

No. 887,352.

PATENTED MAY 12, 1908.

A. SOMMER.
CARDBOARD BOX OR CARTON.
APPLICATION FILED AUG. 17, 1907.

Fig. 1.

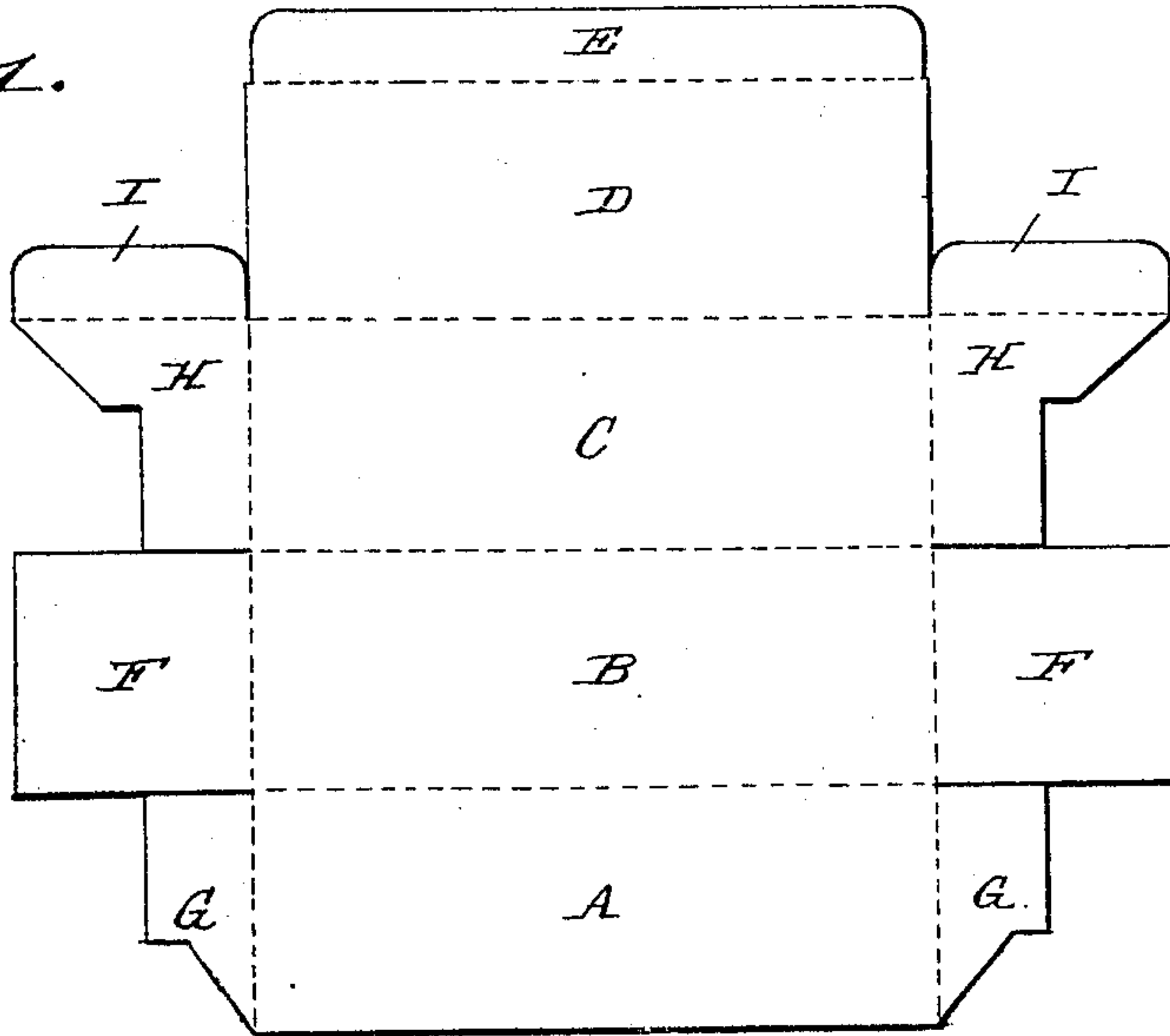


Fig. 2.

