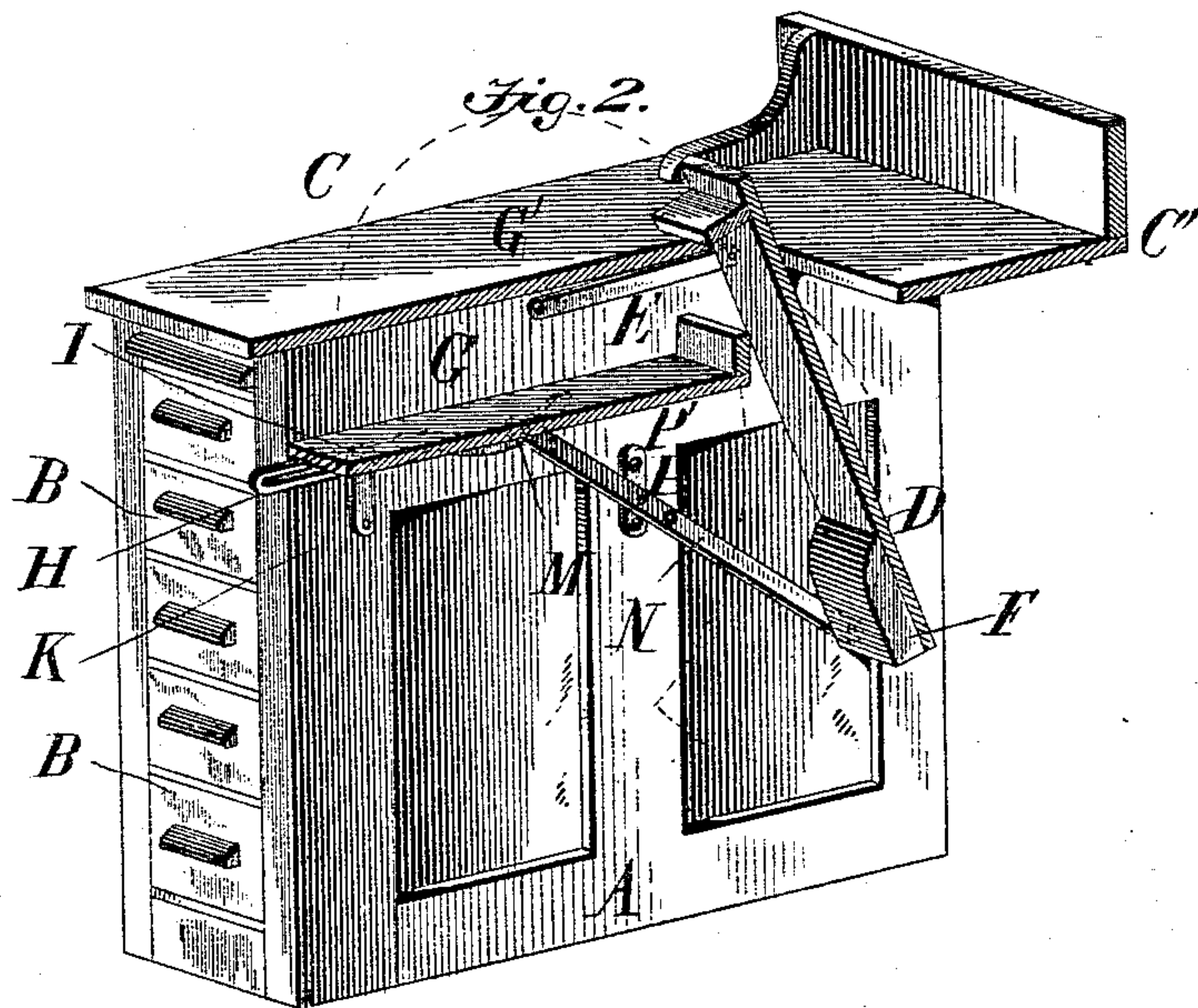
