

(No Model.)

A. G. WILSON.

PAPER BOX AND LID OF BOXES.

No. 286,360.

Patented Oct. 9, 1883.

Fig. 1.

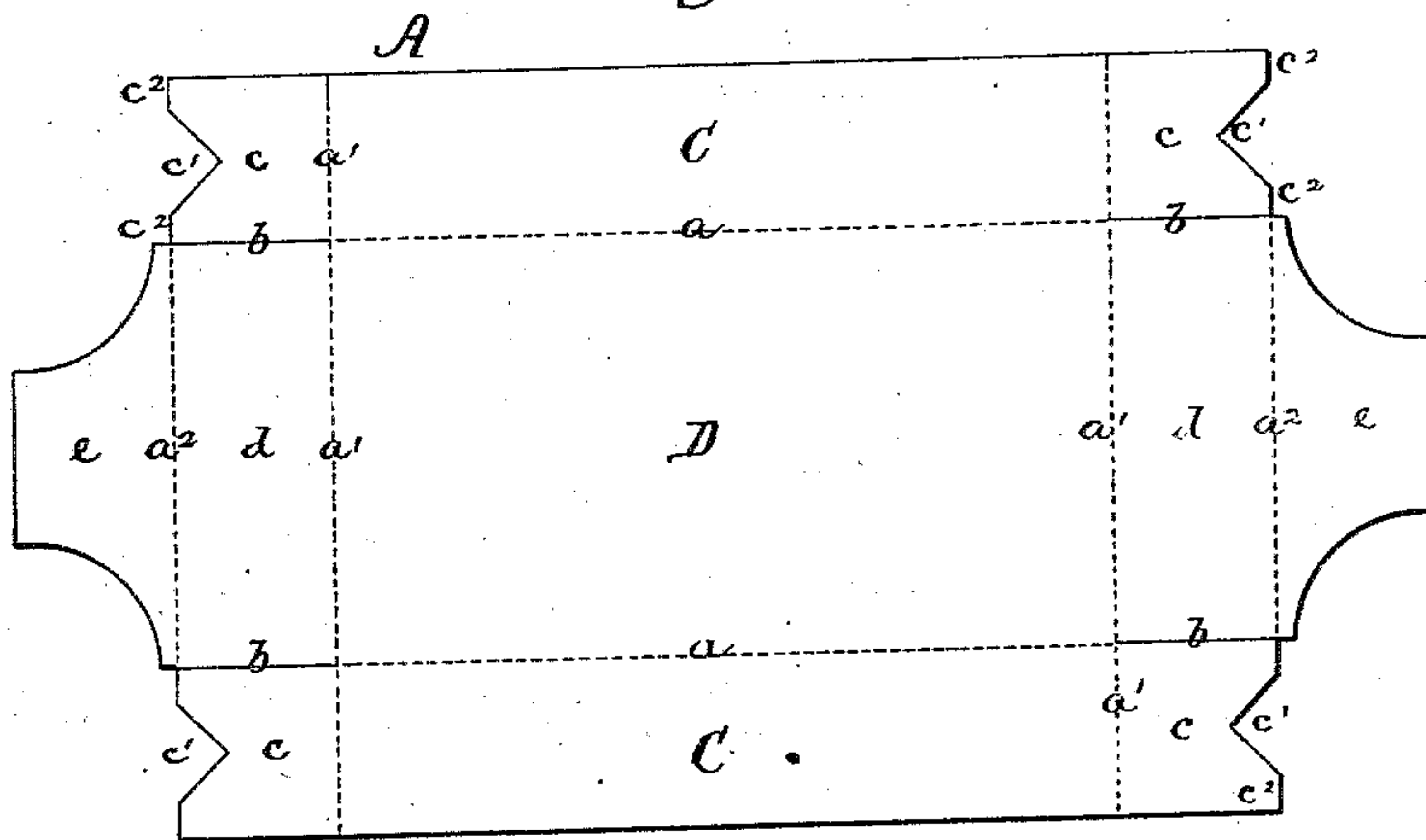


Fig. 2.

