

May 14, 1929.

C. W. KOCH

1,712,503

TYPEWRITER DESK

Filed Sept. 4, 1926

2 Sheets-Sheet 1

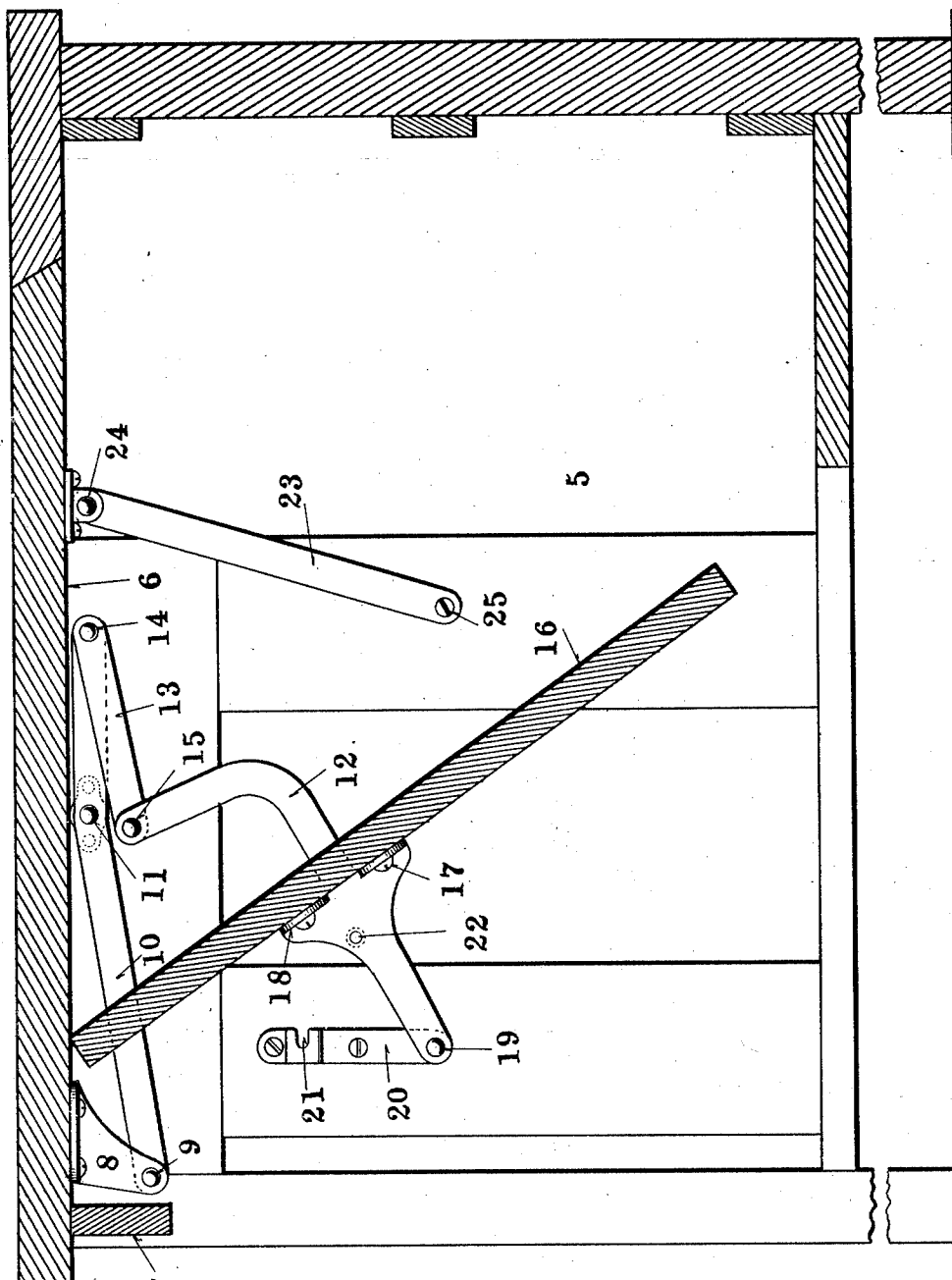


Fig. 1.

