

(No Model.)

M. BANCROFT.
TYPE WRITER-CABINET.

No. 505,646.

Patented Sept. 26, 1893.

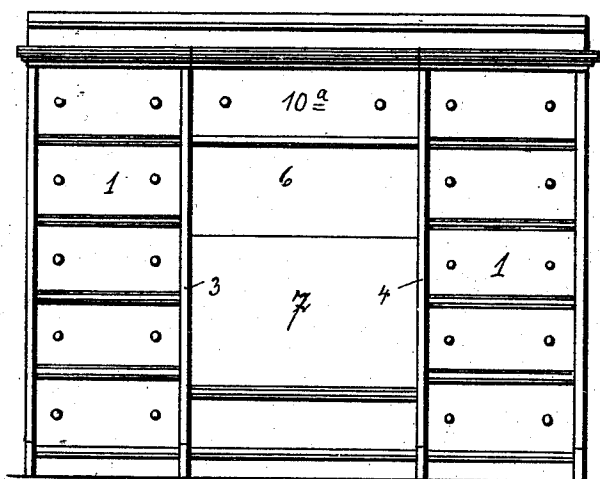


Fig. 1.

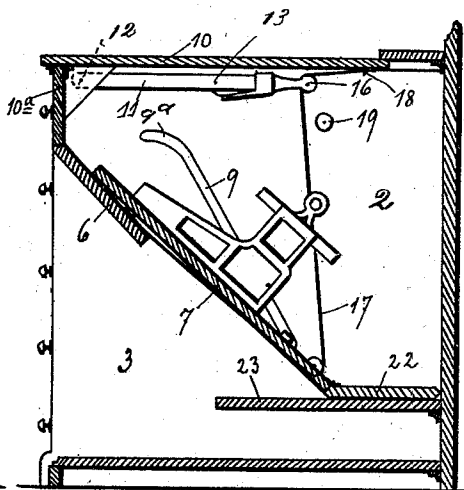


Fig. 2.

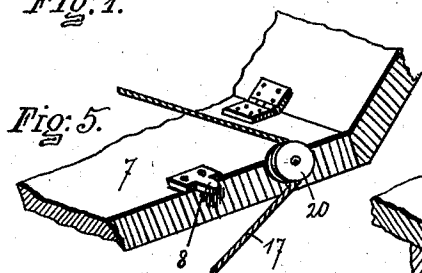


Fig. 5.

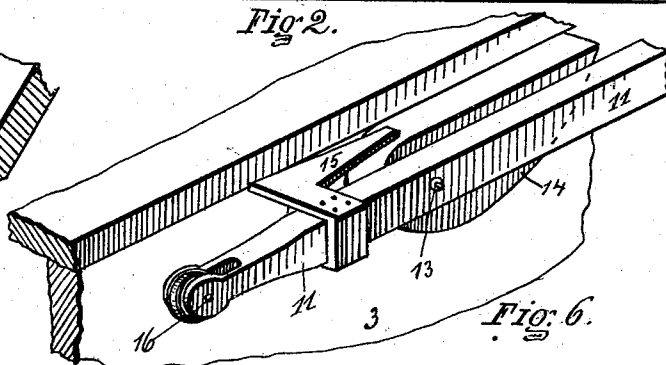


Fig. 6.

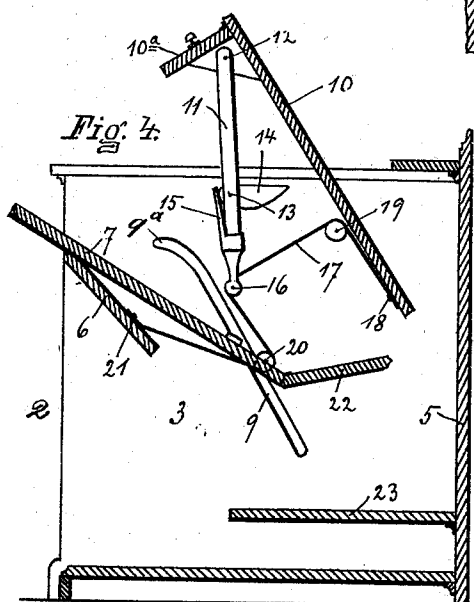


Fig. 4.

