J. W. H. REISINGER.

Blank-Book.

No. 205,137. Patented June 18, 1878.

Fig. 1.

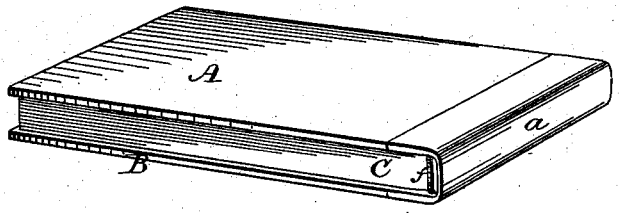


Fig. 2.

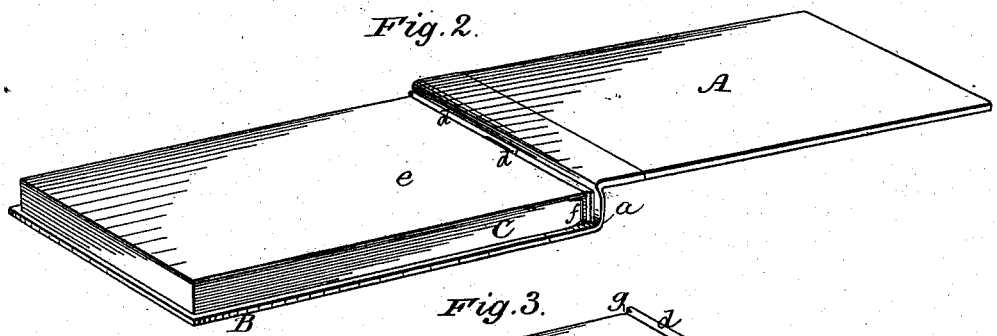


Fig. 3.

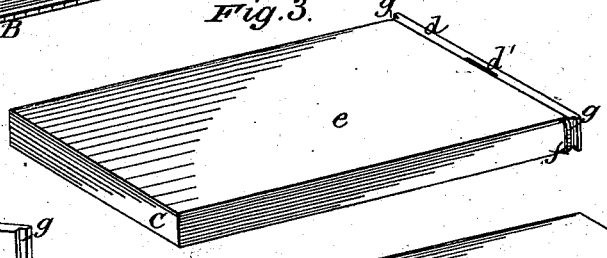


Fig. 8.

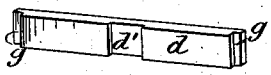


Fig. 4.

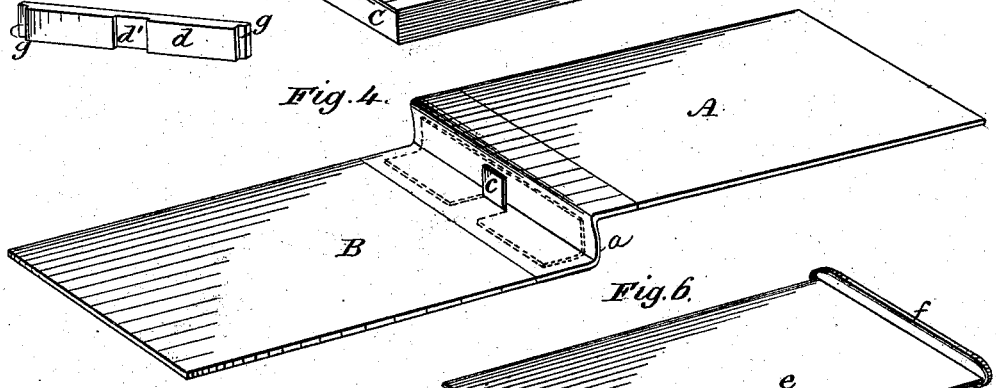


Fig. 6.

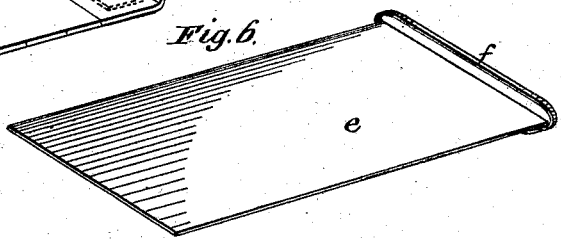


Fig. 5.

