

(No Model.)

A. F. SMITH.
PUZZLE CARD CASE.

No. 507,244.

Patented Oct. 24, 1893.

Fig. 1.

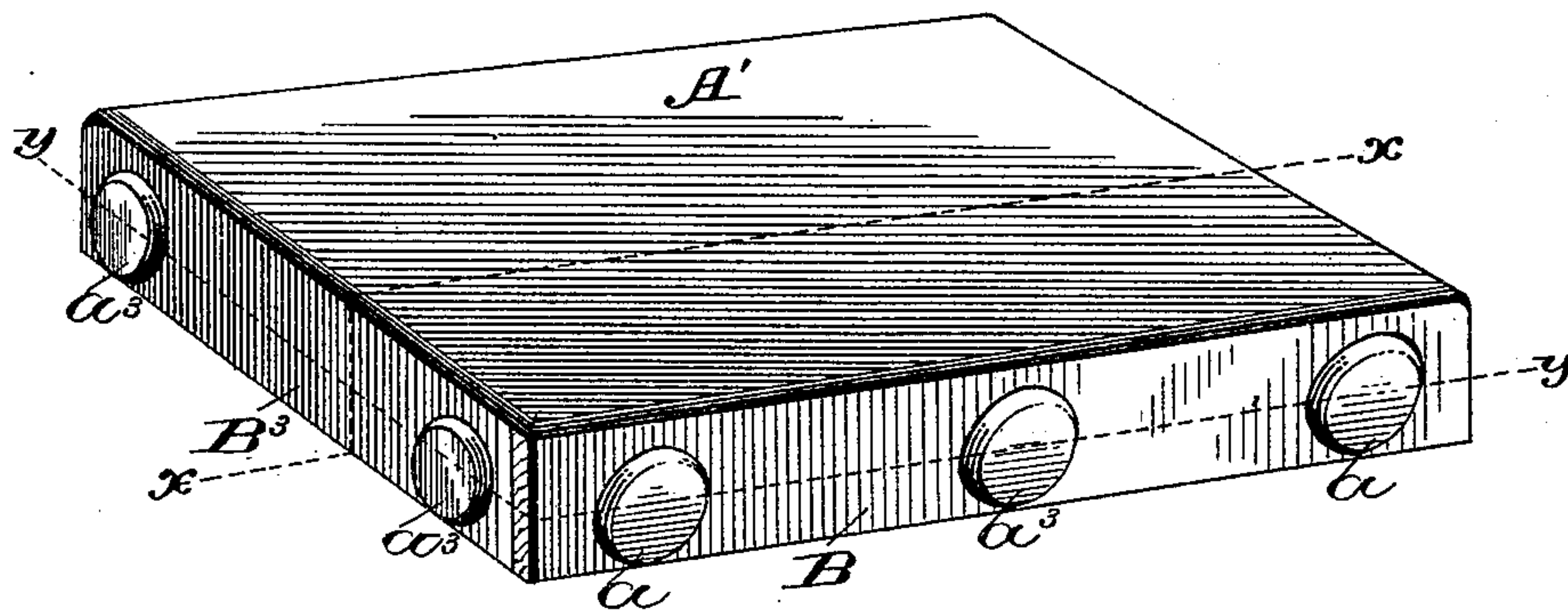


Fig. 2.

