

944,381.

Patented Dec. 28, 1909.

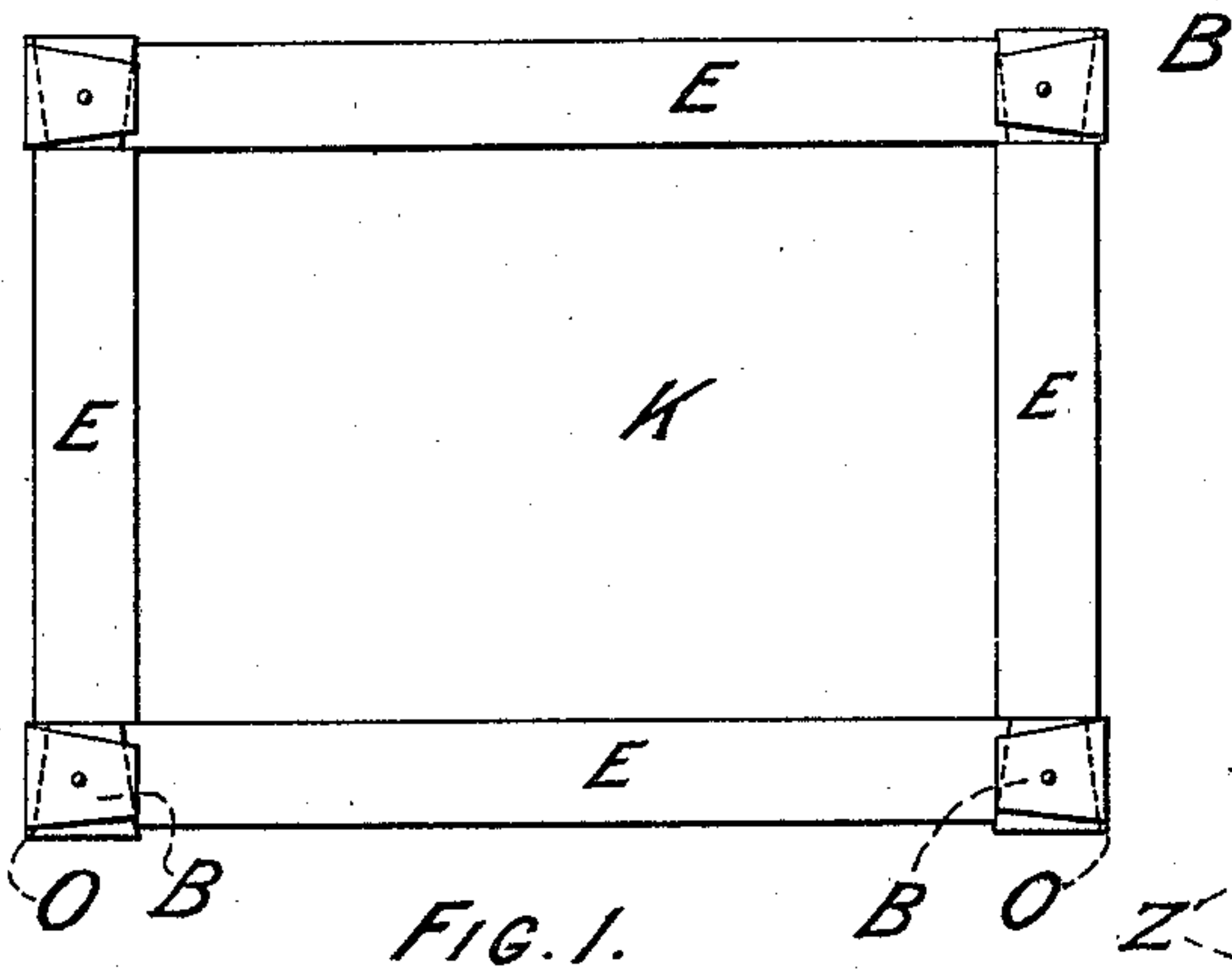


FIG. 1.