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Fig.2.

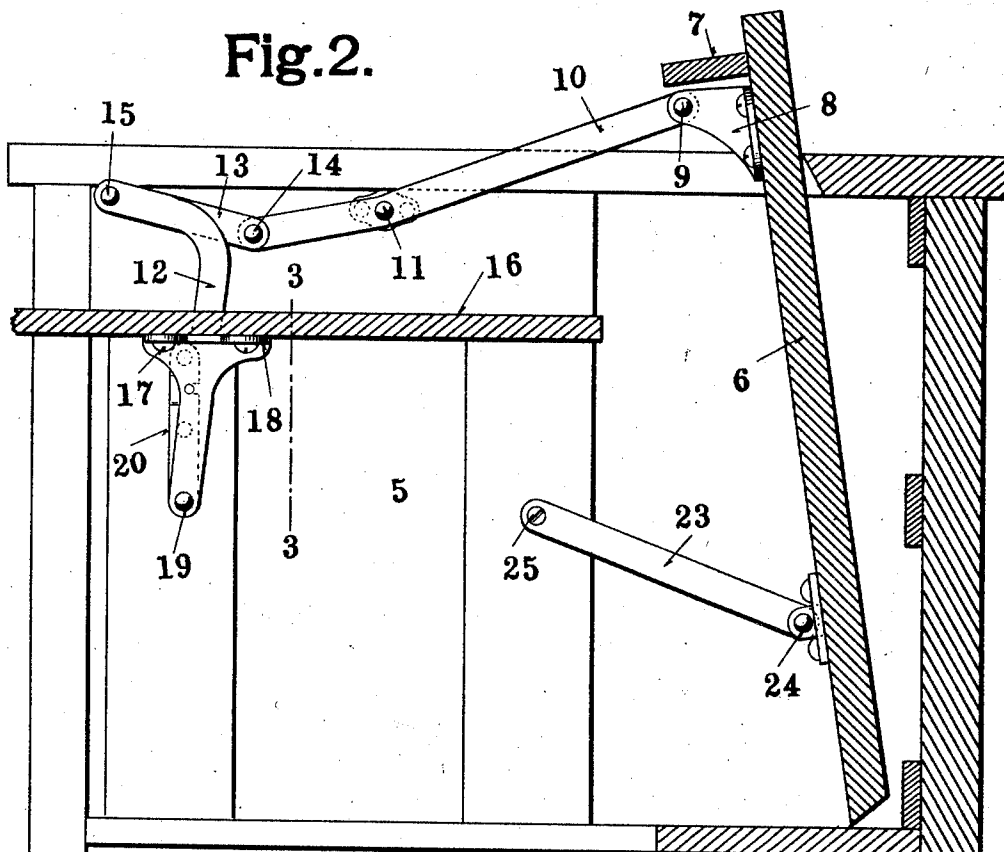


Fig.3.

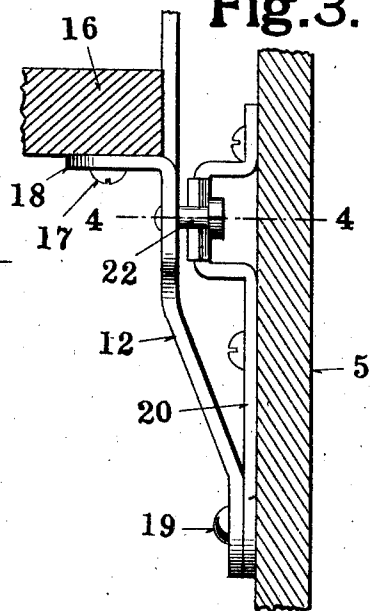
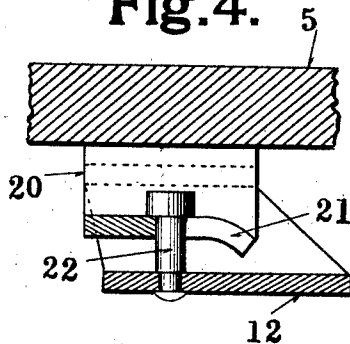


Fig.4.



