Nov. 3, 1925. 1,560,149

B. H. EBY

SWINGING STAND FOR DESKS

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Fig. 1.

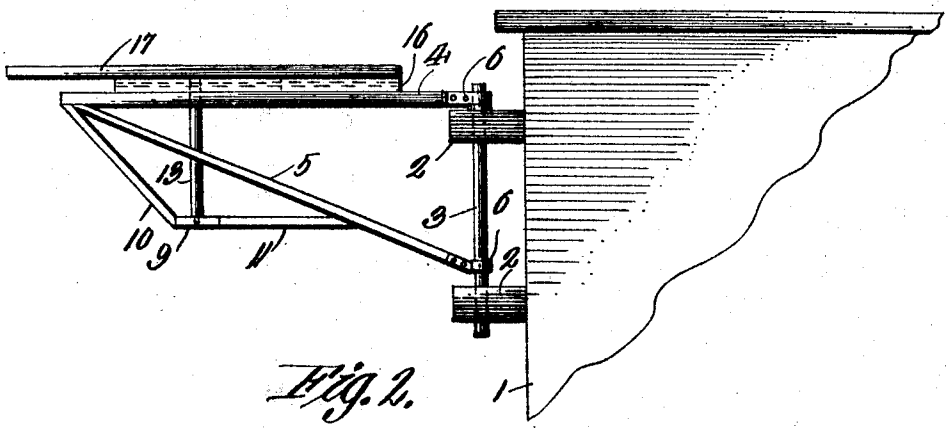


Fig. 2.

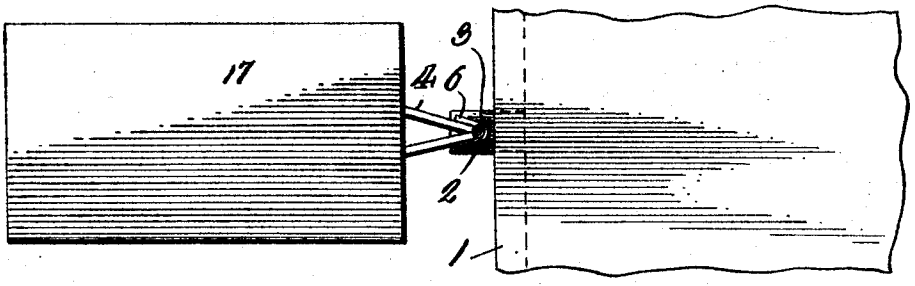
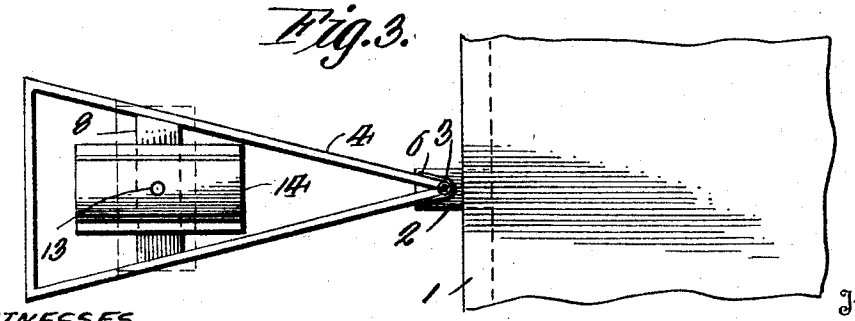


Fig. 3.



WITNESSES

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Fig. 4.

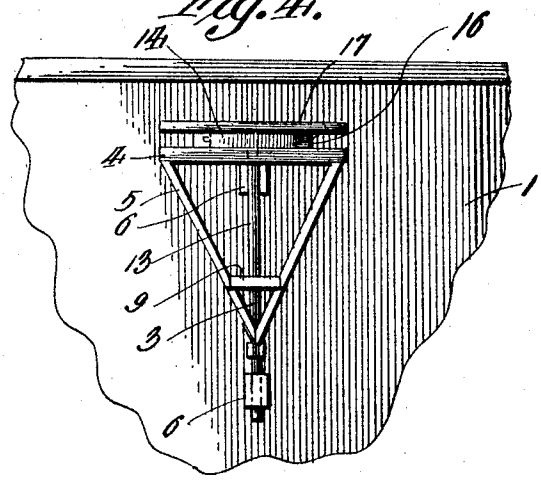


Fig. 5.

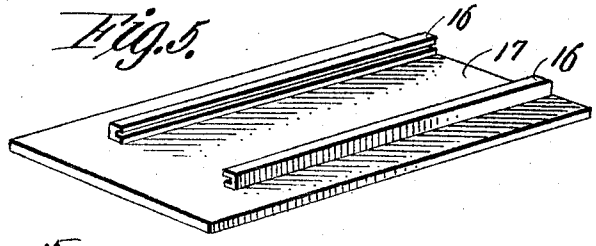


Fig. 7.

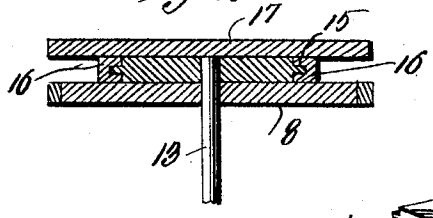
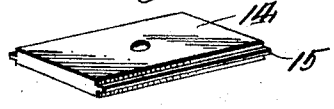


Fig. 6.



