

(No Model.)

E. A. GALBRAITH.  
BOTTLE CASE.

No. 362,375.

Patented May 3, 1887.

Fig. 1.

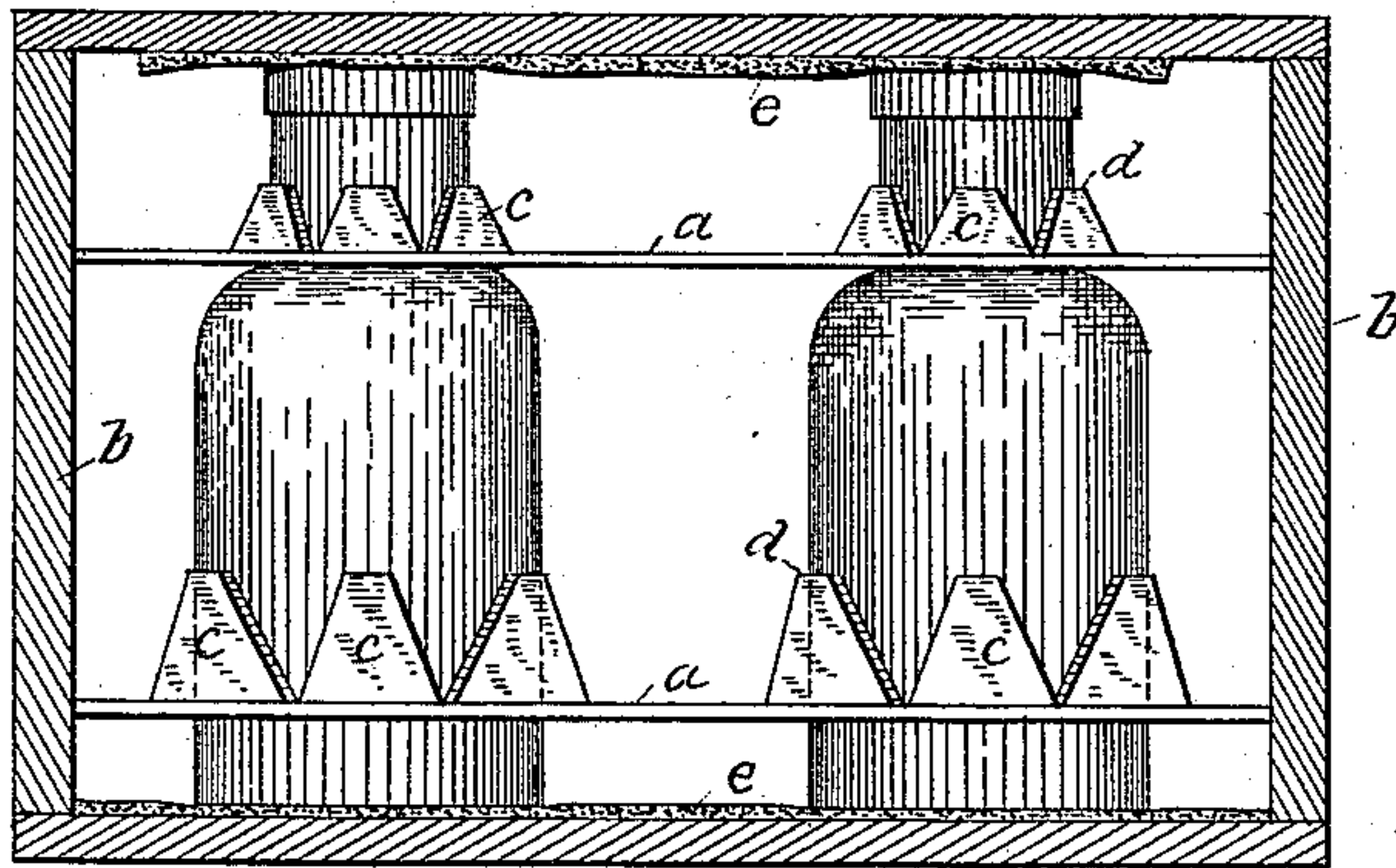


Fig. 2.

