June 24, 1930. W. E. WESTBROOK 1,767,950

TABLE AND LAP DRAWING AND READING STAND

Filed July 6, 1929 2 Sheets-Sheet 1

Fig. 1.

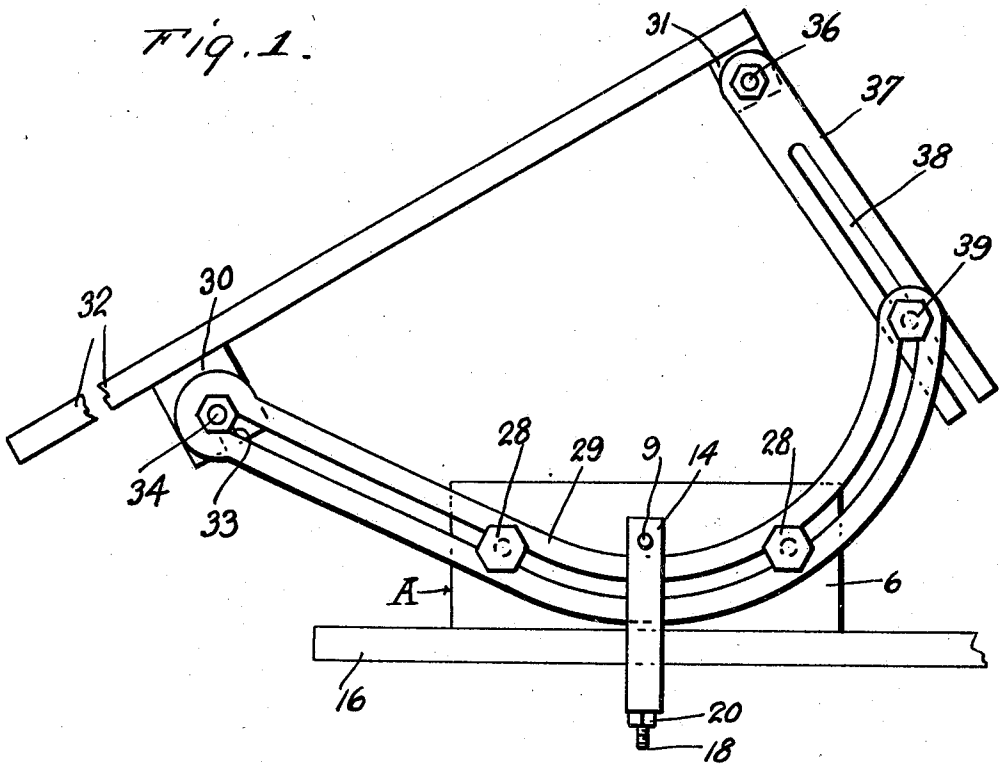


Fig. 3.

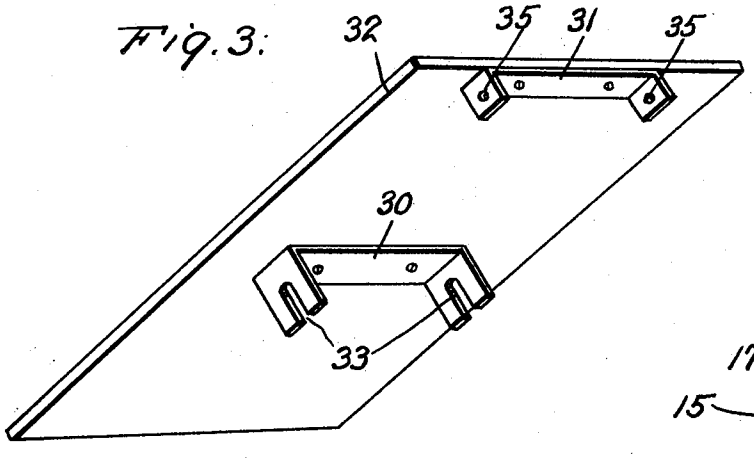
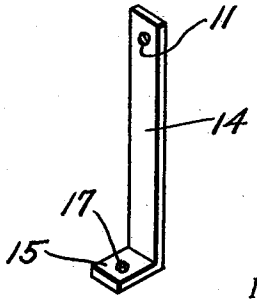


