Nov. 10, 1931. S. G. TWAIT 1,830,815

LEDGER RACK

Filed March 11, 1930 2 Sheets-Sheet 1

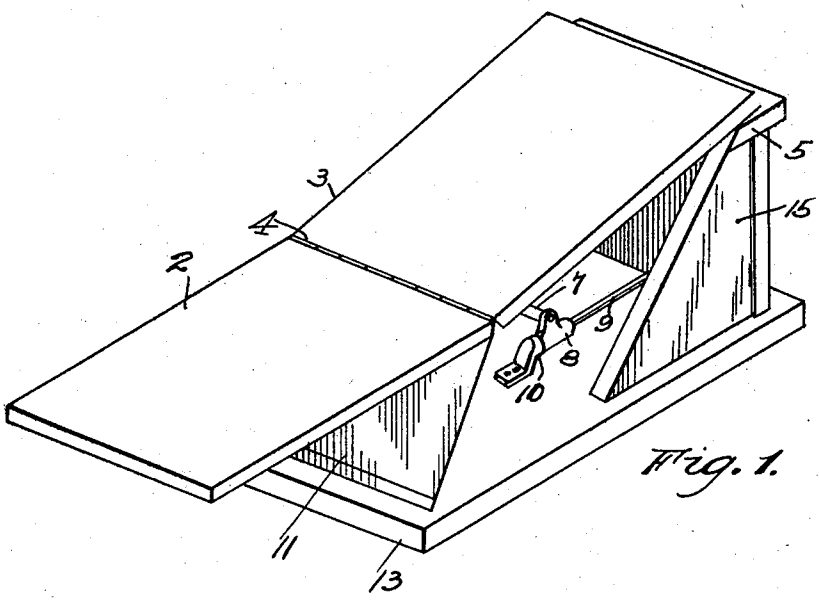


Fig. 1.

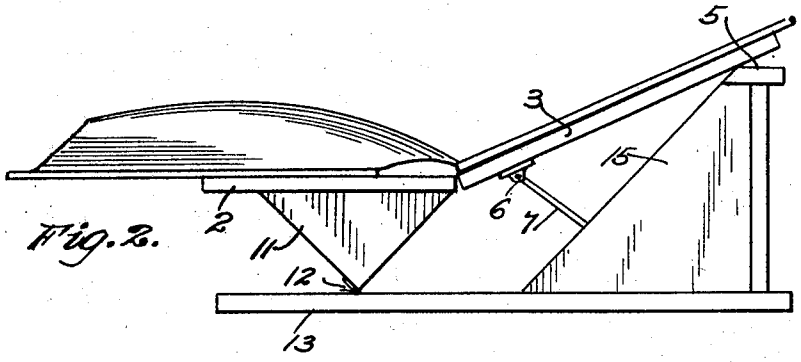


Fig. 2.

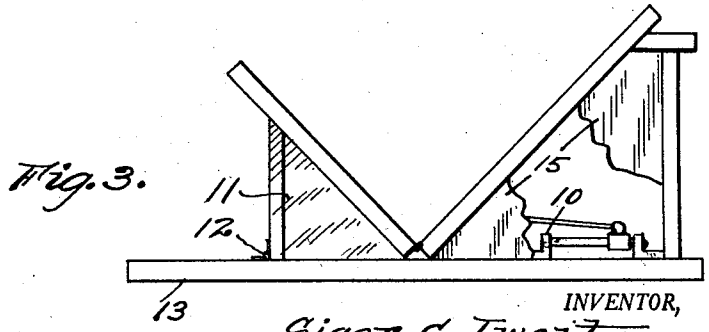


Fig. 3.

