

A. Chase,

School Desk and Seat,

N^o 30,020.

Patented Sep. 11, 1860.

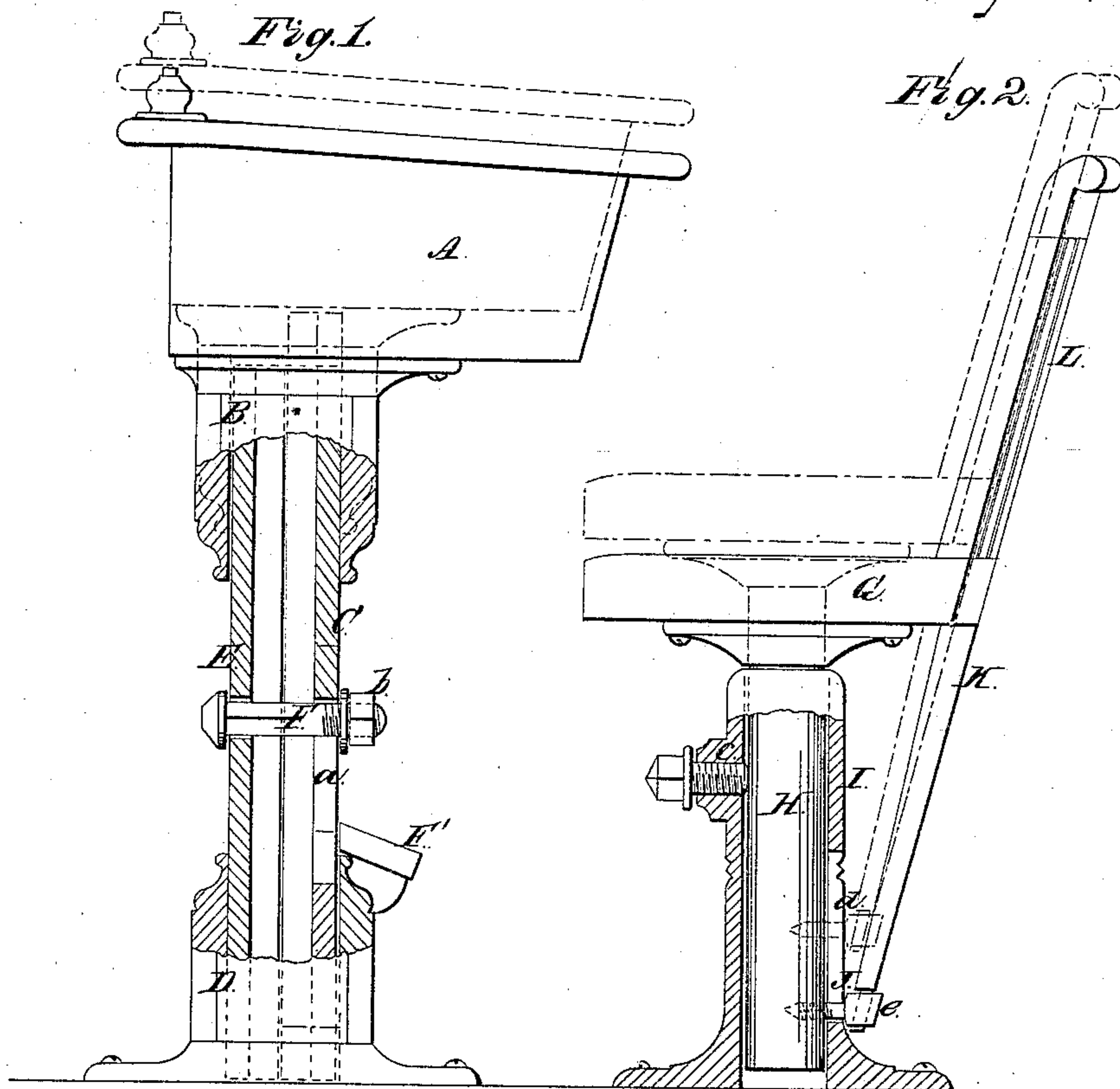
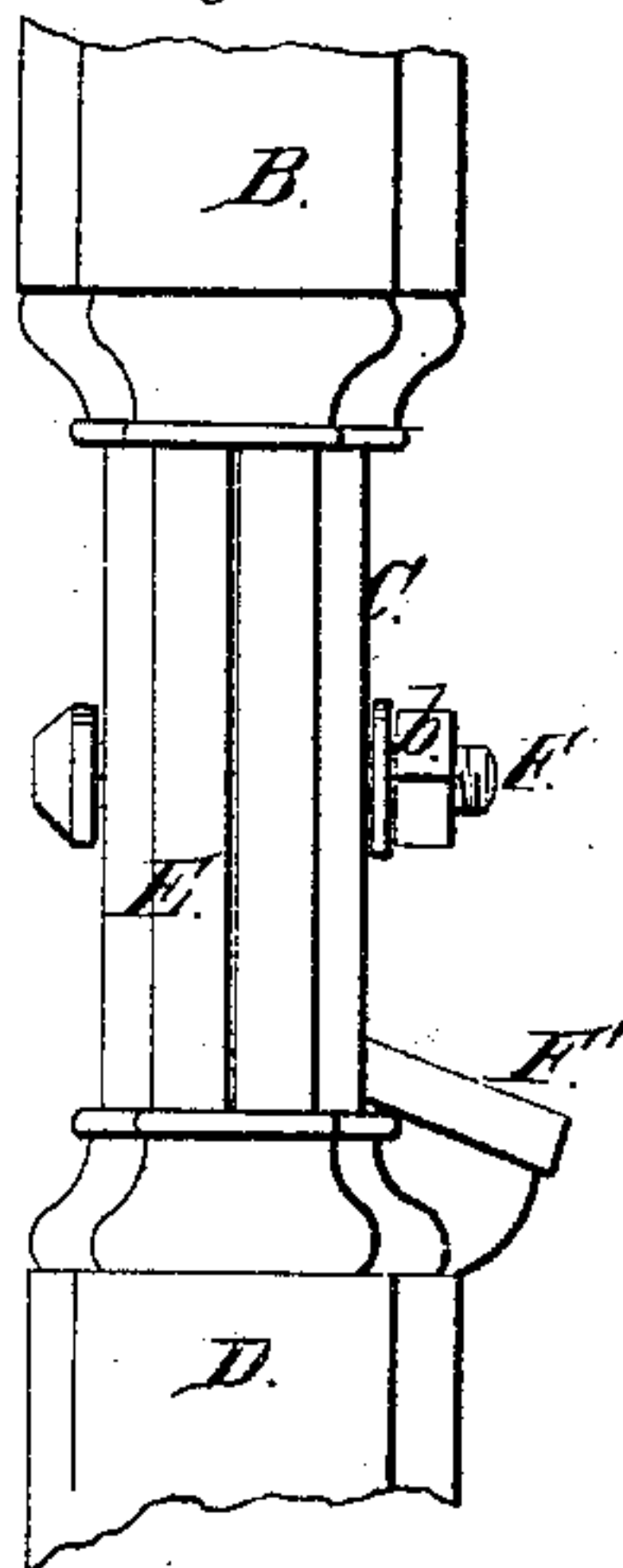


