June 20, 1933. P. O. UNGER 1,915,138

READING STAND FOR RECORDS AND VISIBLE RECORD BINDERS

Filed Sept. 30, 1931 2 Sheets-Sheet 1

Fig. 1

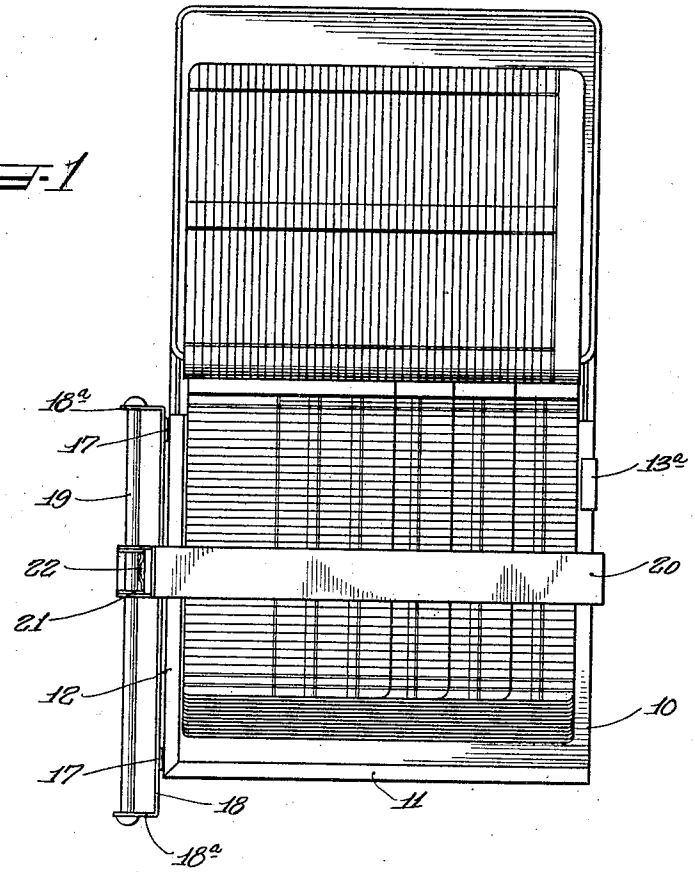
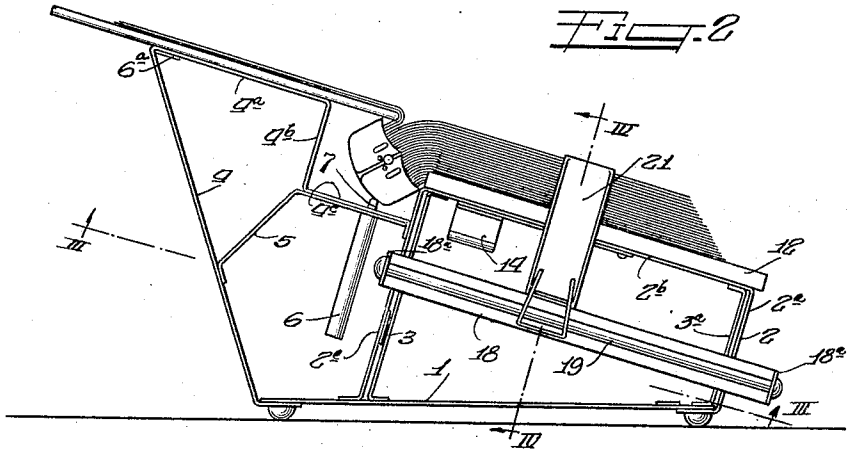


Fig. 2



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Filed Sept. 30, 1931 2 Sheets-Sheet 2

