

No. 749,479.

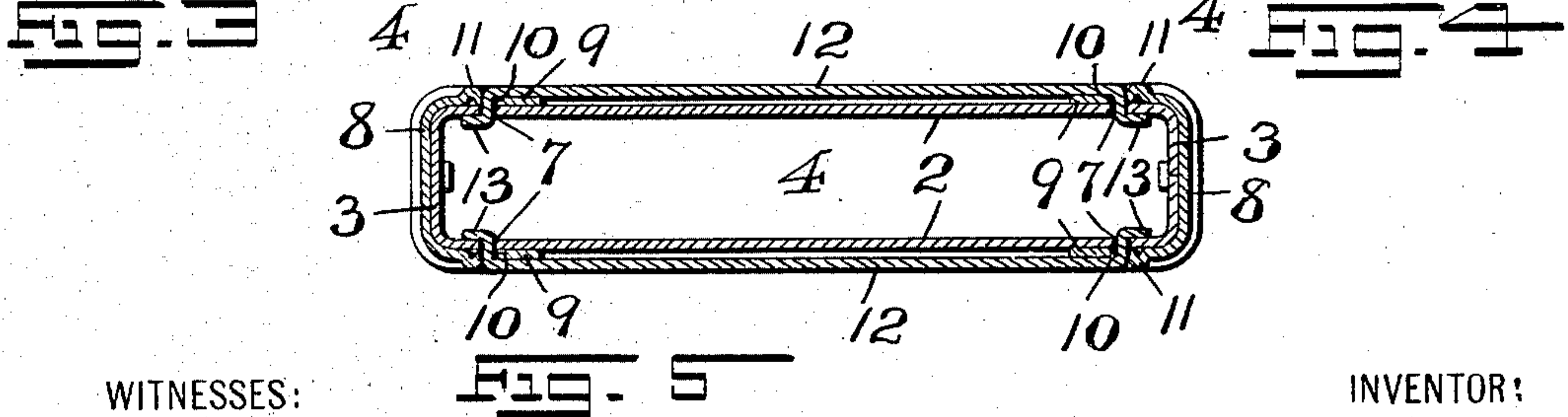
