Aug. 1, 1950 E. A. SINGER 2,517,510

ADDING MACHINE STAND

Filed Oct. 27, 1948 2 Sheets-Sheet 1

Fig. 1.

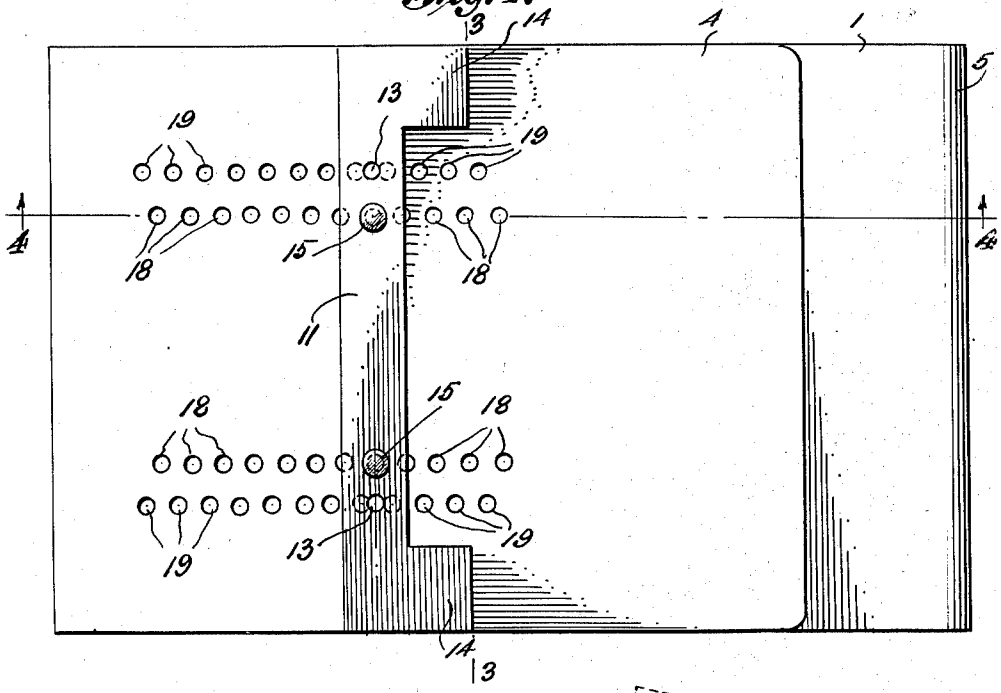


Fig. 2.

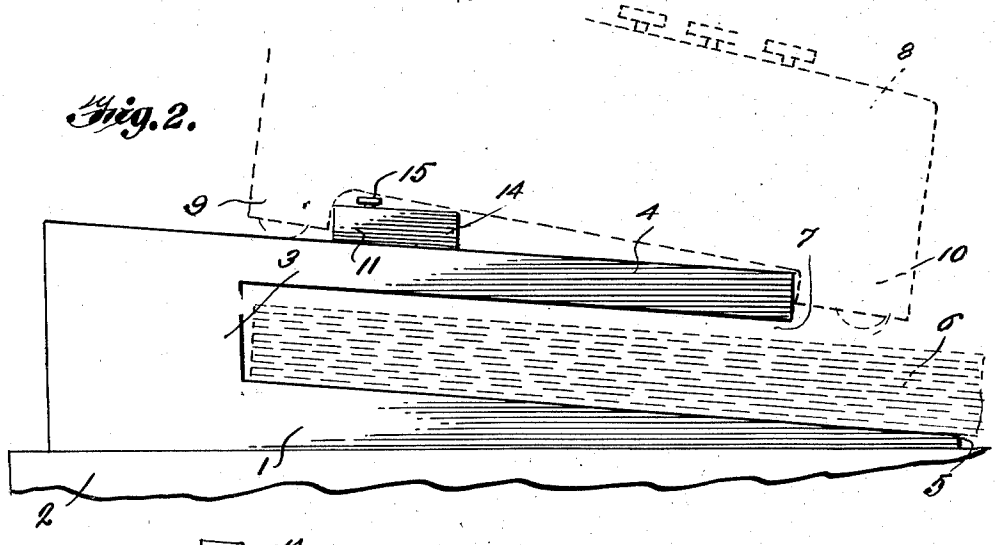
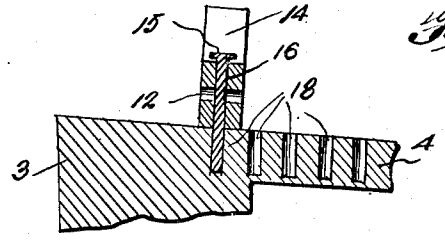