Fig. 3

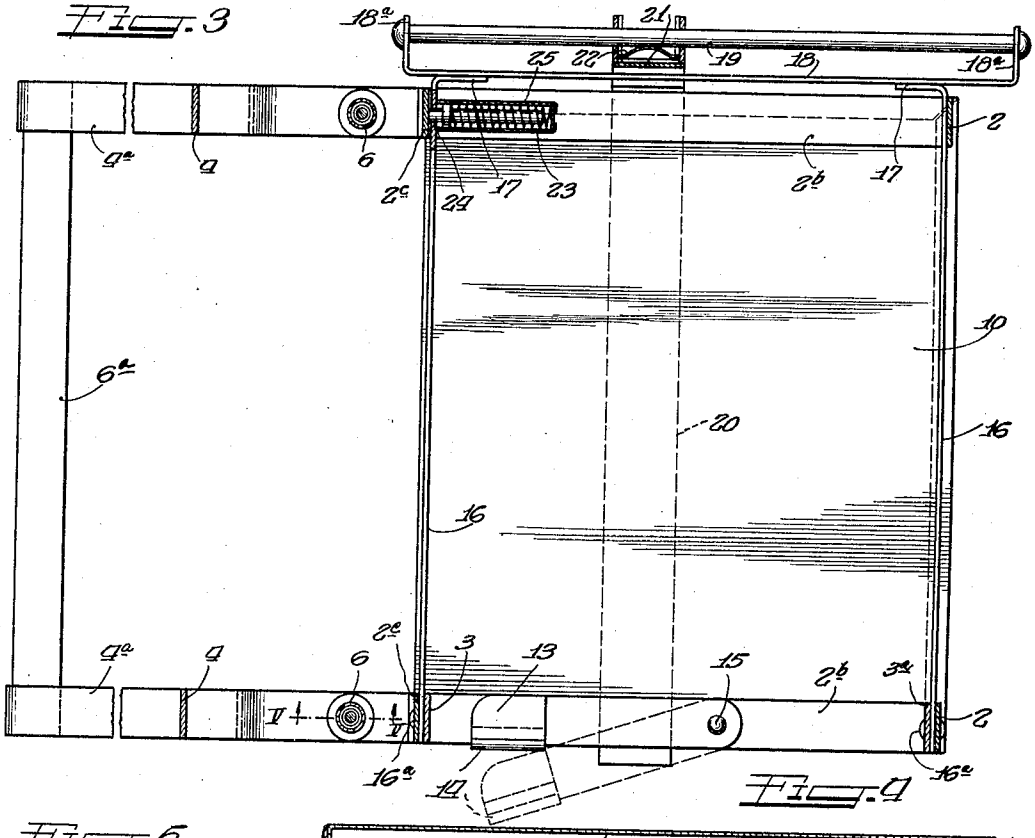


Fig. 4

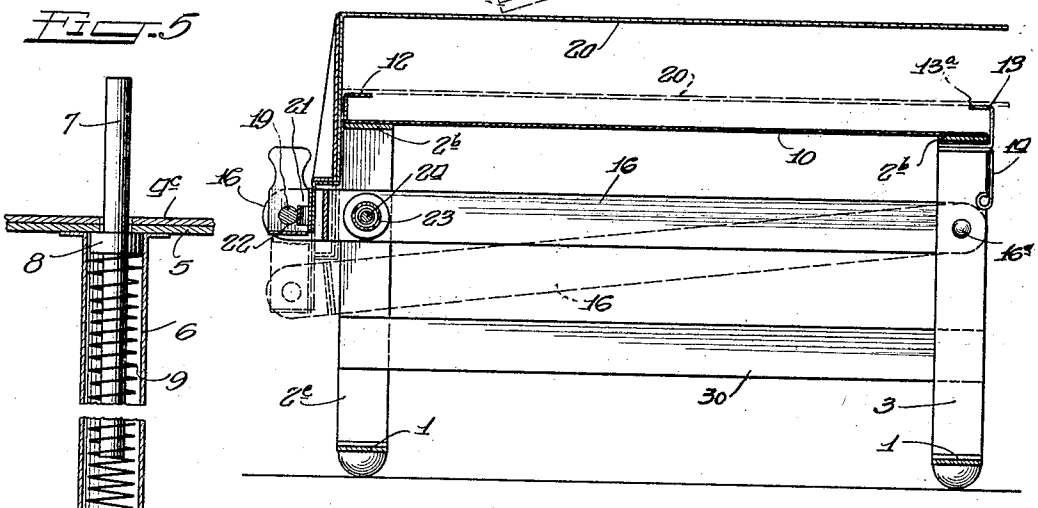


Fig. 5

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UNITED STATES PATENT OFFICE

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READING STAND FOR RECORDS AND VISIBLE RECORD BINDERS

Application filed September 30, 1931. Serial No. 566,012.

