

(No Model.)

W. D. SUTTON.
TYPE WRITER TABLE.

No. 494,764.

Patented Apr. 4, 1893.

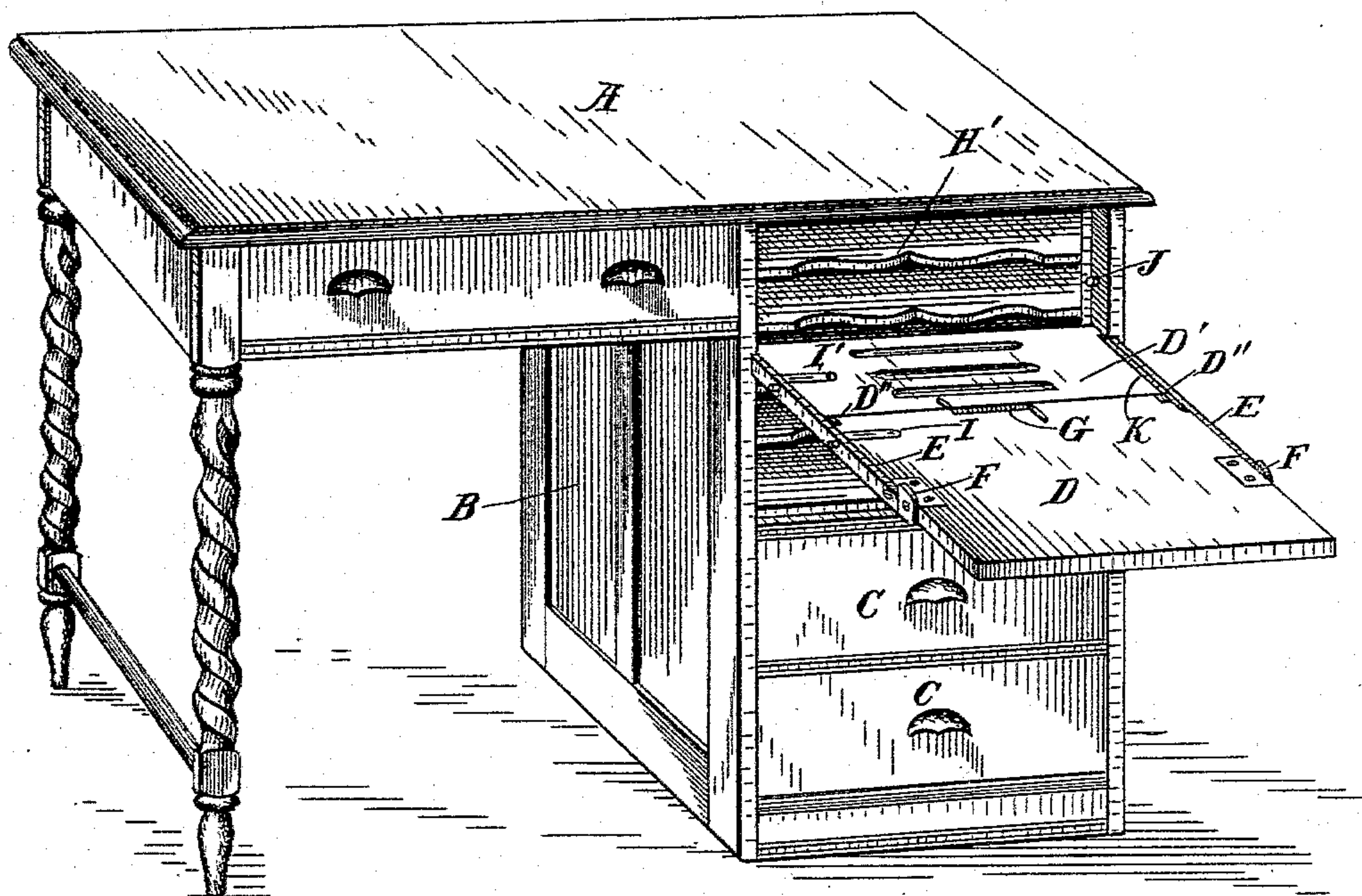


Fig. 1.

