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W. B. WILSON

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ADJUSTABLE TYPEWRITER DESK

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2 Sheets-Sheet 2

Fig. 4.

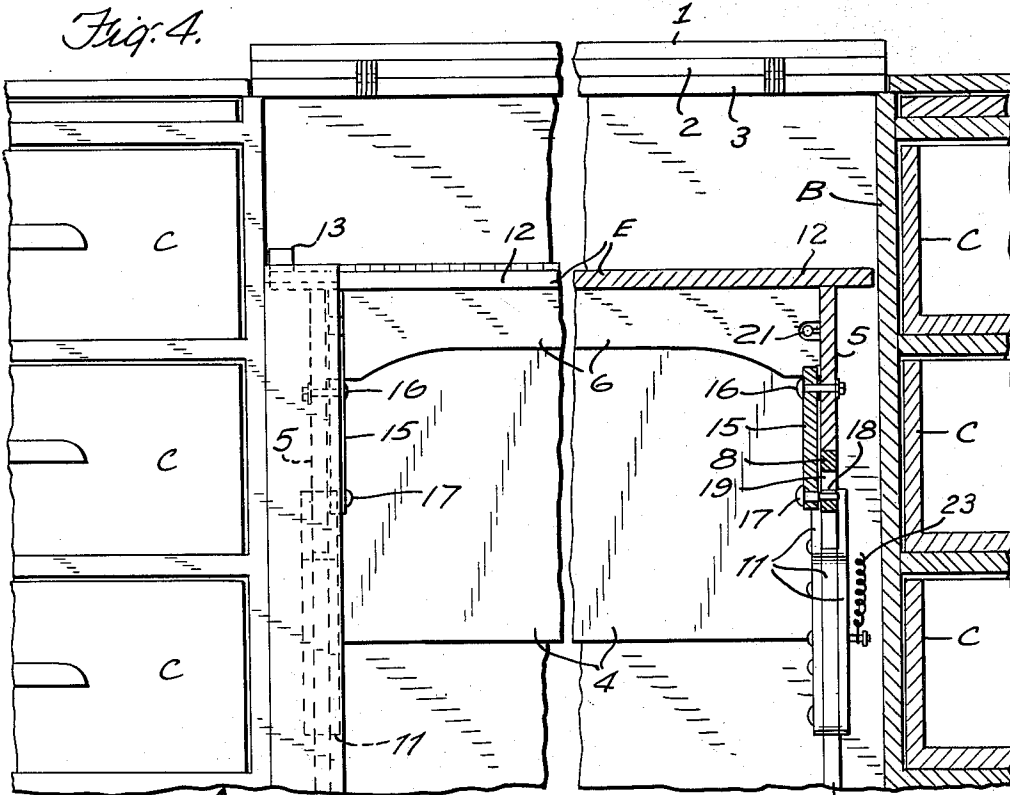
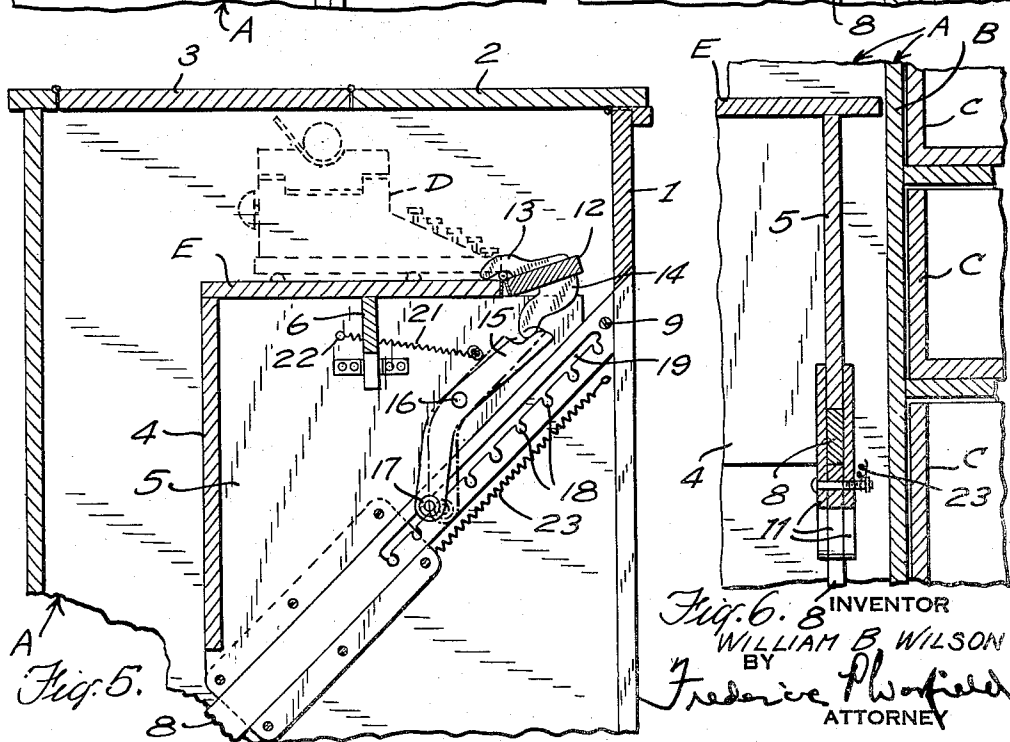