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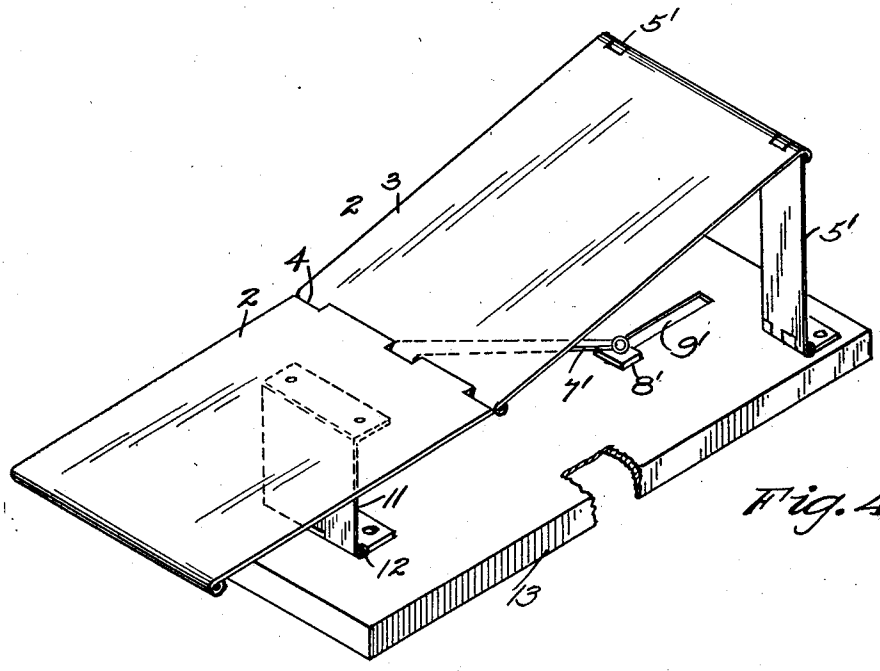


Fig. 4.

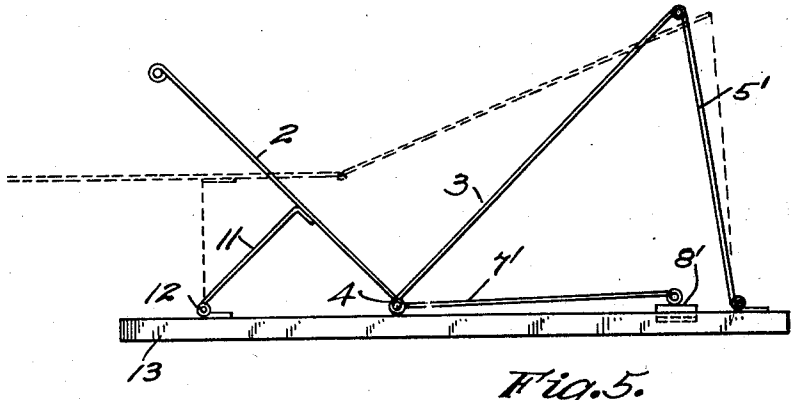


Fig. 5.

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UNITED STATES PATENT OFFICE

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LEDGER RACK

Application filed March 11, 1930. Serial No. 434,964.

This invention relates to ledger racks and has for an object to provide a simple, practicable and reasonable-cost rack for holding a ledger in an open position in such a manner as to fully expose the area of each page, to the last.

Some difficulty is had by accountants and bookkeepers in obtaining a full view of the last pages in ledgers when they are laid partly open. A general object of this invention is to provide a rack which supports the book in open position for full access to the last pages, and also allows the book to be closed and held in a compact manner as to occupy small space on a table or file cabinet.

The invention consists in certain advancements in this art as set forth in the ensuing disclosure and having, with the above, additional objects and advantages, and whose construction, combination and details of means, and manner of operation will be made manifest in the description of the herewith illustrative embodiments; it being understood that modifications, variations and adaptations may be resorted to within the scope, spirit and principle of the invention as it is more directly claimed hereinafter.

Figure 1 is a perspective of the rack in extended or display position.

Figure 2 is a side elevation of the extended rack.

Figure 3 is a side elevation of the rack in book closing position.

