

W. R. MOLER.

BOOK HOLDER.

APPLICATION FILED JAN. 17, 1912.

1,057,869.

Patented Apr. 1, 1913.

2 SHEETS—SHEET 1.

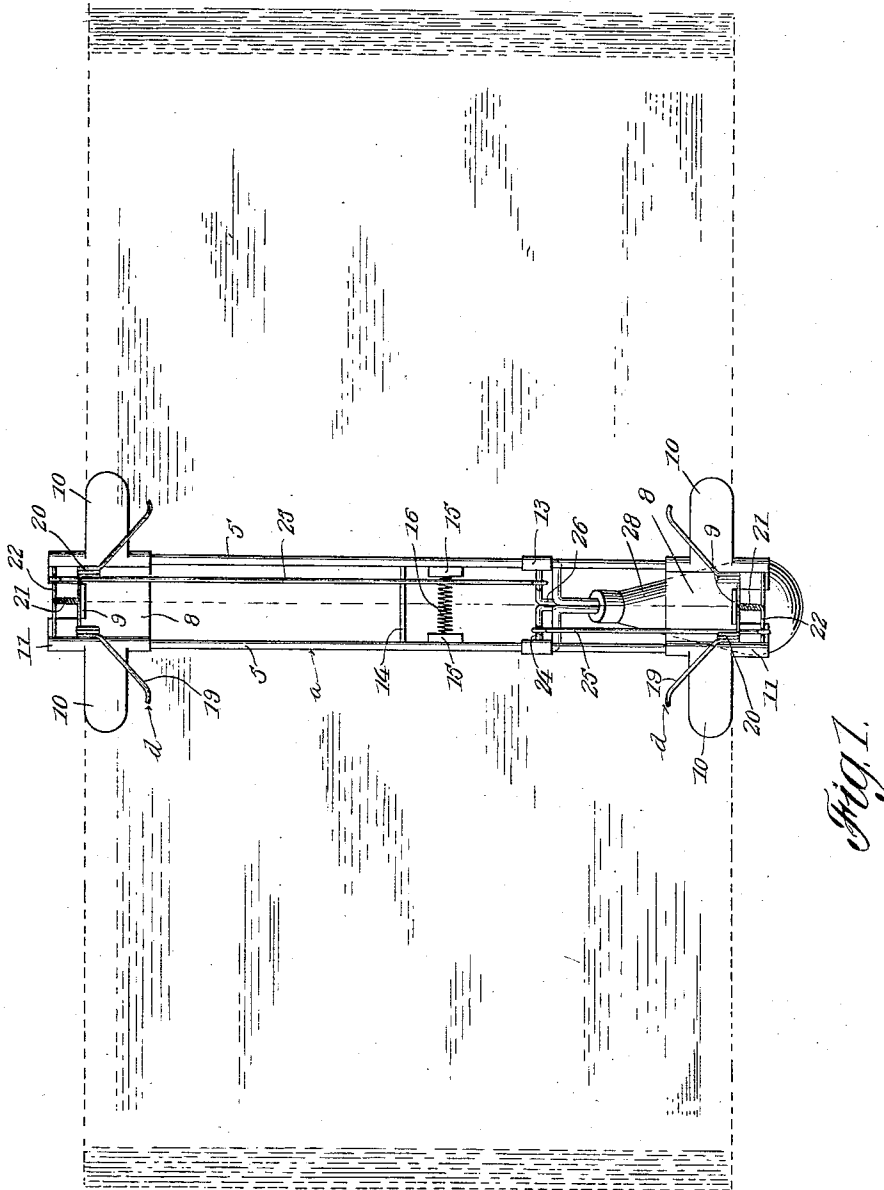


Fig. 1.