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TYPEWRITER DESK.

Application filed September 4, 1926. Serial No. 133,572.

My invention relates to a typewriter desk and particularly to the desk top and the supporting table for the writing machine. One object of my invention is to increase the clearance between the desk top and table so that a large machine may be accommodated without increasing the desk dimensions.

Another object of the invention is to so arrange and proportion the connections between the top and table that the movement of the table from its inclined to its horizontal position will be accomplished mainly during the latter part of the movement of the top so that the power for lifting the machine may be applied by pushing against the top during the latter part of its movement rather than by lifting it during the first part of its movement.

Still another object of my invention is to provide interlocking means between the sides of the desk body and the table or its supports when the table is in its horizontal position thus providing a tie to prevent lateral vibration.

In the accompanying drawings, which illustrate one form of typewriter desk made in accordance with my invention, Figure 1 is a vertical longitudinal section showing the desk closed; Figure 2 is a view similar to Figure 1 but showing the desk in open position; Figure 3 is an enlarged section taken on the line 3—3 of Figure 2; and Figure 4 is a section taken on the line 4—4 of Figure 3.

The body of the desk indicated by the numeral 5 may be of any usual construction. The top 6 is provided with a front rail 7 back of which at each side of the top a bracket 8 is secured to the under face of the top. This bracket is pivoted at 9 to the front end of a bent lever 10 which is pivoted at 11 to the side of the desk body. The use of the bracket 8 permits the location of the pivot point 9 a substantial distance below the lower surface of the top and thus increases the clearance between the top and table when the desk is open. Connecting the rear end of the lever 10 with an arm 12 is a link 13, said link being pivoted at 14 to the lever and at 15 to the arm. It will be noted that the length of the link 13 is only slightly greater than the distance between the pivots 11 and 14 and that

the pivots 11 and 15 lie close to each other when the desk is closed.

Owing to this construction the first or lifting movement of the top has but little effect in raising the machine table and hence but little force is necessary for this part of the movement, nearly all the power for raising the table being communicated when the top is approaching vertical position when it may be applied by pushing against the lower face of the top.

Carried by the arm 12 is the machine table 16 which may be secured in position by screws passing through lugs 18 or in any other suitable manner. The lower end of the arm 12 is pivoted to the side of the desk body 19, preferably by means of a bracket 20. Formed in the bracket 20 is a slot 21 adapted, when the desk is in open position, to engage with a headed pin 22 carried by the arm 12. This interlocking of the arm and bracket at each side of the desk body forms through the table a rigid tie for preventing lateral vibration. The material of the bracket 20 is preferably bent inwardly adjacent to the slot 21, as best shown in Figure 4, so as to insure the proper engagement of the slot with the pin. Movement of the rear part of the top is controlled by a link 23 pivoted at 24 to the top and at 25 to the side of the desk body.

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

1. In a device of the class described, the combination with a desk body provided with a space to receive a machine, of a pair of fixed brackets secured to the side walls of said machine receiving recess, a pair of pivoted brackets carrying a machine table, headed members carried by one of said pair of brackets and engaging with the other when the table is in horizontal position to prevent relative movement in a direction perpendicular to the walls, a top, and lever connections between the top and pivoted brackets for moving the table into and out of horizontal position.

2. In a device of the class described, the combination with a desk body provided with a space to receive a machine, a pair of fixed pockets carried by the side walls of said ma-

chine receiving recess and provided with slots, a pair of brackets pivoted to said first named brackets and carrying a machine table, headed pins carried by said pivoted brackets
5 and engaging with the slots when the table is in horizontal position to prevent relative movement in a direction perpendicular to the

walls, a top, and lever connections between said top and pivoted brackets for moving the table into and out of horizontal position. 10

In testimony whereof, I hereunto affix my signature this 2nd day of September, 1926.

CLARENCE W. KOCH.