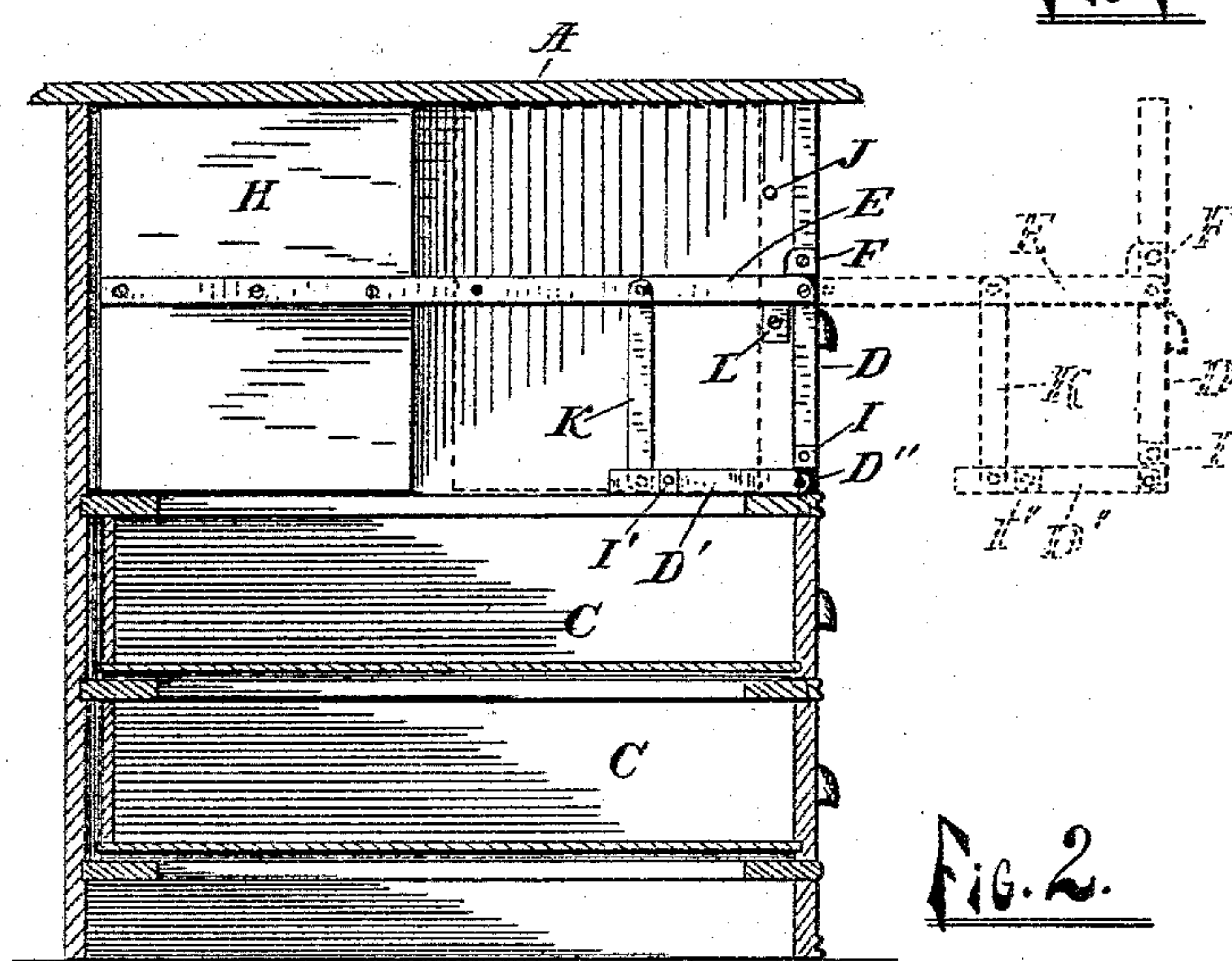


Fig. 2.

