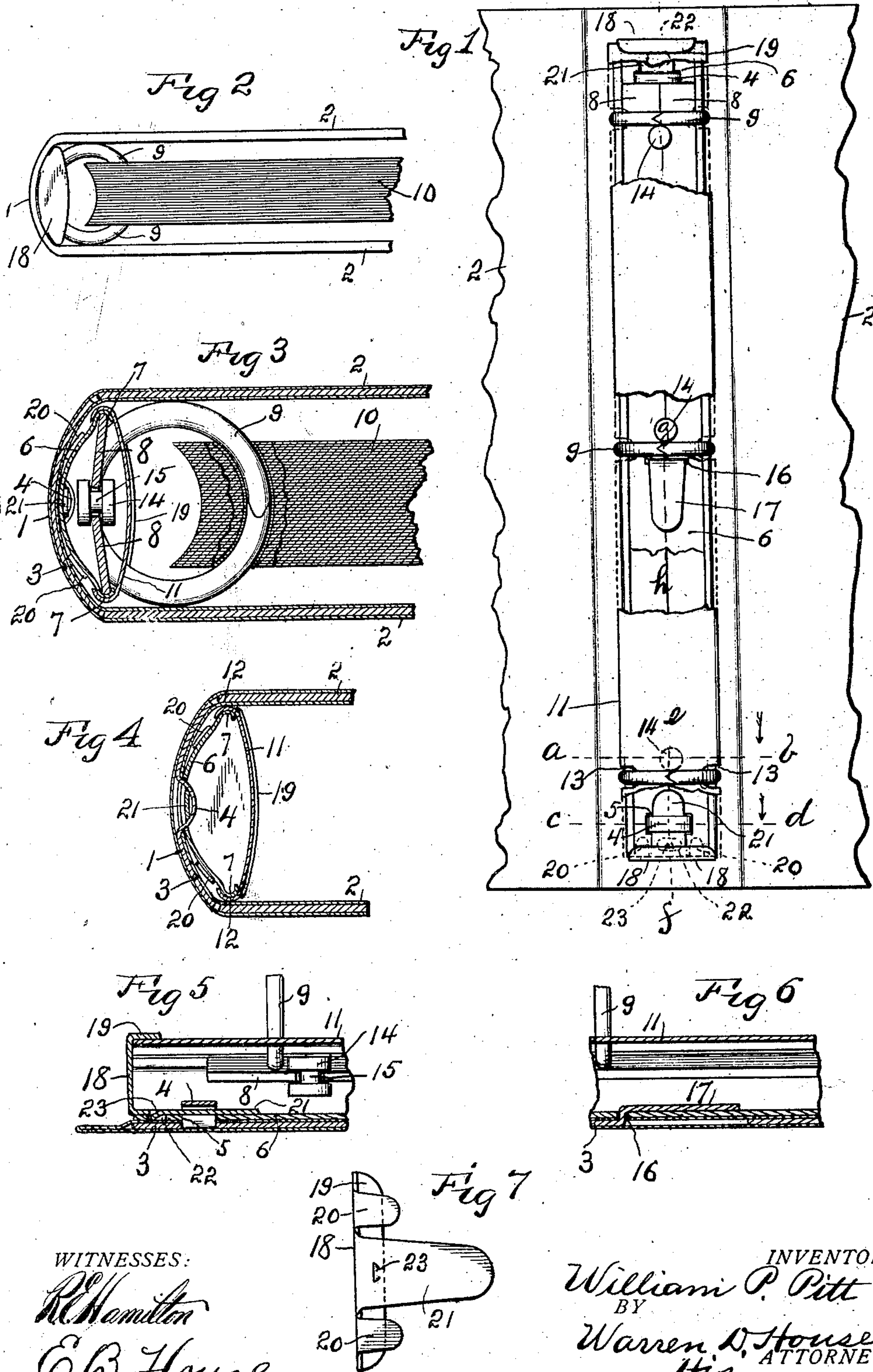


W. P. PITT.
LOOSE LEAF BOOK.
APPLICATION FILED NOV. 20, 1909.

985,282.

