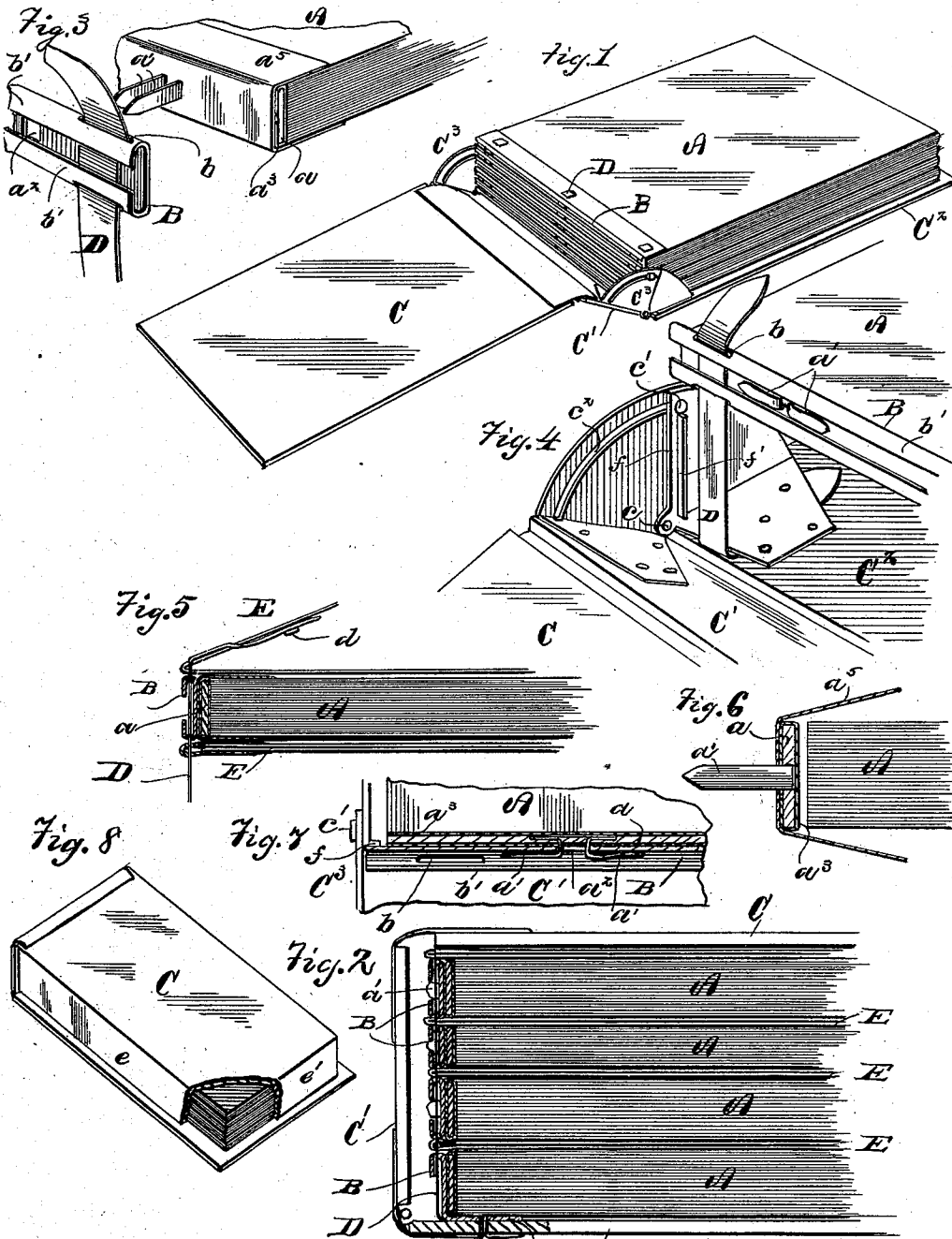


(Model.)

J. E. SCHONACKER.  
PAD BOOK.

No. 401,909.

Patented Apr. 23, 1889.



Witnesses  
W. D. Grove  
A Bradford.

Inventor  
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By *Chas. A. [Signature]*

# UNITED STATES PATENT OFFICE.

JOHN E. SCHONACKER, OF SPRINGFIELD, OHIO, ASSIGNOR TO THE BOOK METAL COMPANY, OF SAME PLACE.

## PAD-BOOK.

SPECIFICATION forming part of Letters Patent No. 401,909, dated April 23, 1889.

Application filed March 17, 1888. Serial No. 267,550. (Model.)

