Jan. 14, 1941. M. H. RAGGIO 2,228,587

DESK

Filed Dec. 21, 1938

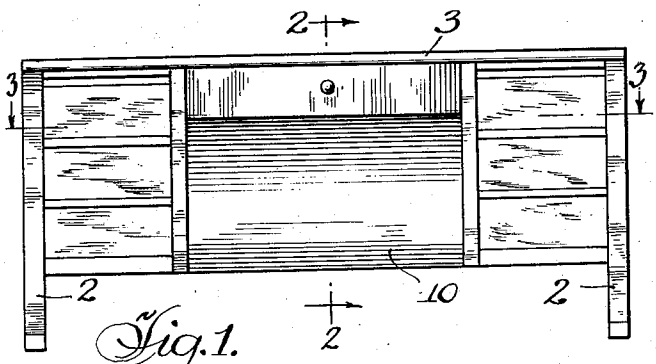


Fig. 1.

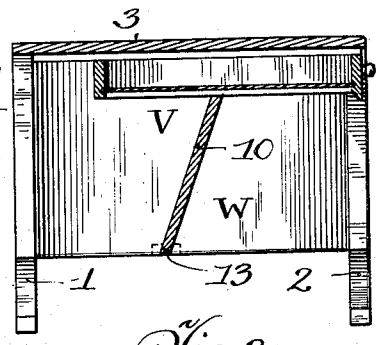


Fig. 2.

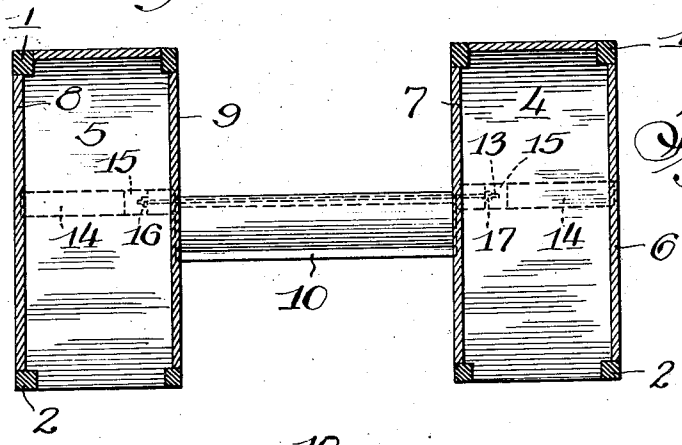


Fig. 3

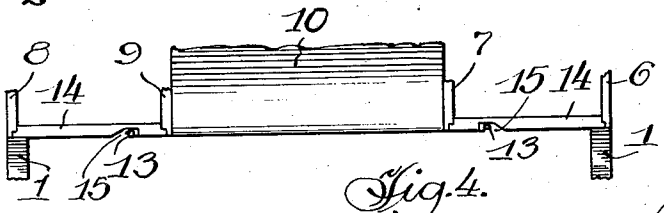


Fig. 4.

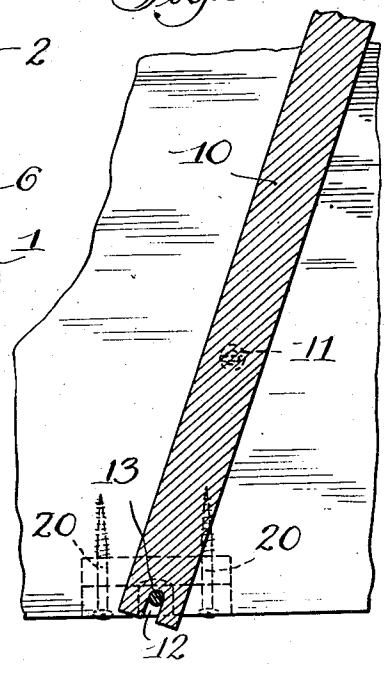


Fig. 5

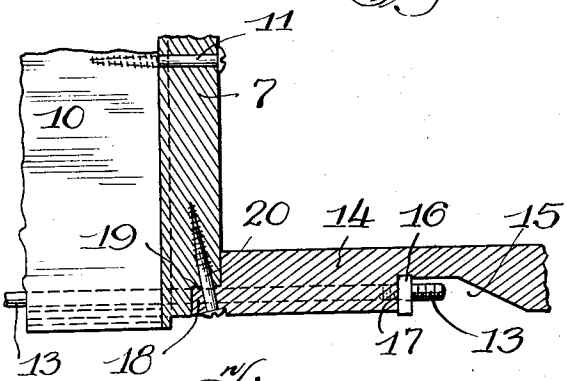


Fig. 6.

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2,228,587

UNITED STATES PATENT OFFICE

2,228,587

DESK

Maynard H. Raggio, Chicago, Ill., assignor to Clemco Desk Mfg. Co., Chicago, Ill., a corporation of Illinois

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4 Claims. (Cl. 45—6)

This invention relates to desks and more particularly to office desks, and comprehends a novel construction of desk and arrangement of tie panel.

In my desk only the end legs contact the floor, leaving the remainder of the bottom of the desk unsupported, thus throwing a tendency for the desk to bend longitudinally or sag down in the middle, which I prevent by providing a central tie panel extending and secured between the inner panels of the drawer wells.

Among the objects of my invention is to provide such tie panel and so arrange it at an angle to the vertical that the user of the desk will have abundant foot and leg room, and a visitor seated at the other side of the desk will have sufficient knee room. As is customary the regular user of a desk prefers to stretch his feet and legs outwardly away from himself, while a visitor sitting at the other side of the desk prefers to draw his feet inwardly toward his chair, protrude his knees under the desk and quite frequently place his elbows on the desk. From this it will be seen that the user of the desk requires room for his feet and the lower part of his legs, while the visitor requires room for his knees. This is provided by my invention, as well as a novel construction of desk and parts.

