(No Model.) 3 Sheets—Sheet 1.

F. VETTER.

TYPE WRITER CABINET.

No. 490,593. Patented Jan. 24, 1893.

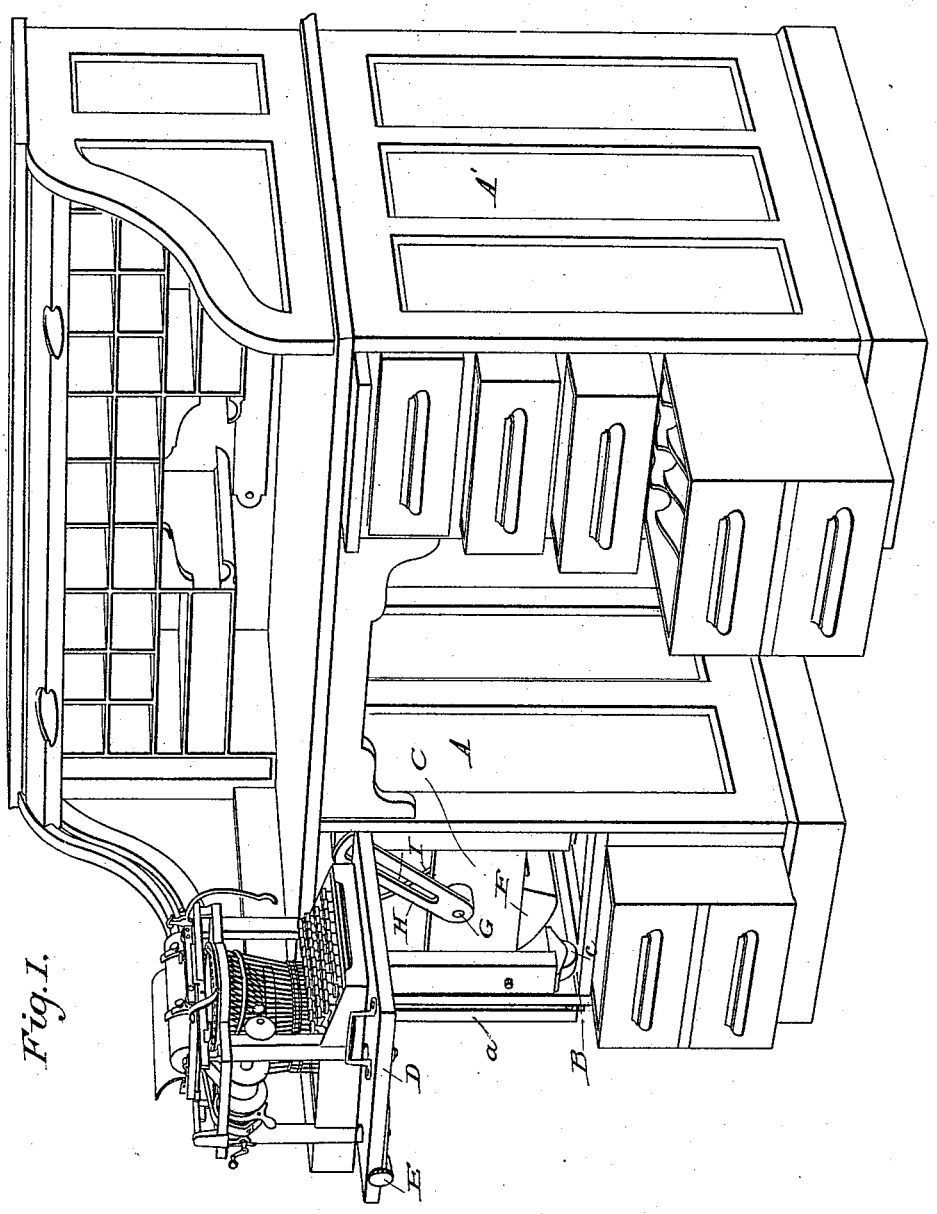

Fig. 1.

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(No Model.) 3 Sheets—Sheet 2.

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Fig. 2.