Fig. 4



Inventor

William E. Westbrook

By Clarence O'Brien

Attorney

June 24, 1930. W. E. WESTBROOK 1,767,950

TABLE AND LAP DRAWING AND READING STAND

Filed July 6, 1929 2 Sheets-Sheet 2

Fig. 2

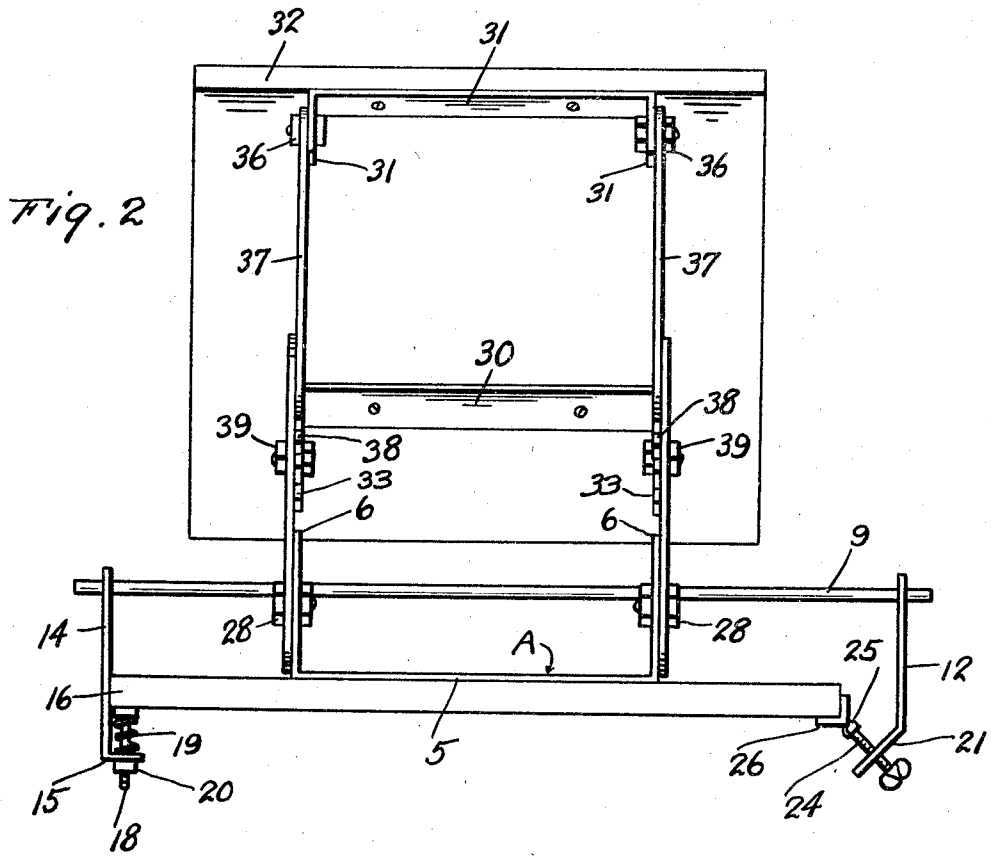


Fig. 6.

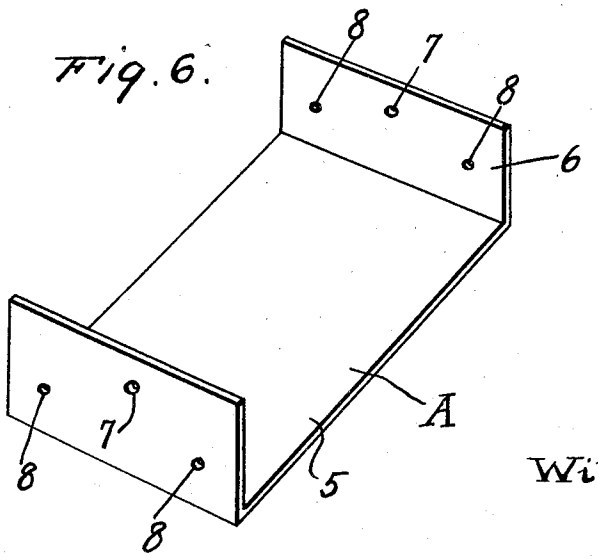
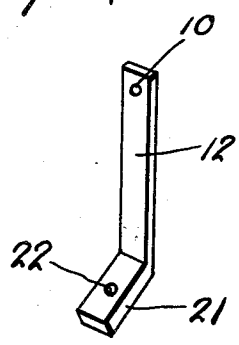


Fig. 5.



Inventor

William E. Westbrook

By Clarence A. O'Brien

Attorney

Patented June 24, 1930 1,767,950

UNITED STATES PATENT OFFICE

WILLIAM E. WESTBROOK, OF TIFFIN, OHIO

TABLE AND LAP DRAWING AND READING STAND

Application filed July 6, 1929. Serial No. 376,419.

The present invention relates to a table and lap drawing and reading stand and the prime object of the invention resides in the provision of a drawing board and a reading and writing stand which can be used clamped onto a table or can be mounted onto a small board and used as a lap stand and reading and writing board.