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UNITED STATES PATENT OFFICE.

BENJAMIN H. EBY, OF CRAIG, NEBRASKA.

SWINGING STAND FOR DESKS.

Application filed September 20, 1923. Serial No. 663,897.

To all whom it may concern:

Be it known that I, BENJAMIN H. EBY, a citizen of the United States, residing at Craig, in the county of Burt and State of Nebraska, have invented certain new and useful Improvements in a Swinging Stand for Desks, of which the following is a specification.

The present invention relates to a stand for desks and the like and has for its principal object to provide a device of this nature which may be swung toward or away from a person at the desk.

Another important object of the invention is to provide a stand wherein the platform thereof is slidable and rotatably mounted on the stand.

A still further important object of the invention is to generally improve upon devices of this nature by providing the same with a simple and efficient construction, one which is reliable in operation, inexpensive to manufacture, attractive in appearance, durable, compact, and 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 progresses, 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 an elevation of the stand embodying my invention showing the same attached to a desk,

Figure 2 is a top plan thereof,

Figure 3 is a similar view with the platform removed,

Figure 4 is an end elevation thereof,

Figure 5 is a detail perspective view of the platform showing the same inverted,

Figure 7 is a transverse section through the platform and the revoluble plate, and

Figure 6 is a detail perspective view of the revoluble plate.

Referring to the drawing in detail, it will be seen that 1 designates a desk of any desired construction which is provided with a pair of superimposed spaced projections 2 for supporting a bar 3 vertically disposed upon which the stand is adapted to swing. This stand includes an upper frame 4 which is horizontally disposed and a lower frame 5 which slants from the outer end of the upper frame downwardly toward the bar 3. The frames 4 and 5 are in the form of isosceles triangles and the apexes thereof are provided with straps 6 for engaging the bar 3. The strap 6 on the upper frame engages the bar 3 above the upper projection 2 while the other strap 6 engages the bar below this projection and above the other projection. A beam 8 is supported within the frame 4 between its ends and a similar beam 9 is supported therebelow by auxiliary frames 10 and 11. The auxiliary frame 10 extends between the outer end of the upper frame 4 and the beam 9 while the frame 11 extends between the beam 9 and intermediate portion of the lower frame 5. A bar 13 projects upwardly from the lower beam 9 through the upper beam 8 as is disclosed to advantage in Figure 7 and a plate 14 is revoluble on the end of this bar which projects above beam 8. The plate 14 is provided on its sides with longitudinally extending ribs 15 adapted to extend into grooves provided in a pair of cleats 16. These cleats 16 are fixed to the bottom surface of a platform 17. Thus the platform 17 is slidably mounted on the plate 14 while the plate 14 is revolubly mounted on the stand. It is also to be noted that the stand may be swung on the desk either toward or away from the same.

While the preferred embodiment of my invention has been described in detail, it will be understood that I do not wish to be limited to the particular construction set forth, since various changes in the form, material, proportions, and arrangement of parts, and in the details of construction may be resorted to without departing from the scope or spirit of the invention, or destroying any of its advantages contained in the same, heretofore described and defined in the subjoined claims.

Having thus described my invention what I claim as new is:

1. In combination with a desk, a stand including an upper triangularly shaped frame, means for pivoting the apex of the frame to the desk, said frame inclining upwardly from the pivoted apex, a second frame depending from the outer end of the first frame and slanting toward the desk, and a member attached to the first frame adjacent its apex and to the lower end of the second frame, and a platform mounted on the first frame.

2. In combination with a desk, a stand

including a triangularly shaped frame, means for pivoting an apex of the frame to the desk, said frame extending at an incline upwardly from its pivoted apex, a second frame attached to the outer or free end of the first frame and depending downwardly therefrom and slanting inwardly toward the desk, a member attached to the bottom of the second frame and to an intermediate portion of the first frame adjacent its pivoted apex, a plate, a third frame of triangular formation, means for pivoting one apex of the third frame to the desk above the pivot point of the first frame, said third frame extending horizontally and connected to the outer end of the first frame, said plate fixed to said third frame, a second plate, a pin depending from the second plate passing through the first plate to revolve therein and having its end revolvably rested on the member.

3. In combination with a desk, a stand including a triangularly shaped frame, means for pivoting an apex of the frame to the desk, said frame extending at an incline upwardly from its pivoted apex, a second frame attached to the outer or free end of the first frame and depending downwardly therefrom and slanting inwardly toward the desk, a member attached to the bottom of the second frame and to an intermediate portion of the first frame adjacent its pivoted apex, a plate, a third frame of triangular formation, means for pivoting one apex of the third frame to the desk above the pivot point of the first frame, said third frame extending horizontally and connected to the outer end of the first frame, said plate fixed to said third frame, a second plate, a pin depending from the second plate passing through the first plate to revolve therein and having its end revolvably rested on the member, ribs projecting from the edges of the second plate, a platform, and groove cleats on the bottom of the platform engageable with said ribs whereby said platform is slidably mounted on the second plate and said second plate is revolvable in respect to the first plate.

In testimony whereof I affix my signature.

BENJAMIN H. EBY.