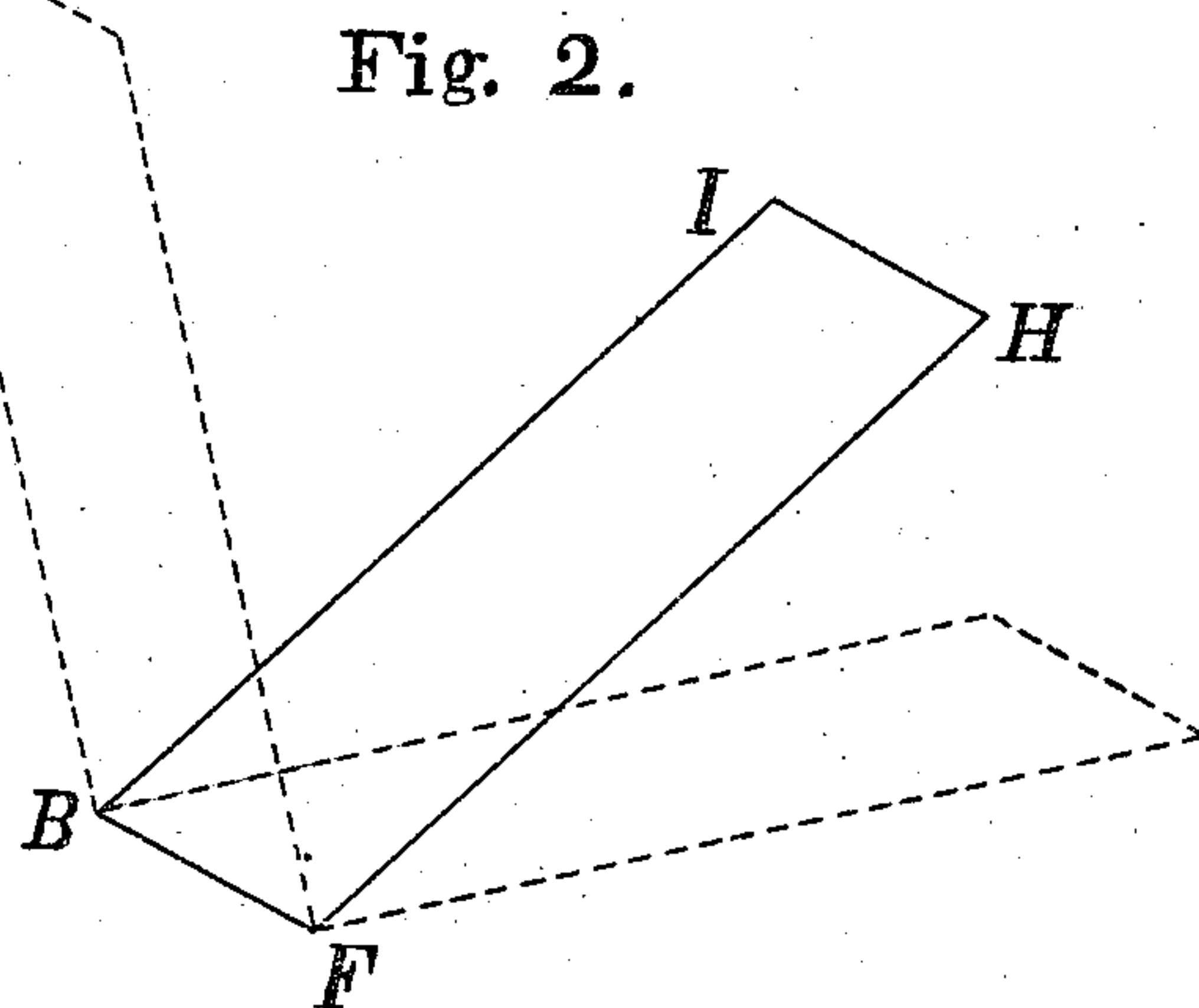
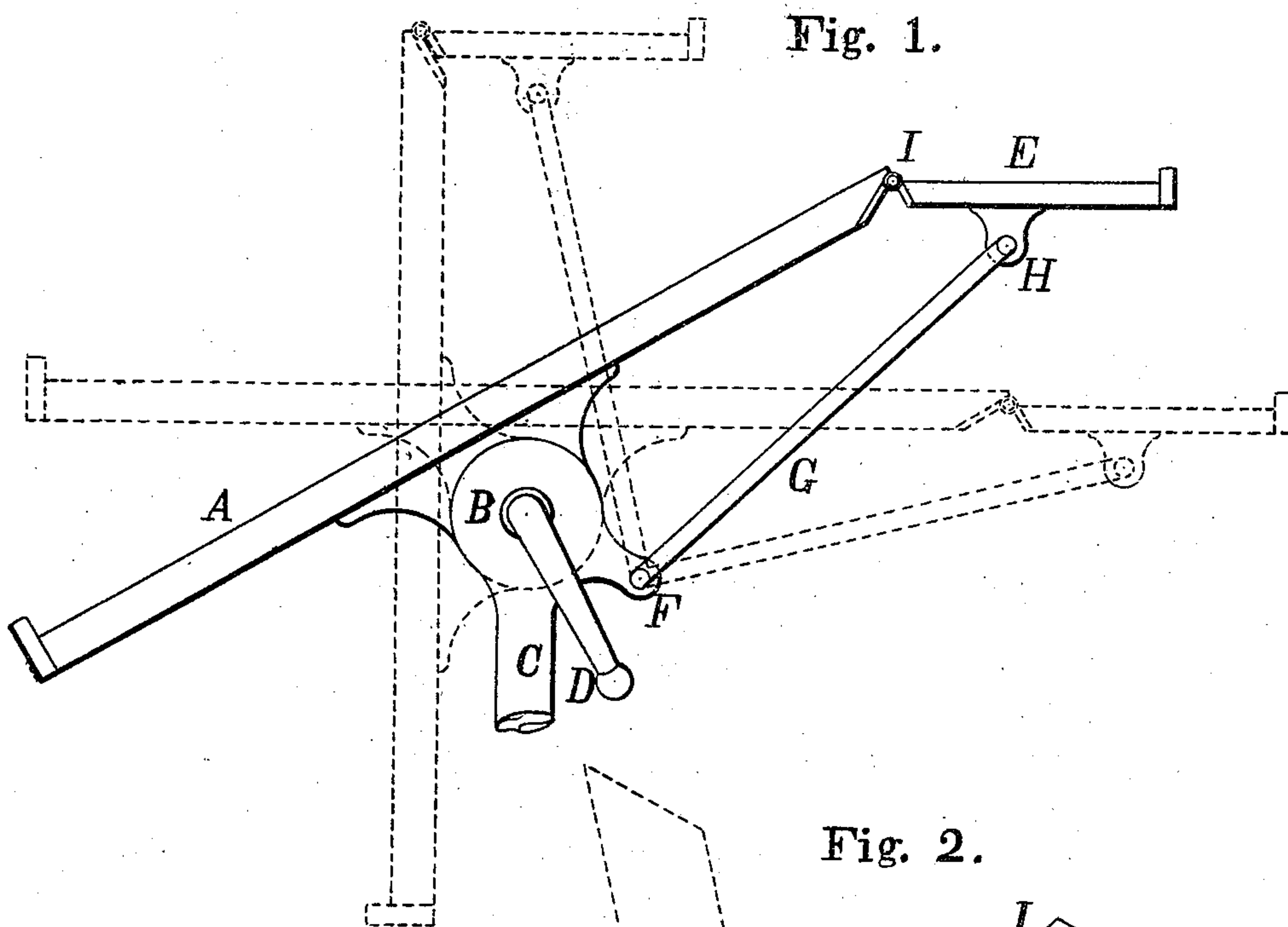