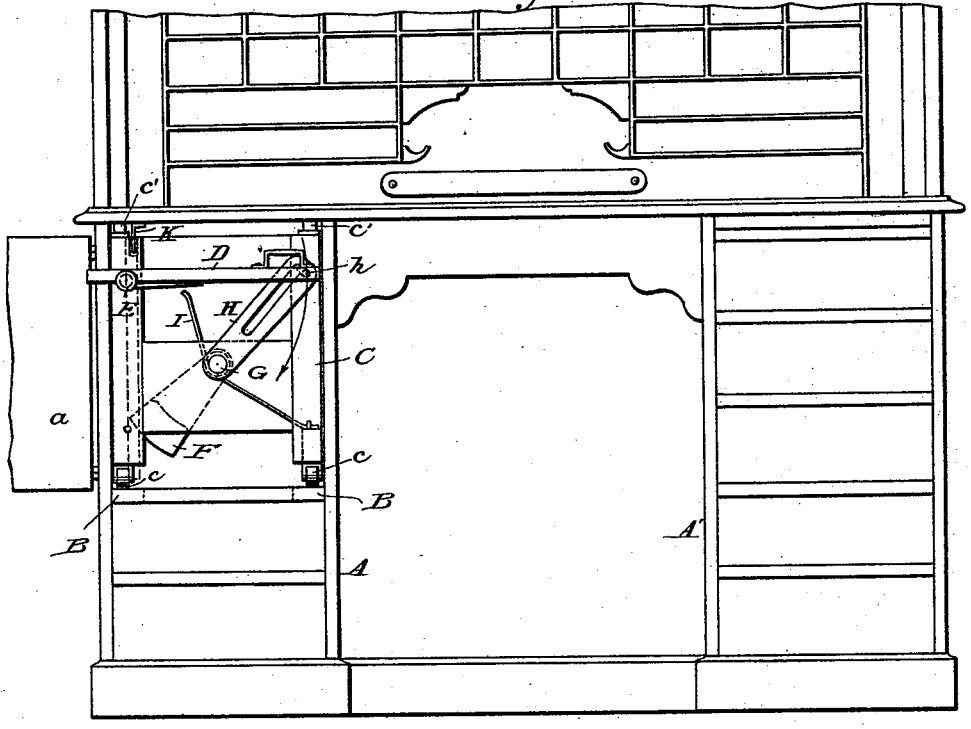
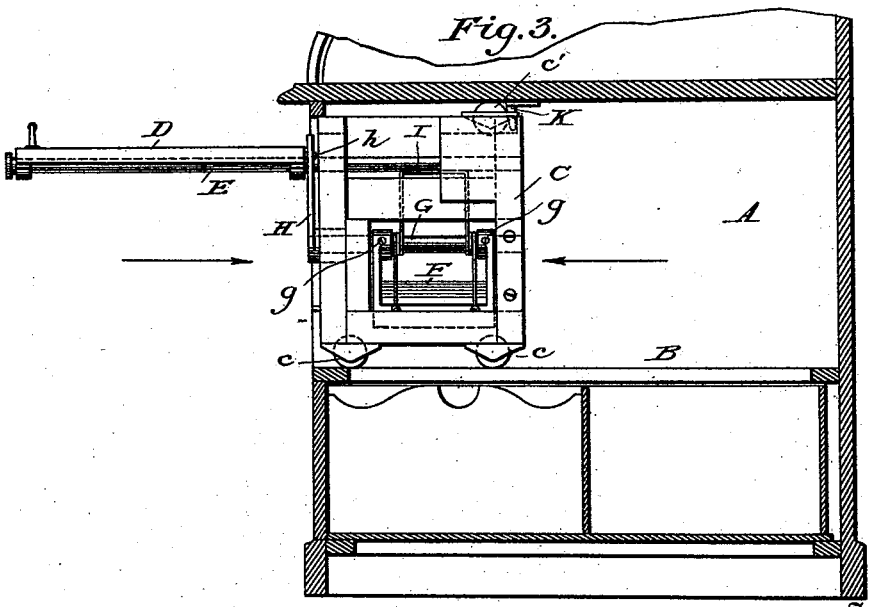


Fig. 3.



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(No Model.) 3 Sheets—Sheet 3.

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TYPE WRITER CABINET.

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Fig. 4.