This invention relates to a reading stand for visible record binders.

In the use of visible record binders which contain numerous sheets in shingled or overlapping relation having columns of data thereon, it is frequently desirable to support the binder so that the columns of data can be readily collated or computed in the event that the same constitute numbers or sums.

This invention contemplates a stand upon which a visible record binder can be easily sustained in its open position in combination with a line guide that can be raised or lowered in accordance with the capacity of the binder. In connection therewith, means are provided for properly positioning the record binder and supporting the back thereof in adjusted position.

The invention comprises the novel structure and combinations of parts hereinafter described and more particularly pointed out and defined in the appended claims.

In the accompanying drawings which illustrate a preferred form of this invention and in which similar reference numerals refer to similar features in the different views:

Figure 1 is an interior plan view of a record binder in open position supported upon a reading stand involving this invention.

Figure 2 is a side elevational view of such a binder.

Figure 3 is an enlarged sectional view taken upon the line III—III of Figure 2.

Figure 4 is an enlarged sectional view taken upon the line IV—IV of Figure 2.

Figure 5 is an enlarged sectional view taken upon the line V—V of Figure 3 illustrating one of the plungers.

One form of the embodiment of this invention is illustrated in the drawings and in referring to the different figures, it will be noted that the ledger reading stand consists of a pair of base strips 1 to which U-shaped frame members 2 are attached. These frame members 2 consist of front vertical portions 2^a which terminate in upper horizontal portions 2^b. The top portions 2^b extends downwardly at their rear ends and are attached to the base members 1. A strut 3 in spaced relation to a leg 2^c of one frame member extends between the base strips 1 and the top of the U-shaped frame member 2^b for forming a guideway. Likewise, a strut 3^a extends parallel to the front leg 2^a of the frame member for forming a guideway for a purpose that will later appear. The legs 2^a may be connected by a transverse brace 30.

A metal strip 4 extends upwardly and rearwardly from the rear end of each base strip 1. Each strip 4 has a forwardly and downwardly inclined portion 4^a which forms a rest for the cover of the record binder. The portions 4^a have downwardly offset angular portions designated 4^c and 4^c; the portions 4^b being attached to the legs 2^c. The portions 4^c which are parallel to the portions 4^a form a depressed seat for the back portion of the ledger. Brace members 5 preferably connect the portions 4^c with the back portion of the members 4. The members 4^a are connected by a transverse bar 6^a for assisting in supporting the cover of a binder.

A tube 6 is attached to each brace member 5 just below the portions 4^c of the depressed seat. A plunger 7 which extends through a suitable aperture in the portions 4^c and brace 5 extends into each tube 6. Each plunger has a collar 8 within the tube and a coiled spring 9 within the tube presses against the collar 8 for normally projecting the plunger 7. These plungers 7 are adapted to form a yielding support for the back portion of the ledger in order that the same may be supported at various elevations.

The top portions 2^b of the U-shaped frame members support a plate 10 which serves as a platform for the binder. The front and one side of the plate 10 are formed with overhanging flanges 11 and 12 which form recesses for receiving the edges of the cover of the binder for retaining the same in a predetermined position. The unflanged edge of the plate 10 is provided with a swingable clip 13 having a depending finger portion 14 whereby it may be swung inwardly or outwardly. This clip 13 is provided with an overhanging flange 13^a which is clearly shown in Figure 4 for engaging the edge of the cover and maintaining the same in its proper position.

It will be noted that this swingable clip 13 is pivoted to the top 2^b of one of the frame members as indicated at 15 in Figure 3, so that it can be easily swung into or out of engagement with the edge of the binder cover.