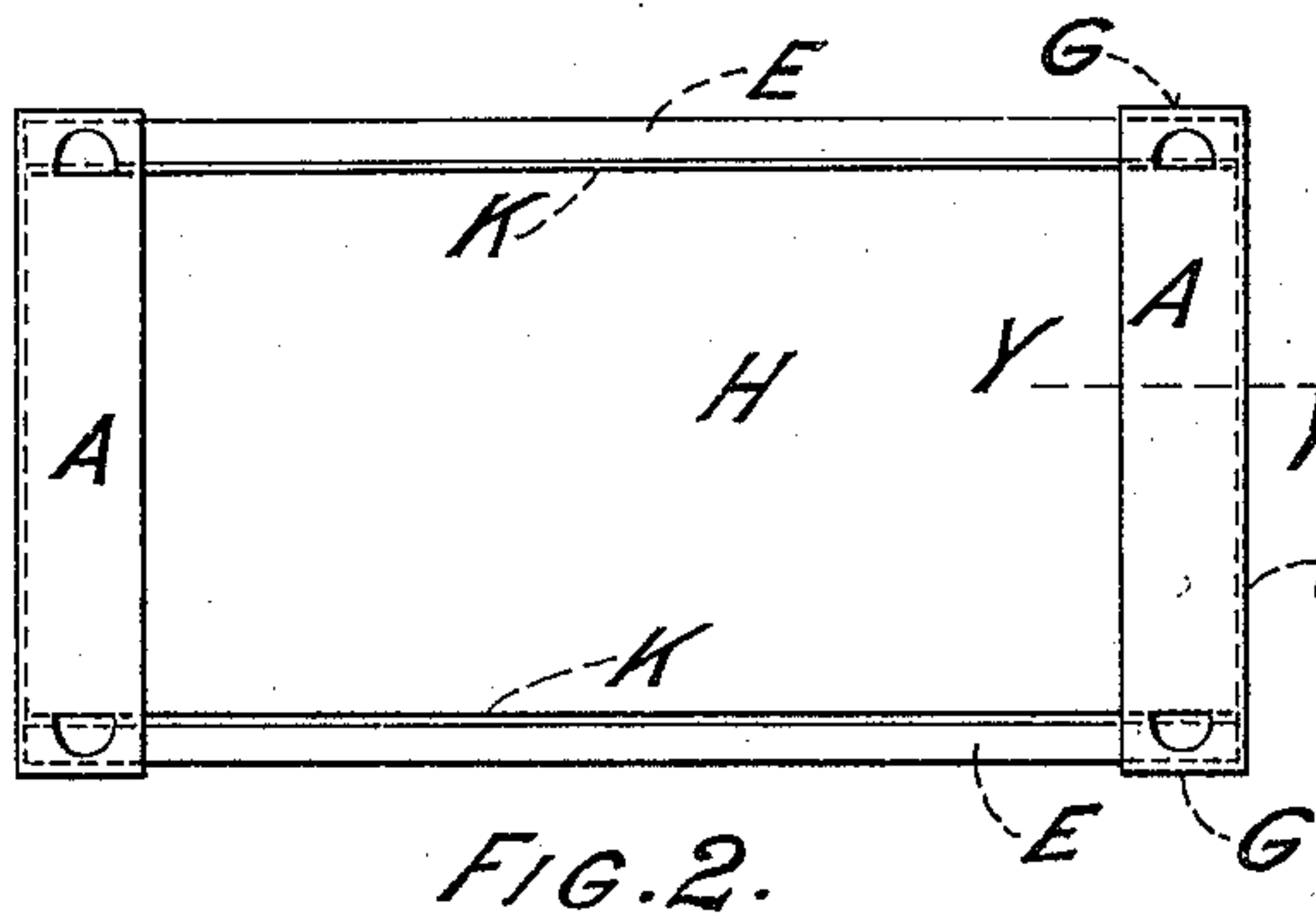


FIG. 2.

