(No Model.)

F. FLAMMGER & C. O. SOBINSKI.

INDEX TAB.

No. 277,836. Patented May 15, 1883.

FIG. 1.

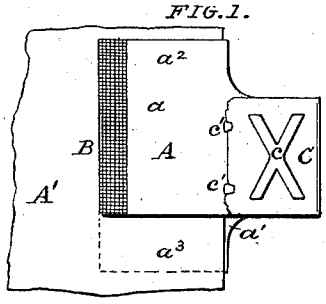


FIG. 2.

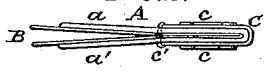


FIG. 3.

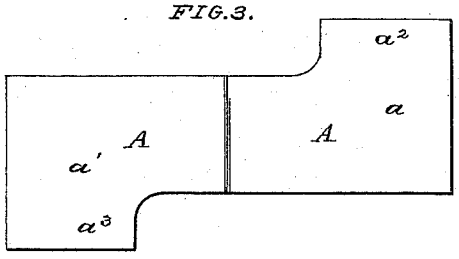


FIG. 4.

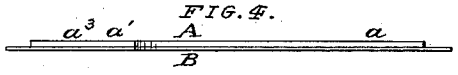


FIG. 5.

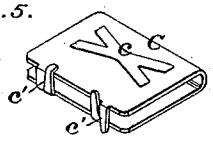
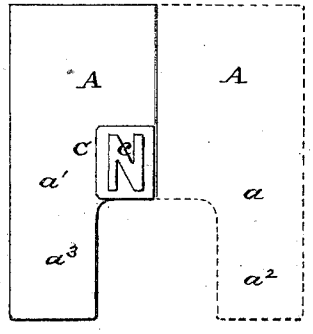


FIG. 6.



ATTEST:

E. F. Andrews.

E. L. Mosse.

INVENTORS:

Fred Flammger

Charles O. Sobinski

per Robert Burns

Attorney.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

FRED FLAMMGER AND CHARLES O. SOBINSKI, OF ST. LOUIS, MISSOURI; SAID SOBINSKI ASSIGNOR TO GUSTAV FREY, OF SAME PLACE.

INDEX-TAB.

SPECIFICATION forming part of Letters Patent No. 277,836, dated May 15, 1883.

Application filed January 16, 1882. (No model.)

To all whom it may concern:

Be it known that we, FRED FLAMMGER and CHARLES O. SOBINSKI, citizens of the United States, and residents of the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Metal-Plate Index-Tabs, of which the following is a specification.

This invention relates to certain improvements in index-tabs, and has for its object the formation of such tabs of a strong and lasting construction; and the invention consists—

First. In forming the index-letter upon a thin plate of metal secured to a flexible base, of leather or other suitable material, so as to cover and protect from wear the projecting or tab portion of such attaching-base. With this construction a very flexible tab can be formed, and the objections to index-tabs now in use, on that score, entirely overcome, as will hereinafter more fully appear.

Second. In forming said letter-plate double and bent upon itself, so as to embrace its flexible attaching-base, to which it is secured by prongs or clips integral with the plate, which clips also act as an abutment or shoulder for the book-leaf to which the tab is applied, to insure a proper and even attachment of the parts, as will hereinafter more fully appear.

In the drawings, Figure 1 is an elevation of the tab complete. Fig. 2 is an end view of same. Fig. 3 is an elevation of the flexible base opened out. Fig. 4 is an end view of same. Fig. 5 is a perspective view of the letter-plate. Fig. 6 is an elevation of a modified form of our improvement, adapted for use in connection with "cut-out" indexes.

Similar letters of reference indicate like parts throughout the several views.

Referring to the drawings, A represents the flexible base, formed double, and bent at its center, so as to form embracing-wings *a a'* for the book-leaf A'.

B is a lining, of linen or other suitable material, cemented to the under side of the base A, and underlying the whole of the same, so as to strengthen the same and prevent its stretching in use. The attaching-base, as usual, is made wider than the tab or projecting portion, so as to form a strong and effective connection with the leaf, so that any strain upon the tab will be brought upon said widened portion, and not upon the leaf, a tearing of which is thereby avoided. Our improvement upon such construction consists in forming or arranging the widened portions or ends in the manner clearly indicated in Figs. 1 and 3, the portion a^2 projecting upwardly at front and the portion a^3 downwardly at the back of the base, which are the directions in which the strains are brought upon the tab in use. The advantage of this construction is that it prevents any unnecessary swelling of the book, as only a single thickness of the base (the projection a^2 or a^3) rests upon the next adjacent tab.

C is the metallic letter-plate, in the surface of which is formed the index-letter *c*, either by being raised or sunken, as desired, the letter remaining bright, while the balance of the plate is covered with a suitable finish or composition, or vice versa. The letter-plate C is formed double, similar to its base A, with a letter, *c c*, on each side and bent around said base, to which it is secured by prongs or clips *c'*, (integral with the plate,) which pass through the base A and have their ends bent down or clinched, as shown. The prongs *c'*, where they pass through the base A, form an abutment or shoulder, against which the edge of the book-leaf abuts to insure an even attachment of the parts. By our improved mode of forming the letter-plate C and attaching it to its base, the very desirable features of a strong, durable, and flexible construction are attained, and as said plate covers the whole of the projecting or tab portion of the base A it protects the same from wear in a very effective manner.

We are aware that prior to our invention index-tabs have been used formed wholly of plate metal folded together and attached to the book-leaf by slipping the same between the folded ends of the index-tab; also, that tabs provided with a base of leather having a cut-out index-letter of plate metal attached thereto have been used. We therefore do not claim such construction, broadly; but,

Having thus fully described our said invention, what we claim, and desire to secure by Letters Patent, is—

1. An index-tab for books, consisting of a flexible attaching-base, A, having its projecting or tab portion covered and protected by a metal plate, C, on which are formed the index-letters, as and for the purpose set forth.

2. An index-tab for books, consisting of a flexible attaching-base, A, having its projecting or tab portion covered and protected by a metal index-plate, C, formed double, and secured to said base by prongs or clips *c'*, extending clear through the base, as herein described, and for the purpose set forth.

In testimony whereof, witness our hands this 13th day of January, 1882, at St. Louis, Missouri.

FRED FLAMMGER.
CHAS. O. SOBINSKI.

In presence of—
ROBERT BURNS,
E. L. MORSE.