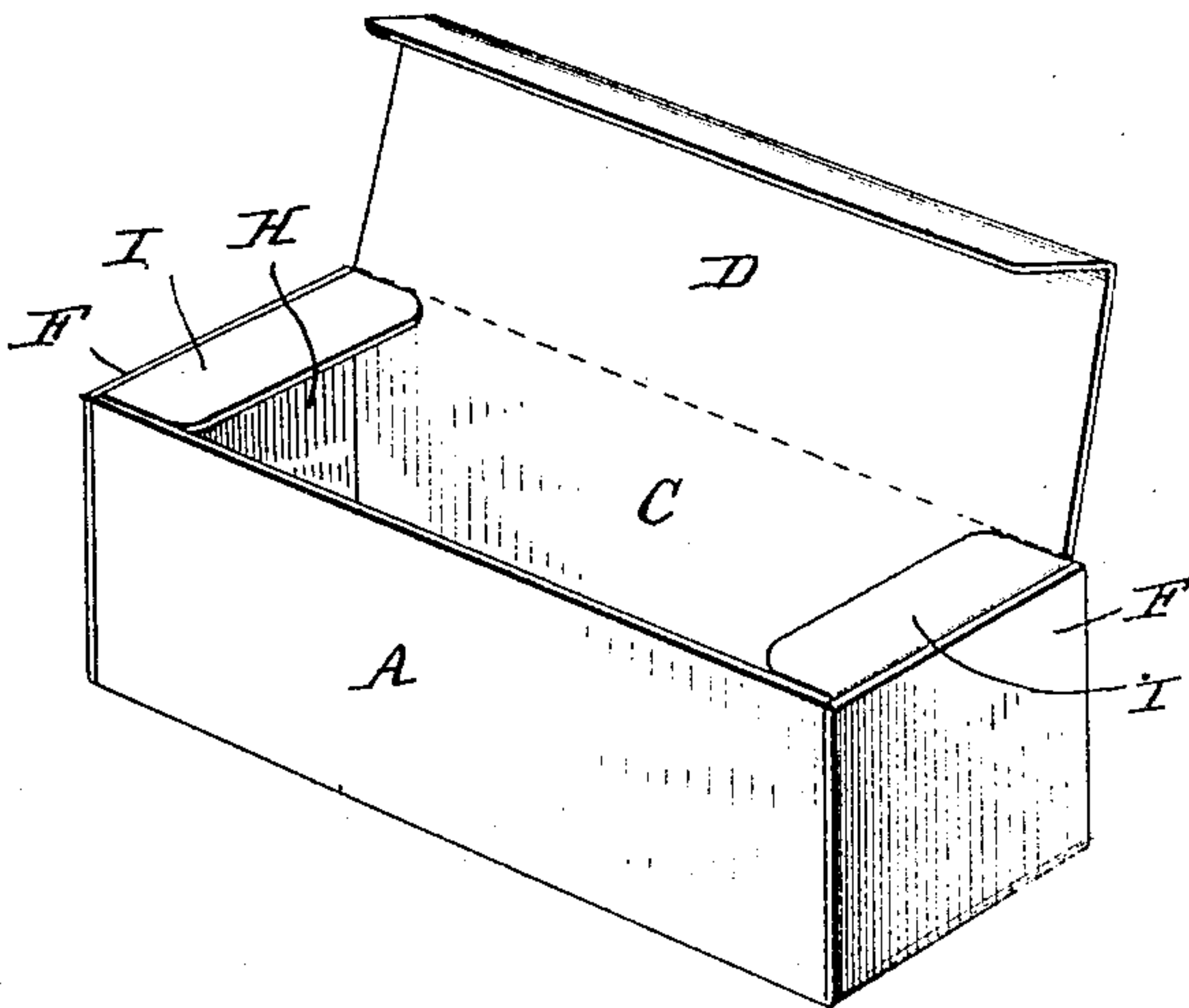