Figures 4 and 5 illustrate a modified form of the rack.

The device comprises a pair of leaves 2 and 3 which are arranged end to end and connected thereat by hinges 4 so as to move together from closed to open position and vice versa.

The leaf 3 rests slidably on a fixed bench or support 5 and its lower end is attached by a pivot 6 to a link 7 which has a runner 8 sliding on a rail or suitable guide 9 at the outer end of which is a suitable stop 10.

The leaf 2 is carried by a tilting leg or carrier 11 on a fulcrum hinge 12, on a bed 13 from which the support 5 rises.

The relation of the hinge 12 to the leaf 2 is such that the leaves 2 and 3 rest, when closed, at an angle of about 90° relatively; the leaf 3 being supported at an angle of about 45° to the bed 13 by side walls 15 presenting rest ledges of that degree to the bed.

When the leaf 2 is pulled or tilted outward it assumes a substantially horizontal position above its fulcrum 12 and is limited by the stop action of the stop 10, abutting the link runner 8; the weight of the ledger, when open as in Fig. 2, keeping the leaves in extended position.

The hinge 12 is somewhat nearer to the inner corner or end of the leaf 2 so that the load tends to overbalance the leaf 2 in an opening direction effort.

Figs. 4 and 5 show the same mechanical principle involved in action of the leaves 2 and 3 but in this form the latter has its outer end supported on and attached to a prop-link means 5′ instead of sliding on a fixed bench 5 as in Figs. 1 to 3. The stop link 7′ is attached to the pin of the leaf hinge 4 and its runner 8′ operates in a slot 9′ provided as in the base 13.

What is claimed is:

1. A ledger rack comprising an outer, supporting leaf having a tilting carrier for opening or closing it and on which the leaf is overbalanced in open position when loaded, a rear leaf hinged directly end-to-end to the outer leaf and being movably supported so as to change position with and by the outer leaf and a sliding stop device to limit action of both leaves.

2. A ledger rack comprising an outer, supporting leaf having a tilting carrier by which it is movable from a closed to a generally horizontal position of rest when extended, a rear leaf hinged to the outer leaf and movably supported so as to change position with and by action of the outer leaf, and a sliding stop link connected to leaves to limit the opening movement thereof.

3. A ledger rack comprising a tilting leg rigid with an outer, supporting leaf tiltable from a closed to a generally horizontal open position, a rear leaf hinged end to end with the outer leaf and opening therewith, means to support the rear leaf in either of its posi-

tions, and means to limit opening movement of the connected leaves.

4. A ledger rack comprising a base, a tiltable carrier having a fulcrum hinge on the base and an outer leaf carried by the carrier from a closed to an extended, generally horizontal open position over the fulcrum, a rear leaf hinged directly end to end with the outer leaf, means slidable on the base and connected to the rear leaf to limit the opening movement of the two leaves, and a fixed support for the rear moving leaf, upon which the rear leaf slides in change of position.

5. A ledger rack comprising a pair of leaves hinged end-to-end and mutually closing to a right angle relation, one leaf having a rigidly connected carrier arm hinged at its lower end to a base and opening the attached leaf to a horizontal position, a sliding link stop mounted on the base and connected to the leaves to limit their opening action, and a support for the other leaf to prop it in its several positions.

6. A ledger rack comprising a pair of leaves hinged end-to-end and mutually closing to a right angle relation, one leaf having a rigidly connected carrier arm hinged at its lower end to a base and opening the attached leaf to a horizontal position, a sliding link stop mounted on the base and connected to the leaves to limit their opening action, and a support for the other leaf to prop it in its several positions.

7. A ledger rack comprising a base, a carrier prop hinged at its bottom end to the base, a book resting leaf fixed to the swinging end of the carrier prop, and carried from an inclined to a horizontal open position thereby, a second leaf hinged end-to-end to the first, a swinging prop connected to the base and hinged to the outer end of the second leaf, and means to limit the opening of the connected leaves.

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