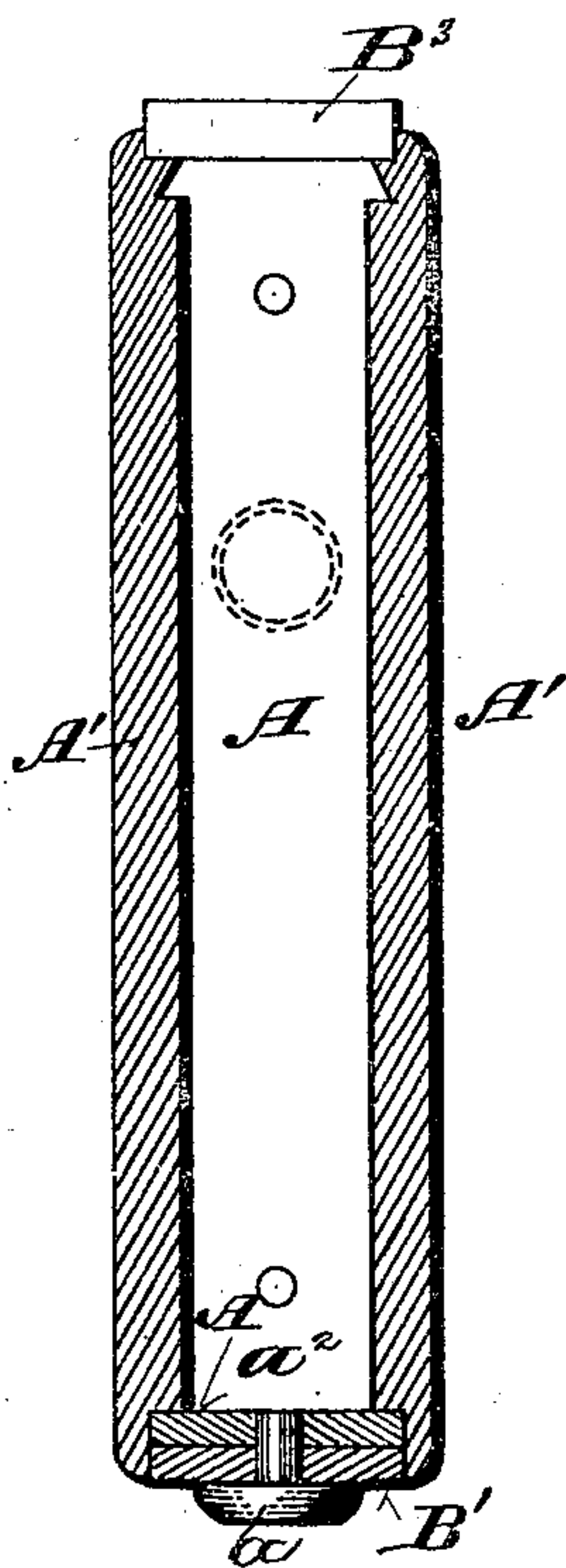
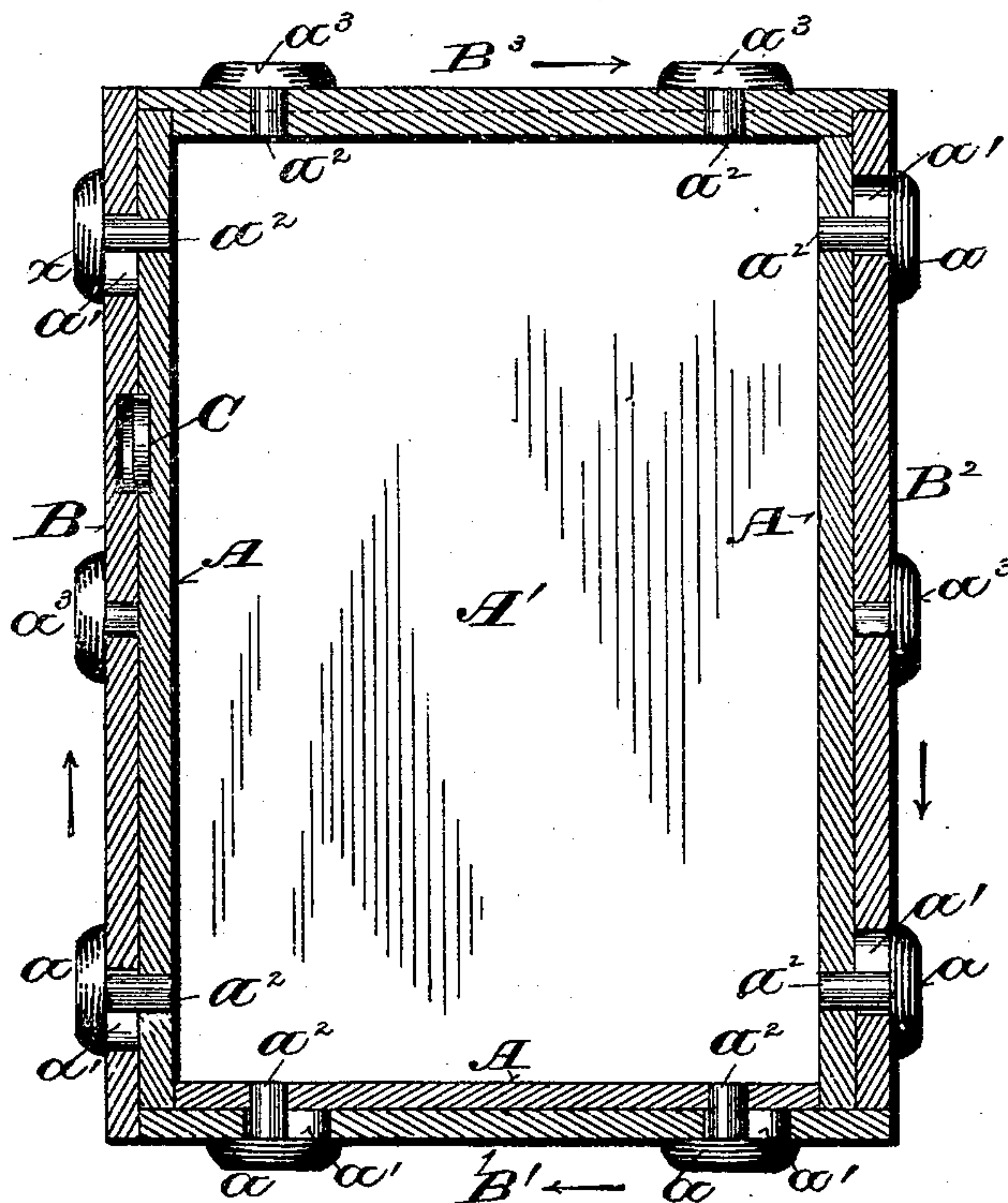


Fig. 3.



