

(Model.)

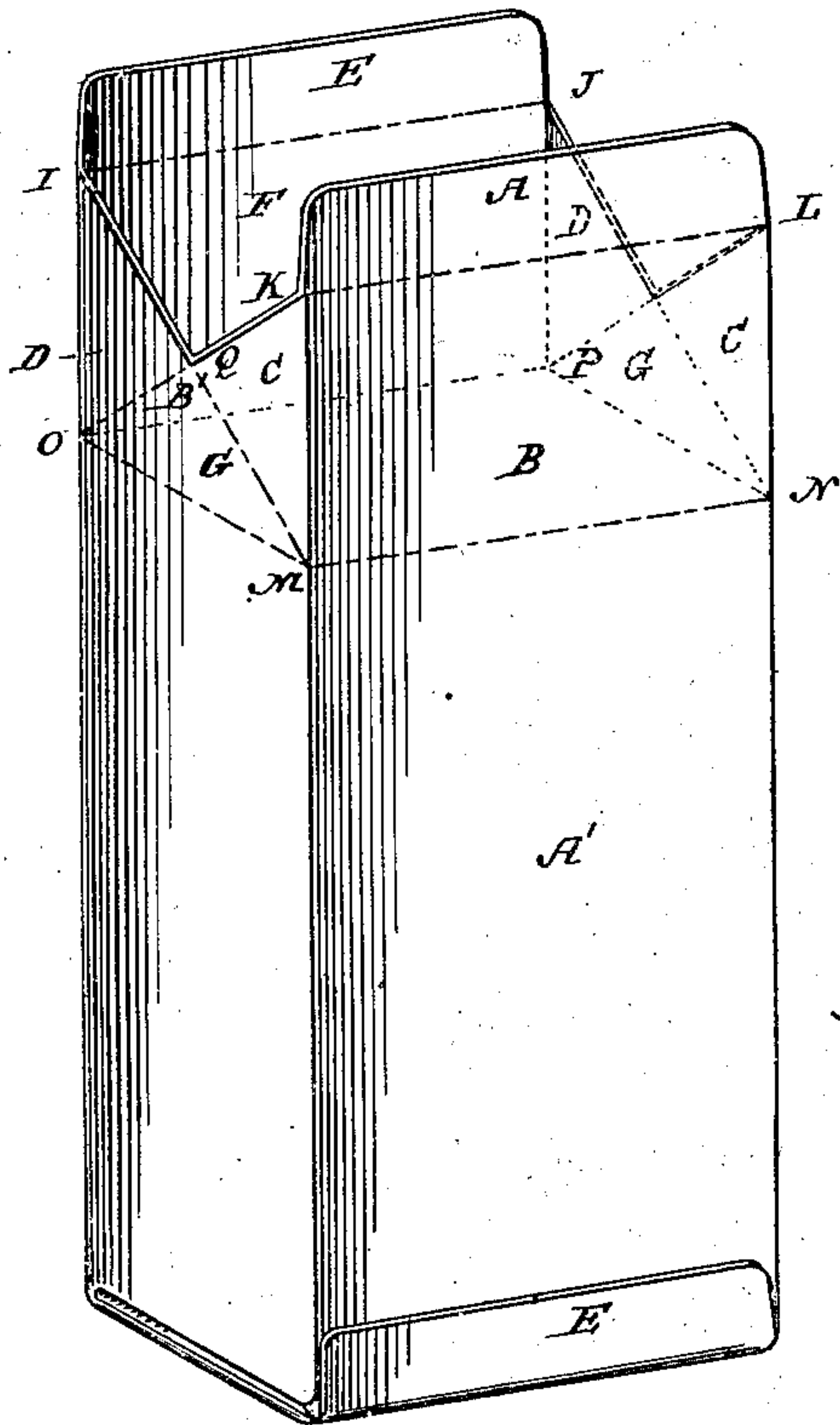
R. W. BETTS.

PAPER BOX.

