

(No Model.)

2 Sheets—Sheet 1.

C. LARSON.

DESK FOR TYPE WRITING MACHINES.

No. 465,443.

Patented Dec. 15, 1891.

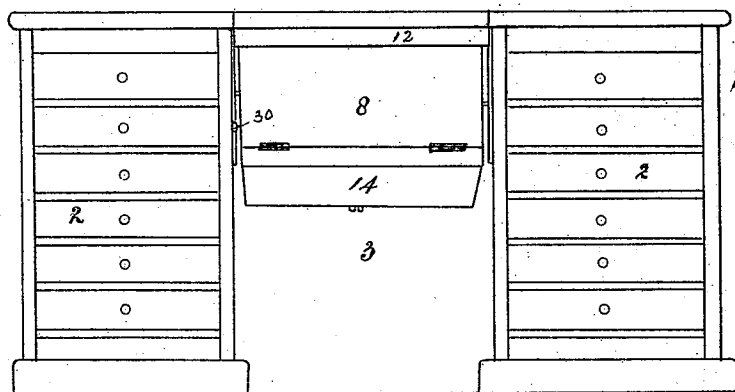


Fig. 1

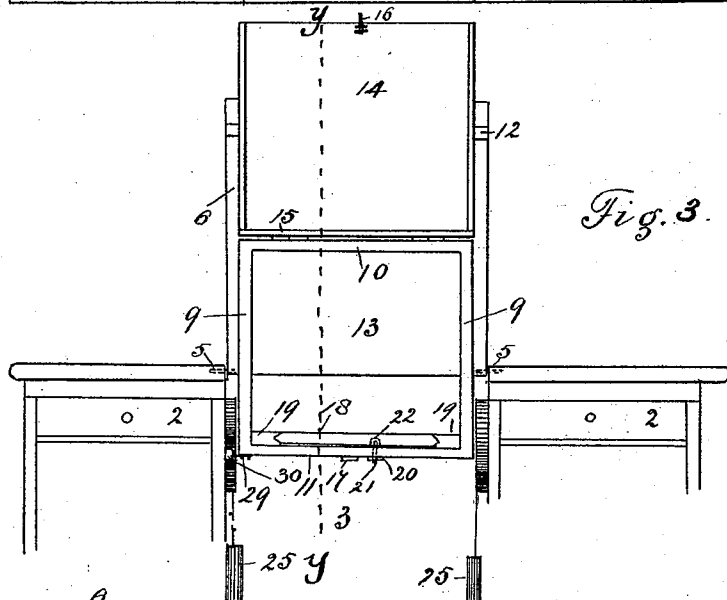


Fig. 3

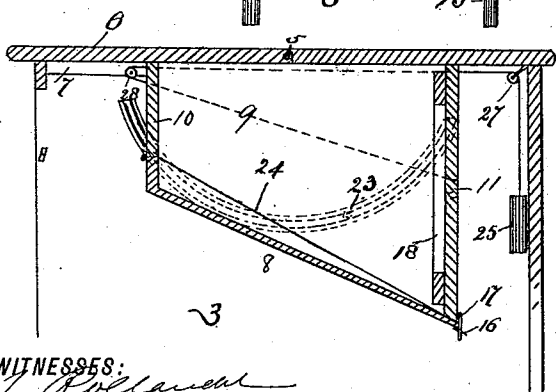


Fig. 4

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CHRIS LARSON, OF DENVER, COLORADO.

DESK FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 465,443, dated December 15, 1891.

Application filed January 20, 1890. Serial No. 337,542. (No model.)

To all whom it may concern:

Be it known that I, CHRIS LARSON, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Desks for Type-Writing Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as 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 figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in desks especially designed for type-writing machines, but which may also be used for ordinary office purposes.

The object of my invention is to provide a desk of the class stated having a receptacle for the type-writing machine, said receptacle being capable of such adjustment that when raised the machine is in operative position for use and when closed the entire receptacle is concealed within the desk, leaving the top of the desk flat and smooth and therefore in condition for general office use, said device to be simple in construction, economical in cost, easily operated, reliable, and durable; to which ends my invention consists in the features, arrangements, and combinations hereinafter described and claimed.

In the drawings is illustrated an embodiment of my invention, in which drawings—

Figure 1 is a front elevation of the device closed. Fig. 2 is a plan view of the same. Fig. 3 is a front elevation of the desk open. Fig. 4 is a vertical section taken on the line *x x*, Fig. 2. Fig. 5 is a vertical section taken on the line *y y*, Fig. 3.

In the views let the reference-numeral 1 indicate the main body of the frame-work of a desk of any suitable size, herein shown as provided with a row of drawers 2 on each side of a central space 3, according to the usual mode of constructing office-desks. The top of the desk is also cut away above the space 3 from the front toward the rear a suitable distance, (herein designated by the line 4 in Fig. 2.)

Within the space formed by cutting away the top of the desk, as just described, is hinged or pivoted at 5 5 a lid 6 of sufficient size to

swing easily on its hinges and to fill the space when the lid is closed, as shown in Figs. 1 and 2. This lid is supported by suitable strips 7, secured to the top of the desk on each side of space 3.