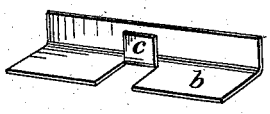
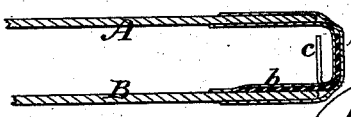


Fig. 7.



Witnesses:

E. E. Masson

Philip F. Larner

Inventor:

Jas. W. H. Reisinger

By Wm. C. Wood

Attorney.

UNITED STATES PATENT OFFICE.

JAMES W. H. REISINGER, OF MEADVILLE, PENNSYLVANIA.

IMPROVEMENT IN BLANK BOOKS.

Specification forming part of Letters Patent No. **205,137**, dated June 18, 1878; application filed May 7, 1878.

To all whom it may concern:

Be it known that I, JAMES W. H. REISINGER, of the city of Meadville, in the county of Crawford and State of Pennsylvania, have invented certain new and useful Improvements in Blank Books; and I do hereby declare that the following specification, taken in connection with the drawings furnished and forming a part of the same, is a clear, true, and complete description of my said improvements.

My invention relates to that class of blank books which have detachable covers, and is of special value in that class of books from which the leaves are successively detached in whole or in part, as from check-books and order-books, or as with letter and note paper when united in the well-known tablet form.

The main feature of my invention consists in a pair of book-covers, one of which is flexibly jointed to the back and the other rigidly connected with the back and provided with a stud or studs projecting at right angles to the inner surface of the cover near the back. With such covers a set of leaves or a tablet may be used when provided with suitable apertures for the stud or studs to enter, and, one of said covers being rigidly connected with the back, the paper near the studs is not liable to be torn, because the paper, the studs, and the cover which carries the studs always maintain the same position with relation to each other.

Another feature of my invention consists in a book specially constructed for use with my detachable cover, said book being composed of a stack or series of leaves lightly glued or otherwise adhesively secured together at one end or side, and provided with a rigid backing of proper length and width, corresponding, respectively, to the width of the cover along the back and the thickness of the book, and having between said backing and the leaves openings or apertures to receive the before-mentioned studs. The backing thus applied affords a firm connection of the body of the book with the cover, retaining firmly the last remaining leaf of a book, and it admits of the withdrawal of each leaf intact, because the edge only of each leaf is connected to the backing.

It is desirable that a ready blotter be provided with books of this class, and they have been heretofore applied in various ways; and another feature of my invention consists in a set or series of leaves united at one side or edge and provided with oppositely-located recesses, in combination with a blotter provided with an elastic or other cord, by which it may be united to the mass of leaves, said cord occupying the recesses, and the blotter being thereby securely maintained in its proper position, and readily removed and replaced.

The elastic cord is preferable to any other, and a stationer's elastic band is therefore used by me in this connection, because with it, as the leaves are removed and the book becomes thinner, the blotter will continue to be drawn downward into contact with the upper sheet. These recesses may be cut in the edge of the stack or pile of leaves or sheets; but, in order that these may be free from such mutilation, I apply the backing before referred to, and provide recesses by cutting into each end of the backing, so as to afford space for the cord between the backing and the paper.

My invention further consists in certain other combinations of the parts thus described, as will be hereinafter fully set forth.

To more particularly describe my invention, I will refer to the accompanying drawings, in which—

Figure 1 represents, in perspective, one of my books complete. Fig. 2 represents the same with the cover thrown back. Fig. 3 represents the body of the book detached from the covers. Fig. 4 represents the covers of the book detached from the body and thrown open. Fig. 5 represents the angle-plate detached from the covers. Fig. 6 represents the blotter and its binding-cord detached. Fig. 7 is a sectional view of the covers and their back. Fig. 8 represents the rigid backing detached.

