No. 726,482. PATENTED APR. 28, 1903.

F. W. TOBEY.

TYPE WRITER CABINET.

APPLICATION FILED JUNE 8, 1901.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1.

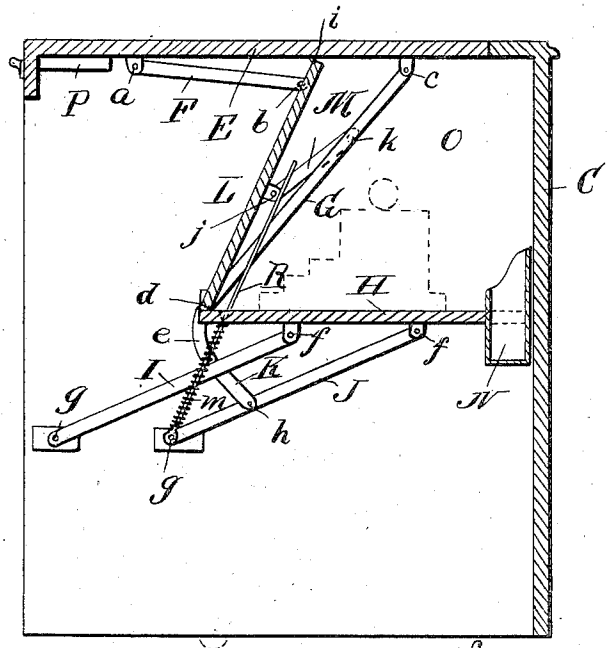
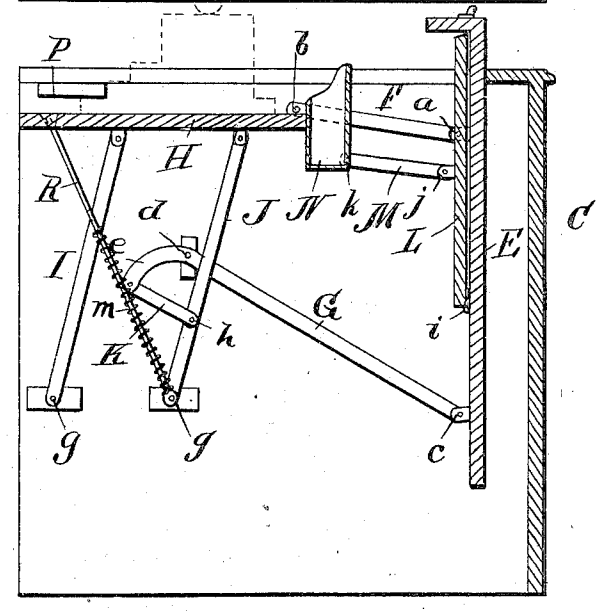


Fig. 2.



Witnesses.

Wm. J. Peck.

Edward Peck

Inventor.

Fred W. Tobey

by Chas. M. Peck

his Attorney.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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APPLICATION FILED JUNE 8, 1901.

NO MODEL. 2 SHEETS—SHEET 2.

Fig. 3.