One end of a bar 16 is pivoted between the aforementioned strut 3^a and the adjacent vertical portion 2^a of the frame member 2 as indicated at 16^a. A second bar 16 is pivoted between the upright strut 3 and the vertical portion 2^c of the U-shaped frame member. These bars 16 extend to the opposite side of the stand where they are equipped with attaching flanges 17 as shown in Figure 3. These attaching flanges 17 carry a U-shaped bar 18, the legs 18^a of which support a rod 19. A line guide 20 which is adapted for positioning over the loose sheets of the binder has a depending portion 21 which is slidably mounted upon the rod 19 so that the line guide 20 may be readily swung upwardly or downwardly upon said rod or may be shifted lengthwise thereof for aligning successive rows of figures or data. The depending portion 21 of the line guide preferably carries a leaf spring 22 which is adapted for bearing against the rod 19 for yieldingly retaining the line guide in adjusted position.

It will be obvious that the bars 16 can be swung upwardly or downwardly so that the line guide 20 can rest upon the sheets of the binder at different elevations. The bars 16 may, however, be held in any adjusted position by means of a yieldingly mounted plunger 24 which is encased in a cylindrical tube 23 carried by one of the bars 16 and urged by a spring 25 through an aperture in the bar 16 to frictionally engage the rear upright portion 2^c of one of the U-shaped frame members.

In the use of the ledger stand herein described, the visible index binder or ledger is positioned upon the plate 10 with its adjacent edges under the flanges 11 and 12. The clip 13 which of course must be swung out of the way before the binder is placed upon its platform may then be swung inwardly to engage the edge of the binder. The upper cover member is then swung upwardly as shown in Figure 2, while the back of the binder rests against the yielding plungers 7. Of course, while the binder is positioned upon the platform 10, the line guide is swung to one side of the stand upon its supporting rod 19. The line guide 20 may then be swung over the sheets of the binders as shown in Figures 1 and 2 and the support therefor constituting the bars 16 and the member 18 may be raised and lowered as desired according to the height of the sheets above the platform 10. During the process of computing or totaling, the line guide may be shifted upon the rod 19 as occasion requires. While the stand is illustrated in connection with a visible record binder embodying shingled or overlapping sheets, it is obvious that the same may be used with other forms of binders in that it provides a supporting platform for the binder and a depressed rest for accommodating the binder back which may be held in any adjusted position in such depressed rest by means of the yielding plungers.

It will also be appreciated that the adjustability of the line guide whereby it may be raised or lowered according to the number of sheets in the binder renders the stand capable of use with binders of varying capacities. It will further be appreciated that this stand greatly facilitates the use of such visible record binders embodying shingled sheets wherein it is desired to compute the figures in a transverse column or in which it is desired to copy the data in a transverse row.

I am aware that many changes may be made and numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted hereon otherwise than is necessitated by the prior art.

I claim as my invention:

1. A binder stand comprising a base, an inclined platform supported upon said base for supporting the binder, a depressed seat above said platform for receiving the back of the binder, yielding means in said depressed seat for yieldably supporting the back of the binder, and an inclined support above said depressed seat for supporting a cover for the binder.

2. A binder stand comprising a base, upstanding legs upon said base, a binder supporting platform supported upon said legs, a pair of bars pivoted to a pair of said legs and extending across the stand, a rod carried by said bars and a line guide mounted upon said rod, said bars being swingable upwardly and downwardly to support said line guide at different elevations.

3. A binder stand having an inclined platform, a channel-like groove above said platform, yielding plungers extending into said groove and means above said groove for supporting a binder cover.

4. In a binder stand, a frame, a platform supported upon said frame, a pair of parallel bars pivoted to one side of said frame and extending to the other side thereof, a rod carried by said bars and a line guide pivotally mounted upon said rod, said bars being swingable upwardly and downwardly to support said line guide at different elevations with respect to said platform.

5. In a binder stand, a frame, a platform supported upon said frame, a rod, a line guide slidably and pivotally mounted upon said rod, and means for supporting said rod upon one side of said frame below said platform for bodily up and down movements for vary-

ing the elevation of said line guide with respect to said platform.

6. In a binder stand, a supporting platform having overhanging flanges upon adjacent edges for receiving adjacent edges of a binder cover thereunder, and a latch member pivoted to an unflanged edge of said platform and adapted to be swung over an edge of the binder in opposed relation to one of the flanged edges of said platform.

In testimony whereof I have hereunto subscribed my name at Chicago, Cook County, Illinois.

PAUL O. UNGER.