

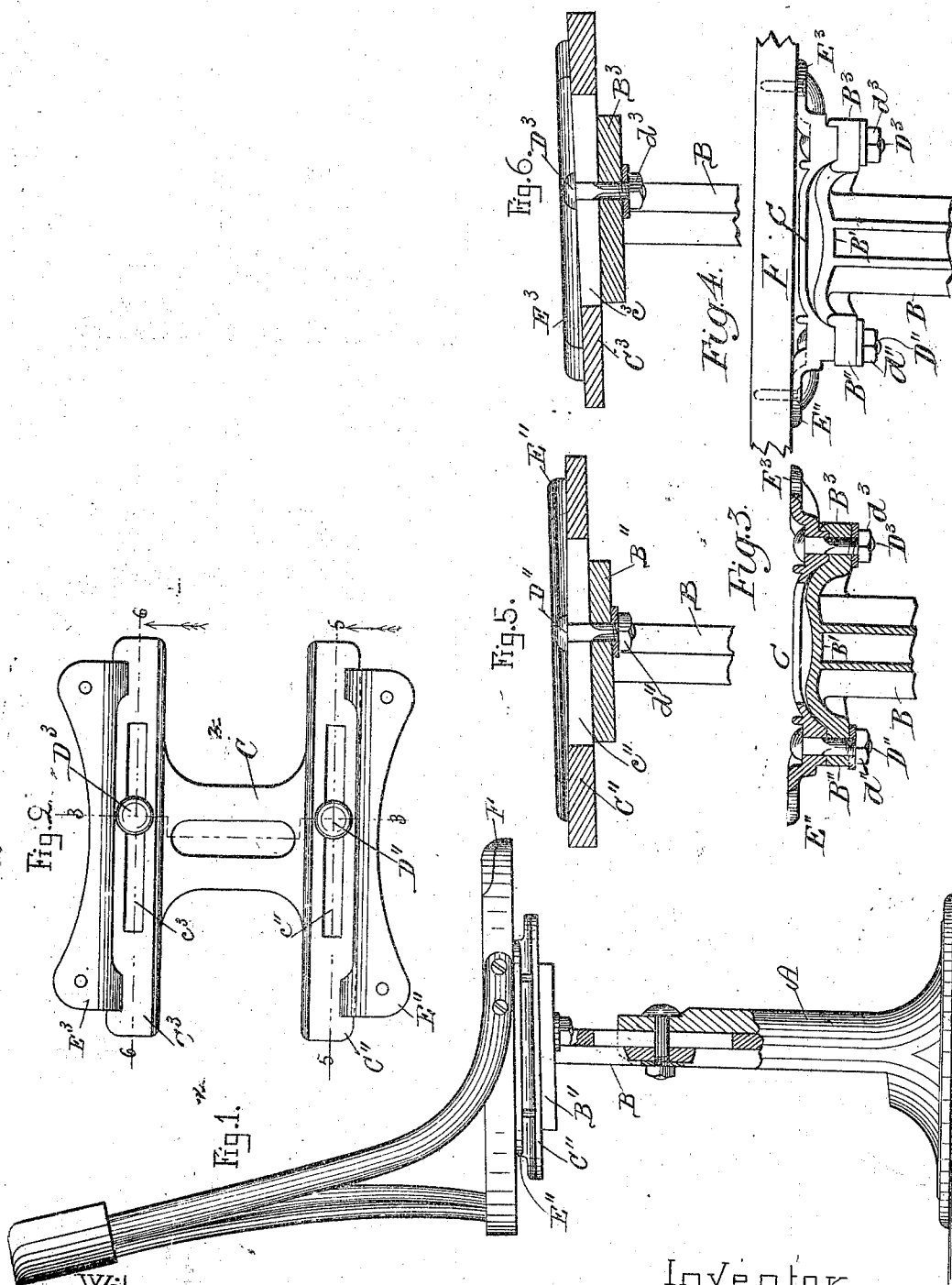
(No Model.)

J. H. BUTLER.

ADJUSTABLE SUPPORT FOR SCHOOL FURNITURE.

No. 577,594.

Patented Feb. 23, 1897.