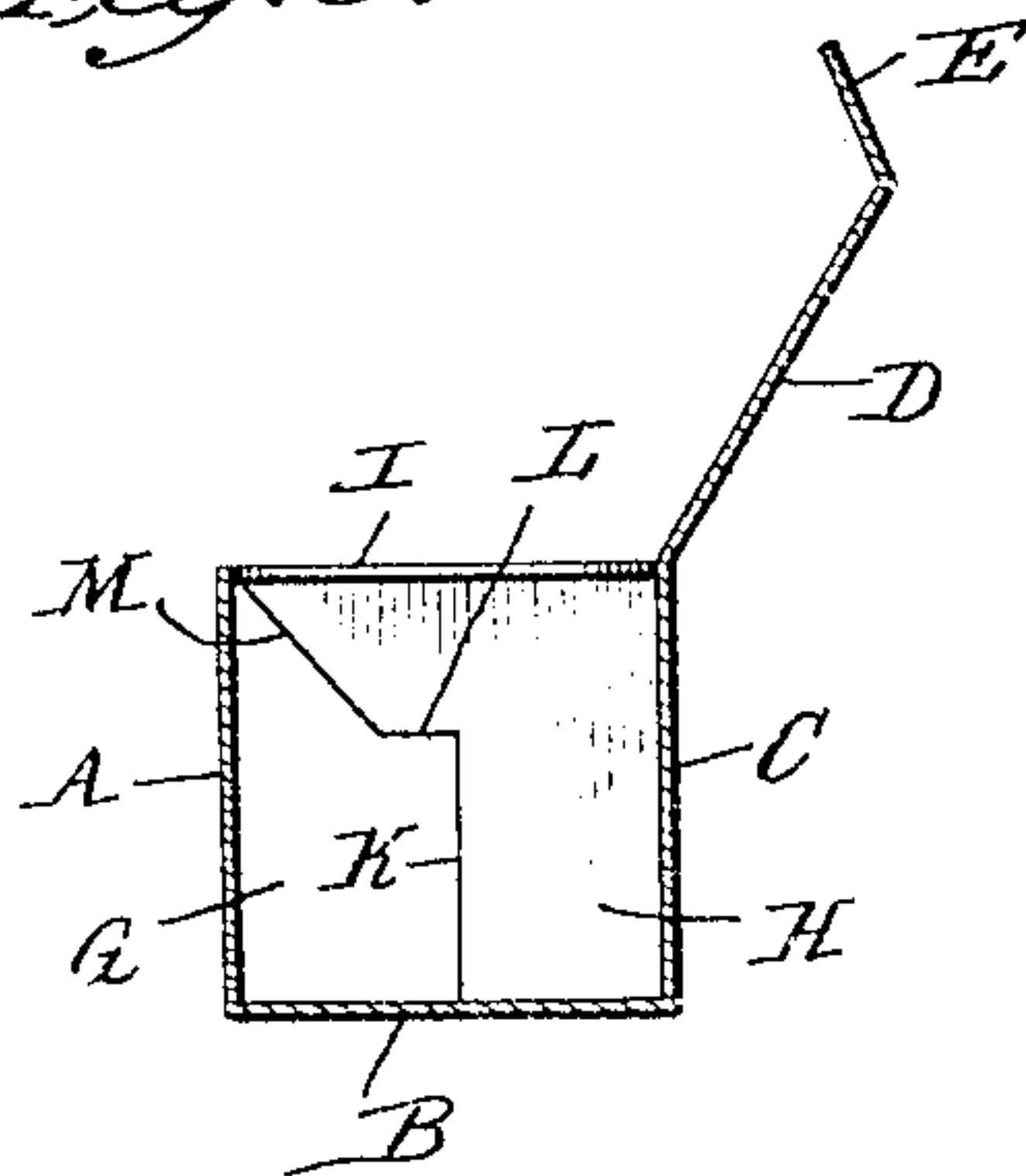