Fig. 6. 8 INVENTOR  
WILLIAM B. WILSON  
BY  
Frederic Phaff  
ATTORNEY

## UNITED STATES PATENT OFFICE

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## ADJUSTABLE TYPEWRITER DESK

William B. Wilson, Mount Vernon, N. Y.

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5 Claims. (Cl. 312-29)

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This invention relates to work desks and is primarily intended for typewriter desks but may be used for other purposes.

An object of the invention is to provide a work desk equipped with a platform which may carry a typewriter or may be used for other work, which platform may be easily and readily adjusted by the operator to different levels, and is securely locked at each adjusted level.

Other objects of the invention will in part be obvious and will in part appear hereinafter.

The invention accordingly comprises an article of manufacture possessing the features, properties, and the relation of elements which will be exemplified in the article hereinafter described, and the scope of the application of which will be indicated in the claims.

For a fuller understanding of the nature and objects of the invention reference should be had to the following detailed description taken in connection with the accompanying drawings, in which:

Fig. 1 is a top plan view of the desk showing the upper cover folded back and the top of the platform without the typewriter;

Fig. 2 is a section through the center of the desk with a dotted-line showing of the platform in one of its adjusted positions;

Fig. 3 is a section on the line 3-3 of Fig. 2 looking in the direction of the arrows;

Fig. 4 is a broken view, the part at the left being a front elevation and at the right being a section on the line 4-4 of Fig. 2;

Fig. 5 is a sectional view showing the locking and adjusting mechanism in position ready for adjustment of the platform and in dotted lines as it is locked at adjusted position; and

Fig. 6 is a section on the line 6-6 of Fig. 2 looking in the direction of the arrows.

The proper adjustment of the typewriter platform in a typewriter desk is of very special importance in that adjustment conforming to the height of the operator, which may be anywhere from 4 ft. to 6 ft. 6 in., is of very special importance both from the standpoint of the health of the operator and the character and speed of the work done. The same applies, though possibly to a lesser degree, to anyone working at any desk, whether with a pen or otherwise. If the work platform of the desk can be readily adjusted and locked to a height corresponding to the height of the person using the desk, marked advantages will ensue. The present invention shows a compact, efficient, practical means of accomplishing these results.

The desk as shown also has an advantage in

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that it will house a long carriage typewriter or any machine not over 11½ in. in height by 35 in. in length. There is no desk on the market that will house a long carriage typewriter, which in many offices is placed on ordinary tables or tops of desks.

The drawings show a typical desk A with side walls B, side drawers C, and a folding cover top comprising three hinged sections 1, 2, and 3, which can be folded down as shown in Fig. 5 to cover the typewriting machine, shown diagrammatically at D, when not in use.

The platform of this desk has a flat work-carrying top E, a rear wall 4, and side walls 5, and shows a stiffening rib 6 passing between guides 7. This platform is mounted for adjustment to different levels along inclined guides 8 held at their ends, as shown, by screws 9 into studs 10 carried by the side walls of the desk, and, to the extent of the length of the studs, spaced from said side walls. A housing 11 shown as screwed to the platform is provided encircling each of the guide members 8 so that the platform may be readily moved along said guide members.

The top section of the platform is as shown equipped at its end toward the operator with a hinged section 12 carrying a stop member 13 which, as shown in Fig. 5, when the hinged section is raised contacts with the top of the platform E and prevents an undue raising of the hinged section which might put undue strain upon the connected parts. This hinged section carries on its lower side a member 14 which has a rubbing action as shown against the upper end of a bent lever 15 pivoted at 16 to the side wall of the desk platform and carrying at its lower end an anti-friction roll 17 adapted to fit in any one of the cut-out depression openings 18 on the lower side of a long central slot 19 in the guide member 8. As will be seen from Fig. 2, these openings 18 are shaped in the form of arcs of a circle so that the curve goes in above the roll both up and down. This results in holding the lever 15 in position against accidental dislodgement in both directions, whether from a tendency to move up or down. Its releasing movement is accordingly in a substantial straight line movement out of the depression.