Patented Feb. 28, 1911.



WITNESSES:
R. Hamilton
E. B. House

INVENTOR.
William P. Pitt
BY
Warren D. House
His ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM P. PITT, OF INDEPENDENCE, MISSOURI, ASSIGNOR TO IRVING-PITT MANUFACTURING COMPANY, OF KANSAS CITY, MISSOURI, A CORPORATION OF MISSOURI.

LOOSE-LEAF BOOK.

985,282.

Specification of Letters Patent.

Patented Feb. 28, 1911.

Application filed November 20, 1909. Serial No. 529,044.

To all whom it may concern:

Be it known that I, WILLIAM P. PITT, a citizen of the United States, residing at Independence, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Loose-Leaf Books, of which the following is a specification.

My invention relates to improvements in loose leaf books.

It relates particularly to the class of loose leaf books provided with hook carrying members.

The object of my invention is to provide a construction in which the several parts may be quickly and securely, as well as detachably, fastened together, and which, when assembled, will present a finished appearance.

The novel features of my invention are hereinafter fully described and claimed.

In the accompanying drawings which illustrate the preferred form of my invention—

Figure 1 is a plan view, partly broken away, the covers being shown in the open position. Fig. 2 is an end view of a portion of a loose leaf book provided with my improvement. Fig. 3 is a horizontal section taken on the plane of the dotted line *a—b* in Fig. 1, the covers being shown in the closed position. Fig. 4 is a view similar to Fig. 3, taken on the plane corresponding to the dotted line *c—d* of Fig. 1. Fig. 5 is a longitudinal sectional view on the dotted line *e—f* of Fig. 1. Fig. 6 is a longitudinal sectional view on the dotted line *g—h* of Fig. 1. Fig. 7 is a bottom view of one of the end plates.

Similar characters of reference denote similar parts.

1 denotes the back and 2 the covers of the book. Secured to the back 1 and preferably embedded therein, is a metal back member 3, preferably provided with two eyes 4, which are adapted to be inserted through two holes 5 respectively, provided in a concavo-convex spring member 6, provided with longitudinal flanges 7, in which are disposed the outer edges of two longitudinal parallel hook carrying members 8 provided with cooperating hooks 9 of the ring type, which are adapted to support the loose leaves, denoted by 10. A retaining member 11 is provided with parallel flanges 12

for embracing the spring member 6. The retaining member 11 is preferably provided with notches 13 through which the hooks 9 extend. For imparting movement from one hook carrying member 8 to the opposite one, I provide one or more pins 14, which are disposed intermediate the hook carrying members 8 and are provided each with two heads which are disposed at opposite sides of the members 8. Preferably, said pins 14 comprise each a cylindrical body having an annular groove 15 in which are inserted the adjacent inner edges of the members 8. The spring member 6, preferably near its center, is provided with a hole 16 through which extends a tongue 17, which is provided on the back member 3. For securely fastening the retaining member 11 and the back member 3 to the spring member 6, I provide two end members 18, which are provided at their upper edges respectively with inwardly turned flanges 19 for embracing the upper side of the member 11 and at their lower edges are provided with inwardly extending tongues 20, adapted to embrace the underside of the spring member 6. The end members 18 are provided respectively with tongues 21 adapted to be respectively inserted through the eyes 4 so as to firmly secure the spring member 6 to the base member 3. In the spring member 6 adjacent its ends are provided two holes 22, adapted to respectively receive two projections 23 which extend downward respectively from the tongues 21 and prevent the accidental detachment of the members 18. Preferably the tongues 21 are resilient so as to permit the projections 23 to automatically enter the holes 22.