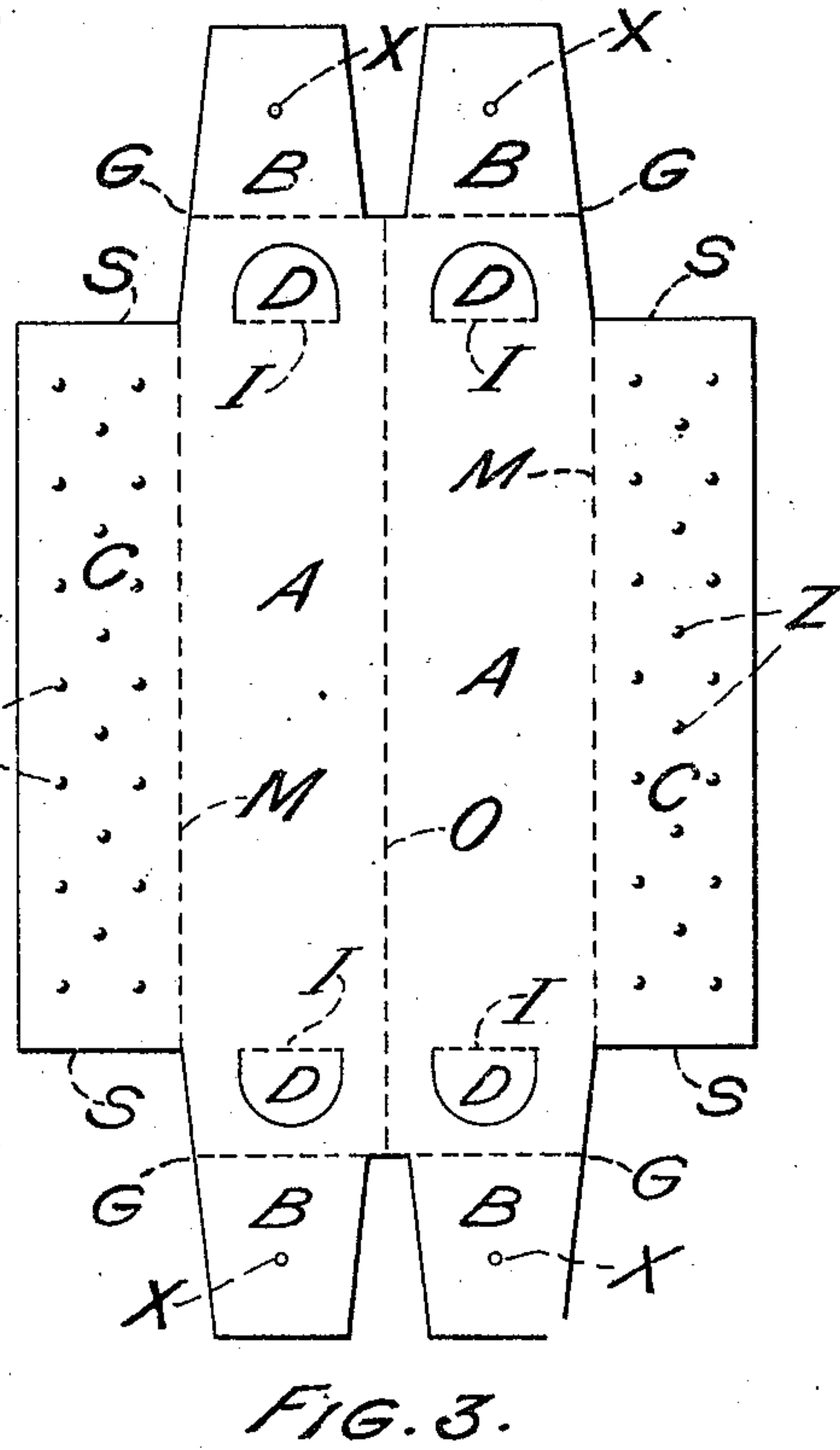


FIG. 3.