It will thus be seen by reference to Fig. 2 that if the operator wishes to raise the desk platform from the position shown in full lines in this figure to a position shown in dotted lines, she takes hold of the hinged section 12, inserting the fingers of each hand in the hand holds 20, raising this hinged section slightly to bring it to the position

shown in Fig. 5, which turns the lever 15 and raises its lower end out of the depression 18 so that the platform may be readily lowered or raised to a position where, upon dropping down the hinged section 12, it will be again locked in any desired position in any one of the depressions.

The spring 21 anchored to a pin 22 on the platform exerts a pull upon the upper end of the angular lever 15 and thereby holds the lower end of the locking lever in position in its depression as shown in Fig. 2. Spring 23 anchored at its upper end to the end wall of the desk and connected at its lower end to the housing 11 is extended when the desk platform is in its lowermost position and accordingly aids the operator in raising the platform to any higher position.

It will thus be seen that the construction shown accomplishes in an easy and practical manner the stated result of providing a work platform of a desk which may be adjusted to different heights by moving it vertically, and preferably as shown along an inclined path, so that this desk platform may be readily adjusted to any suitable height depending upon the height of the operator and the use to which the desk platform is to be put.

Since certain changes may be made in the above construction and different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the following claims are intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which as a matter of language might be said to fall therebetween.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a desk, a platform mounted within said desk for adjustment in height to and from the top of the desk, an inclined guide member carried by a side wall of said desk, a housing mounted for movement on said guide member, said housing being connected to said adjustable platform, a section hinged to the top of said platform on the side toward the operator, a lever pivoted to the platform, one end of said lever carrying a roll adapted to fit into depressions along said guide way, a member carried by the hinged section having a rubbing action against the upper end of said lever when the hinged section is raised.

2. In a desk, a platform mounted within said desk for adjustment in height to and from the top of the desk, an inclined guide member carried by a side wall of said desk, a housing mounted for movement on said guide member, said housing being connected to said adjustable platform, a section hinged to the top of said platform on the side toward the operator, a lever pivoted to the platform, one end of said lever carrying a roll adapted to fit into depressions along said guide way, a member carried by the hinged section having a rubbing action against the upper

end of said lever when the hinged section is raised, a spring acting upon said lever adapted to hold said roll normally in one of said depressions.

3. In a desk, a platform mounted within said desk for adjustment in height to and from the top of the desk, an inclined guide member carried by a side wall of said desk, a housing mounted for movement on said guide member, said housing being connected to said adjustable platform, a section hinged to the top of said platform on the side toward the operator, a lever pivoted to the platform, one end of said lever carrying a roll adapted to fit into depressions along said guide way, a member carried by the hinged section having a rubbing action against the upper end of said lever when the hinged section is raised, a spring acting upon said lever adapted to hold said roll normally in one of said depressions, a stop carried by said hinged section of the platform adapted to limit the upward swinging thereof.

4. In a desk, a platform mounted within said desk for adjustment in height to and from the top of the desk, an inclined guide member carried by a side wall of said desk, a housing mounted for movement on said guide member, said housing being connected to said adjustable platform, a section hinged to the top of said platform on the side toward the operator, a lever pivoted to the platform, one end of said lever carrying a roll adapted to fit into depressions along said guide way, a member carried by the hinged section having a rubbing action against the upper end of said lever when the hinged section is raised, a spring acting upon said lever adapted to hold said roll normally in one of said depressions, a stop carried by said hinged section of the platform adapted to limit the upward swinging thereof, a spring acting upon said housing and adapted to urge it toward its upper position.

5. In a desk, a platform mounted within said desk for adjustment in height to and from the top of the desk, an inclined guide member carried by a side wall of said desk, a housing mounted for movement on said guide member, said housing being connected to said adjustable platform, a section hinged to the top of said platform on the side toward the operator, a lever pivoted to the platform, one end of said lever carrying a roll adapted to fit into depressions curved about said roll, to tend to limit its releasing movement to a substantially straight line movement, a member carried by the hinged section having a rubbing action against the upper end of said lever when the hinged section is raised, a spring acting upon said lever adapted to hold said roll normally in one of said depressions.

WILLIAM B. WILSON.

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