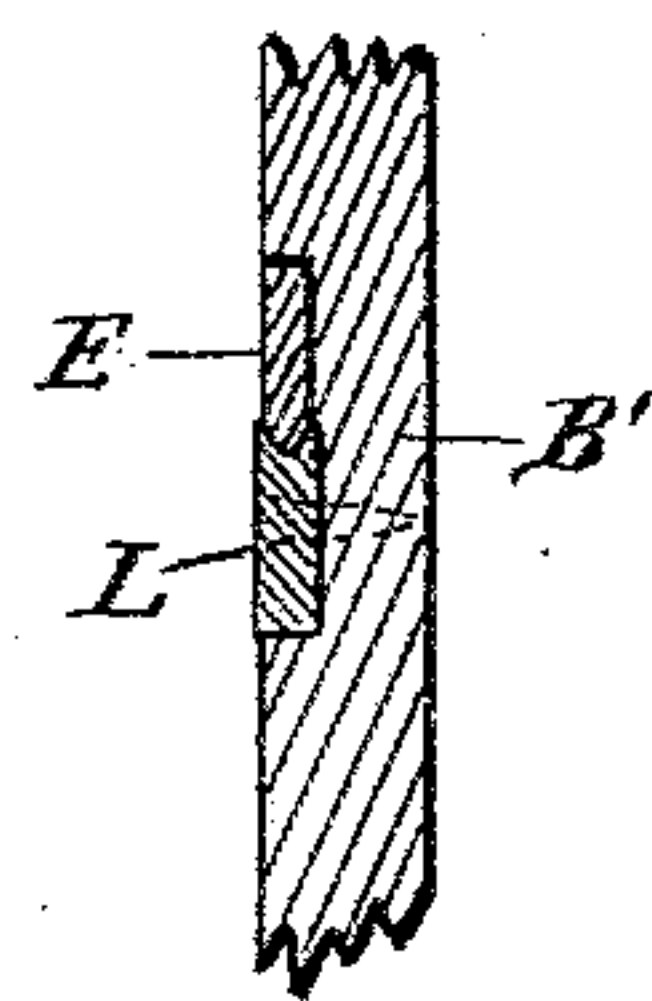


Fig. 3.

WITNESSES:

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To the Hon. Secy.

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BY

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UNITED STATES PATENT OFFICE.

WILLIAM D. SUTTON, OF GRAND RAPIDS, MICHIGAN.

TYPE-WRITER TABLE.

SPECIFICATION forming part of Letters Patent No. 494,764, dated April 4, 1893.

Application filed July 9, 1892. Serial No. 439,530. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM D. SUTTON, a citizen of the United States, residing at the city of Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Type-Writer Tables, of which the following is a specification.

This invention relates to a new and improved typewriter table or desk, and the invention consists in the supporting within a table or analogous piece of furniture of a support or shelf for the typewriter, which shelf or support is adapted to slide within the table like a drawer, and to be extended or drawn out for use by the operator. And the objects of my invention are,—first, to supply a chief support for the typewriter, which can be attached to an ordinary table or desk; second, to supply such a support as may be folded with the typewriter in position to slide or move beneath the table or desk top; third, in the details of construction hereinafter more fully described. These objects I accomplish by means of the mechanism illustrated in the accompanying drawings, in which,—

Figure 1 is a perspective view of the desk to which my invention is applied. Fig. 2 is a vertical sectional view through the center of the supporting shelf or platform, and Fig. 3 is a sectional view through the supporting bars or arms of the shelf, and through the guide upon which the supporting arms rest, said Fig. (3) showing an enlarged view.

Similar letters refer to similar parts throughout the several views.

I have shown what may be termed an office desk, but it will be evident that my invention may be applied to almost any form of desk or table.