8 is a receptacle or box of suitable size for the reception of the type-writing machine, and, as herein shown, being of a shape suitable for the Caligraph or Remington machines, which may be considered as types of the class of machines with which my improved device may be used. This receptacle is constructed of the sides 9 9, which may be shaped as shown in Figs. 3 and 5—that is, increasing in width from the top part 10 to the bottom part 11. In speaking of the parts of the box and its attachments I shall suppose the same to be in the position shown in Fig. 5. When in this position, the rear edges of the sides 9 are secured to the front surface of the lid 6, the sides of the box also extending a considerable distance below the top of the desk and within space 3. This lid 6 extends considerably above the top of the box and is provided with a cleat 12, secured transversely across its forward surface near the top. The front opening of the box may be closed by the lid 14, hinged to the top of the box at 15. When lid 14 is open, it rests against and is supported by the cleat 12. Lid 14 is provided with a small locking-pin 16, which when the lid is closed, enters a corresponding aperture in a small leaf-spring 17, secured to the under surface of the bottom of the box.

18 is a sliding frame having its side edges V-shaped and adapted to slide in corresponding grooved ways formed in the side guides 19, secured to the upper surface of the bottom of the box.

The type-writing machine rests upon the sliding frame 18, and when in use may be drawn out of the box any desired distance, according to the wish of the operator.

20 is a small leaf-spring secured to the under surface of the bottom of the box. To this spring is secured the pin 21, projecting vertically therefrom through an aperture in the bottom of the box far enough above its inner surface to engage a socket formed in the under side of the front cross-bar 22 of the sliding frame, thereby retaining said frame securely in position when desired or when it is not neces-

sary to use the same. When it is necessary or desirable to draw the machine out of the box farther than its normal position therein, the spring 20 is pressed sufficiently to release the front cross-bar of the frame from engagement with the pin 21, when the frame may be drawn out at will. Pin 21 is also useful in preventing the sliding frame from being accidentally entirely withdrawn from the box, since said pin projects sufficiently to engage the rear cross-bar of the frame, and this engagement must take place before the frame can be entirely removed from the box.

Each side 9 of box 8 is provided with a lug 23. These lugs are adapted to move within grooved ways 24 in adjusting the position of the box from that shown in Fig. 5 to that illustrated in Fig. 4. During this adjustment of the box the lugs 23 describe the arc of a circle, having for its radius the distance from the lugs 23 to the hinges or pivots 5 of plate 6. Hence the grooved ways 24, within which lugs 23 move, must have a corresponding curve, which if continued would form a circle having the pivotal point of the lid 6 for its center. The adjustment of box 8 is further facilitated and the receptacle steadied by the use of the weight 25, secured to one extremity of the cords 26, which pass over the pulleys 27 and 28, suitably secured underneath the top of the desk, as shown, and thence down to the bottom of the box, where it is made fast. When raised to the position shown in Fig. 5, the box is supported by a locking-pin 29, secured to one side of the box and entering an aperture in a suitable spring 30, secured to the interior of the desk at one side of the space 3.

When it is desired to lower the desk to the position shown in Fig. 4, spring 30 is pressed until it releases the lug or pin 29. The box then is easily lowered to the position shown in Fig. 4.

The lid 14, when occupying the position shown in Figs. 3 and 5, forms a support for the manuscript or notes from which the operator is copying or transcribing.

Having thus described my invention, what I claim is—

1. In a desk having a well 3 therein between its sides, the combination, with a portion 6 of

the top of the said desk, the said portion 6 being pivoted at its rear edge and adapted to cover the said well when down and to turn upward and back to a perpendicular position, of a receptacle consisting of sides and of a bottom, the said sides being rigidly secured to the under side of portion 6 and projecting to behind the pivotal point thereof, and the bottom being secured to the rear ends of the said sides in a plane at right angles to the plane of the portion 6, as described.

2. In a desk having a well 3 therein between its sides, the combination, with a portion 6 of the top of the said desk, the said portion 6 being pivoted at its rear edge and adapted to cover the said well when down and to turn upward and back to a perpendicular position, of a receptacle consisting of sides and of a bottom, the said sides being rigidly secured to the under side of portion 6 and the bottom being secured to said sides in a plane at right angles to the plane of the portion 6, lugs upon the sides of the said receptacle, and circular ways secured to the desk and engaging the said lugs, as described.

3. In a desk having a well 3 therein between its sides, the combination, with a portion 6 of the top of the said desk, the said portion 6 being pivoted at its rear edge and adapted to cover the said well when down and to turn upward and back to a perpendicular position, of a receptacle consisting of sides and of a bottom, the said sides being rigidly secured to the under side of portion 6 and the bottom being secured to said sides in a plane at right angles to the plane of the portion 6, lugs upon the sides of the said receptacle, and circular ways secured to the desk and engaging the said lugs, a pulley mounted in the upper forward portion of the said desk, a cord passing over the said pulley and having its one end connected to the said base-board, and a weight secured to the opposite end of the said cord, as described.

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

CHRIS LARSON.

Witnesses:

FRED. W. FELDWISCH,
WM. McCONNELL.