

(No Model.)

2 Sheets—Sheet 1.

F. W. HILL.
ADJUSTABLE TOP FOR DESKS.

No. 551,121.

Patented Dec. 10, 1895.

Fig. 1.

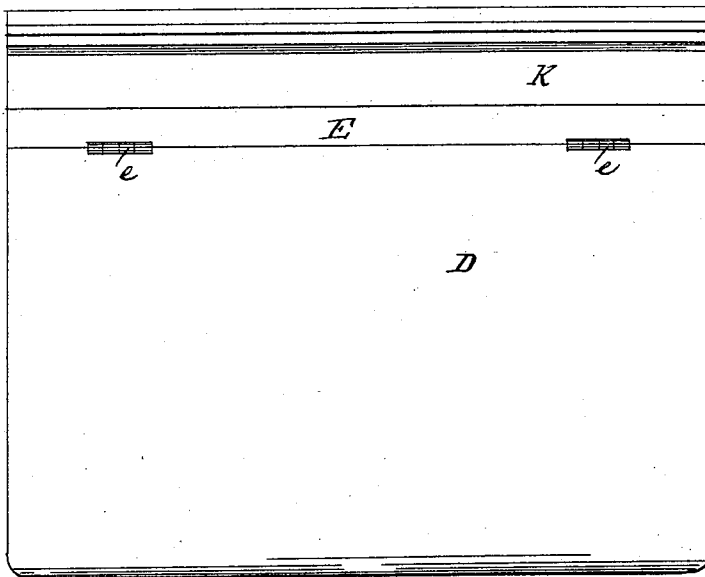
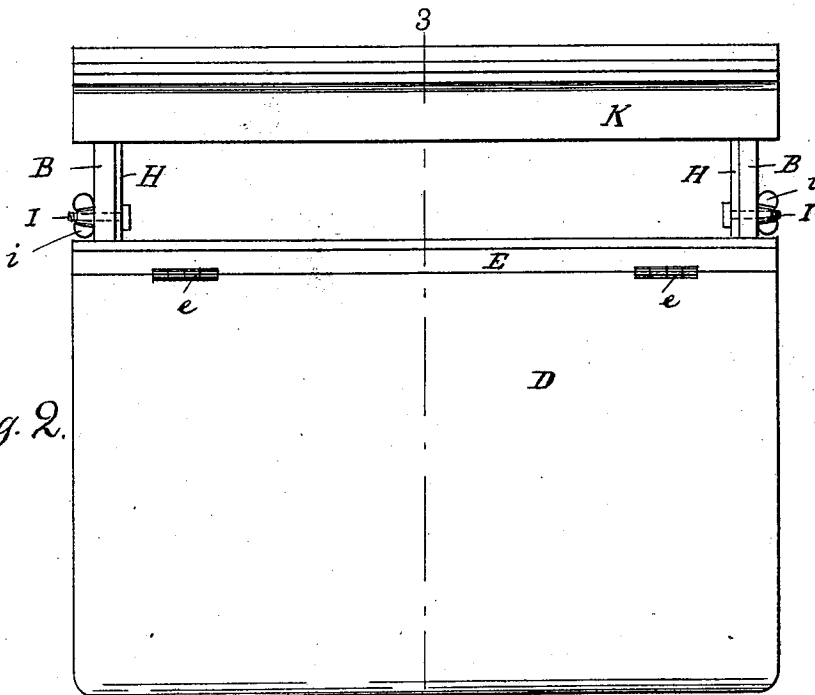


Fig. 2.