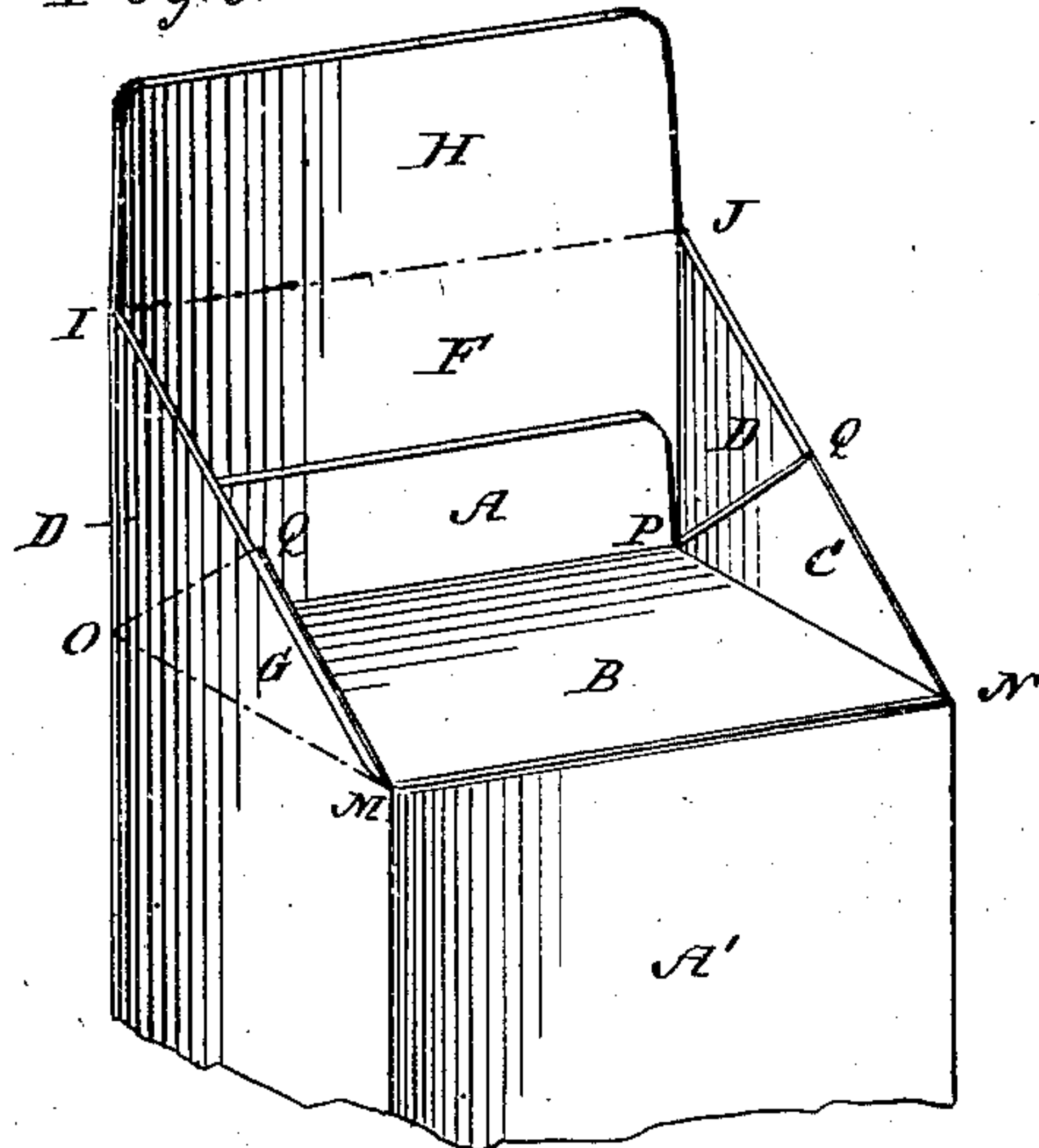
No. 327,224.

Patented Sept. 29, 1885.