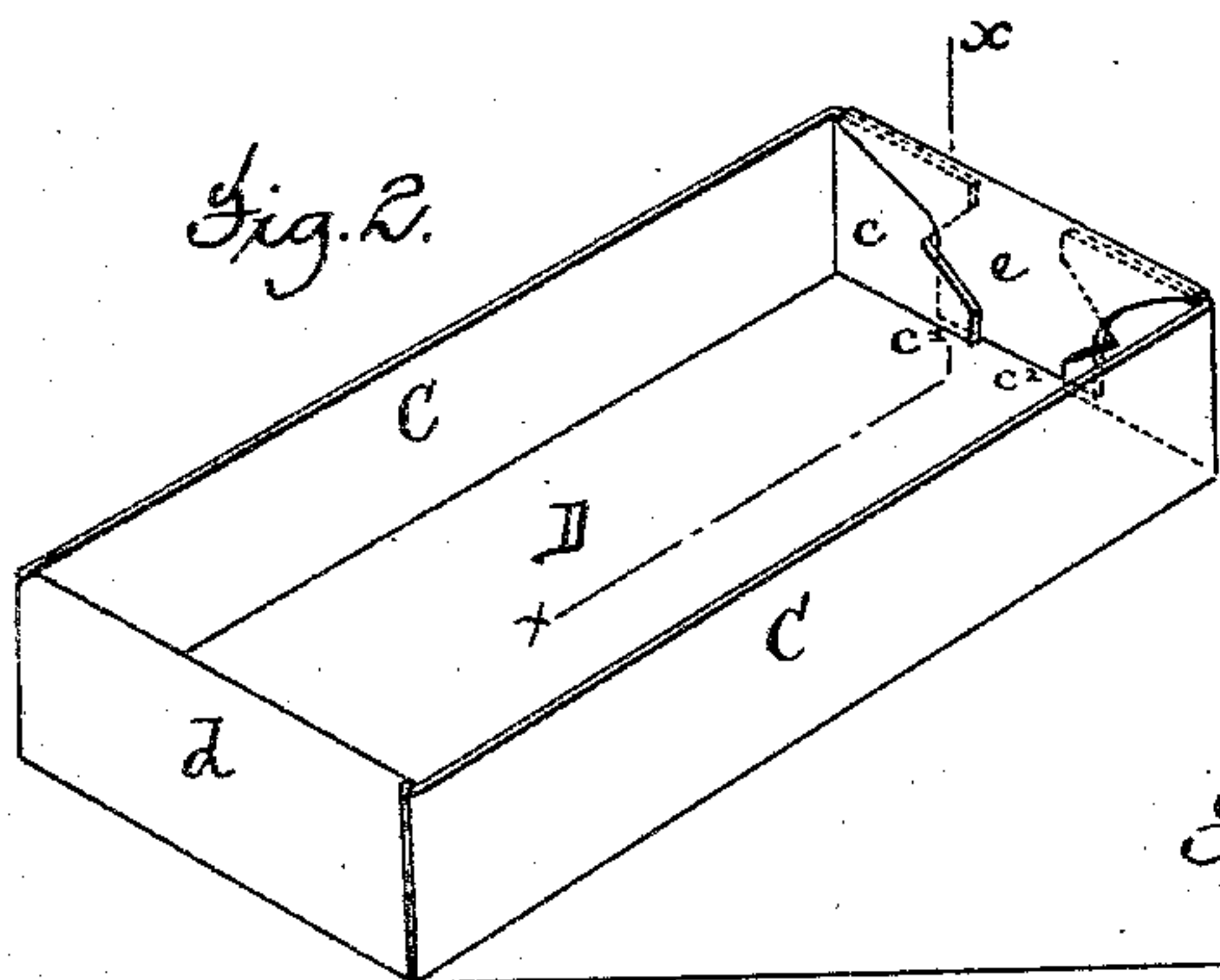


Fig. 3.