Inventor

William R. Moler,

Witnesses

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John A. Doney

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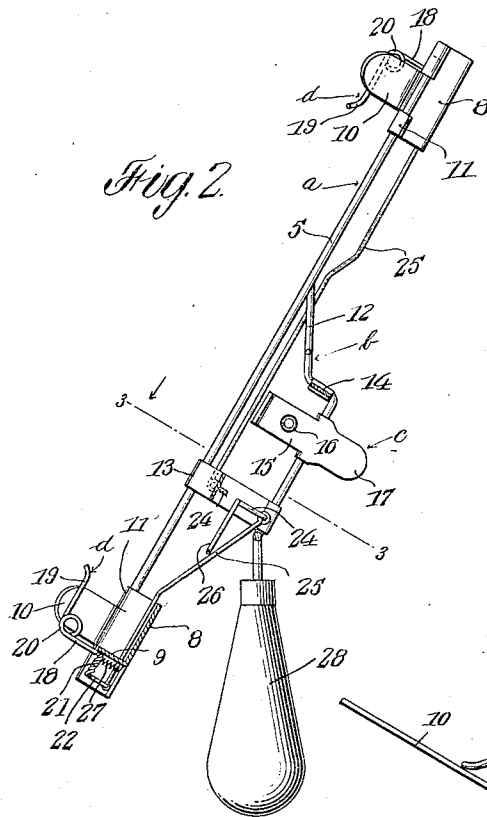


Fig. 2.

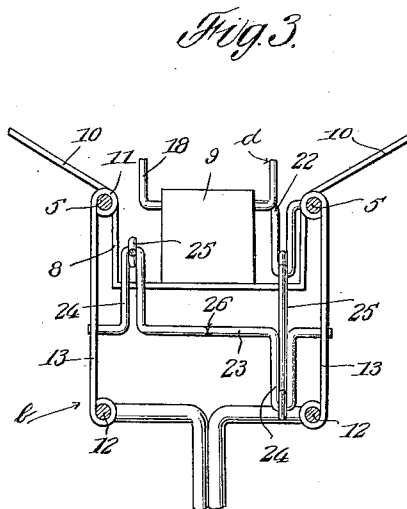


Fig. 3.

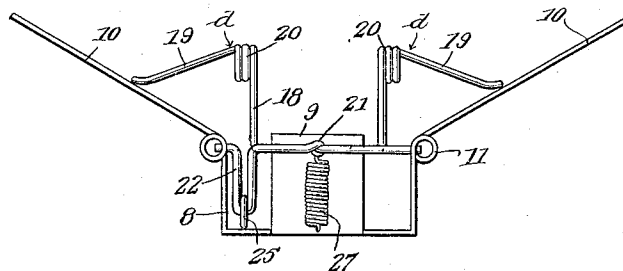


Fig. 4.

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UNITED STATES PATENT OFFICE.

WILLIAM R. MOLER, OF VERNON, NEVADA.

BOOK-HOLDER.

1,057,869.

Specification of Letters Patent.

Patented Apr. 1, 1913.

Application filed January 17, 1912. Serial No. 671,574.

To all whom it may concern:

Be it known that I, WILLIAM R. MOLER, a citizen of the United States, residing at Vernon, in the county of Humboldt and State of Nevada, have invented new and useful Improvements in Book-Holders, of which the following is a specification.

The general object of the invention is to enable a reader to conveniently hold with one hand and in position to be read, a book having a flexible cover such as a magazine, and to this end the invention consists in a holder embodying means for gripping the back of the book or magazine, and means for preventing the accidental turning of the pages thereof when the book or magazine is in open position.

Other objects will appear and be better understood from the following description taken in connection with the accompanying drawings, in which,

Figure 1 is a plan of the device in operative position. Fig. 2 is a detail side elevation partly in section. Fig. 3 is a vertical cross section on the line 3—3 of Fig. 2 looking in the direction of the arrow. Fig. 4 is a detail elevation of one end of the device.

a indicates the frame the sides 5—5 of which are spaced apart sufficiently far to provide a space to accommodate the back of an ordinary magazine. The sides 5—5 may be of any suitable material such as stout steel wire and they may be of any desired length, such length, however, will never be less than the ordinary magazine. The channeled plates 8—8 form supports for the opposite end portions of the back of the magazine and the stops 9—9 prevent creeping or longitudinal movement of the magazine when the same is at an angle to the vertical. The stops are suitably connected to the plates or as shown, they may be formed integral therewith such as by incising the plates longitudinally and bending the metal upwardly between the incisions.