When the cover is constructed the back member 3 is embedded therein with the eyes 4 projecting therefrom. The hook members 8, spring member 6, and retaining member 11, are then assembled, after which the spring member 6 is mounted upon the back portion 1 of the cover, with the eyes 4 and tongue 17 of the back member 3 inserted through the holes 5 and 16 respectively. The end members 18 are then mounted in their respective positions, with the tongues 21 inserted in the eyes 4, the tongues 20 disposed below the member 6 and the flanges 19 resting on the upper side of the retaining member 11. The end members 18 in addition to securing the parts together serve

to cover the ends of the chamber formed by the retaining and spring members 6.

My invention is not limited to the particular construction shown and described, but it may be variously modified, within the scope of the appended claims, without departing from its spirit.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:—

1. In a loose leaf book, a back member, hook carrying members, a spring member for holding the hook carrying members in the open or closed positions, a retaining member for holding together the hook carrying members and the spring member, and a releasable securing member for holding the spring member secured to the back member.

2. In a loose leaf book, a back member, hook carrying members, a spring member for holding the hook carrying members in the open and closed positions, a retaining member for holding together the hook carrying members and the spring member, and two end members for securing to the spring member the back and retaining members.

3. In a loose leaf book, a back member having an eye, hook carrying members, a spring member for holding the hook carrying members in the open or closed positions, the spring member having a hole through which said eye is insertible, and a securing device insertible through said eye for holding together the back and spring members.

4. In a loose leaf book, a back member having an eye, hook carrying members, a spring member for holding the hook carrying members in the open or closed positions, the spring member having a hole through which said eye is insertible, and a securing device having means for being detachably secured to said spring member and insertible through said eye for holding together the spring and back members.

5. In a loose leaf book, a back member having two eyes, hook carrying members, a spring member for holding the hook carrying members in the open or closed positions and provided with two holes through which said two eyes are respectively insertible, and two securing devices respectively insertible through said eyes for holding together the spring and back members.

6. In a loose leaf book, a back member having an eye, hook carrying members, a spring member for holding the hook carrying members in the open or closed positions and provided with a hole through which said eye is insertible, and a securing member having tongues for embracing opposite sides of said spring member, one of said tongues being insertible through said eye for holding together the spring and back members.

7. In a loose leaf book, hook carrying members, a spring member for holding the

hook members in the open or closed positions, a retaining member for holding together the hook carrying members and the spring member, and a releasable securing member for holding together the retaining and spring members.

8. In a loose leaf book, hook carrying members, a spring member for holding the hook carrying members in the open or closed positions, a retaining member for holding together the hook carrying members and the spring member, and two members for respectively embracing the ends of the spring and retaining members for holding together the last named members.

9. In a loose leaf book, hook carrying members, a spring member for holding said members in the open or closed positions, a retaining member for holding together the hook carrying and spring members, and two end plates having means for embracing and holding together the retaining and spring members and being provided with means for releasably engaging one of the last named members.

10. In a loose leaf book, hook carrying members, a spring member for holding said members in the open or closed positions, the spring member having a hole, a back member having an eyelet insertible through said hole, a retaining member for holding together the spring and hook carrying members, and a securing device for holding together the spring and retaining members and being insertible through said eye for holding together the spring and back members.

11. In a loose leaf book, hook carrying members, a spring member for holding said members in the open or closed positions and having two holes, a retaining member for holding together the spring and hook carrying members, a back member having two eyes respectively insertible through said holes in the spring member, and two securing devices for holding together the spring and retaining members and adapted to be respectively inserted through said eyes for holding together the spring and back members.

12. In a loose leaf book, hook carrying members, a spring member for holding said members in the open or closed positions, a retaining member for holding together the hook carrying and spring members, a back member, and releasable means which holds the back and retaining members secured to the spring member.

13. In a loose leaf book, hook carrying members, a spring member for holding said members in the open or closed positions and having two holes, a retaining member for holding together the spring and hook carrying members, a back member having two eyes respectively insertible through said holes,

and two end plates for holding together the spring and retaining members and respectively insertible through said eyes for holding together the spring and back members,
5 said end plates having means for locking with the spring member for preventing their detachment.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

WILLIAM P. PITT.

Witnesses:

E. B. HOUSE,

FRANK F. SEVERANCE.