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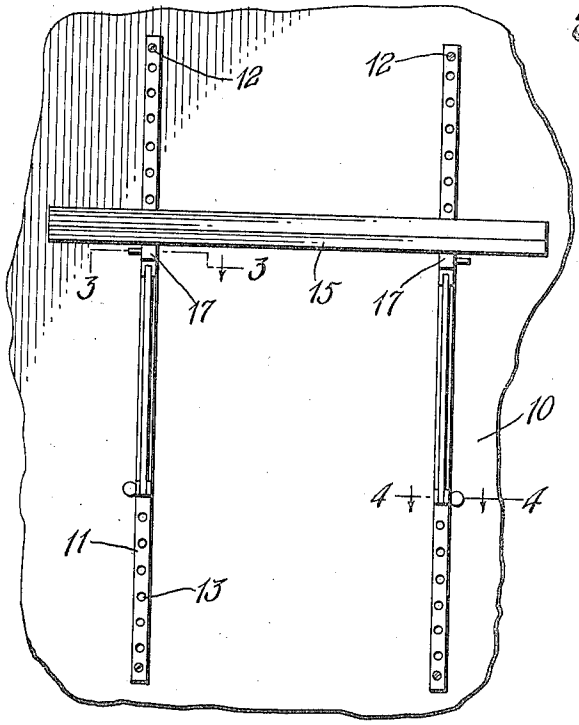
WALL DESK.

APPLICATION FILED MAR. 16, 1916.

1,232,874.

Patented July 10, 1917.

Fig. 1.



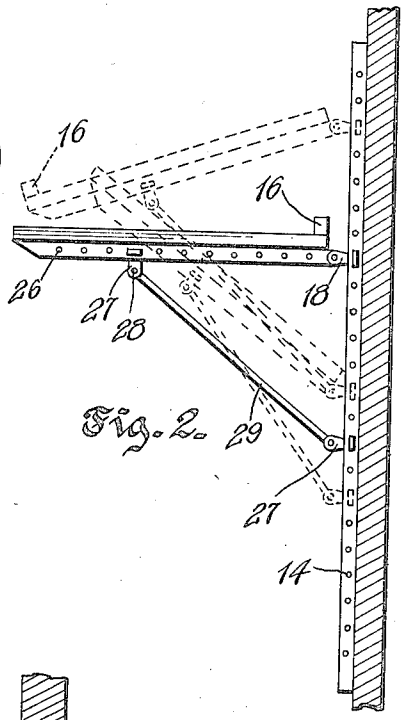


Fig. 2.

Fig. 3.

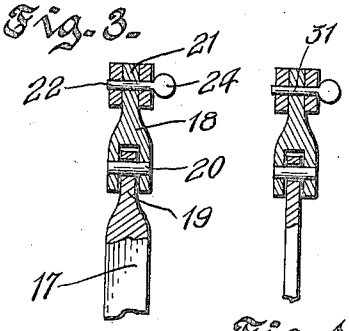


Fig. 4.

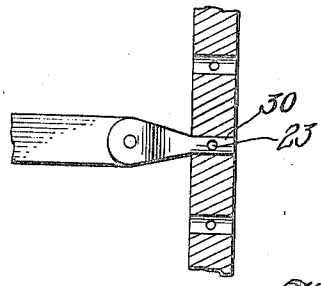


Fig. 5.

WITNESSES

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WALL-DESK.

1,232,874. Specification of Letters Patent. Patented July 10, 1917.

Application filed March 16, 1916. Serial No. 84,670.

To all whom it may concern:

Be it known that I, FREDRICK F. WHEALEN, a citizen of the United States, residing at Jefferson City, in the county of Cole and State of Missouri, have invented certain new and useful Improvements in Wall-Desks, of which the following is a specification.

This invention relates to improvements in desks or shelves designed to be secured against a wall, partition or the like, and has for its principal object to provide such a desk or shelf which is readily adjustable to various heights and angles as may be called for by the various uses to which it will be put.

A further object of the invention is to provide novel means for accomplishing the various adjustments of the desk or shelf in the least time and with slight expenditure of labor.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts as will be more fully set forth hereinafter, and pointed out in the claims, reference being had to the accompanying drawings in which:

Figure 1 is a front elevation of a wall desk constructed in accordance with the present invention,

Fig. 2 is a side elevation of the same,

Figs. 3 and 4 are cross section views on the lines 3—3 and 4—4 respectively of Fig. 1, and,

Fig. 5 is a detail sectional view.