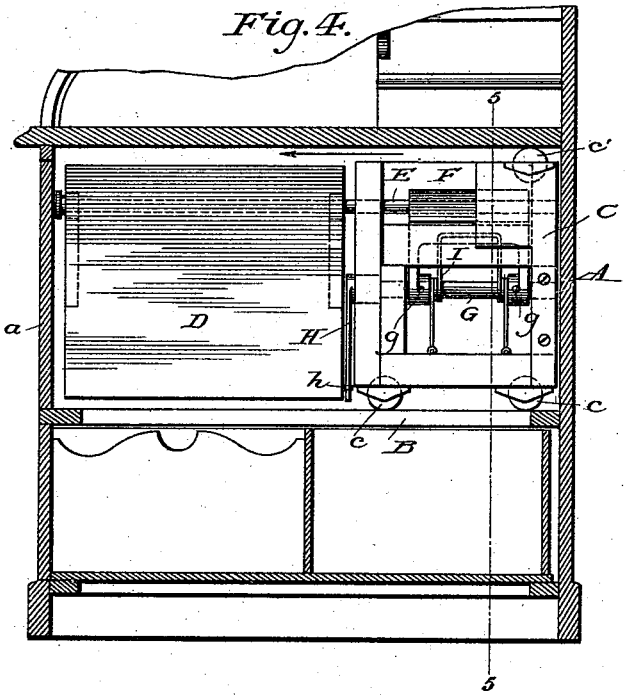
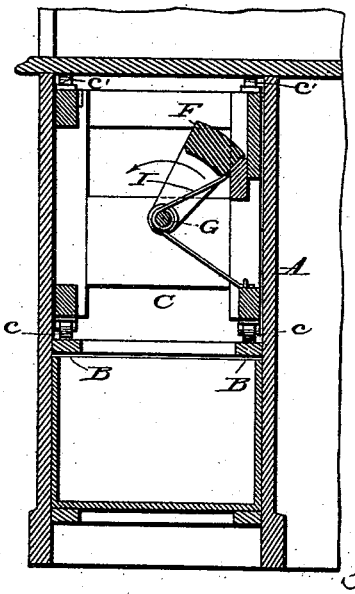


Fig. 5.

on line 5—6.



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UNITED STATES PATENT OFFICE.

FREDERICK VETTER, OF ROCHESTER, NEW YORK.

TYPE-WRITER CABINET.

SPECIFICATION forming part of Letters Patent No. 490,593, dated January 24, 1893.

Application filed September 22, 1892. Serial No. 446,630. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK VETTER, of Rochester, county of Monroe, and State of New York, have invented a new and useful Improvement in Type-Writer Cabinets, of which the following is a specification.

My invention relates to type-writer cabinets, and it consists in sustaining the type-writer on a platform or support mounted in a horizontal axis on a carriage movable back and forth within the cabinet so that the type-writer may be moved with the carriage to the front of the cabinet and then turned on its axis into an operative position ready for use.

The invention also consists in the details of construction and combinations of parts hereinafter described and claimed.

I prefer to utilize the upper portion of one of the side sections of an ordinary office desk for my cabinet, by forming therein a chamber extending transversely of the desk that is, from front to rear and providing the same with guides adapted to receive a sliding carriage, which latter sustains at its front near its outer side, on a horizontal axis extending in the direction of the movement of the carriage, a support for the type-writer, the arrangement being such that the type-writer may be turned to a vertical position and moved rearward within the cabinet when not in use. The invention, however, is not to be confined to its application in this particular manner, as its applications may be varied, provided the type-writer is so sustained that it may be turned from an operative position and moved with its sustaining carriage within the chamber.

In the accompanying drawings,—Figure 1 is a perspective view of an office desk having my invention embodied therein. Fig. 2 is a front elevation of the same. Fig. 3 is a longitudinal section through the transverse chamber and the type-writer support, the latter being in its operative position. Fig. 4 is a similar view with the type-writer and support in an operative position within the chamber. Fig. 5 is a vertical section on the line 5—5 of Fig. 4.

The drawings show my invention applied to a common form of office desk, comprising two side sections A A′, surmounted by a top and so arranged that a central space is left between the sections. The section A has its lower portion provided with its usual drawers, while its upper portion is in the form of a trunk or chamber extending transversely of the desk and adapted to receive the type-writer when the latter is not in use. This chamber is closed by a door *a*.

The chamber is provided at its base at opposite sides with ledges or tracks B, adapted to support a sliding carriage C, which is provided on its lower opposite edges with rollers *c*, arranged to travel on the track, and at its top it is provided with rollers *c′*, in position to move in contact with the under side of the top of the desk. The carriage sustains a platform D, upon which the type-writer may be secured by any appropriate means. This platform is rotatively supported near its outer edge on the projecting end of a rock-shaft E, which is mounted in bearings in the carriage located near its outer edge, and extends in the direction of the movement of the carriage or transversely of the desk; the arrangement being such that the platform may be turned down from the horizontal position as indicated in Fig. 2, to a vertical position, as shown in dotted lines in said figure.

In order that the weight of the machine may be counterbalanced so that the swinging movement of the platform will be regular, I provide a counterbalance weight F, which is preferably of U-form, the ends of the two parallel arms being mounted on a horizontal rock-shaft G, and secured rigidly thereto by means of set-screws *g*, or by other suitable means. The rock-shaft G is sustained in bearings in the sliding carriage and extends in the direction of the movement of the same. At its forward end, beyond the carriage, the shaft is provided with a lateral fixed arm H, having a slot formed therein, which extends lengthwise of the arm and then transversely at its end. This slot is adapted to receive a pin *h*, projecting from the platform at its inner rear edge. As a result of the foregoing construction it will be seen that as the plat-

form is moved from its horizontal to its vertical position and vice versa, the pin will move in the slot in the arm and owing to the connection of the latter with the shaft carrying the counterbalance weight the latter will act on the platform in such manner as to arrest, to a certain extent, its movement and thus counteract the weight of the type-writer. When the platform is in its horizontal position the counterbalance weight will cause the arm to assume such a position that the pin on the platform will extend in the transverse end of the slot so that the platform will be supported in this position, it being necessary when it is desired to turn the same downward to move the end of the arm inward until the pin enters the longitudinal slot therein.