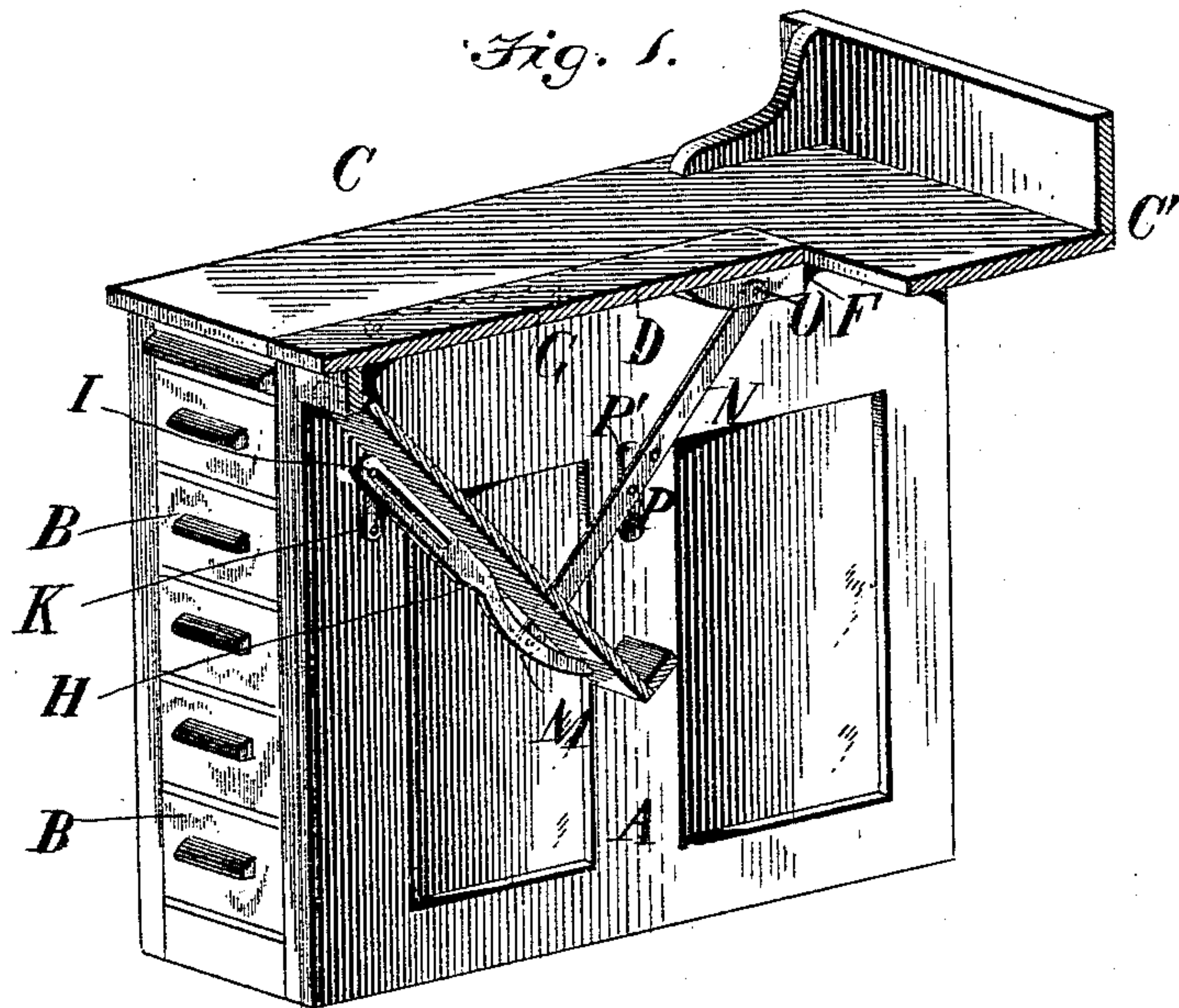