E. DUMMER.

Improvement in Adjustable-Desks.

No. 133,087.

Patented Nov. 19, 1872.



WITNESSES

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EDWARD DUMMER, OF NEWBURYPORT, MASSACHUSETTS.

IMPROVEMENT IN ADJUSTABLE DESKS.

Specification forming part of Letters Patent No. 133,087, dated November 19, 1872.

To all whom it may concern:

Be it known that I, EDWARD DUMMER, of Newburyport, in the county of Essex and State of Massachusetts, have invented an Improvement in Adjustable Desks, of which the following is a specification:

Nature and Objects of the Invention.

My invention relates to the combination of a level plane or shelf with the inclinable plane or table of an adjustable desk; the object of my invention being to cause, by a simple self-adjustment, said shelf to retain its level or horizontal position whatever may be the inclination of the said table.

Description of the Accompanying Drawing.

Figure 1 is a side elevation of so much of an adjustable desk as embodies my invention. Fig. 2 is simply a parallelogram, illustrating the principle on which my invention is based.

General Description.

A is the inclinable plane or table of the desk. B is the center, about which the table moves, said table being generally held in any desirable position by the pressure of two plates, the one upon the other, the one connected with the table and the other with the upright partly shown at C. Said pressure is caused by a screw operated by the lever D. Any other method of fastening may be used. E is the plane or shelf, which is to be kept in a horizontal position. F is a projection, connected firmly with a part of the support C. G is a rod connecting the level shelf E with the support C, being hinged at H and F. I

is the hinge or one of the hinges by which the shelf is pivoted to the table.

In the perfect working the whole is so arranged that the distance from center of motion at B to that at I is the same as from the center of motion at F to that at H; also, the distance from center B to center F is the same as from I to H; or, in other words, the four centers at B, I, F, and H, as it were, form the four corners of a parallelogram, as shown in Fig. 2. With such arrangement, whatever be the position of the inclinable table A, the shelf E will always retain a horizontal position, as shown by the dotted lines in two positions of said table, the one being nearly upright the other horizontal. Moreover, the center of motion at B is placed near the center of the length of the table A—that is, at a distance from the lower or front edge of the table, so that the table is balanced as to the whole or a part of its length.

I claim—

1. The combination, in an adjustable desk, of the shelf E, table A, support C, plates B B pressed together by any suitable device, and the rod G connected to one of the plates B at F and to the shelf E at H, all constructed substantially as described.

2. In an adjustable desk the table A, pivoted and supported near the middle of its length, in combination with the shelf E, when connected together, so as to operate substantially as described.

EDWARD DUMMER.

Witnesses:

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