In order that the downward movement of the platform may be further retarded and be subjected at the end of its movement to a cushioning action, I provide a spring loop I, which is coiled around the rock-shaft G, and has its ends fixed to the carriage. The loop is so arranged that it will extend in the path of the weight F, at a point adjacent or near where it finally encounters the side of the carriage, the result being that the weight is prevented from moving violently in contact with the carriage.

From the foregoing description it will be seen that the type-writer is sustained on a platform which is mounted on a horizontal rock-shaft carried by the sliding carriage, which latter is mounted to move back and forth in the chamber. When in an operative position the type-writer will be sustained in a horizontal position at the side of the desk in front of the same at the left side, so that the occupant of the desk has but to turn in his chair to the left to be in position to operate the type-writer.

When not in use the machine may be placed in the chamber by first turning the platform downward bodily to a vertical position, and then moving the carriage to the rear within the chamber.

To limit the forward movement of the carriage so that it may be arrested at the proper point and be prevented from escaping from the chamber, I provide the under side of the top of the desk with a downwardly-extending finger K, so located that it will be encountered by the rear end of the carriage when the latter is in the forward portion of the chamber. The front of the carriage is slotted or a loop formed to admit of the passage of the finger when the former is moved to the rear end of the chamber.

Having thus described my invention, what I claim is,—

1. In a type-writer cabinet the combination of a receiving chamber open at the front, a supporting carriage mounted to slide back and forth in said chamber, and a machine-support or platform on said carriage. rotatively mounted to turn down in front of the same.

2. In a type-writer cabinet the combination of a receiving chamber open at the front, a carriage mounted to slide back and forth in said chamber, and a machine supporting table or platform rotatively supported on a horizontal axis projecting from the carriage.

3. In a type-writer cabinet the combination of a receiving chamber, a supporting carriage mounted to slide back and forth in said chamber, and a machine supporting table or platform rotatively mounted on a horizontal axis projecting from the carriage in the direction of the line of movement of the latter.

4. In a type-writer cabinet the combination of a receiving chamber, a supporting carriage mounted to slide back and forth in said chamber, a machine supporting table rotatively mounted on a horizontal axis projecting from the carriage in the direction of movement of the latter, and a stop for holding the table in horizontal position.

5. A type-writer cabinet comprising an office desk having at one end a chamber open at the front, a carriage in said chamber adapted to slide back and forth therein, and a platform or table supported on a horizontal shaft in front of the carriage and adapted to swing down in a plane at right angles to the line of movement of the carriage.

6. The combination with the chamber of the sliding carriage therein, the platform sustained by the carriage on the horizontal axis parallel with the direction of movement of the same, the counterbalance weight also sustained by the carriage on a horizontal axis and suitable connections between the counterbalance weight and the platform. to secure the latter in horizontal position.

7. The combination with the chamber provided with guides of the carriage movable back and forth therein, the downwardly-swinging platform sustained by said carriage, the counterbalance weight sustained by the carriage on a horizontal axis, the slotted arm carried by the counterbalance weight and the pin attached to the platform and engaging the slot in the arm.

8. The combination with the desk having the transverse chamber of the sliding carriage movable back and forth therein and the platform rotatively sustained by said carriage on a horizontal axis extending in the direction of the movement of the carriage.

9. The combination of the chamber, the sliding carriage therein, the horizontal rock-shaft mounted near one edge of the carriage and extending beyond the same, the platform sustained on the projecting end of the rock-shaft, a second rock-shaft mounted in the carriage, a counterbalance weight thereon, a slotted arm carried by the second rock-shaft, a pin on the platform engaging in the slot in the arm and a retarding device adapted to resist the movement of the platform.

10. The combination with the chamber of the sliding carriage therein, a downwardly-

swinging platform sustained by the carriage, the pin projecting in its rear edge, the counterbalance weight mounted in the carriage on a horizontal axis and the longitudinally and transversely slotted arm carried by the counterbalance weight and adapted to receive the pin on the platform.

In testimony whereof I hereunto set my hand, this 16th day of August, 1892, in the presence of two attesting witnesses.

FREDERICK VETTER.

Witnesses:

WILLIAM H. SHAFFER,

HERBERT S. WILBUR.