Referring to the drawings by numerals, 10 designates a wall, partition or other suitable vertical surface against which are placed two upright parallel strips 11 suitably spaced apart as the width of the desk may call for and secured in position by means of screws 12 or other fastening devices. Through the strips from front to rear are formed a number of perforations 13, by preference equally spaced, each perforation being intersected by a cross perforation 14 extending at right angles thereto.

The desk or shelf proper, indicated at 15, may be of any size and is preferably made of wood, on one or more edges of which may be removably secured a strip 16 for the purpose of retaining articles thereon when the shelf is in an inclined position as shown in dotted lines in Fig. 2. Screwed or otherwise conveniently fastened to the under side of the shelf 15 are two transverse strips 17 preferably inclined or beveled at their forward ends and pivotally connected at their rear ends each to a coupling stud 18. The coupling stud 18 as shown in Figs. 3 and 5 has a forked forward end into which is inserted the rear end of a strip 17 preferably flattened and made narrower to fit readily between the forked ends of the stud and coupled to said stud by a pivot pin 20. The rear end of the coupling stud is reduced as shown at 21 to enter any one of the perforations 13 of the strip 11 and be secured therein by a removable pin 22 insertible through the cross perforations 14 that intersects the perforation 13 and a similar perforation 23 in the coupling stud 18. The pin 22 is preferably provided with a flat finger piece 24 for readily inserting and removing the same when the position of the shelf is to be changed.

The shelf supporting strips 17 are formed with a series of vertical perforations 25 extending from end to end thereof, each perforation being intersected at right angles by a cross opening 26. Insertible in any one of the perforations 25 is a coupling hinge 27 pivoted at one end by a pin 28 to one end of a brace rod 29, a like hinge member 27 being pivoted to the other end of the brace rod 29. Each hinge member 27 has a preferably cylindrical stem 30 adapted to enter one of the perforations 13 in a strip 11 and a similar perforation 26 in the strip 17, being secured in said perforations by removable pins 31 that pass through the cross perforations 14 and 26 respectively and through the hinge members.

From the above it will be seen that the improved wall desk is made of few parts readily connected together and may be adjusted to height by withdrawing the pins 22 from the strips 11 thereby releasing the coupling studs 18 which may be raised or lowered as desired and after insertion in perforations 13 at the selected height of the desk the pins 22 are again inserted through cross perforations 14 to fasten the studs 18 in place. If the angle of the desk is to be changed the pins 31 that connect the members 27 to the strips 11 may be withdrawn and said hinge members raised or lowered until the desk assumes a proper angle, or such pins 31 as connect the upper hinge members of the brace rods 29 with the strips 17 on the bottom of the desk may be disconnected and the position of the upper hinge

member changed until the desk assumes the desired angle for the purpose desired. Thus it is seen that adjustment of the desk can be quickly performed and with little trouble and effort whether the adjustment be angular relatively to the wall, or bodily raising or lowering the shelf. When desired the shelf may be dropped so as to hang flat against the wall by disconnecting either hinge member 27.

I claim:

1. A wall desk comprising supporting strips adapted to be fastened in parallel relation to a wall and having a plurality of spaced perforations formed therein, each of said perforations being intersected by a cross perforation, a desk top, hinge members pivoted on the rear of the desk top, each member having a projecting stem adapted to be inserted in any of said spaced perforations, removable pins insertible in said crossed perforations and perforations in said stem for securing said hinge members to the supporting strips, brace rods, and a hinged member similar to the desk hinge members pivoted on each end of each rod adjustably connected to the supporting strips and to the desk top to permit angular adjustment thereof.

2. A wall desk comprising supporting strips adapted to be fastened in parallel relation to a wall and having a plurality of spaced perforations formed therein from front to rear, each of said perforations being intersected by a cross perforation, a desk top, a pair of strips fixed to the under side of the desk top and spaced apart a distance equal to that separating the supporting strips and having spaced perforations extending therethrough from end to end and cross perforations intersecting the spaced perforations, a hinge member pivoted on the rear end of each of said sustaining strips, a projecting stem on each of said hinge members adapted to be inserted in the spaced perforations of the supporting strips, removable pins insertible in said cross perforations and perforations in said stems for securing said hinge members to the supporting strips, brace rods, and a hinge member similar to the desk hinge members pivoted on each end of each rod and adapted to be adjustably connected to the perforations in the supporting strips and the sustaining strips.

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

FREDRICK F. WHEALEN.

Witnesses:
J. A. Koch,
Geo. H. Jones.