Fig. 7.



INVENTOR.
EWART A. SINGER
BY
Rose J. Woodward
ATTY.

Aug. 1, 1950 E. A. SINGER 2,517,510

ADDING MACHINE STAND

Filed Oct. 27, 1948 2 Sheets-Sheet 2

Fig. 3.

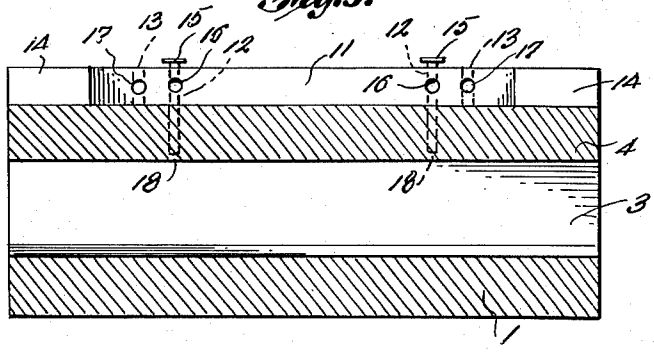


Fig. 4.

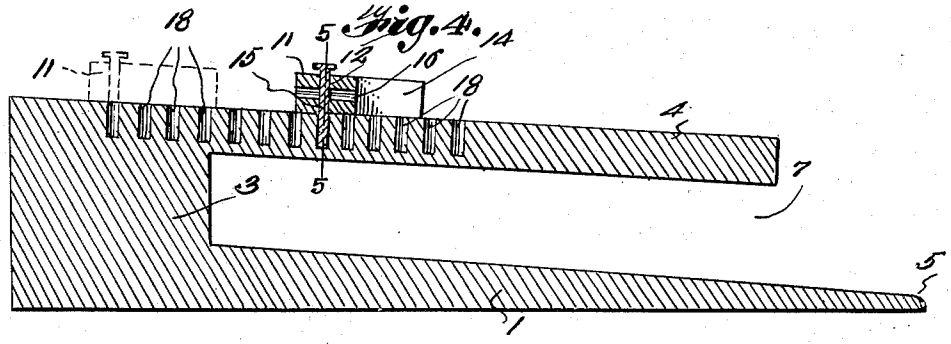


Fig. 5.

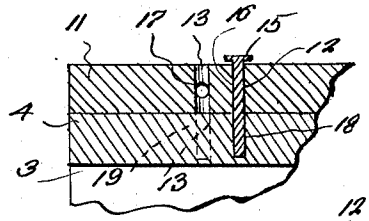
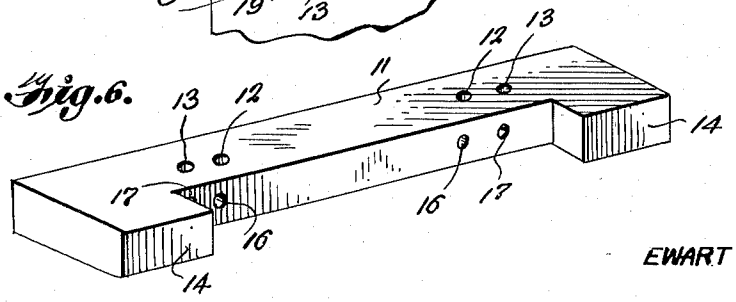


Fig. 6.