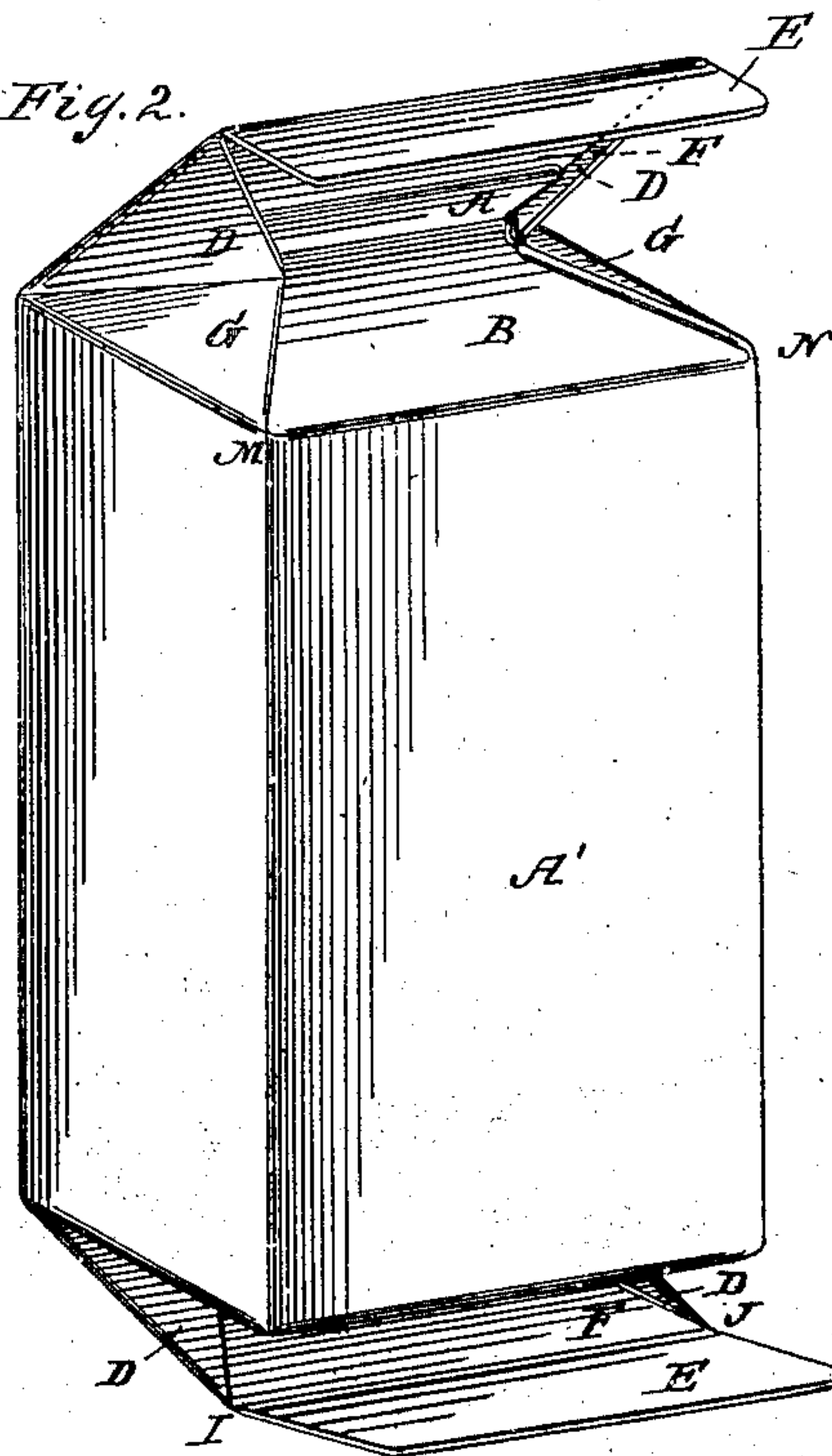
*Fig. 1.*



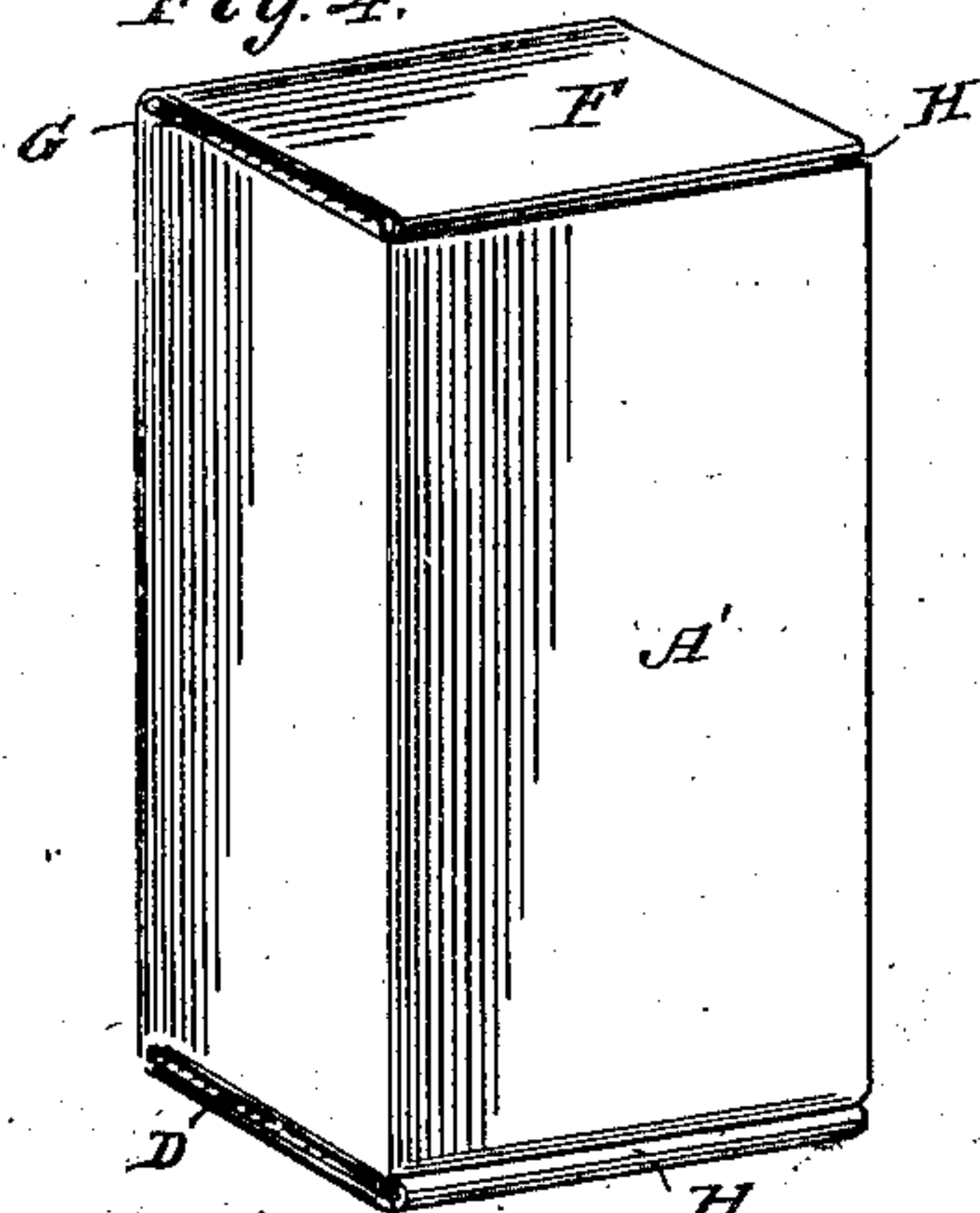
*Fig. 3.*



*Fig. 2.*



*Fig. 4.*



WITNESSES:

Edward Wolff  
George Cook

INVENTOR

Robert W. Betts,  
BY Rowland Cox  
his ATTORNEY



# UNITED STATES PATENT OFFICE.

ROBERT W. BETTS, OF MONTCLAIR, NEW JERSEY, ASSIGNOR TO SAMUEL CRUMP, OF SAME PLACE.

## PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 327,224, dated September 29, 1885.

Application filed August 26, 1885. (Model.)

*To all whom it may concern:*

Be it known that I, ROBERT W. BETTS, a citizen of the United States, and a resident of Montclair, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Paper Boxes, of which the following is a specification.

My invention relates to an improvement in boxes, the object of the same being to so construct a box that the ends thereof may be easily and readily folded, and at the same time effectually prevent the escape or sifting out of the contents thereof.

With this end in view my invention consists in certain novel features of construction, as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved box, one end thereof being shown entirely open and the other end closed. Fig. 2 is a similar view thereof, showing the ends partially closed; and Figs. 3 and 4 are modifications.

Referring to the drawings, A' represents the body of the box, which in this instance is rectangular in outline, being sealed at its vertical sides, leaving the ends open for the insertion or withdrawal for whatever it may be desired to pack or ship in the box. Upon opposite sides of the box are formed the flaps B F, respectively, each of which is folded on the lines M N and O P, respectively, and the other two sides of the box are cut to form flaps or curbs B', which are folded on the lines O Q and P Q, M Q and N Q, thereby forming three flaps, (lettered D G C,) the top of the curb or flap being at the apex Q of the flap G. The flaps B F are extended, forming the lips A E, as clearly shown in Fig. 1 of the drawings. The ends of the box may be folded, according to my invention, by first folding inward the flap B, the fold being on the lines M N, M Q, N Q, M K, and N L, said flap when thus folded lying flat upon the contents of the box, and the extended portion or lip A resting against the flap F, said lip being folded on the line K L. After the flap B has been folded, as described, the flaps or curbs B' are folded inward on the lines O Q

and P Q, M O and N P, as shown, which has the effect of drawing the flap F downward toward the end of the box, whereupon the extended portion or lip E is turned down upon the side of the box A', and the whole pressed compactly together, so as to form a firm solid end, as indicated in Fig. 1.

Previous to folding the box, as above described, glue or other desired adhesive substance is applied to the inner sides of the flaps F and the lips A E, and also upon the inner sides of the curbs B', whereby the several parts, after the box has been folded, will be permanently held in their proper relative positions. Instead, however, of using any adhesive substance, I may lengthen the lip H, as shown in Fig. 3 of the drawings, and after the ends of the box have been folded, as above described, this lip may be tucked under the flaps C, instead of being turned down against the body A', whereby it will be securely held, as shown in Fig. 4 of the drawings. Again, I may omit the lip E, in which case the flap F will be simply turned down upon the flap B, as heretofore described, and secured thereto by means of the adhesive substance applied to the surface thereof. When the flaps of the box are open, the sides thereof may be collapsed or flattened out for shipment, and when the box is filled and the flaps folded to close the same all danger of the material sifting through it is entirely overcome, and when the boxes are constructed as shown in Figs. 3 and 4 either end thereof may be opened and closed at will.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A box formed on its opposite sides with flaps B F, lip A, and curbs B', the flaps B F being bent to fold on the lines M N and O P, respectively, and the curbs on the lines O Q, M Q, and M O and P Q, N Q, and N P, the whole being arranged to close substantially in the manner and for the purpose set forth.

2. A box formed on its opposite sides with the flaps B F and curbs B', the flaps B F being bent to fold on the lines M N and O P, and the curbs on the lines O Q, M Q, and M O

and P Q, N Q, and N P, said flaps being formed  
on their ends with lips A E. which are bent  
to fold on the lines I J and K L, whereby the  
lip A will rest against the flap F and the lat-  
5 ter rest on the upper face of the flap B, the  
curbs being bent inwardly between said flaps  
B and F, substantially as and the purpose de-  
scribed.

Signed at Montclair, in the county of Essex  
and State of New Jersey, this 13th day of 10  
August, A. D. 1885.

ROBERT W. BETTS.

Witnesses:

J. OGDEN CLARK,  
HARRY W. DOREMUS.