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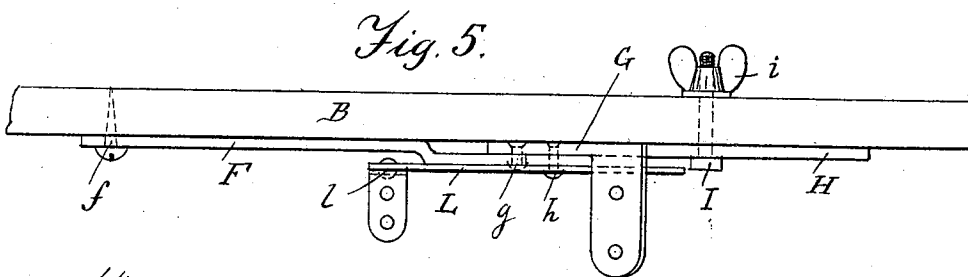
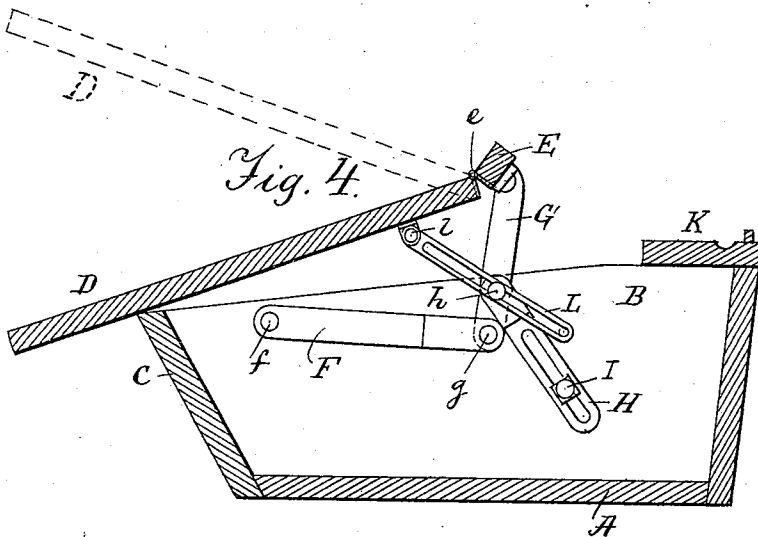
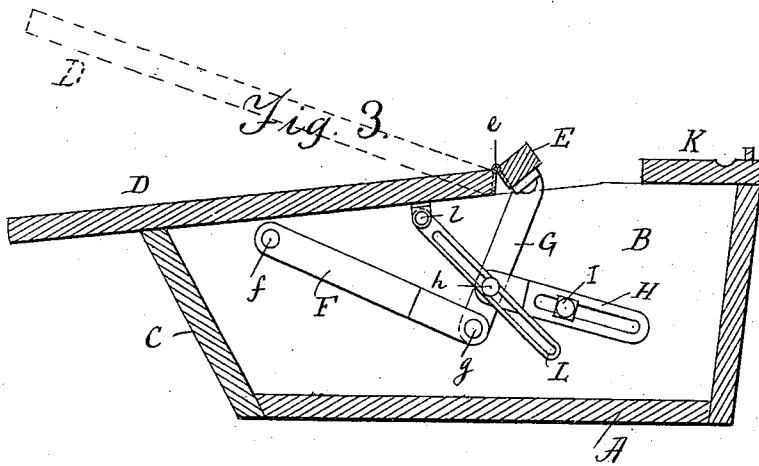
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2 Sheets—Sheet 2.

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ADJUSTABLE TOP FOR DESKS.

No. 551,121.

Patented Dec. 10, 1895.



Witnesses:
Charles A. Harris
John E. Harsland

Inventor:
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UNITED STATES PATENT OFFICE.

FREDERICK W. HILL, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THE
CHANDLER ADJUSTABLE CHAIR AND DESK COMPANY, OF SAME PLACE.

ADJUSTABLE TOP FOR DESKS.

SPECIFICATION forming part of Letters Patent No. 551,121, dated December 10, 1895.