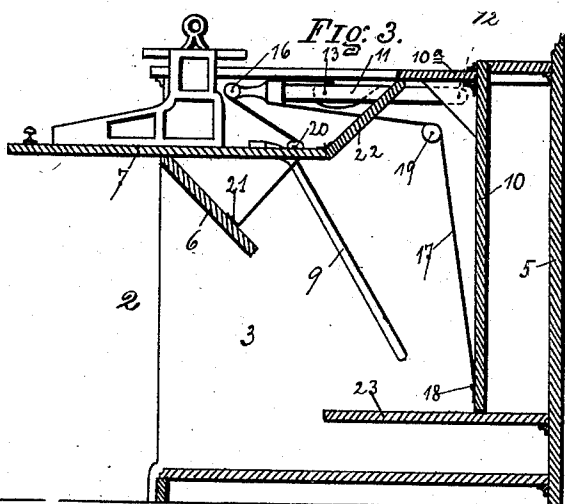


Fig. 3.

WITNESSES.
Rich. A. George.
L. C. Morse

INVENTOR.
Melvin Bancroft
By Risley Robinson
Attys

UNITED STATES PATENT OFFICE.

MELVIN BANCROFT, OF WHITESBOROUGH, NEW YORK, ASSIGNOR TO THE
QUIGLEY FURNITURE COMPANY, OF SAME PLACE.

TYPE-WRITER CABINET.

SPECIFICATION forming part of Letters Patent No. 505,646, dated September 26, 1893.

Application filed August 13, 1892. Serial No. 443,006. (No model.)

To all whom it may concern:

Be it known that I, MELVIN BANCROFT, of Whitesborough, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Type-Writer Cabinets; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to an improvement in typewriter cabinets.

In the drawings Figure 1 shows a front elevation of my improved cabinet in closed position. Fig. 2 shows a vertical section through the well of the cabinet, the parts being shown in closed position. Fig. 3 shows the same section with the parts in open position. Fig. 4 shows the same parts in half open position. Figs. 5 and 6 show enlarged details of the construction.

The cabinet 1 is provided with well 2 having side walls 3 and 4 and a rear wall 5. Across the forward portion of the wall is provided an inclined shelf support 6 extending from wall 3 to wall 4. Supported on the shelf is the movable type-writer platform 7, provided with studs or projections 8 engaging in grooves or slots 9 provided in each of the walls 3 and 4. The projections 8 are preferably provided on each side of the platform.

The well cover 10 is provided with a right angular front section 10^a adapted to form a front portion of the case when in closed position and the cover is mounted upon a swinging arm 11 pivoted to the cover at 12 and to the case at 13. On the side walls of the well are provided cam shaped blocks 14 rigidly secured thereto, and on which the arm 11 is pivoted. The arm 11 extends to the opposite side of the pivotal point 13 from the end to which the cover is attached and is provided with cushioned spring 15 which binds and slides on the cam shaped surface of the block 14. In the end of the arm 11 is provided a pulley 16. A strap or cord 17 is secured to the rear end of the cover at 18 and passes around a pulley 19 pivoted on one of the side walls of

the well, thence around pulley 16 in the end of the arm 11, thence around a pulley 20 provided on the inner end of the platform, and is secured at its opposite end at 21 to the supporting shelf 6. The inner end of the platform is provided with an extension 22, which may be hinged to the inner end of the platform and which extension is adapted to close the otherwise open space between the inner end of the platform and the cover when the case is in open position.

23 is a false bottom or shelf adapted to support the inner end of the type-writer platform in closed position or the inner end of the well cover in open position.

The operation of the device is substantially as follows: With the parts in the position shown in Fig. 2, by grasping the forward end of the cover 10, and turning the same upward, the cover is carried by the arm 11 upward into the position shown in Fig. 4, and thence drops and slides down into the rear portion of the case, in the position shown in Fig. 3; at the same time, by reason of the connection made by the cord 17, the typewriter platform 7 is carried upward and into position for use; the projections 8 sliding along the grooves 9 in the walls of the well. The last movement is to slide the projection 8 onto the horizontal portion 9^a of the groove 9, in which position the inner end of the platform is supported against vertical pressure and is prevented from tilting over the shelf support 6 by reason of an excess of weight on the outer end of the platform. To close the case, the platform is slid backward to get it off from the horizontal portion of the slot and it thence passes down into the case, causing the cover, by means of the connection 17 and arm 11 to rise out of the rear of the case and assume its position to close the case. The cover 10 is prevented from closing with a slam and is cushioned down by means of the spring 15 engaging the cam block 14. The shape of the block is such as to cause the spring to exert the greatest pressure and cushioning power at the time that the cover reaches its closed position.

