, as shown, and further strengthened by the seat-arm casting, provided with the arms D D', one on each side of the legs, in the manner and for the purposes set forth and described.

2. The seat-arm-supporting casting formed with side arms D D' to embrace the standards A B, and curved projections S S', web R, double hinge-bearings H H', and bracket-supporting side L, constructed and arranged to be operated in the manner set forth and described.

3. The seat-arm-supporting casting provided with projecting lip E and edge F of web R, arranged to support the seat-arm G, in the manner set forth and described.

4. The sawed legs A B, halved together, in the manner set forth and described.

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

ARON A. WOMACK.

Witnesses:

E. O. FRINK,
E. C. WHITNEY.