Other objects, advantages and capabilities inherent in my invention will later become more readily apparent.

My invention further resides in the combination, construction and arrangement of parts illustrated in the accompanying drawing, and while I have shown therein a preferred embodiment, I wish it understood that the same is susceptible of modification and change without departing from the spirit of my invention.

In the drawing:

Fig 1 is a side elevation of the front of my desk.

Fig 2 is a vertical transverse section on the line 2—2 of Fig. 1.

Fig. 3 is a longitudinal transverse section on the line 3—3 of Fig. 1.

Fig. 4 is a fragmentary detail view of the tie means for tying the parts of the desk together longitudinally.

Fig. 5 is an enlarged fragmentary vertical transverse section through the tie plate.

Fig. 6 is a fragmentary vertical longitudinal section through a portion of one end of the tie rail and associated parts.

Referring more in detail to the drawing, my invention comprises a desk having at each end a pair of legs 1 and 2 extending downwardly a desired distance to contact the floor and support the desk, a top 3, and a pair of drawer wells 4 and 5, one at each end of the desk. Drawer well 4 has an outer panel 6 and an inner panel 7, while drawer well 5 has an outer panel 8 and an inner panel 9. Extending across the underneath space between panels 7 and 9 is the tie panel 10, which together with its bracing means will now be described.

Tie panel 10 at its ends may be secured to panels 7 and 9 either by screws 11 or by having its ends set in grooves or by any other means desired, to prevent the ends of the tie panel from moving laterally with relation to panels 7 and 9. The bottom edge of tie panel 10 is formed with a groove 12 throughout its length to receive the tie rod 13 which continues through panels 7 and 9 and through holes in the tie rails 14, the ends of the tie rod extending into the recesses 15 to receive nuts 16 which are tightened against the shoulders or abutments 17.

Tie rail 14 is provided on each of its ends with a projecting flange 18 to be seated in a corresponding recess 19, with a screw 20 passing through the flange 18 and being screwed into the adjacent one of panels 6, 7, 8 and 9, to hold the tie rail and tie rod in place. While in Fig. 6 I have shown the fastening means for only one end of the tie rail, to-wit, that for securing the tie rail to panel 7, it is to be understood that the other end is secured in a similar manner to panel 6, and the same is true of the two ends of the other tie rail with relation to panels 8 and 9. Also while I have shown in detail only one end of tie rod 13 and its fastening means, it is to be understood that the other end is arranged and fastened in a similar manner to the other tie rail.

It is to be noted that tie panel 10 is arranged at an angle with relation to the vertical in such manner as to provide at and near its lower edge on the front side an enlarged space W for the feet and legs of the worker sitting at the front of the desk (see Fig. 2), and at and near its upper edge on the other or back side an enlarged space V for the knees of the visitor at the desk. In other words, the angularity of the tie panel is such as to give the maximum of room for the worker's feet and legs on one side of the desk, and the visitor's knees on the other side of the desk, and at the same time give all required bracing and holding strength for the desk.

While I have shown the tie panel with its middle as occupying generally a position approximately central of the width of the desk, this may be moved somewhat one way or the other as de-

sired without departing from the spirit of my invention. Also while I have shown the tie panel as positioned at an angle of approximately twenty degrees with the vertical, this angle may be increased or decreased as desired.

Having now described my invention, I claim:

1. In a desk, a pair of longitudinally spaced apart lateral walls, a tie panel extending longitudinally of the desk between said walls and inclined rearwardly from top to bottom, the bottom edge of the tie panel having a longitudinally extending groove therein, a tie rod in said groove, the ends of said rod extending through said walls, a tie rail secured to each of said walls, the ends of said tie rod being respectively anchored to said tie rails.

2. In a desk, a pair of longitudinally spaced apart lateral walls, a tie panel extending longitudinally of the desk between said walls and inclined rearwardly from top to bottom, the bottom edge of the tie panel having a longitudinally extending groove therein, a tie rod in said groove, the ends of said rod extending through said walls, a tie rail secured to each of said walls, the ends of said tie rod being respectively anchored to said tie rails, an end wall adjacent to each of said lateral walls to form a drawer well at each end of the desk, the outer end of each of said tie rails being secured to one of said end walls.

3. In a desk, an end wall at each end of the desk, a lateral wall adjacent to each of said end walls and spaced therefrom to form a drawer well at each end of the desk, a tie panel extending longitudinally of the desk and inclined with relation to the vertical so as to incline rearwardly from the top to the bottom an amount such as to give the worker sitting at the front of the desk plenty of foot and leg room, and a visitor sitting at the other side of the desk plenty of knee room, the bottom edge of the tie panel having a longitudinal groove therein, a tie rail in the bottom of each of said drawer wells and secured at its ends to the bottom portion of an end wall and adjacent lateral wall, a tie rod in said groove, a stop on each of said tie rails, and means for anchoring the end portions of the tie rod to said stops in the tie rails.

4. In a desk, a pair of longitudinally spaced apart lateral walls, a tie panel extending longitudinally of the desk between said walls and inclined rearwardly from top to bottom, the bottom edge of the tie panel having a longitudinally extending groove therein, a tie rod in said groove, the ends of said rod extending through said walls, a tie member secured to each of said walls, the ends of said tie rod being respectively anchored to said tie members.

MAYNARD H. RAGGIO.