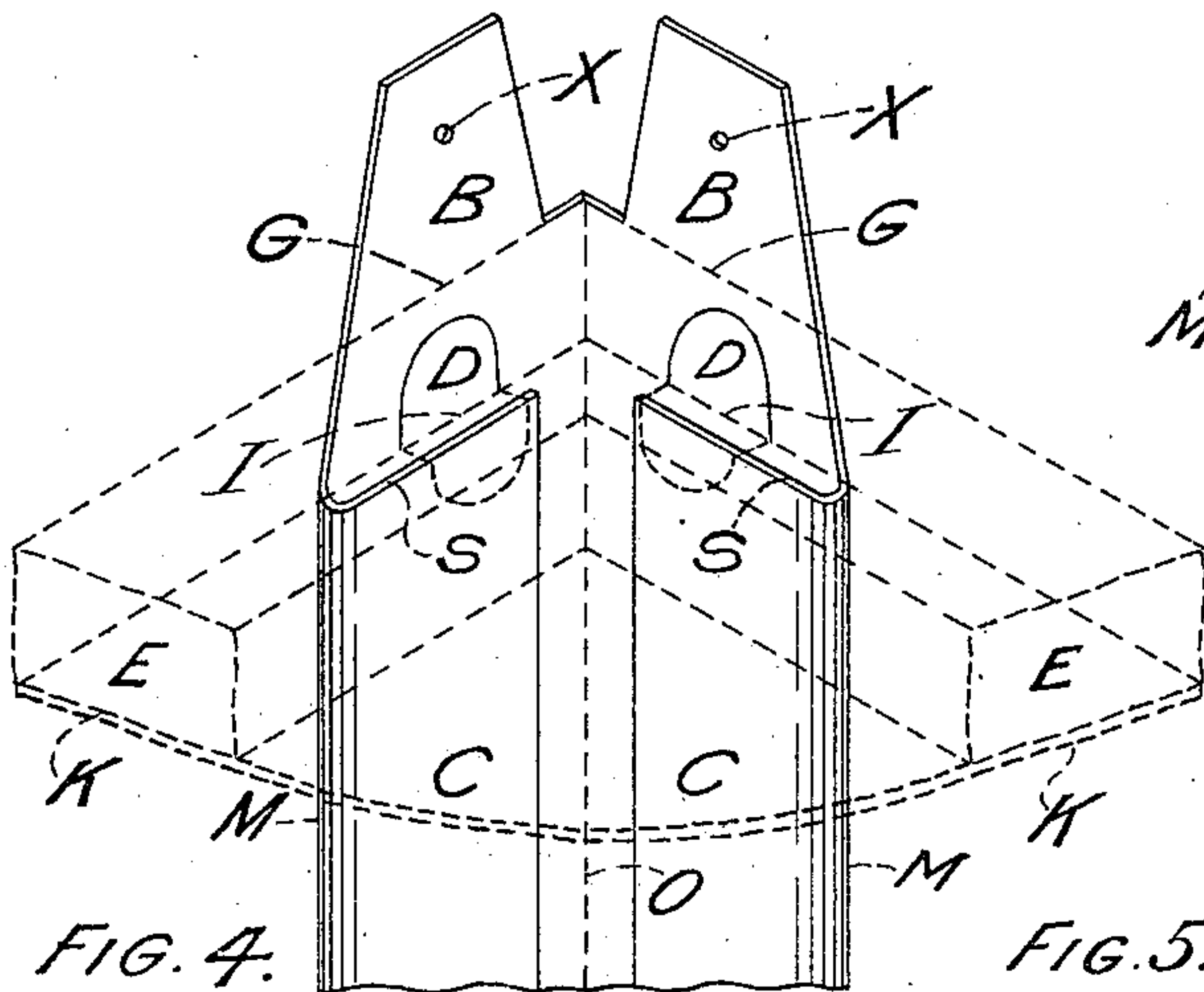


FIG. 4.

