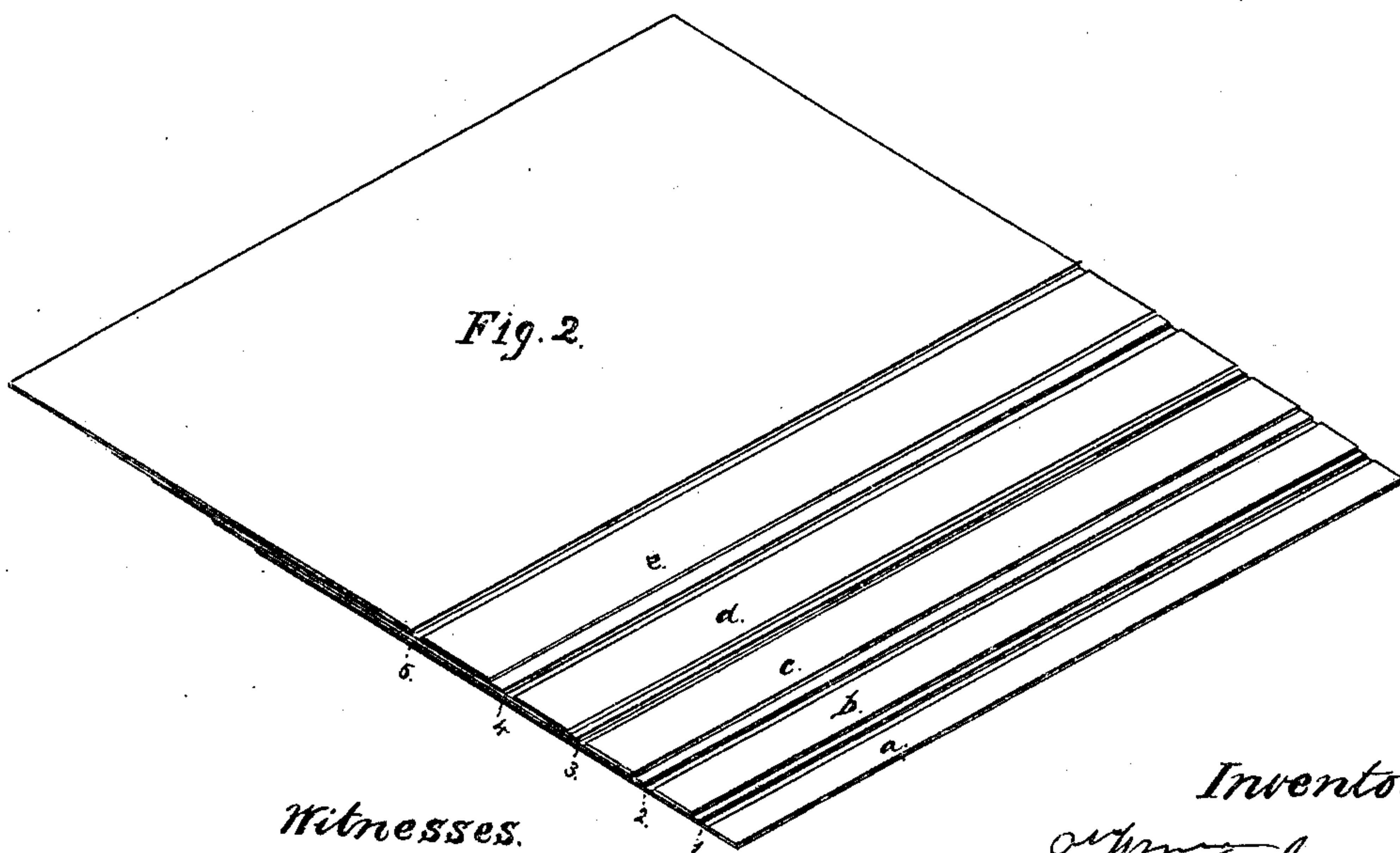
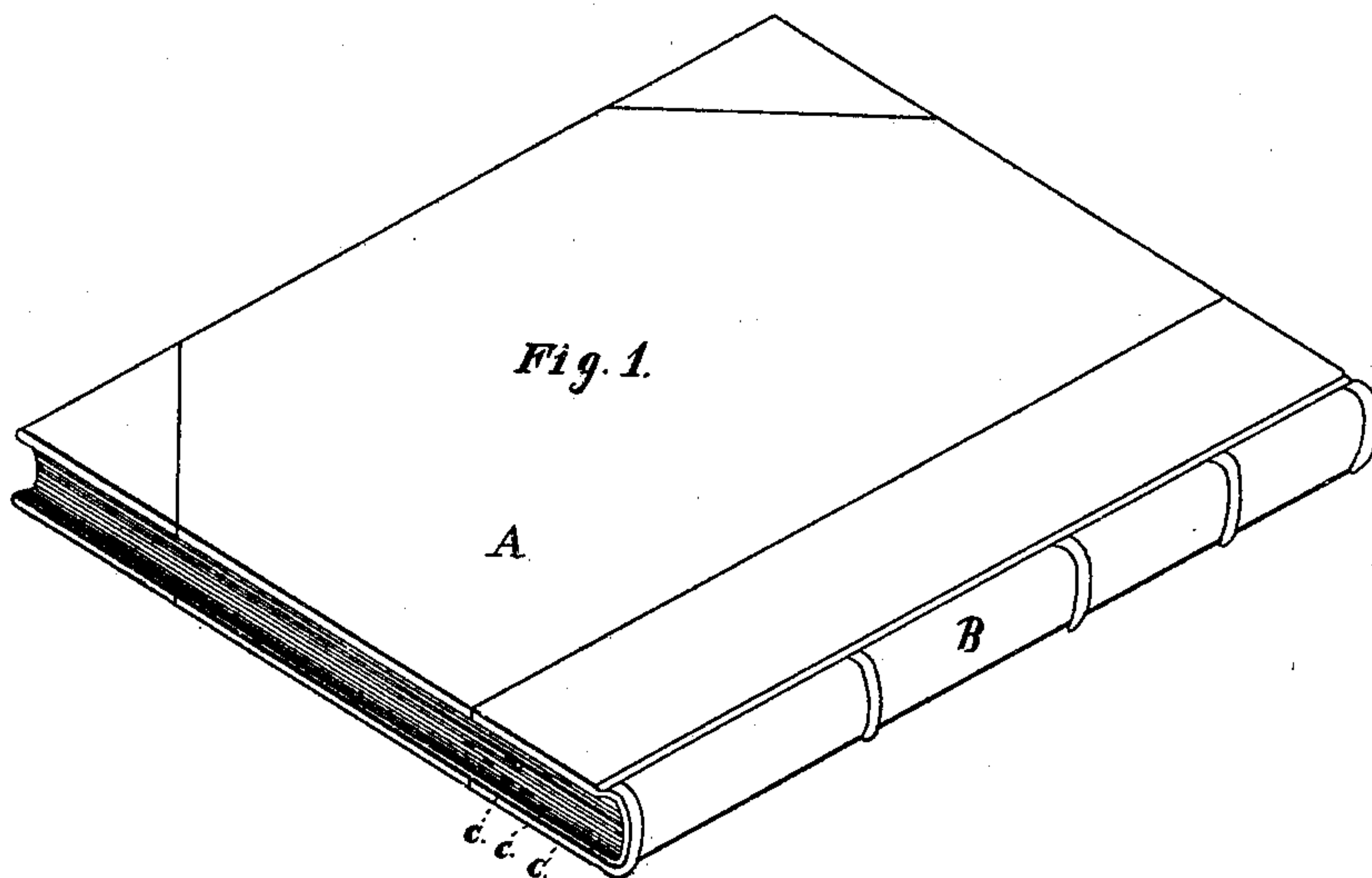