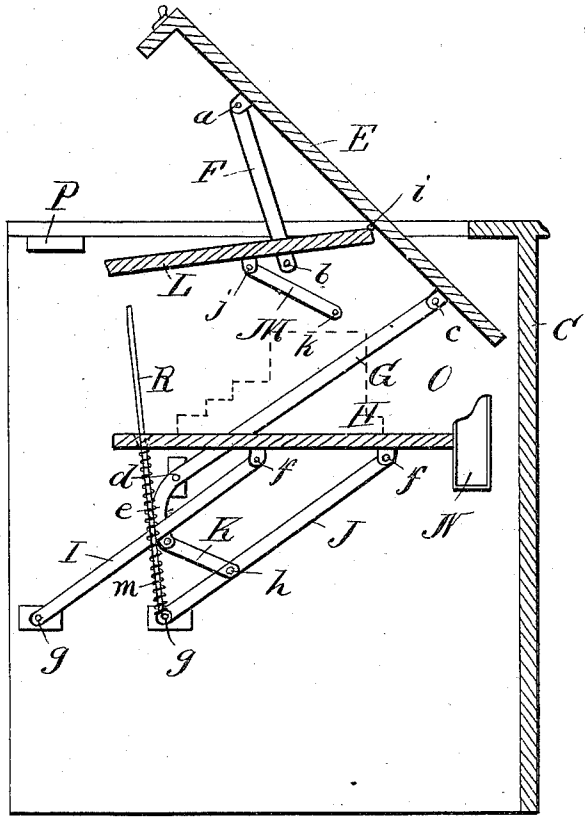
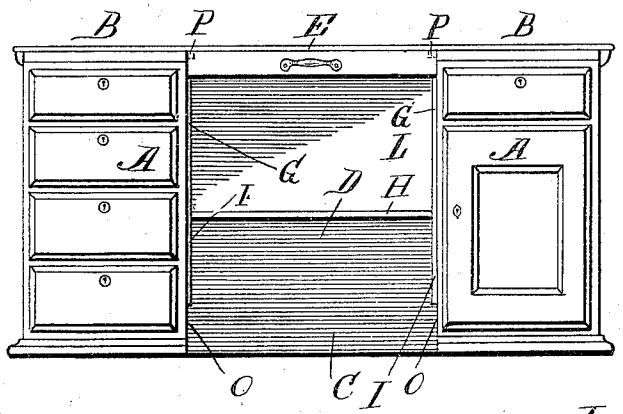


Fig. 4.



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his Attorney.

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UNITED STATES PATENT OFFICE.

FRED W. TOBEY, OF CINCINNATI, OHIO, ASSIGNOR TO THE GLOBE-WERNICKE COMPANY, OF CINCINNATI, OHIO, A CORPORATION OF OHIO.

TYPE-WRITER CABINET.

SPECIFICATION forming part of Letters Patent No. 726,482, dated April 28, 1903.

Application filed June 8, 1901. Serial No. 63,764. (No model.)

To all whom it may concern:

Be it known that I, FRED W. TOBEY, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Type-Writer Cabinets, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that class of cabinets for type-writers which, when closed, forms an ordinary desk, and by the opening of the lid thereof brings up into working position the previously-inclosed type-writer which rests upon a movable support or platform; and it has for its object the improved construction of such cabinets and the contained mechanism which controls the raising and lowering of the type-writer, whereby when the lid is raised and the type-writer lowered within the cabinet the type-writer is contained in a practically dust-proof compartment, and whereby in the raising and the lowering of the type-writer it is always retained in a horizontal position.

The novelty of my invention will be hereinafter set forth, and specifically pointed out in the claim.

In the accompanying drawings, Figure 1, Sheet 1, is a central sectional end elevation of a cabinet embodying my invention and showing the lid closed. Fig. 2, Sheet 1, is a corresponding view showing the lid entirely opened. Fig. 3, Sheet 2, is a corresponding view showing the position of the parts with the lid partly raised. Fig. 4, Sheet 2, is a diminished front elevation of the cabinet in desk form.

The same letters of reference are used to indicate identical parts in all the figures.

The cabinet, as seen in Fig. 4, is preferably in the form of a flat-top desk with drawer and cupboard compartments at each side, as seen at A, and the tops directly over these compartments at B are stationary, and, together with a permanent back wall C, form a framework for the cabinet which is contained in the compartment D between the inner side walls of the drawer and cupboard sections A. Filling the space at the top of this compartment and flush with the tops B is a movable lid E, supported at each side by two pivoted links F G. The links F are pivoted to the under side of the lid near its forward edge, as at *a*, and to the side walls of the compartment D, as at *b*, while the links G are pivoted to the under side of the lid near its rear edge, as at *c*, and extending forward and downward to the side walls of the compartment, as at *d*, and said links G have curved lower extensions *e* below the pivotal points *d*. Likewise supported within the compartment D and filling the space between its side walls is a horizontal platform H, supported at each side on two pivoted links I J, which are pivoted at their upper ends to the under side of the platform H, as at *f*, and at their lower ends to the side walls of the compartment D, as at *g*. The links or levers I J are parallel, and the lower end of the curved extension *e* of each of the links or levers G is connected by a pivoted link K to its adjacent link or lever J near its lower end, as at *h*. Hinged to the under side of the lid E, slightly in rear of the middle of its width from front to back, as at *i*, is a partition-piece L, extending the entire width between the side walls of the compartment D, and the sides of this partition-piece on their under edges are connected by links M, pivoted, as at *j*, to the inner side of the partition-piece and to the side walls of the compartment D, as at *k*. Secured to the rear edge of the platform H are a series of paper and envelop receptacles N, if desired, or, when the same are not desired, the rear edge of the platform H may be extended back when the platform is lowered to meet the inner side of the back wall C, as indicated by the dotted lines in Fig. 1.