Inventor

EWART A. SINGER

By

Attorney

Patented Aug. 1, 1950 2,517,510

UNITED STATES PATENT OFFICE

2,517,510

ADDING MACHINE STAND

Ewart A. Singer, Deming, N. Mex.

Application October 27, 1948, Serial No. 56,840

3 Claims. (Class 45—90)

1

This invention relates to supports and more particularly to a stand serving as a base upon which an adding machine or the like may be mounted for use.

One object of the invention is to provide a stand which may be set at rest upon a desk and so support an adding machine that it will be disposed at a slight downward angle towards its front end and thus allow keys of the machine to be easily struck during use of the machine.

Another object of the invention is to provide a stand of such construction that when an adding machine is placed upon the stand front feet of the machine may be disposed in front of the top of the stand and rear feet of the machine engaged back of a bar which is shiftable along the stand to a position in which the feet will be frictionally gripped and the machine prevented from slipping out of place upon the stand.

Another object of the invention is to provide a stand having upper and lower portions spaced from each other and thus forming a space into which a ledger or the like may be fitted with a column of figures to be added exposed at one side of the stand and thus allow the figures to be easily read during use of the adding machine which is mounted upon the frame.

Another object of the invention is to provide a stand having a space or pocket between upper and lower portions which serves not only as a pocket into which may be fitted a book or sheet of paper containing a column or numbers to be added but also serves as a space into which a stack of paper or the like may be placed when the adding machine is not in use and thus eliminate waste of space upon the top of a desk upon which the adding machine rests.

Another object of the invention is to provide a stand for an adding machine which is simple in construction, quite strong, and easy to adjust for gripping engagement with the feet of an adding machine set upon the stand.

The invention is illustrated in the accompanying drawings wherein:

Fig. 1 is a top plan view of the adding machine stand.

Fig. 2 is a side elevation of the stand with an adding machine mounted thereon indicated by dotted lines.

Fig. 3 is a transverse sectional view taken through the stand along the line 3—3 of Figure 1 with the bar in elevation.

Fig. 4 is a sectional view taken longitudinally through the stand along the line 4—4 of Figure 1.

2

Fig. 5 is a fragmentary sectional view taken along the line 5—5 of Figure 4.

Fig. 6 is a perspective view of the bar which is adjustably mounted across the upper face of the stand.

Fig. 7 is a fragmentary sectional view showing the bar secured in place upon the stand with its arms projecting upwardly.

The stand constituting the subject matter of this invention may be formed of wood, plastic, metal, or other suitable material. The stand is of such length and width that it will accommodate an adding machine of conventional size and has a base 1 formed with a flat under face so that it will rest firmly upon a desk or table 2 when it is in use. A shoulder 3 extends upwardly across the rear portion of the base 1 and serves as a mounting for an upper section or board 4. The upper surface of the base extends forwardly at a downward incline, as shown in Figure 2, and the board 4 is of an even thickness throughout its length and disposed in spaced parallel relation to the upper surface of the base. The base, shoulder, and board may be formed integral as a unit or they may be formed as individual elements and firmly secured to each other in any desired manner. The upper portion of the shoulder may be considered a portion of the upper section or board 4 which has a smooth upper surface for its entire length and width and is of such length that the base or lower section 1 projects forwardly from the front end of the board. It should also be noted that the base has a bevelled edge 5 across its front end so that a ledger 6 or stack of paper sheets bearing columns of numbers to be added may be easily slid upon the protruding front end portion of the base and thrust rearwardly into the space or pocket 7. After a ledger has been thrust into the space 7 it will be shifted transversely so that a column of numbers to be added will be exposed along a side edge of the board and may be easily followed during use of the adding machine.