Another very important object of the invention resides in the provision of an apparatus of this nature which is adjustable for both the height and angle and can be used on any table, square, rectangular, round or oval, and used by its owner with a regular height chair or raised stool or standing.

A still further very important object of the invention resides in the provision of an apparatus of this nature which is simple in its construction, inexpensive to manufacture, strong and durable, thoroughly efficent and reliable in use and operation, easy to adjust, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view, as will appear as the description proceeds, the invention resides in certain novel features of construction and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a side elevation of the apparatus embodying the features of my invention.

Figure 2 is a rear elevation thereof.

Figure 3 is a perspective view of the board.

Figure 4 is a perspective view of one of the clamping irons.

Figure 5 is a perspective view of the other clamping iron, and

Figure 6 is a perspective view of the stand member.

Referring to the drawing in detail, it will be seen that the letter A denotes a stand which comprises a substantially U-shaped construction, having a flat rectangular base 5, with upstanding ends 6, provided with openings 7 adjacent their centers and openings 8 adjacent their ends. A rod 9 extends through the openings 7 and through openings 10 and 11 in elongated bars 12 and 14 respectively. The bar 14 has a right angled extension 15 at its lower end to be disposed under a table 16, board, or any other like supporting structure, and is formed with an opening 17, through which extends a bolt 18, the head of which engages under the table 16, there being a spring 19 disposed about the bolt impinging against the head and the extension 15.

A nut 20 is engaged on the bolt to limit the upward movement thereof. On the bar 12 at its lower end is an oblique extension 21, having an opening 22 therein, through which is threaded a bolt 24 having a swivel ball and socket joint connection 25, with a V-shaped member 26, for engaging the edge of the table 16 or the like, and thus by adjusting the bolt 24 and sliding the bars 14 and 12 on the rod 9, the stand A may be mounted on any shaped table or like supporting structure.

A pair of bolts 28 are engaged in the openings 8 of each side 6 and extend through the slots of the elongated slotted bars 29 which have one end portion straight and the other end portions arcuate.

Inverted U-shaped members 30 and 31 are mounted on the under surface of the board 32, the former intermediate the ends thereof and the latter at the upper end thereof. The sides of the member 30 are slotted or notched as at 33, to receive bolts 24, while the sides of the member 31 are apertured as at 35, to receive bolts 36, of arms 37, which are provided with elongated slots 38, to receive bolts 39 which also extend into the slots of the bars 29. Obviously by loosening the bolts 28, 39 and 36, practically any adjustment of the board 32 desired may be obtained so as to place it at a desired angle to the supporting structure 16 or in parallelism therewith as may be desired.

It is thought that the construction, utility and advantages of this invention will now be quite apparent to those skilled in this art, without a more detailed description thereof.

The present embodiment of the invention has been disclosed in considerable detail merely for the purposes of exemplification, since in actual practice it attains the features of advantage enumerated as desirable in the state-

ment of the invention and the above description.

It will be apparent that changes in the details of construction and in the combination and arrangement of parts may be resorted to, without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

What is claimed is:

1. In an apparatus of the class described, a U-shaped supporting stand, a rod extending through the sides thereof, means for clamping the rod to a table or the like, a board, and means for adjustably mounting the board on the stand.

2. In an apparatus of the class described, a U-shaped supporting stand, a rod extending through the sides thereof, means for clamping the rod to a table or the like, a board, and means for adjustably mounting the board on the stand, said means for clamping the rod on a table or the like comprising a pair of depending bars slidably mounted thereon, one of the bars having an inturned extension at right angles thereto, a bolt slidable through the extension, spring means for pressing the bolt operatively to engage the under surface of the table or the like, the other bar having an oblique extension with a bolt threadedly engaged therein, an angular member, and a ball and socket connection between the last mentioned bolt and the angular member so that the angular member may be engaged with the edge of the table or the like.

3. In an apparatus of the class described, a U-shaped supporting stand, a rod extending through the sides thereof, means for clamping the rod to a table or the like, a board, and means for adjustably mounting the board on the stand, said adjustable means comprising a pair of elongated slotted bars having straight portions and curved portions, bolts engaged in the slots thereof and in the sides of the stand, means for engaging the board with the bars.

4. In an apparatus of the class described, a U-shaped supporting stand, a rod extending through the sides thereof, means for clamping the rod to a table or the like, a board, and means for adjustably mounting the board on the stand, said adjustable means comprising a pair of elongated slotted bars having straight portions and curved portions, bolts engaged in the slots thereof and in the sides of the stand, a pair of inverted U-shaped members on the bottom of the board, bolts connecting one of said members with the bars, slotted arms connected with the other of said members and said slotted bars.

In testimony whereof I have affixed my signature.

WILLIAM E. WESTBROOK.