When the magazine or book is open as shown by dotted lines, the surfaces of the visible pages are maintained substantially horizontal by means of the ledges 10—10 which are suitably connected to the sides of the plates 8—8 or formed integral therewith as shown. The plates 8—8 are suitably connected to the sides 5—5 and for this purpose, portions of the sides of the said

plates may be curved around the sides so as to grip the same as indicated at 11—11.

b indicates a supplemental frame arranged below the frame *a* and connected to the frame *a* in any suitable manner such as by soldering or welding one end of the sides 12—12 to the sides 5—5 and providing straps 13—13 and adapting the same to connect the sides 5—5 with the sides 12—12, whereby to brace the main frame *a* and hold the same against sagging under the weight of the magazine. The sides 12—12 are also braced against lateral movement by a cross piece 14.

The back grip *c* is adapted to clamp the back of the magazine when the said back is inserted into the space between the sides 5—5. This grip *c* is connected to the frame *b* and may be of any approved or desired construction such as that shown.

15—15 indicate gripping jaws the engaging ends of which are normally held in closed position by a spring 16. The jaws are suitably connected to the sides 12—12 so as to turn thereon when pressure is applied to the free end portions 17—17. Thus, when the jaws are spread apart or opened they will aline with the sides of the frames *a* and *b*, thus admitting of the insertion of the book's back therebetween.

d—d indicate the holders for the leaves. These elements are adapted to extend over the opposite ends of the book or magazine when the latter is open and bear on facing pages. The holders *d—d* may be of any approved or desired construction such as that shown, wherein 18—18 indicate U-shaped body portions connected to diverging arms 19—19 by means of coiled or spring portions 20—20.

21—21 indicate stems or projections from the body portions, and 22—22 indicate crank shafts connected to and extending at right angles to the stems 21—21 and mounted to turn in the sides of the plates 8—8.

When the magazine is opened and arranged in the frame *a* and its back gripped by the grip *c*, the arms 19—19 of the holders *d—d* bear on the facing pages and, thus prevent turning of the leaves. When, however, it is desired to turn either of the leaves upon which the holders bear the holders are moved until the arms 19—19 are beyond the opposite ends of the magazine.

Any improved or desired construction may be employed for actuating the holders

to move simultaneously and relatively to each other such as that shown in the drawings, wherein 23 indicates a crank shaft mounted in the straps 13—13 and the cranks 5 of which are connected to the cranks of the crank shafts 22—22 by rods 25—25.

26 is a suitable thumb piece on the shaft 23 which, when depressed, rocks the said shaft, whereby, the holders *d—d* are moved 10 outwardly and against the action of springs 27—27 connected to the plates 8—8 and the stems 21—21. Thus, when the thumb piece is released the springs 27 will return the holders *d—d* to their original positions.

15 28 indicates a handle suitably connected to the supplemental frame *b* and preferably, though not necessarily, arranged at an angle to the said frame and in alinement with the thumb piece 26, the relative positions of the 20 handle and thumb pieces being such that when the thumb is raised from the handle it may be easily directed so as to contact with the thumb piece, whereby, to operate the holders. The handle is held so as to extend 25 substantially vertical and the printed surfaces of the visible pages will be at a convenient angle for reading.

What I claim as new is:

1. In a book holder, the combination with 30 a support for the book; of oppositely disposed elements connected to the support and adapted to extend over the opposite ends of the book and to bear on facing pages thereof when the book is open, means 35 for moving the said elements relatively to

each other and away from the book, and means connected to the support and adapted for gripping the back of the book.

2. In a book holder, the combination with a support for the book; of movable leaf 40 holding members mounted on the support and adapted to extend around the ends of the book, means for moving said members relatively to each other and away from the book, and a handle connected to the support 45 and adjacent to the said operating means.

3. A book holder comprising a support, means for removably securing a book to the support, movable leaf holders mounted on the support and adapted to extend 50 over the opposite ends of the book, a handle, and means for operating the leaf holders and arranged in proximity to the handle for the purpose described.

4. In a book holder, the combination of a 55 support including spaced side members adapted to receive between them the back of a book, channeled plates arranged between and connected to said side members and forming bearings for the opposite ends of 60 the book, and means for supporting sections of the book when open and arranged at an angle to said plates.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM R. MOLER.

Witnesses:

ROBERT B. THOMPSON,
R. H. YOUNG.