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UNITED STATES PATENT OFFICE.

ALONZO F. SMITH, OF MILWAUKEE, WISCONSIN.

PUZZLE CARD-CASE.

SPECIFICATION forming part of Letters Patent No. 507,244, dated October 24, 1893.

Application filed May 28, 1888. Serial No. 275,316. (No model.)

To all whom it may concern:

Be it known that I, ALONZO F. SMITH, of the city and county of Milwaukee and State of Wisconsin, have invented certain new and
5 useful Improvements in Puzzle Card-Cases; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the
10 same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The main objects of my invention are to
15 provide an attractive case for cards or other articles, and to provide for such case a locking device which will afford to those unfamiliar with its working a puzzle.

It consists essentially of a case having a
20 number of sliding sections one overlapping and locking another, and a catch arranged to lock one of said sliding sections.

In the accompanying drawings like letters designate the same parts in the several figures.
25 Figure 1 is a perspective view of my improved case. Fig. 2 is a section on the line $x x$, Fig. 1, and Fig. 3 is a section on the line $y y$, Fig. 1.

Two of the narrower sides and one end of
30 the case are composed of fixed inner sections $A A$ and longitudinally sliding outer sections B, B' and B^2 , which are secured to said inner sections A by buttons $a a$. The stems $a^2 a^2$ of said buttons pass through slots $a' a'$ in said
35 outer sliding sections and are made fast in the inner fixed sections A . These broad, flat buttons cover and conceal the slots $a' a'$, and serve not only as fastenings for said sliding sections, but also to ornament the case and
40 to obscure the method or means of opening the same. The remaining end section B^3 , formed in one piece with tongues on its edges which work in similar grooves in the sides $A' A'$ of the case, as shown in Fig. 2, is removable and constitutes the cover.
45

To present a uniform arrangement of the ornamental buttons and a symmetrical appearance of the case and to further obscure the means or method of opening the case, I
50 provide the cover and the middle of the longer sections B and B^2 with buttons $a^3 a^3$, having

short stems which are secured therein, being movable therewith.

$A' A'$ are single side sections of the case permanently attached to the fixed inner sections $A A$. 55

C is a disk inserted in a recess formed partly in the sliding section B and partly in the adjacent fixed section A , that part of the recess in section B being of equal or greater depth
60 than the thickness of said disk, while that part in section A is of less depth than the thickness of said disk.

The inner end of the sliding cover B^3 when closed abuts against the end of section B and
65 the section A , to which it is attached; the sliding section B^2 projects at one end when the case is closed over the outer end of said cover; section B' in turn projects over the other end of said section B^2 , and section B overlaps the
70 opposite end of said section B' , each of said sections, beginning with the cover, being thus locked by the next.

To open the case, it is held with the section B on the under side, in which position the
75 disk C drops entirely into the recess therein, allowing said section to be slid lengthwise on the fixed section A , to which it is attached. The several sections B, B' and B^2 are then moved in the order named, as indicated by
80 the arrows Fig. 3, each being released in turn by the one preceding, and finally the cover B^3 , which is withdrawn.

In whatever position of the case the disk C remains in the shallower recess in section A
85 projecting into the deeper recess in the adjacent sliding section B , the latter will be locked thereby and prevented from being moved on said section A . The buttons $a^3 a^3$ on sections B and B^2 may be utilized as thumb pieces in
90 moving them and opening the case. A part only of the buttons serving for this purpose, the opening of the case is rendered more puzzling.

It is obvious that the case may be constructed
95 with one or more sliding sections besides the cover, arranged in the manner hereinbefore described, and that the details of construction of the case may be variously modified without departing from the spirit of my
100 invention.

I claim—

1. A puzzle case having two or more sliding sections, one constituting the cover and the other constituting an exposed side of the case and movable transversely thereto over the
5 end of the cover or of the next preceding section, so as to prevent its withdrawal, substantially as and for the purposes set forth.
2. In a puzzle case, the combination of a sliding cover and a series of sliding sections,
10 each movable transversely to the preceding cover or section over the end of the same, so as to prevent its withdrawal, substantially as and for the purposes set forth.
3. In a puzzle case, the combination of a
15 sliding cover and one or more sliding sections, each movable transversely to the preceding section or cover over the end of the same so as to prevent its withdrawal, and a concealed gravitating catch arranged to lock the last
20 section in the series of sliding sections except when the case is held in a certain position, substantially as and for the purposes set forth.
4. The combination in a case having a sliding cover, of slotted sliding sections, one overlapping and locking another, including the
25 cover, fixed inner sections and buttons having stems passing through the slots in said sliding sections and secured in said fixed sections, substantially as and for the purposes set forth.
5. In a case having a sliding cover, the combination with fixed inner sections, of slotted sliding sections, buttons having stems passing through slots in said sliding sections, and secured in the inner fixed sections, similar
35 buttons fixed to the cover and to the sliding sections, and a gravitating catch working with one of said sliding sections, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as
my own I affix my signature in presence of two
witnesses.

ALONZO F. SMITH.

Witnesses:

GEORGE M. GOLL,
CHAS. L. GOSS.