Fig. 3.



Witnesses

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CARDBOARD BOX OR CARTON.

No. 887,352.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ADOLPH SOMMER, of Cambridge, county of Middlesex, State of Massachusetts, have invented a certain new and useful Improvement in Cardboard Boxes or Cartons; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the figures and letters of reference marked thereon.

This invention relates to improvements in paper or card board boxes or cartons adapted to be cut with the several walls and flaps in a single blank which is subsequently folded on previously delineated lines and held in final form by glue or adhesive applied to the overlapping faces of certain of the flaps and walls.

The objects of the invention are to economize stock and at the same time produce a box having relatively great rigidity for resisting crushing or deformation in shipping or handling, the latter result being primarily secured by end flaps lying in the same plane and having abutting edges extending past or interlocking with each other.

Other objects of the invention will hereinafter appear.

In the accompanying drawings: Figure 1 is a plan of a blank from which the box or carton is formed. Fig. 2 is a perspective view of the box with the cover or closing flap raised. Fig. 3 is a section showing the inner face of one end in elevation.

Like letters of reference in the several figures indicate the same parts.

Referring particularly to Fig. 1 it will be seen that the blank is formed with a front wall A; bottom B; rear wall C; cover or closing flap D and a tuck flap E, all joined at their long or longitudinal edges, but with the folding lines between them delineated by straight scores or indentations preferably on the outer face of the blank.

Extending from the ends of the bottom B are end walls F of proper shape to form the outer faces of the ends of the box.

End flaps G, G, and H, H, extend from the ends of the front A and back C, the end flaps G and H at each end being adapted to lie in the same plane and flat against the inner face of the end F to which they are secured in the completed box by glue or adhesive. Said

end flaps G and H are adapted to abut at the edges and one of them, preferably the flap H extends the full width of the box at the top and is provided with a fold or tuck flap I adapted to turn in under the cover D when the latter is closed.

In the preferred construction, the lower portions of the meeting edges of the flaps G and H extend vertically or at right angles to the bottom as at K, in Fig. 3, said meeting edges then extending horizontally for a short distance as at L and thence extending diagonally as at M to the upper forward corner of the box. This construction not only insures the meeting of the edges of the flaps G and H in the same plane so as to abut and afford mutual support in stiffening the ends of the box, but there is no straight line of weakness between the said flaps along which the end can collapse as would be the case if the meeting edges of the flaps were straight. Of equally great importance is the fact that a single tuck or folding flap I continuous from front to back of the box is provided without requiring a multiplicity of thicknesses at the ends of the box as is the case where the end flaps overlap each other instead of having abutting edges as in the present invention.

The flaps G and H lie in the same plane and have portions which extend beyond each other horizontally or from front to rear of the box, with the proximate edges in contact.

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

1. As an improved article of manufacture a cardboard box formed of a single integral blank having the front, bottom, back, top and tuck flap united on folding lines along their longitudinal edges, extensions at the ends of the bottom to form exterior end walls, and end flaps forming extensions of the ends of the front and rear walls, each of said flaps filling a portion only of the end opening, said flaps adapted to lie in the same plane, and having irregular abutting edges, one of said flaps extending from the rear to the front of the box at the top.

2. As an improved article of manufacture, a card board box formed of a single integral blank having the front, bottom, back, top and tuck flap united on folding lines along their longitudinal edges, extensions at the ends of the bottom to form exterior end walls, and end flaps forming extensions of

the ends of the front and rear walls each of said flaps filling a portion only of the end opening, said end flaps being adapted to lie in the same plane and having their meeting edges abutted, one of said flaps extending from the rear to the front of the box at the top and a folding flap formed integral with its upper edge to underlie the top of the box; substantially as described.

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Witnesses:

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