(No Model.)

W. J. ELSOM.  
CABINET FOR TYPE WRITERS, &c.

No. 458,446.

Patented Aug. 25, 1891.



Witnesses

*Edw. J. Johnson*  
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# UNITED STATES PATENT OFFICE.

WILLIAM J. ELSOM, OF CORTLAND, NEW YORK.

## CABINET FOR TYPE-WRITERS, &c.

SPECIFICATION forming part of Letters Patent No. 458,446, dated August 25, 1891.

Application filed February 11, 1891. Serial No. 381,078. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM J. ELSOM, residing at Cortland, in the county of Cortland and State of New York, have invented certain new and useful Improvements in Cabinets for Type-Writers, &c., of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to cabinets or desks for type-writing machines, sewing-machines, and the like.

The object of the invention is to produce a desk or cabinet in which the shelf or table which supports the machine may be depressed and covered by the desk top or lid when the machine is not in use and in which the desk lid or cover may act in part as a counterpoise and as a lever or handle for raising or lowering the writing-machine and table.

Figure 1 is a perspective view of the cabinet end, showing a section of the machine-table and the desk-cover and connections, with table depressed and cover closed. Fig. 2 is a similar view of the device with machine-table raised to working position and cover open, the front edge of the table or shelf broken away to show the bracket attached to said table.

A designates the end of the desk, which preferably has a set of drawers BB. The end of the desk (not shown) may be of similar or any usual construction. The desk-top C is preferably flat, and the movable cover D lies in the same plane with said top when closed, as shown in Fig. 1. The cover or lid D is preferably connected to the desk-body by a link E, which is pivoted to the lid near its front and to the desk, as shown in Fig. 2; but such link may be omitted. The lid D should have a counter-weight F firmly attached to its rear edge, unless the lid is of sufficient weight to nearly counterbalance the machine-table and machine without such weight.

The table or shelf G (to which the writing-machine is to be firmly secured) has a bracket H near each end. The bracket H is slotted lengthwise and a pin or support I projects from the side of the desk into the slot in the bracket. The pin I projects from a base K of any suitable construction. The operation would be the same with other than the bracket-

and-pin construction, so that the table is permitted to both rock and slide on its pivotal support. The bracket H has a projecting pin or pivot M, to which one end of the lever N is pivoted, the other end of said lever being pivoted to the lid or cover D, or to the counter-weight thereon, as at O. Lever N has its fulcrum P at the side of the desk, between the pivotal connections to the machine-table and the desk-lid.

The connections being as shown and described and the parts being in the position shown in Fig. 1, to open the desk and to bring the machine into operative position the first movement is to raise the front edge of lid D. This lowers the rear edge of said lid, and by said movement turns the table G on the pin I by means of the lever connection N. As soon as the rear edge of lid G is below the plane of the part C' of the desk-top the weight of the lid and its counter-weight will swing the lever N on its fulcrum, and thus lift the rear side of table G, and at the same time slide said table forward, the slot in bracket H permitting the forward movement. The front of the desk-lid will be guided by link E, if such link be used, and the link will swing about its pivot G'. The extreme downward movement of the desk-lid raises the machine-table to about a horizontal position, and the forward movement of table G should carry the center of weight of said table about in line with the supporting-pins I. If the parts are properly proportioned, there will be a substantial counterpoise between the weight of the machine and its table on the one side and the cover D and its weight on the other, so that but little strength is required to either open or close the desk.

For machines of different weights the fulcrum P of the lever N may be adjusted to different positions. The base P' of the pin P may be held by the desk by screws, and attached at such point as to give the proper leverage, the lever N being constructed to permit such adjustment. Obviously the precise angle of inclination of the table G when the desk is closed and of cover D when the desk is open are not very important. The end of table G swings either above or below the pivot of lever N as the rear edge of the ma-



chine rises and falls, a space being left between the table and cabinet-body for that purpose.

The modification illustrated is considered the best known to me; but changes can be made within reasonable limits without departing from the spirit of the invention.

What I claim is—

1. A type-writer or similar desk or cabinet, a machine-table movably supported to swing and slide on a pivot on said desk, and a lid pivoted to a rigid lever, which lever is also pivoted to the desk and to the machine-table, the parts combined, substantially as described, so that the swinging of the lid to open the desk raises the machine-table to operative position.

2. The desk-body, the machine-table having a slotted bracket attached, a pin on the desk entering the slot in the bracket, the rigid lever having its fulcrum on the desk and one end pivoted to the machine-table, and a counterpoise-weight acting on the other end of the lever, all combined substantially as described.

3. The combination of the desk-body, the machine-table supported on a pivot thereon and swinging and laterally moving on the pivot, the desk-lid, a rigid lever centrally pivoted to the desk and pivoted to the desk-lid and machine-table, and a counter-weight rigidly attached to the lid, the parts in combination, substantially as described.

4. The combination of the cabinet-body, the lid connected thereto by a swinging link, the machine-table connected to the cabinet-body by a slotted bracket movable on a pintle on said body, and a single lever connecting the lid and the machine-table and having its fulcrum on the cabinet-body, all substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM J. ELSOM.

Witnesses:

JOHN W. SUGGETT,  
IRVING H. PALMER.