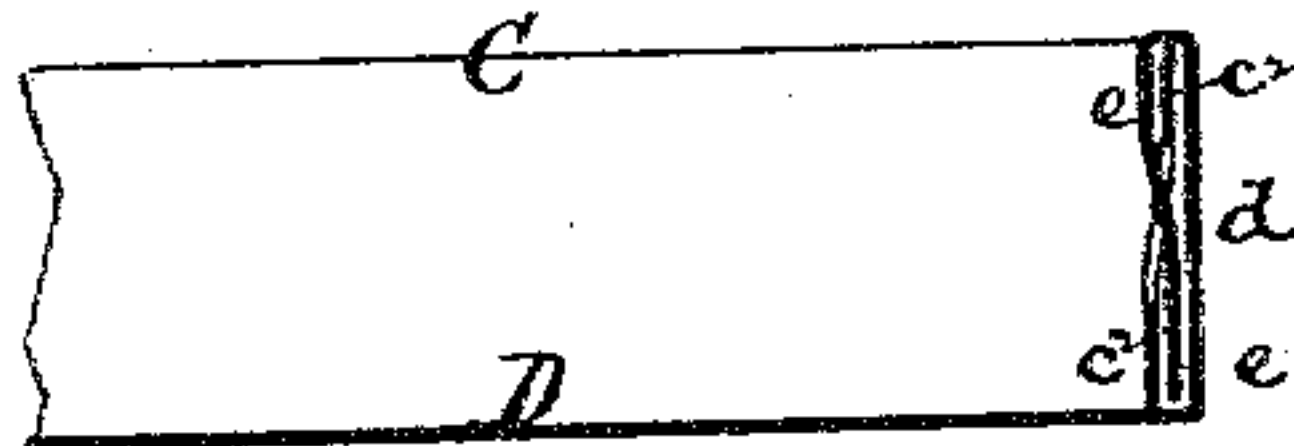
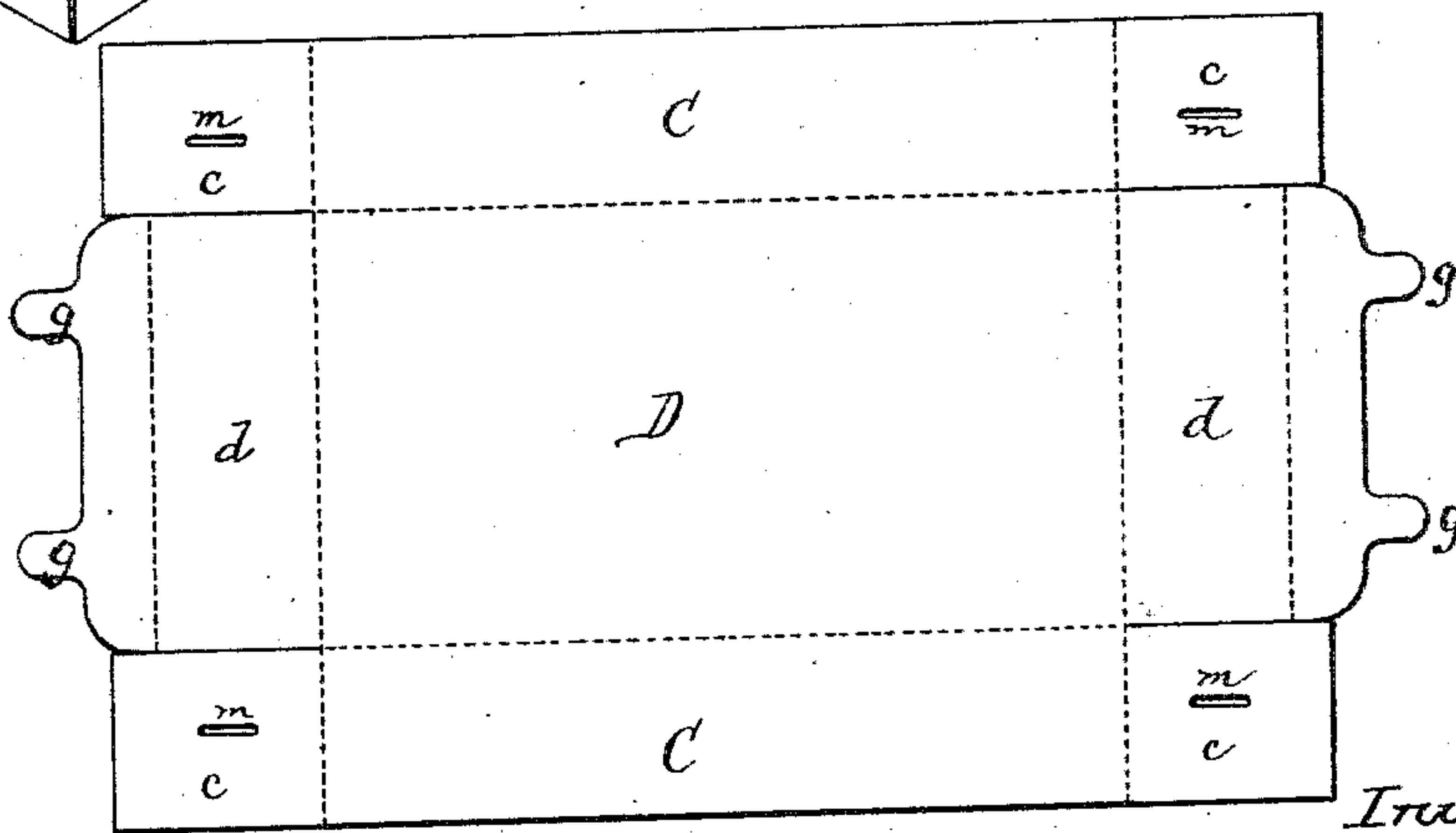