A. represents the table or desk top; B the body of the desk; B' a portion of the frame which supports the way; D represents the shelf or platform upon which the typewriter is designed to rest. This shelf D is pivoted to the side supports E—E. I prefer to pivot the shelf D at or near the center of its sides so that when it is turned in a substantially perpendicular position, as shown in Fig. (2), a part will be above and a part below the side arm or side supports E.

F—F show the pivot.

D' represents a supplemental support, platform, or shelf hinged at D'' to the main shelf or platform D, and preferably connected by means of pivot connections K to the said support E.

D'' are hinges or parts which connect the platform or shelves, as D and D'.

I is a lock or catch fastening; the shelf D is in rigid connection with the side arm E when said shelf is extended, as shown in Fig. (1). I' is a similar catch attaching the supplemental shelf D' to the side arm E. The side arms E rest on suitable ways or guides one of which is shown at L. The side arms E are also preferably attached to the case H, which case H moves with the side arms and shelves. Within the case H, I provide shelves shown by H', or in place thereof, pigeon holes or any other suitable finish.

When the typewriter is in use, it stands upon the extended horizontal shelf D so that the operator can sit at the side of the table or desk and operate the typewriter supported upon the shelf D. The upper surface of the supplemental shelf D' may be finished in any suitable manner for the reception of pencils or other articles which the operator may desire to use.

When the typewriter is not in use, the shelf D is folded or turned into substantially a perpendicular position, as shown in Fig. (2). When in this position the shelf typewriter and supports are shoved back in the desk or table beneath the table top A, as shown in said Fig. (2), the case H moving back at the same time to give room for the typewriter.

The dotted lines in Fig. (2) show the location of the parts when turned in the position for sliding beneath the table top, while the solid lines show the position when slid beneath the table top.

It will be observed that the connection K retains the supplemental shelf always at a substantially horizontal position. It will be further observed that when the main shelf D is extended, the shelves D and D' are substantially in the same plane forming, as it were, one shelf. The supplemental shelf and connections may be dispensed with, in case the typewriter is rigidly attached to the shelf D, but I prefer the construction shown and described. Any suitable form of pivot or hinge

may be used. The shelves D and D' may be provided with a coiled spring G, which will assist in unfolding the shelves; this spring however, may be dispensed with.

5 In the example of my invention shown in the drawings, I have illustrated an article containing drawers as C—C, but it will be evident that any suitable finish may be applied to the table or desk.

10 Having thus described my invention, what I claim to have invented, and desire to secure by Letters Patent, is—

1. In combination with a table or analogous piece of furniture of an extensible shelf, 15 as D, adapted to support a typewriter; movable supports as E, to which said shelf is pivoted, said shelf and supports adapted to slide beneath the table top, and to be drawn therefrom under, substantially as and for the purpose described.

2. The combination with a table or analogous piece of furniture of a movable shelf, movable supports to which said shelf is pivoted; suitable ways or guides for said movable shelf, and upon which said supports are 25 moved, substantially as described.

3. The combination of a table or analogous

piece of furniture of a supporting shelf hinged or pivoted to the sliding supports; sliding supports moving in suitable ways 30 within the table; a supplemental shelf hinged to the main shelf, the whole adapted to be moved beneath the table top and drawn therefrom, substantially as described.

4. In combination with a table or analogous piece of furniture; a supporting shelf 35 as D pivoted to the movable supports; a supplemental shelf as D' hinged to the main shelf and connecting arm or rod K, connecting the supplemental shelf to the movable supports, 40 substantially as described.

5. The combination with a table of a pivoted shelf as D; movable supports as E to which said shelf is pivoted; a supplemental 45 table or shelf as D' hinged to the shelf D, and lock or catch as I, for retaining the shelf D in rigid connection with the movable supports, substantially as described.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses. 50

WILLIAM D. SUTTON. [L. S.]

Witnesses:

EDWARD TAGGART,
D. O. SPROAT.