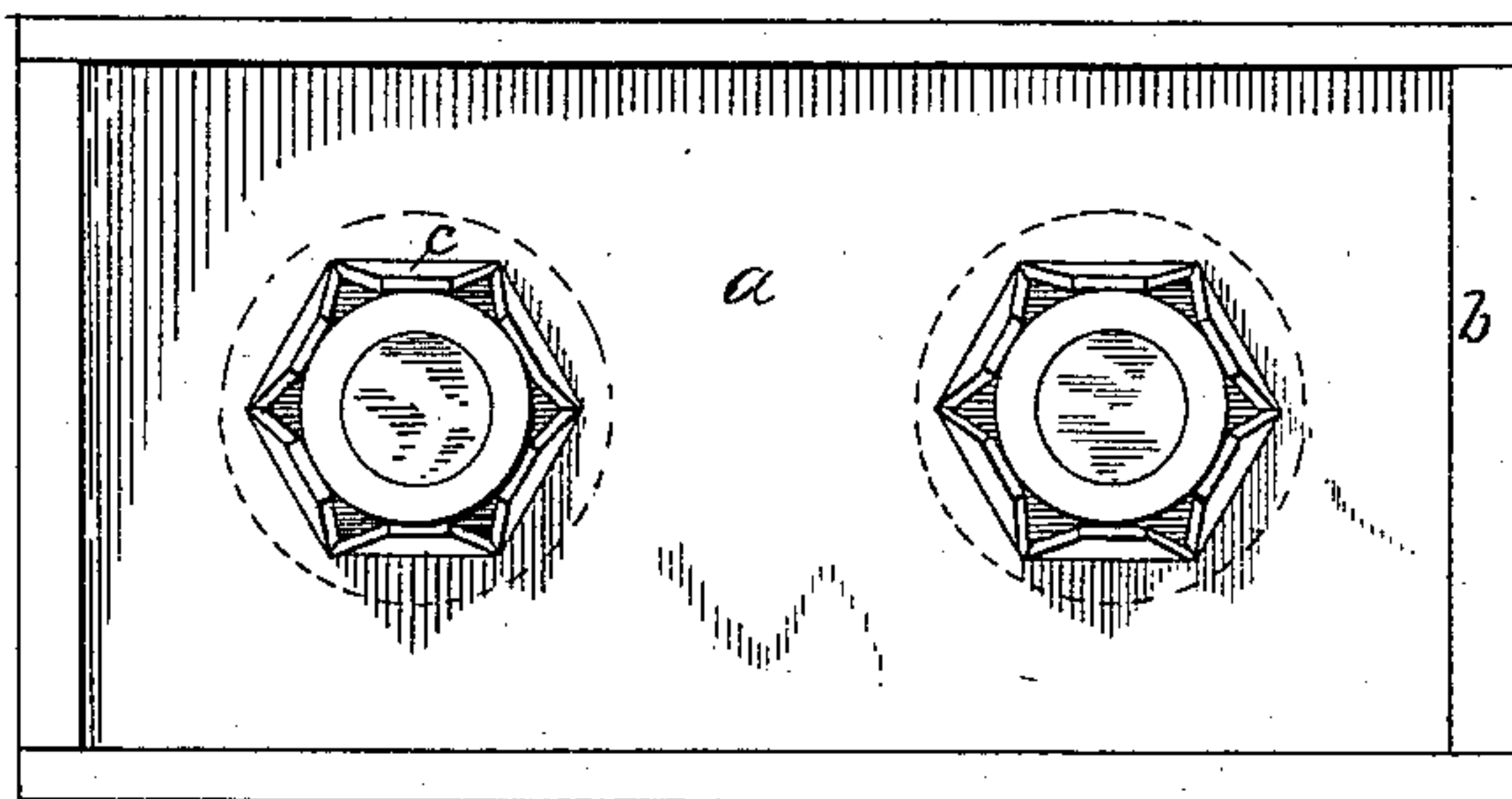