*To all whom it may concern:*

Be it known that I, JOHN E. SCHONACKER, a citizen of the United States, residing at Springfield, in the county of Clark and State of Ohio, have invented certain new and useful Improvements in Pad-Books, of which the following is a specification.

My invention relates to improvements in pad-books, and it particularly relates to that class of pad-books described and set forth in Letters Patent No. 342,286, to James W. Cummins, dated May 18, 1886, in which several pads or sections are placed together in one book, so that one or more sheets of one pad may be loosened or removed without loosening or destroying any other sheets of its own or any other pad.

My invention consists in the various constructions and combinations of parts hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a pad-book embodying my invention. Fig. 2 is a partial sectional elevational view of the same, showing the method of attaching the sections in the book so that the same may be readily removed therefrom and new pads added when the blanks or sheets of which the said pad is composed are exhausted. Fig. 3 is a perspective view in detail showing the manner of attaching the pads to the section-holders. Fig. 4 is a detail view in perspective showing the method of securing the section-holders and their attached pads. Fig. 5 is a sectional elevation view in detail showing the method of attaching the binding-strips which retain the section-holders. Fig. 6 is an elevation view, partly in section, showing the method of attaching the fastening device to the respective pads. Fig. 7 is a partial longitudinal sectional view of the pad-attaching device and the section-holding device. Fig. 8 is a perspective view in detail showing a modified form of case or cover in which the respective parts are retained.

Like parts are indicated by similar letters of reference throughout the several views.

In the said drawings, A represents the respective pads, each of which is made up of any desired number of sheets or blanks, to one

end of which is attached a plate, *a*, preferably of tin or other suitable material, and provided with flexible extensions *a'*, which may be formed by punching out the material of the strip or be made separate, as desired. Each of the pads is secured to a section-holding device, B, supported in the cover or case C in the manner hereinafter described.

The section-holders B each consists, preferably, of a strip of metal having the edges folded in, as shown in Fig. 3, and provided with openings *a<sup>2</sup>*, through which the projecting cleats *a'* are adapted to extend. The respective pads are secured to the holding-sections B by passing the said cleats *a'* through the openings *a<sup>2</sup>* and bending the points down, as shown in Figs. 4 and 7.

The section-holders B are secured in the cover C, preferably by means of parchment strips D, any suitable number of which may be used. These parchment strips D pass through openings *b* in the folded edges *b'* of the section-holders B. The cover C is preferably formed of three parts, C, C', and C<sup>2</sup>, the bottom portion, C<sup>2</sup>, and the middle portion, C', being connected together at either side by a hinge, C<sup>3</sup>. These hinges C<sup>3</sup> each consists of two metallic sectors, pivoted together at the bottom at the point *c* and connected together at the top by a stud or pin, *c'*, secured rigidly in one of the said sectors and adapted to operate in a slot, *c<sup>2</sup>*, in the other sector. The top or cover proper, C, is hinged to the metal portion C' by a flexible hinge of cloth or other suitable well-known material.

In making up the pad-book the parchment binding-strips D are secured to the lower portion, C<sup>2</sup>, of the cover, the side strips being preferably placed under the metal portion of one of the hinged sectors, as shown in Fig. 4, the said sectors being secured to the bottom portion, C<sup>2</sup>, by rivets, cleats, or in any other suitable manner. The section-holders are then placed on the parchment strips, a flexible cover or fly-leaf, E, being placed between each of the section-holders in the series. When a sufficient number of section-holders are placed in the series to provide for the desired number of pads, an additional fly-leaf or cover is added, and the parchment strips

D passed upward through the same, thence down through said fly-leaf, and, if desired, may be secured in the inner side thereof by a small rivet or pin, *d*. (Shown in Fig. 5.) The section-holders being placed in position the pads may be secured thereto by passing the projections *a'* in each pad through the section-holders and clinching the same, as before described; or, if desired, in the first instance the section-holders may be first clinched to the pads and afterward arranged in series in the manner set forth.

In securing the plates *a* to the pads A, I first preferably fasten securely to the strip *a*, by gluing or otherwise, a piece of cloth, *a'*, and this I glue or paste firmly to the end of the pad A, after which I place a binding-strip of cloth or other suitable material around the plate *a* and paste the ends securely to the top and bottom of the pad A. The fly-leaves or division-strips E, I preferably make double, so that a fly-leaf or cover is formed at the top and bottom of each pad. These fly-leaves or covers may be made of any suitable flexible material and formed of a single piece or of two pieces connected together at the end by a suitable flexible hinge, through which the parchment strip D is adapted to pass.