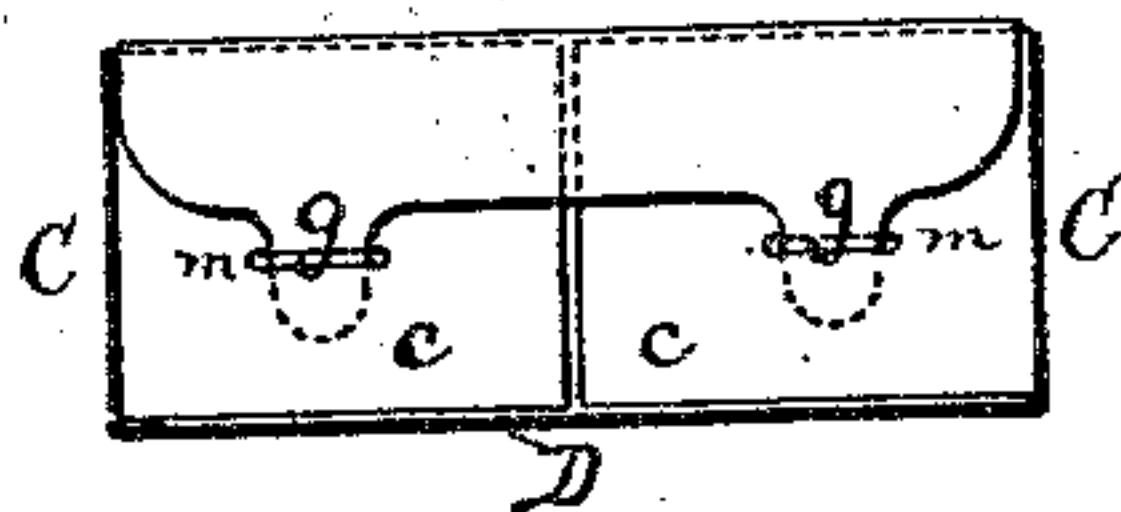
Fig. 5.



Attest;

Geo. H. Graham.
Jacob Felbel.

Fig. 4.



Arthur G. Wilson

Inventor

UNITED STATES PATENT OFFICE.

ARTHUR G. WILSON, OF NEW YORK, N. Y.

PAPER BOX AND LID OF BOXES.

SPECIFICATION forming part of Letters Patent No. 286,360, dated October 2, 1883.

Application filed March 2, 1883. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR GATES WILSON, a subject of the Queen of England, and a resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Paper Boxes and Lids of Boxes, of which the following is a specification.