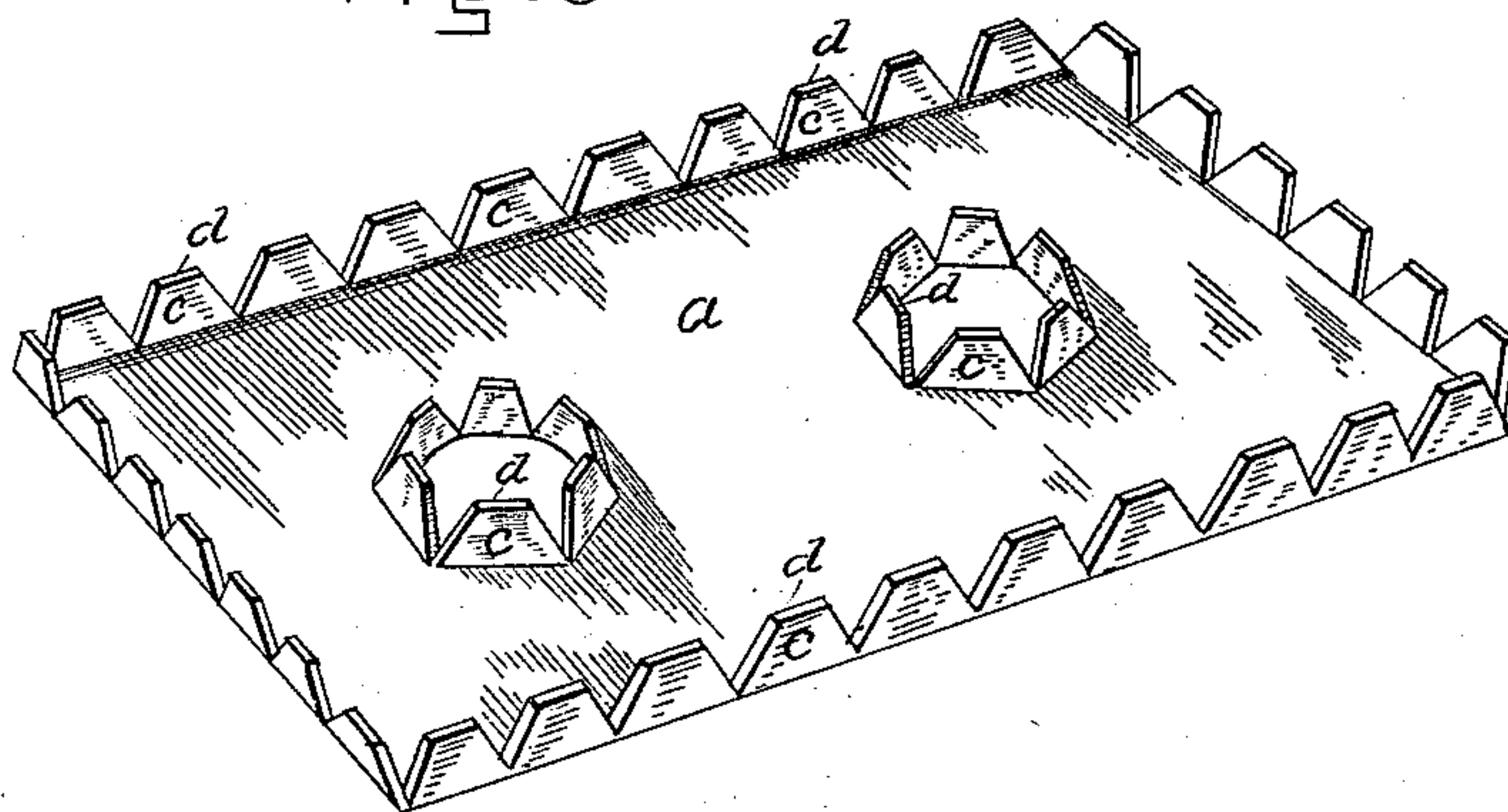