The construction may be modified by dispensing with the pulley 16 on the end of the arm 11, and the portion of the arm carrying

it and providing a pulley in fixed position on the wall of the case or well about in the position in which the pulley 16 is in, as shown in Fig. 3.

5 What I claim as new, and desire to secure by Letters Patent, is—

1. The combination in a typewriter cabinet having a well, of a sliding and tilting platform, a support upon which it is capable of
10 sliding, a cover, an arm pivoted to the front portion of the cover and to the cabinet, and a flexible connection attached at one end to a fixed part of the cabinet and at the other to the rear end of the cover and engaging with
15 the platform and passing over a fixed roller in the upper portion of the case, substantially as set forth.

2. The combination in a typewriter cabinet having a well, of an inclined groove on the side
20 of the well, a typewriter platform having a projection engaging in the groove, a support for the platform in front of the well over which it is capable of tilting or sliding, a cover for the well, and a flexible connection attached
25 at one end to the cover and at the other to a fixed part of the cabinet and engaging with the platform, and a fixed roller between its points of attachment, substantially as set forth.

3. The combination in a typewriter cabinet having a well, of a platform mounted therein, a support in the front of the well over which the platform is adapted to slide and tilt, a
30 cover, an arm pivoted to the front end of the cover and to the case, substantially midway between the front and back of the well, and a flexible connection connected at one end to the cover and at the other with a fixed portion of the case and engaging with the rear
35 end of the platform and a fixed roller in the upper portion of the case between its ends, substantially as set forth.

4. A cabinet having a well, a platform support in the front of the well, a sliding and
45 tilting platform, a cover, an arm pivoted to the forward end of the cover and to the cabinet and carrying a pulley in the end of the arm, and a flexible connection extending between the platform support and the rear end
50 of the cover and engaging with the arm and the platform, substantially as set forth.

5. A type-writer cabinet having a well, a sliding and tilting platform, a support for the

platform in the front of the well, a cover, and a flexible connection attached at one end to
55 the cover and at the other to a fixed part of the cabinet and engaging with the platform and with a fixed roller in the upper part of the case between its two points of attachment, all combined substantially as set forth.
60

6. A type-writer cabinet having a well, a sliding and tilting platform, a support for the platform in the front of the well, a groove or
65 guide on the wall of the well behind the support inclining from the front downward toward the rear and provided with a short horizontal rest at its upper end, a projection from the platform engaging the groove or guide, a cover, and a flexible connection attached at
70 one end to the cover and at the other to a fixed portion of the case and engaging with the platform, and a fixed roller in the upper rear portion of the case between its two points of attachment, all combined substantially as set forth.
75

7. A type-writer cabinet having a well, a sliding and tilting platform, a support for the platform in the front of the well, a cover for the well, an arm pivoted at one end to the
80 front end of the cover and at the other to the cabinet, substantially in the middle of the well from front to rear and extending beyond its pivotal point and carrying a roller in its swinging end, and a flexible connection attached at one end to the cover and at the
85 other to a fixed portion of the case and engaging with the platform and a roller in the end of the arm between its two points of attachment, combined substantially as set forth.

8. In a type-writer cabinet having a well, a
90 tilting platform mounted in the well, a cover for the well, a connection between the rear end of the cover and the inner end of the platform, an arm pivoted at one end to the front end of the cover and near the other end
95 to the case, a camming block secured to the case at the case end of the lever, and a spring mounted on the arm and acting on the camming face of the block, combined substantially as set forth.
100

In witness whereof I have affixed my signature in presence of two witnesses.

MELVIN BANCROFT.

Witnesses:

N. M. SCHUYLER,
GEORGE C. CARTER.