Witnesses.

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UNITED STATES PATENT OFFICE.

JAMES H. BUTLER, OF SOMERVILLE, MASSACHUSETTS.

ADJUSTABLE SUPPORT FOR SCHOOL FURNITURE.

SPECIFICATION forming part of Letters Patent No. 577,594, dated February 23, 1897.

Application filed June 29, 1896. Serial No. 597,345. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. BUTLER, a citizen of the United States, and a resident of Somerville, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Adjustable Supports for School Furniture, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to improvements in adjustable supports for school furniture, and it is carried out as follows, reference being had to the accompanying drawings, wherein—

Figure 1 represents a side elevation of the invention as applied to a school chair or seat. Fig. 2 represents a top plan view showing the seat removed. Fig. 3 represents a cross-section on the line 3 3, shown in Fig. 2. Fig. 4 represents an end view of Fig. 2. Fig. 5 represents a cross-section on the line 5 5, shown in Fig. 2; and Fig. 6 represents a similar cross-section on the line 6 6, also shown in Fig. 2.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

A represents the base portion, adapted to be secured to the floor of the room in any well-known manner.

B is the seat-shank, adjustably secured to the base A in any well-known manner.

In one piece with the shank B is cast a cross-head B', terminating at its ends as guideways or supports B'' B³, upon which is adjustably secured the seat-holder, which is composed of a central hub, plate, or cross-piece C, having at its ends the slotted guide-bars C'' C³, adapted to be adjustably secured to the respective guideways B'' B³, preferably by means of headed fastening-bolts D'' D³ and nuts d'' d³, as shown.

c'' c³ are slotted perforations in the respective guide-bars C'' C³, through which the fastening-bolts D'' D³ are inserted, as shown in the drawings.

E'' E³ are wings or flanges on the respective guide-bars C'' C³, and to such wings is firmly secured the seat F or other equivalent portion of the school furniture, as shown in Fig. 1. In said Fig. 1 I have represented my adjustable support as arranged for a seat or

chair, but it is equally well adapted for desks or other school furniture on which a vertical adjustment is required.

If it is desired to adjust the seat F or school furniture forward or back relative to the shank B and base A, all that is necessary to do is to loosen the nuts d'' d³ sufficiently to disengage the guide-bars C'' C³ from their supports B'' B³, when said guide-bars and furniture may be adjusted freely forward or back, as may be needed, for the purpose of adjusting the seat at a proper distance from a desk, or vice versa, and after being so adjusted the bars C'' C³ are firmly secured to their respective supports B'' B³ by means of the respective bolts D'' D³ and their nuts d'' d³, as shown.

For the purpose of preventing the furniture from being moved forward or back out of its adjusted position while in use I prefer to make the bars C'' C³ wedge-shaped in a longitudinal direction, as shown in Figs. 5 and 6, that is, I make the bar C'' thicker at the rear, as compared with its front end, and the bar C³ I make wedge-shaped in the opposite direction, that is, I make it thicker in its front end, as compared with its rear end, as shown in said Figs. 5 and 6, and it will thus be seen that the seat or furniture is firmly held from moving forward or back as soon as the parts B'' C'' and B³ C³ are clamped together by their respective bolts and nuts D'' d'' and D³ d³, as hereinabove shown and described.

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent and claim—

1. In adjustable school furniture, a stationary base A, and a shank B vertically adjustable thereon, said shank having at its upper end a cross-bar B' and guideways B'', B³, combined with a hub C having slotted bars C'', C³, said bars being inclined or wedge-shaped in opposite direction, and fastening devices for securing said bars in an adjustable manner to their guideways substantially as and for the purpose set forth.

2. In adjustable school furniture the herein-described means for adjusting the furniture in a lateral direction consisting of guideways B'', B³ forming a part of the furniture—

shank combined with slotted bars C'', C³, secured to the furniture said bars being inclined in opposite direction and fastening devices for securing said bars in an adjustable
5 manner to their respective guideways 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, on this 24th day of June, A. D. 1896.

JAMES H. BUTLER.

Witnesses: .

ALBAN ANDRÉN,

LAURITZ N. MÖLLER.