Fig. 3.



Witnesses:

*J. W. Corvill,
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Inventor:

*Amos Chace
per M. H. G.*

UNITED STATES PATENT OFFICE.

AMOS CHASE, OF NORTH WEARE, NEW HAMPSHIRE, ASSIGNOR TO NATHAN C. PAGE, OF NORTH WEARE, NEW HAMPSHIRE.

SCHOOL-DESK.

Specification of Letters Patent No. 30,020, dated September 11, 1860.

To all whom it may concern:

Be it known that I, AMOS CHASE, of North Weare, in the county of Hillsboro and State of New Hampshire, have invented a new and
5 useful Improvement in School 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, in which—

Figure 1 is a side sectional view of a desk and seat constructed according to my invention. Fig. 2 is a detached side view of the support of the desk.

15 Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to obtain adjustable desks and seats which may be raised and lowered to suit the size or height
20 of the children occupying them. The fixed school desks and seats in present use are a fruitful source of many physiological evils in consequence of not being susceptible of being adjusted to suit the size or height of different children.

The invention consists in a peculiar arrangement of slide for the desk and seat substantially as hereinafter described, whereby the desk and seat may be adjusted to the desired height and retained firmly in proper
30 position and a back permitted to be used with the seat.

In carrying out this invention an essential requisite is a firmness and steadiness of position. Many different kinds of seats have been devised so as to be capable of being adjusted vertically, but so far as I am aware they have all lacked firmness and a requisite degree of stiffness especially when adjusted
40 in an elevated position. Any tremor or lack of firmness in school desks and seats would, of course, render them nearly worthless.

To enable those skilled in the art to fully understand and construct my invention I
45 will proceed to describe it.

A, represents a school desk which may be of the usual form and dimensions. To the under side of the desk there is a socket B, the front part of which extends down and
50 forms a pendent bar C, the lower end of which fits in a socket D, secured to the flooring. This socket D, has its back part extending upward forming a bar E, which fits into the socket B.

The two bars C, E, when together form 55 the pillar which supports the desk, and through the bar C, a bolt F, passes, said bolt passing through an oblong slot *a*, in the bar C, and having a nut *b*, on its front end. The sockets B, D, serve as guides, and it will be
60 seen that by unscrewing the nut *b*, the bar C, and desk may be elevated, and secured at any desired point within the range of its movement by screwing up the nut *b*.

The ends of the bars C, E, never leave 65 their respective sockets D, B, and the two bars may form a pillar or support of polygonal or other form that fancy may dictate.

To the upper part of the lower socket D, a front board F', is attached. 70

G represents a seat to the under side of which a cylinder H, is attached. This cylinder H, is fitted within a hollow cylinder I, secured to the flooring, and horizontally
75 through the cylinder a screw *c*, passes.

In the back part of the cylinder I, a vertical slot *d*, is made through which a screw J, passes into cylinder H. The outer part of screw J, has a head or enlarged portion *e*, which serves as a step or bearing for the
80 lower end of a prop K, of the back L, of the seat. By relaxing or unscrewing the screw *c*, the cylinder H, is allowed to work freely in the cylinder I, and the cylinder H, and seat may be retained at any desired point by
85 screwing up the screw *c*. The prop K, serves as an efficient support to the back part of the seat, and enables the occupant to lean against the back L, without racking the seat.

By this arrangement the desk and seat are 90 rendered adjustable vertically and may be made to suit the height or size of the occupant of the seat G, and at the same time the desk and seat are rendered perfectly stiff and firm. 95

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

The arrangement of the desk A, and sliding bar C, with the bar E, bolt F, and
100 sockets B, D, as and for the purpose herein shown and described.

AMOS CHASE.

Witnesses:

M. A. HODGDON,
N. C. PAGE.