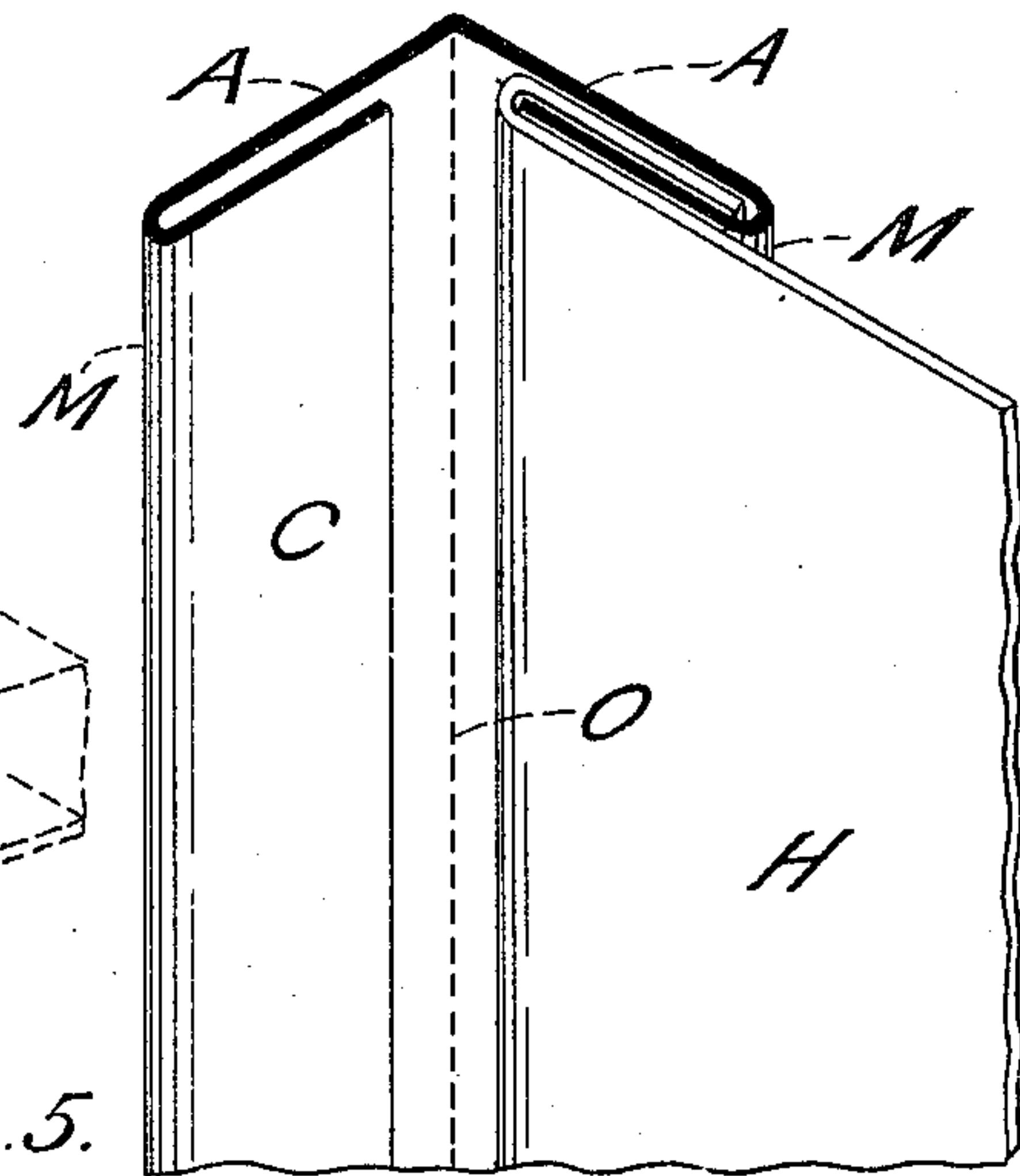


FIG. 5.