My invention relates to certain new and useful improvements in paper boxes and lids of boxes, and to that kind in which detached portions integral with the sides are turned in at right angles thereto and the end piece proper laid flat against the outer faces of said turned-in upright portions.

Previous to my invention it has been customary to secure the end of a box of this construction by applying suitable adhesive matter to that side of the end piece which is brought up and laid against the outer faces of the turned-in upright portions to also secure the parts, and at the same time strengthen the structure by providing the end piece with an extension, folding the latter over on the inside of the box or lid, and pasting it to the inner faces of the turned-in portions, and to also secure the parts by adding a tongue to the said turned-over extension and passing it through an incision made at the junction of the bottom and end of the box. This last-referred-to construction will be found described and illustrated in my patent of March 29, 1881.

My present invention has for its objects to avoid gumming, to economize in stock, and to secure the parts composing the box or lid in a manner simple and efficient; and to these ends it consists in notching, slitting, or cutting the turned-in portions; and providing the end piece proper with a tongue or tongues adapted to enter the notches, slits, or cuts and lock or hold the several parts together, as will be hereinafter more fully explained.

In the accompanying drawings, Figure 1 is a plan view of a blank cut and scored or creased, and adapted to be folded up into a box or lid of a box embodying my invention. Fig. 2 is a perspective view of a box formed from a blank such as shown at Fig. 1. Fig. 3 is a vertical longitudinal section of portion of the box shown at Fig. 2 and taken on line *xx* of said

figure. Fig. 4 is a cross-section of a box taken at the end thereof, showing a modification of my invention; and Fig. 5 is a plan view of a blank in condition to be folded up and made into a box having an end like that shown at Fig. 4.

In the several views the same parts will be found designated by the same letters of reference.

The preferred form of blank A, Fig. 1, is creased, scored, or pierced along the dotted lines *a a' a''*, to facilitate holding, as well understood, and is cut or severed along the full lines *b b* until the creasing-line *a'* is met, thus forming detached or loose portions *c c* and *d*, the former having V-shaped notches *c' c'* cut at their extremities, and the latter provided with a tongue or tuck, *e*. Of a box made up from a blank of this form *C C* would be the sides, *D* the bottom, *d d* the end pieces proper, and *c c* the turned-in upright extensions, against which, exteriorly, the end pieces, *d d*, are brought. Now, in order to maintain the parts in the relative positions just described, and thus keep the box in form, I merely insert or pass the tongue or tuck *e* down into the V-shaped notches or cut-outs *c' c'* of the turned-in end portions, *c c*, as clearly shown at Figs. 2 and 3. This mode of fastening I have found, in practice, is cheap and simple, and thoroughly efficient, there being no likelihood of casual separation of the parts.

By reason of the V-shaped cuts or notches two points or lips, *c'*, are formed on each part *c*, and the folded over and down tongue *e* passes in front of the upper set of lips and in rear of the lower set or series, thus positively checking any tendency of the parts to spring open.

Instead of V-shaped notches, notches or cut-aways of other form may be used in conjunction with a tongue to hold the parts together, as described, without departing from the spirit of my invention; and in lieu of notches or cut-outs, slits or incisions *m m*, or any other aperture or opening, may be made in the portions *c c*, and tongues *g g* be passed through such slits, and the parts be thus held together, as seen at Figs. 4 and 5.

My invention may be used at only one end

of a box or lid, the other end being left entirely open, or provided with some different means of securement.

What I claim as new, and desire to secure
5 by Letters Patent, is—

1. A box or a lid of a box having turned-in portions provided with apertures or openings, and an end piece provided with a tongue or tongues folded over the upper edges of the
10 turned-in portions and down into the apertures or openings therein, substantially as and for the purposes set forth.

2. A box or a lid of a box having turned-in portions provided with V-shaped notches, and an end piece provided with a tongue which
15 is folded over the upper edges of these turned-in portions and down into the V-shaped notches therein, substantially as shown and described.

In witness whereof I have hereunto set my hand this 28th day of February, 1883.

ARTHUR G. WILSON.

In presence of—

JACOB FELBEL,

A. JAMES LASKE.