Application filed September 5, 1895. Serial No. 561,534. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. HILL, a citizen of the United States, and a resident of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Adjustable Tops for Desks and other Furniture, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to improvements in adjustable tops for desks and other furniture, and it is particularly well adapted for use on school-desks in which it is desirable to adjust the desk-top to and from the scholar as well as to adjust the inclination of the desk-top to suit the requirements of the work, and to insure a proper position of the scholar relative to the desk-top, as will hereinafter be more fully shown and described, reference being had to the accompanying drawings, wherein—

Figure 1 represents a top plan view of the improved desk, showing its top in a normal closed position. Fig. 2 represents a similar view showing the top of the desk drawn forward. Fig. 3 represents a cross-section on the line 3 3 in Fig. 2. Fig. 4 represents a similar cross-section showing the top of the desk adjusted in an inclined position, and Fig. 5 represents a detail top plan view of the lever connections between the top and body of the desk.

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

A represents the body of a desk or similar furniture, on which B B are the sides and C the front, as usual.

D represents the adjustable top normally supported on the upper edges of the sides B B, and upon which it may be adjusted forward and back to and from the body of the scholar or person using the desk, as shown in Figs. 1, 2, and 3. The rear edge of the adjustable top D is pivoted at *e* to a cross-bar E, as shown in Figs. 1, 2, 3, and 4.

To the interior of each desk side portion B is pivoted at *f* a knuckle-joint lever F, to the rear end of which is pivoted at *g* another knuckle-joint lever G, the upper end of which

is secured in a suitable manner to the cross-bar E, as shown in Figs. 3, 4, and 5. To the knuckle-joint lever G is pivoted at *h* a slotted link H, which is adjustably secured to the desk side B by means of a headed screw-bolt I, which passes loosely through said slotted link H and a perforation in the desk side B and is provided at its outer end with a fastening-nut *i*, as shown in Figs. 2, 3, 4, and 5.

K is a stationary rear top piece secured to the rear end of the desk-body, as shown in Figs. 1, 2, 3, and 4.

The operation of the device is as follows: Under ordinary circumstances or when the desk is not in use, the adjustable top D is pushed backward until the cross-bar E is brought to a stop against the stationary rear top K, as shown in Fig. 1. If it is desired to slide the top *d* forward more or less, all that is necessary to do is to loosen the nuts *i i*, after which the said top D may be drawn forward, as shown in Fig. 3, as far as desired and secured in such adjusted position simply by tightening the nuts *i i*. If it is desired to incline the said top D, the nuts *i i* are loosened, after which the top D is inclined more or less, as desired, as shown in Fig. 4, and secured in such adjusted position by tightening the nuts *i i*. While the top D is in the positions shown in Figs. 1, 2, 3, and 4, it may be swung freely upward on its hinges *e e* to reach the contents of the desk-body, as indicated by dotted lines in Figs. 3 and 4.

For the purpose of limiting the upward and backward swinging movement of the top D and to relieve the hinges *e e* from undue strain I pivot at *l* to its under side a slotted link L, which is guided on the pivot-bolt *h*, as shown in Figs. 3 and 4, and by this arrangement the desired object is attained.

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

1. In a school desk or other furniture, in combination a desk body having pivoted to it a knuckle lever F, an adjustable top D hinged to a cross bar E, a knuckle lever G, secured to the latter and pivoted to the lever F and a slotted link H pivoted to the lever G and an adjustable fastening bolt I for secur-

ing the parts in their adjusted position substantially as and for the purpose set forth.

2. In a school desk or other furniture, in combination a desk body, an adjustable top
5 D and a cross bar E hinged thereto, a set of
knuckle levers F, G pivoted together and arranged relative to the desk body and cross
bar as described, a link H pivoted to the lever
G, a fastening bolt I and a slotted link L
10 pivoted to the top D and guided upon a bolt

or pin on the lever G, 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 2d day of 15
August, A. D. 1895.

FREDERICK W. HILL.

Witnesses:

ALBAN ANDRÉN,
CHARLES A. HARRIS.