Witnesses.

Charles Valiquet
J. M. May

Inventor:
Rodrigue J. Robillard
per
W. T. Coffey
Attorney.

UNITED STATES PATENT OFFICE.

RODRIGUE JOSEPH ROBILLARD, OF OTTAWA, ONTARIO, CANADA.

CORNER-STAY FOR BOXES.

944,381.

Specification of Letters Patent.

Patented Dec. 28, 1909.

Application filed April 12, 1909. Serial No. 489,519.

To all whom it may concern:

Be it known that I, RODRIGUE JOSEPH ROBILLARD, a subject of the King of Great Britain, residing in the city of Ottawa, in the county of Carleton, Province of Ontario, Dominion of Canada, have invented certain new and useful Improvements in Corner-Stays for Boxes, of which the following is a specification.

The invention relates to improvements in corner stays for boxes and the like as described in the present specification and illustrated in the accompanying drawings that form part of the same.

The invention consists of a corner device of sheet metal or other suitable material and the object is to provide a device of this class that will rigidly support and bind the ends, sides, bottoms, and tops of boxes against displacement, that may be easily applied and economical to manufacture.

In the drawings: Figure 1 is a plan view of a box showing my corner-stay. Fig. 2 is a side elevation of Fig. 1. Fig. 3 is an enlarged view of my device. Fig. 4, is an isometrical view. Fig. 5, is an enlarged horizontal section at $y-y$ of Fig. 2.

Referring to the drawings in which like letters of reference indicate similar parts in each figure; A—A is a piece of metal having the side flanges C—C, and the flanges B—B at each end. The flanges C—C are provided with indentations or burs Z.

D—D are pieces or flaps stamped out of the flanges B—B of the metal A—A.

E is a frame, preferably of wood, although any suitable material may be used, adapted to fit between the four corner stays as shown.

The metal A—A is bent along the line O to form a right angle, having the sides A—A. The side flanges C—C are then folded or bent over the sides A—A, along the lines M—M, in such manner as to leave sufficient space between the flanges C—C and said sides A—A to allow for the insertion of a sheet of suitable material, H forming the side of the box. The material

is bent upon itself to fit into the space between the bent or folded flanges C—C and the sides A—A and is securely held there by being pressed against the indentations or burs Z in said flanges. The stamped out pieces or flaps D—D are bent inwardly and downwardly, along the line I—I, to embrace the folded flanges C—C on the sides A—A, at the points $s. s.$ forming therewith the corner supports for the top and bottom of the box respectively. The frame E is then placed between the four corner stays and over the top and bottom of the box, and fixedly secured in this position by the flanges B—B bent over it along the line G—G and more securely fastened thereto by suitable fasteners through the holes X in said flanges. It must however be understood that neither the holes nor any fasteners are a necessity of my invention.

In manufacturing this box any suitable material may be used and my "corner stay" will be found equally adaptable and satisfactory—preferably I use sulfid pulp sheets as being readily handled, light and economical—the box being collapsible takes up very little room in transit with a proportionately large saving in the cost of freight.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle, or sacrificing any of the advantages of this invention.

What I claim for my invention is:—

A corner stay for boxes, having folded side flanges, and provided with extended end flanges having therein flaps adapted to bend inwardly and downwardly over said folded side flanges to secure the sides and ends of the box, and to form in combination with said folded side flanges supports for the top and bottom of the box, all substantially as described.

RODRIGUE JOSEPH ROBILLARD.

Witnesses:

ELZEAR VALIQUET,

J. M. BRAY.