In order to prevent the section-holders and their attached pads from falling forward as the pads are reduced in thickness by the removal of sheets or blanks therefrom, I preferably extend the section-holders beyond the sides of the pads sufficient to permit them to come against the rear edges, *f*, of the front sector of the hinge C<sup>3</sup>, as shown in Fig. 7; or, if desired, a separate flange, *f'*, as shown in Fig. 4, may be provided, against which the edges of the section-holders are adapted to rest, and thus hold the same at all times in alignment with each other. The lower section-holder, being stationary, is preferably provided with a fastening-strip, *f*<sup>2</sup>, at right angles to the main portion, and is riveted or otherwise secured directly to the bottom C<sup>2</sup> of the cover or casing. (See Fig. 2.)

In most cases in binding the detachable pads and section-holders together it will be found sufficient to fasten the end of the binding-parchment D by passing it through the upper cover or fly-leaf, as described, without any other fastening, though any additional fastening may be provided, if desired.

It will be seen that by the construction thus described a pad-book will be formed in which a sheet or blank from any pad may be removed without destroying the sheets in the same or other pads, the pads being connected together through the section-holders by means of the flexible parchment strips, which are independent of the back or cover, and the pad-book may be turned to any position and lie perfectly flat, so that the surface of any pad will be exposed in a convenient position for writing thereon.

By having the detachable connections be-

tween the pads and the section-holders any pad may be removed when the blanks or leaves therein are exhausted, and a new pad inserted without disturbing the other pads of the series. By having the removable section-holders as set forth the number of sections forming the pad-book may be increased or diminished as desired, so that a larger or smaller variety of blanks may be inclosed within the same cover of the book by removing one set of section-holders and inserting another set adapted to hold smaller or larger pads, as the case may be, so that a greater or less number of sections will fill the case or covers.

If desired, the cover C may be provided with sides *e'* and an end portion, E', so that when closed the pads or blanks will be completely inclosed thereby.

It is obvious that various other modifications may be employed in the constructions herein set forth, as will readily suggest themselves to the mind of an ordinary mechanic. I do not, therefore, limit myself to the constructions herein shown and described; but

I claim as my invention—

1. A pad-book composed of a series of section-holders hinged together independently of the case or cover and provided with detachable pads, substantially as and for the purpose set forth.

2. The combination, with the case or covers, of flexible binding-strips and the removable section-holders having the folded edges, as described, and openings through which said binding-strips are adapted to pass, substantially as and for the purpose set forth.

3. The combination, in a pad-book, of the removable section-holders joined together by the flexible strips, and the detachable pads secured to said section-holders, substantially as set forth.

4. The combination, in a pad-book, of a series of pads each provided with a metallic plate secured to one end thereof and having flexible projecting points or cleats adapted to pass through a section-holding device and be clinched thereto, substantially as and for the purpose set forth.

5. The combination, in a pad-book, of the section-holders having the folded edges and arranged in series, of the flexible strips, as described, and the detachable pads, each having the metallic plate and projecting points or cleats, said points or cleats being adapted to pass through openings in said section-holders and be clinched thereto, substantially as and for the purpose set forth.

6. The combination, in a pad-book, with the cover formed of three parts, the bottom and end portions of which are hinged together by pivoted sectors, one of which is provided with a slotted opening and the other with a stationary pin or stud adapted to move in said slot, of a series of section-holders secured to said cover adapted to turn independent thereof,

and detachable pads connected to said section-holders, substantially as and for the purpose set forth.

7. The combination, with the section-holders  
5 having a metallic plate with projecting flexible points or cleats, said plate being first covered with a strip of cloth glued or otherwise firmly secured to the end of said pad, of a binding-strip passed around said cloth-covered plate  
10 and the ends thereof glued or otherwise secured to the top and bottom of said pad, substantially as and for the purpose set forth.

8. The combination, with a hinged cover, as described, of the flexible binding-strips secured at the lower end to said cover, the removable section-holders having folded edges with openings therein through which said binding-strips are adapted to pass, a series of pads each provided with a metallic plate having projecting flexible points or cleats, and  
15 openings in said section-holders through which said cleats are adapted to pass and be  
20

clined for the purpose of holding said pads in position on said section-holders, substantially as and for the purpose set forth. 25

9. The combination, with a case or cover, of the series of section-holders and their attached pads, said section-holders being extended beyond the sides of said pads and adapted to rest against a flange or projection to keep the  
30 same in line, as set forth.

10. The combination, with the covers of a book or case, of a hinge formed of pivoted sectors, one of which is provided with a stud adapted to operate in a slotted opening in the  
35 other, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand this 8th day of March, A D. 1888.

JOHN E. SCHONACKER.

Witnesses:

PAUL A. STALEY,  
J. D. RODGERS.