The adding machine 8 indicated by dotted lines in Figure 2 is of conventional construction and the stand of such size that the adding machine may be set at rest upon the upper surface of the board 4 with the rear feet 9 of the machine resting upon the board and its front feet 10 extending downwardly in overlapping engagement with the front edge face of the board. The adding machine is held in place upon the stand and prevented from sliding out of its proper position thereon by means of a bar 11. This bar is rec-

tangular in cross section and of such length that it extends across the board for the full width thereof. Inner and outer openings 12 and 13 are formed through the end portions of the bar inwardly of the arms 14 to receive pins 15 and are intersected by openings 16 and 17 which extend through the bar at right angles to the openings 12 and 13. The pins are of appreciably greater length than the thickness of the bar and when thrust downwardly through openings in the bar engage in selected ones of the openings 18 and 19 formed in the board 4. The openings 18 and 19 are arranged in lines extending longitudinally of the board and are spaced from each other transversely of the board a distance equal to the distance between the openings 12 and 13 or the other openings 16 and 17, and upon referring to Figure 1 it will be seen that the line of openings 18 are in staggered relation to the line of openings 19. Therefore when the adding machine is set upon the stand with its front feet 10 extending downwardly in front of the front end of the board the bar may be shifted rearwardly along the board until it is in engagement with the rear feet 9 and the pins passed downwardly through the bar and into openings or sockets 18 or 19 according to which of the openings 18 or 19 causes the closest fit between the bar and the rear feet of the adding machine. The feet of the adding machine will then be in frictional gripping engagement with the bar and the front edge face of the board as shown in Figure 2, and will not be liable to slip longitudinally or transversely upon the board and it will be held in a desired position thereon. The bar is usually placed upon the board as shown in Figures 1 through 4 with its arms extending forwardly and resting against the board, but if an adding machine or other machine having an oil pan or other obstruction under it is to be mounted upon the stand the bar will be turned to the position shown in Figure 7 and the machine will rest upon the upwardly projecting arms with its rear feet engaged with rear faces of the arms. The rear end of the machine will then be held at a higher elevation and the oil pan prevented from having contact with the front edge portion of the bar between the arms. When the adding machine is not in use books, stacks of paper, or the like may be thrust into the pocket 7 where it will be out of the way but convenient when needed. It will thus be seen that the stand will not interfere with use of space upon a desk which would be available if the stand were not upon the desk.

Having thus described the invention, what is claimed is:

1. In a support for adding machines and the like, a board formed with companion rows of sockets extending longitudinally of the board, the sockets of each row being in staggered relation to the sockets of the companion row, a bar resting upon said board and extending transversely thereof and formed with sets of openings spaced from each other longitudinally of the bar and in position to alternately register with staggered sockets in the companion rows of sockets of the board when the bar is shifted along the board between front and rear ends thereof, and pins passed through the openings in the bar and removably engaged in selected ones of the sockets to releasably hold the bar in adjusted positions upon the board.

2. In a support for adding machines and the like, a board, a bar resting upon said board transversely thereof and shiftable along the board between front and rear ends thereof to adjusted positions, arms extending from end portions of the bar, the bar being formed with openings extending transversely through the bar in one direction and with other openings extending transversely through the bar transversely of the first openings, said board being formed with sockets arranged in rows extending longitudinally of the board, the arms being disposed flat upon the board and projecting forwardly from the bar when the first openings of the bar are in registry with sockets of the board, said arms extending upwardly from the bar when the second openings of the bar are in registry with sockets of the board, and pins passed through selected openings of the bar and removably engaged in selected sockets of the board to releasably hold the bar in an adjusted position upon the board in desired spaced relation to the front end of the board and with the arms extending in a predetermined one of the said directions.

3. In a support for adding machines and the like, a board, a bar resting upon said board transversely thereof and shiftable along the board between front and rear ends thereof to adjusted positions, said bar having flat side faces at right angles to each other and being provided at its ends with arms extending laterally from the bar at the ends of one of the said flat faces of the bar, the said arms extending forwardly from the bar when one flat face thereof is resting upon the board and upwardly when a face at right angles to the last mentioned face is resting upon the board, and means for removably securing the bar upon the board in predetermined spaced relation to the front end thereof and with the arms extending in a predetermined one of the said directions.

EWART A. SINGER.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,652,774	Fraser et al.	Dec. 13, 1927
1,883,133	Walter	Oct. 18, 1932