The covers A and B are composed of heavy board, cloth, or paper, as may be desired, and their back *a* is of cloth or leather, united as usual, so that the exterior appearance of the book is like that of books with non-detachable binding. One cover, A, is flexibly jointed to the back in the usual manner. The cover B is rigidly attached to the back, and is capable of no movement independently of the back. This inflexible connection of the back with one

cover is attained by the use of an angle-plate, which is inclosed or embedded in the back and cover. This plate is shown in Figs. 5 and 7 at *b*, and is preferably composed of brass, iron, or steel sufficiently thin to admit of a good exterior finish when wholly inclosed by the cloth, leather, or paper employed in making the covers and back. That portion of the angle-plate which is embedded in the cover B constitutes a firm foundation for the stud *c*, which projects at right angles from its inner surface adjacent to the inner surface of that portion of the plate which occupies the back.

The stud *c* may be of any desired form and attached to said plate, or it may be formed of a part thereof, so cut that it may be turned at right angles. I prefer that it be flat and thin, because a single flat stud, as shown in the drawing, if centrally located, will serve to securely hold a book of ordinary width; but I sometimes use two, three, or more of these studs. It is also desirable that these studs be composed of spring metal, so that they will be enabled to operate as clamps upon whatever is interposed between them and the adjacent inner covered surface of the back portion of the angle-plate.

The body of the book C shown in the drawings is composed of a stack of half-sheets of note-paper, and these are so put together that each sheet or page can be withdrawn practically intact, because each is confined solely by gum or glue at its top edge, as heretofore in tablets.

The stack of leaves at the top edge is provided with the rigid backing *d*, which is as long as the sheets are wide and as wide as the thickness of the stack or tablet. The thickness of the backing will be varied according to the size of the book. This backing may be made of wood, heavy card-board, or any other material of requisite rigidity, and it is attached to the sheets with glue or other reliable adhesive matter.

The inner side of the backing is slightly recessed, as at *d'*, so that when applied to the body of the book the requisite openings or apertures will be afforded for the reception of the stud *c*. These openings for very thin studs require no actual recessing of the backing, because if the backing be not glued at the point where an opening is desired the stud can readily be forced between the backing and the paper.

The blotter *e* is provided with an elastic band, *f*, which occupies the recesses *g* on each side of the book near its back. These recesses may be cut into the edges of the leaves; but it is preferable that each leaf be practically perfect, and therefore I cut a shoulder at the inner surface of the backing *d* at each end, and the space between the backing and the paper affords the desired recess. A blotter thus applied is held down firmly by the elastic band, whether the book be thick or thin, and the recesses prevent it from being drawn off except by special manipulation.

The blotter and the cord or band are united by folding the blotter at one end over the cord and securing it with adhesive matter. Fresh blotters may thus be readily applied from time to time.

It will be seen that in my book the leaves and cover are so united that each leaf may be wholly detached intact, if desired, and that the last of the sheets will be as firmly held in place as the full book.

The flat studs prevent the lateral movement of the body of the book independently of its cover, and there is no liability of their being separated under ordinary circumstances.

The space between the stud and rigid back being fully occupied by the adjacent portion of the backing, and the latter being firmly united to the leaves, the entire book is nearly as solid and firm as one bound in the usual permanent manner.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A pair of detachable book-covers, one of which is flexibly jointed to the back and the other rigidly connected therewith and provided with one or more studs, which project at right angles from the inner side of said cover near the back, substantially as described.

2. A stack or series of leaves or sheets of paper constituting the body of a blank book, adhesively secured together at one end or side and provided with a rigid backing, and an opening between the backing and the paper, substantially as described.

3. The combination of a stack or series of sheets of paper, united at one end or side and oppositely recessed, with a blotter provided with an elastic band or cord, which occupies the recesses in the stack of paper, substantially as described.

4. A pair of detachable united covers, one of which is provided near the back thereof with one or more studs projecting at right angles from its inner side, in combination with a stack or series of leaves or sheets of paper united at the ends and provided with a rigid backing, and with one or more openings between the backing and paper to receive the studs, substantially as described.

JAMES W. H. REISINGER.

Witnesses:

N. B. HOFFORD,

ARNOLD P. REISINGER.