The type-writer (indicated by dotted lines in Figs. 1, 2, and 3) is carried upon the constantly-horizontal platform H, and when the lid E is closed said type-writer is completely incased within a compartment O, Fig. 1, composed of the side walls of the compartment D, the platform H, and the partition-piece L, which compartment is at the rear upper side of the desk or cabinet, leaving ample space in front and beneath the lid for the knees of the operator, even when the lid is closed and the type-writer lowered, and af-

fording still greater and unrestricted space when the lid is lowered and the type-writer brought up into working position, as in Fig. 2.

The arrangement of the pivotal points of the levers F, G, and M is such and the connection of the levers G to the levers J is such that the raising and pressing back of the lid E, as seen in Fig. 3, lifts the partition-piece L upward and away from the platform H and at the same time raises and brings forward the platform H, so that the partition-piece and the lid E in the act of raising and throwing back the lid both entirely clear the type-writer, which is carried upon the platform H, and when the lid is thrown entirely back and lowered to a vertical position, as seen in Fig. 2, the platform H is entirely raised to bring the type-writer to the front and top of the cabinet, though in this instance not entirely to the level of the side pieces B, and in this position the partition-piece L is folded flat against the under side of the lid E, as shown.

It is to be observed that the type-writer is preserved at all times in a perfectly horizontal position owing to the parallelism of the levers I J by which its platform is supported, and that in being raised and lowered it moves through the arc of a circle whose center is near the front side of the cabinet. It is also to be observed that the forward under side of the lid E when closed rests upon projections P, extending slightly from the side walls of the compartment D, thus affording a firm support for the front side of the lid, while its rear side is supported by the levers G.

Another feature of my invention consists in the application of spring-buffer mechanism to the platform H, the purpose of which is to partially balance the weight of the type-writer, which is carried on the platform and which is indicated by the dotted lines. As a simple and efficient buffer mechanism I employ two rods R, pivoted at their lower ends on the same pivot which unites the lower ends of the levers J to the side walls of the compartment D. The upper ends of these rods pass through perforations in the platform H near its front edge, and coiled springs *m* surround the lower parts of the rods R. By this construction when the platform is about half-way down it comes in contact with the upper ends of the springs and puts them under tension, the tension increasing as the platform further descends, and thereby all shock or jar is prevented in lowering the type-writer and the springs act as lifts to help the raising of the platform and type-writer when the lid E is raised and thrown back, as will be readily understood.

Having thus fully described my invention, I claim—

In a type-writer cabinet, the combination of the lid E, the pivoted levers F connecting the under side of said lid with the side walls of the cabinet near the top, the levers G connecting the under side of the lid near its rear with the side walls of the cabinet and having extensions *e* below their lower pivots, the platform H carried on pivoted levers I J parallel to each other and having their lower ends pivoted to the side walls of the cabinet near the front, links K connecting the extensions *e* with the levers J, and the partition-piece L hinged to the under side of the lid E, as at *i*, and pivoted levers M connecting the partition L to the side walls of the cabinet, whose fixed pivots are below and in the rear of the pivots *b* of the levers F, substantially as described.

FRED W. TOBEY.

Witnesses:
WM. J. PECK,
GUS HAMPSON.