W. T. ANDERSON.
BINDING ENGRAVINGS, &c.

No. 30,277.

Patented Oct. 2, 1860.



Witnesses.

Elmer E. Clarke
Thos. B. How

Inventor

Wm. T. Anderson

UNITED STATES PATENT OFFICE.

WM. T. ANDERSON, OF BROOKLYN, NEW YORK, ASSIGNOR TO HIMSELF AND H. S. ARCHER,
OF BROOKLYN, NEW YORK.

BINDING ENGRAVINGS, &c.

Specification of Letters Patent No. 30,277, dated October 2, 1860.

To all whom it may concern:

Be it known that I, WILLIAM T. ANDERSON, of Brooklyn, in the county of Kings and State of New York, have invented an
5 Improvement in Binding Engravings and Similar Articles, the construction and operation of which I have described in the following specification and illustrated in its accompanying drawings with sufficient
10 clearness to enable competent and skilful workmen in the arts to which it pertains or is most nearly allied to make and use my invention.

My invention consists in dividing the
15 sheets, at a regularly graduated series of distances from the edges which are fastened to the cover, connecting the two parts of each sheet, by means of a strip of cloth or other suitable pliable material, which will
20 act as a hinge, and arranging the sheets according to the amount cut off from the edge next to the back of the cover; those having the most cut off being placed in the center, those having the next greater amount cut
25 off being placed next, and so on to those having the least cut off, which are placed outside, thus preventing the breaking or the pulling out of the leaves or sheets, in opening the book by means of the said joints as
30 I have more fully set forth in the following description.

In the accompanying drawings, Figure 1 is a perspective view, showing the side, edge, and back of the book, after it is bound. Fig.
35 2 is a perspective view, showing the same parts of five sheets, removed from the outside.

They are slipped past each other so that the joints 1, 2, 3, 4, and 5 of the leaves *a*, *b*, *c*,
40 *d*, and *e*, (*a* being the leaf which was outer-

most) and the manner in which the breadth of the strips increases *a*, being less than *b*, which is less than *c*, and so on to *e*, which if there were none greater, would occupy the central place in the book. These five leaves
45 make half of a book such as is represented by Fig. 1. In this latter figure the dots *c*, *c*, *c*, show the joints in the sheets, and the way they are placed in the book. The manner in which they act, is as follows: The
50 book A, Fig. 1, is laid upon the back B, upon the desk or table, and the lids or cover being thrown apart, the sheet *a*, bending at the joint 1, allows the sheet *b*, which bends at the joint 2, (a greater distance from the
55 back B,) to overlap it without perceptibly bending, otherwise than at the joint. The sheet *c*, bends in a like manner over the sheet *b*, and so on to the place at which the book is opened. But if it is opened at either
60 side of the center, the portion which has the greater number of sheets, remains straight, and the other side bends as before described.

Having thus fully and clearly described
65 and illustrated my invention, what I claim as original, and desire to secure by Letters Patent is—

The construction and arrangement of the sheets, with joints, or hinges, at graduated
70 distances from the back of the cover, increasing from the sides toward the middle of the book, so that the inner leaves will fold over those outside of them, without breaking, or coming loose from the cover as
75 herein described.

WM. T. ANDERSON.

Witnesses:

ELIZUR E. CLARKE,
THOS. P. HOW.