Fig. 3.



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# UNITED STATES PATENT OFFICE.

EDWARD A. GALBRAITH, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO HENRY W. BRAGG, OF SAME PLACE.

## BOTTLE-CASE.

SPECIFICATION forming part of Letters Patent No. 362,375, dated May 3, 1887.

Application filed August 20, 1886. Serial No. 211,361. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD A. GALBRAITH, of Boston, in the county of Suffolk and State of Massachusetts, have invented  
5 certain new and useful Improvements in Devices for Packing Bottles and Similar Vessels, of which the following is a specification.

My invention relates to means for packing bottles and similar vessels for storage or transportation.  
10

It is the object of my invention to provide means for articles and the purposes aforesaid which shall be simple in construction, easy and cheap of manufacture, and which shall  
15 afford thorough protection against the breakage of bottles or similar vessels from jars or concussive blows given to the box or case in which they may be packed.

To the foregoing ends my invention consists  
20 in the improvements which I will now proceed to describe, so that others may make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming a part of this  
25 specification, and the invention being particularly pointed out and distinctly claimed at the end of the description of its construction and operation.

Of the drawings, Figure 1 represents the  
30 invention in side elevation, the packing box or case and the cushioning devices at the top and bottom being shown in section. Fig. 2 represents a top plan view of the same, the top of the packing box or case and the cushioning means on the tops of the bottles being  
35 removed. Fig. 3 is a perspective view of the upper sheet, *a*.

Similar letters of reference indicate similar parts in all the figures.

40 In carrying out my invention I provide sheets of pasteboard or similar material, *a*, of a size adapting them to fit quite closely in the box or packing-case *b* when arranged horizontally therein, as shown. For each case or tier  
45 of bottles to be packed in the case I provide two such sheets *a*, stamping out in one a number of V-shaped tongues, *c*, converging at a common point, of such length or size as will admit of the body of the bottle being passed  
50 through the sheet *a* at such point, with the tongues *c* bearing against the sides thereof, a

series of tongues being struck up at as many points as the size of the sheet will admit for the purposes stated, or for as many bottles as it is desired or possible to accommodate. A  
55 sheet thus constructed is placed in the box or case around the bodies of the bottles, near the bottoms thereof, and a similar sheet is constructed in a similar manner and placed around the necks of the bottles toward their tops, the  
60 tongues *c* being bent to bear against the sides of the body or neck of the bottle with a yielding pressure to hold the same in position, all as is clearly represented in the drawings. If  
65 desired, the tips of the tongues may be cut off, as represented at *d*.

Cushioning devices—such as a sheet of pasteboard bulged upward in the center and having its edges resting against the sides of the box or case, or corrugated pasteboard, cotton-bat-  
70 ting, shavings, hay, or the like—may be placed in the box at the top and bottom of the same, as shown at *e*, to cushion the bottles at their ends.

In addition to forming the apertures in the  
75 sheets or diaphragms *a* for the reception of the body and neck of the bottles with tongue-like projections *c* about their margins, as explained, I notch or serrate the edges of the sheets, as shown in Fig. 3, and thus increase  
80 their properties for taking up jars given to the sides of the packing-box. In some instances I prefer to dispense with the tongue-like projections *c* around the margins of the apertures in the sheets or diaphragms, as the  
85 serrated edges bent and arranged to bear on the sides of the box, as shown and explained, are sufficient to protect the bottles from breakage.

By the means described a very effective  
90 packing device is provided for even the frailest bottles, the tongues *c* of the sheets *a* affording a soft cushion that will take up any jars or concussive blows that may be given to the side of the box or casing, to prevent the  
95 breakage of the bottles, and the cushioning means provided at the top and bottom of the box or case being efficient for the same purpose.

Having thus described my invention, what I  
100 do claim is—

1. The packing box or case, the bottles or



similar articles to be packed therein, packing sheets or diaphragms *a*, provided with apertures through which the bottles extend, said apertures having tongue-like pieces *c* surrounding the same and adapted to bear with a yielding pressure against the sides of the bottles, said sheets being also provided with similar tongue-like pieces *c* around their outer edges, adapted to bear with a yielding pressure against the sides of the box, one such sheet being arranged in the box near the bottoms of the bottles and another near the tops of the latter, and cushioning devices between the ends of the bottles and the box, all constructed, arranged, and combined substantially as and for the purposes hereinbefore set forth.

2. The packing box or case, the bottles or similar articles to be packed therein, packing sheets or diaphragms provided with ap-

ertures through which the bottles extend, and with tongue-like pieces or serrations around their outer edges, adapted to bear with a yielding pressure against the sides of the box, one such sheet being arranged in the box near the bottoms of the bottles and another near the tops of the latter, and cushioning devices between the ends of the bottles and the box, all constructed, arranged, and combined substantially as and for the purposes hereinbefore set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 16th day of August, 1886.

EDWARD A. GALBRAITH.

Witnesses:

C. F. BROWN,  
JOHN LONG.