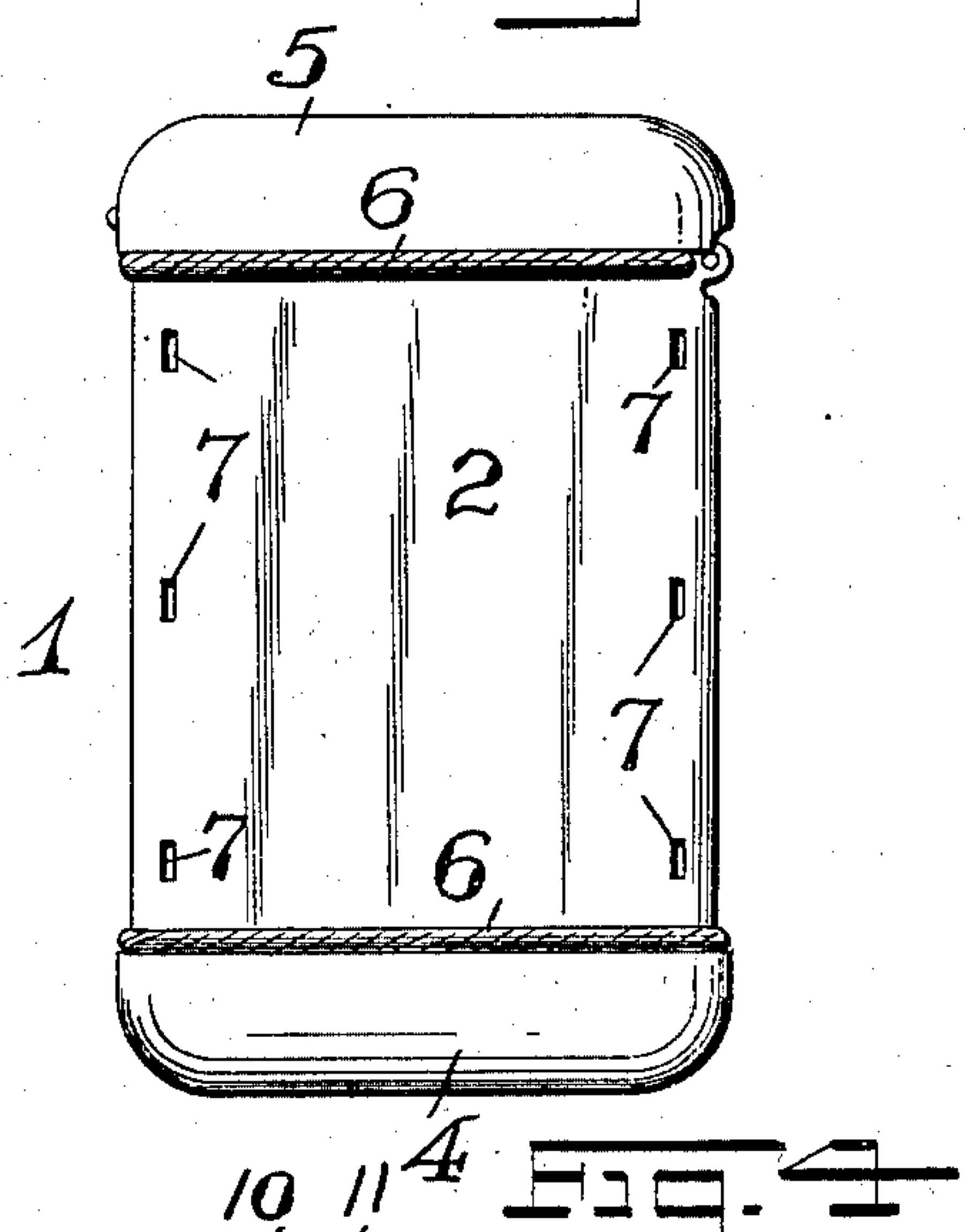
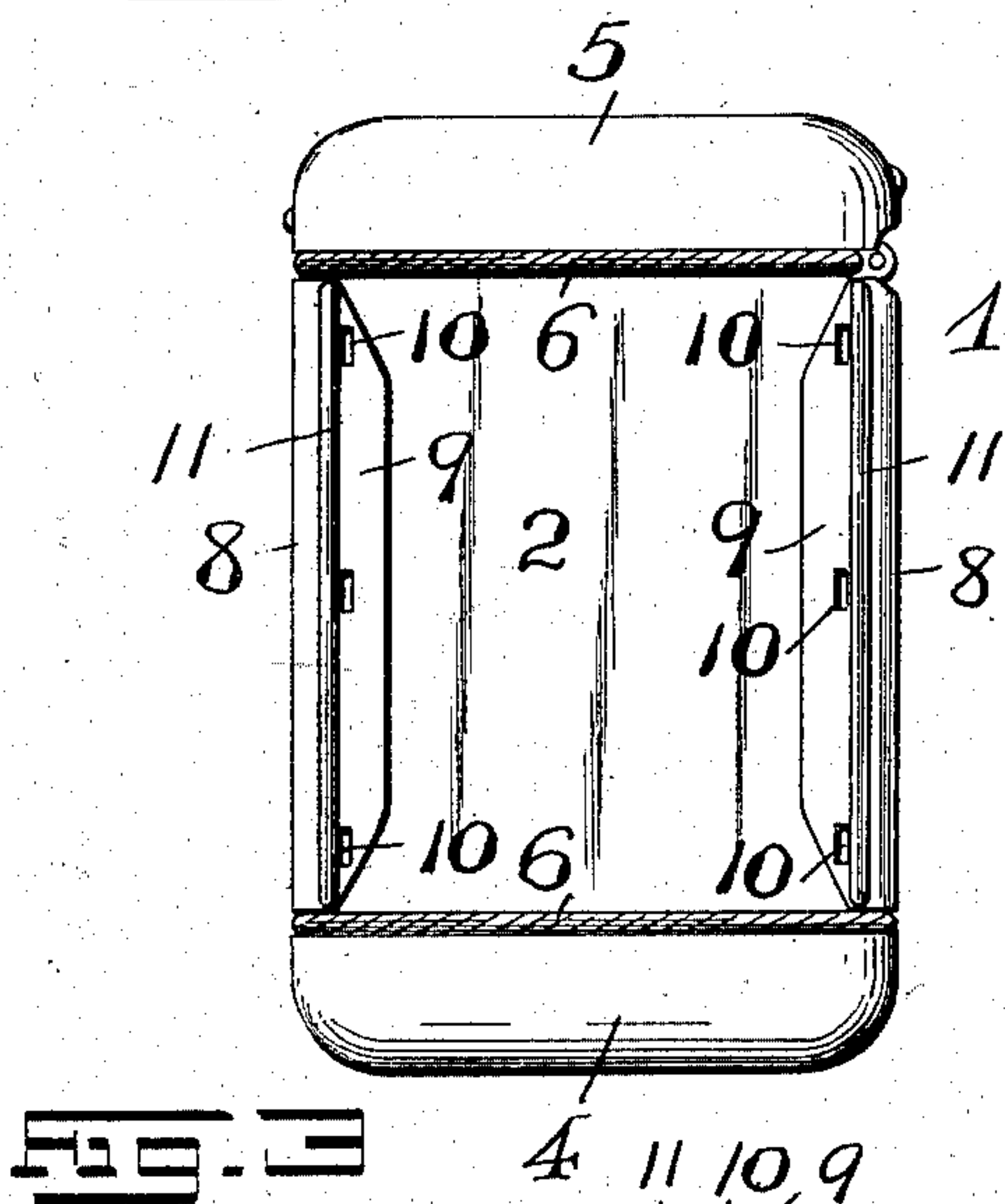
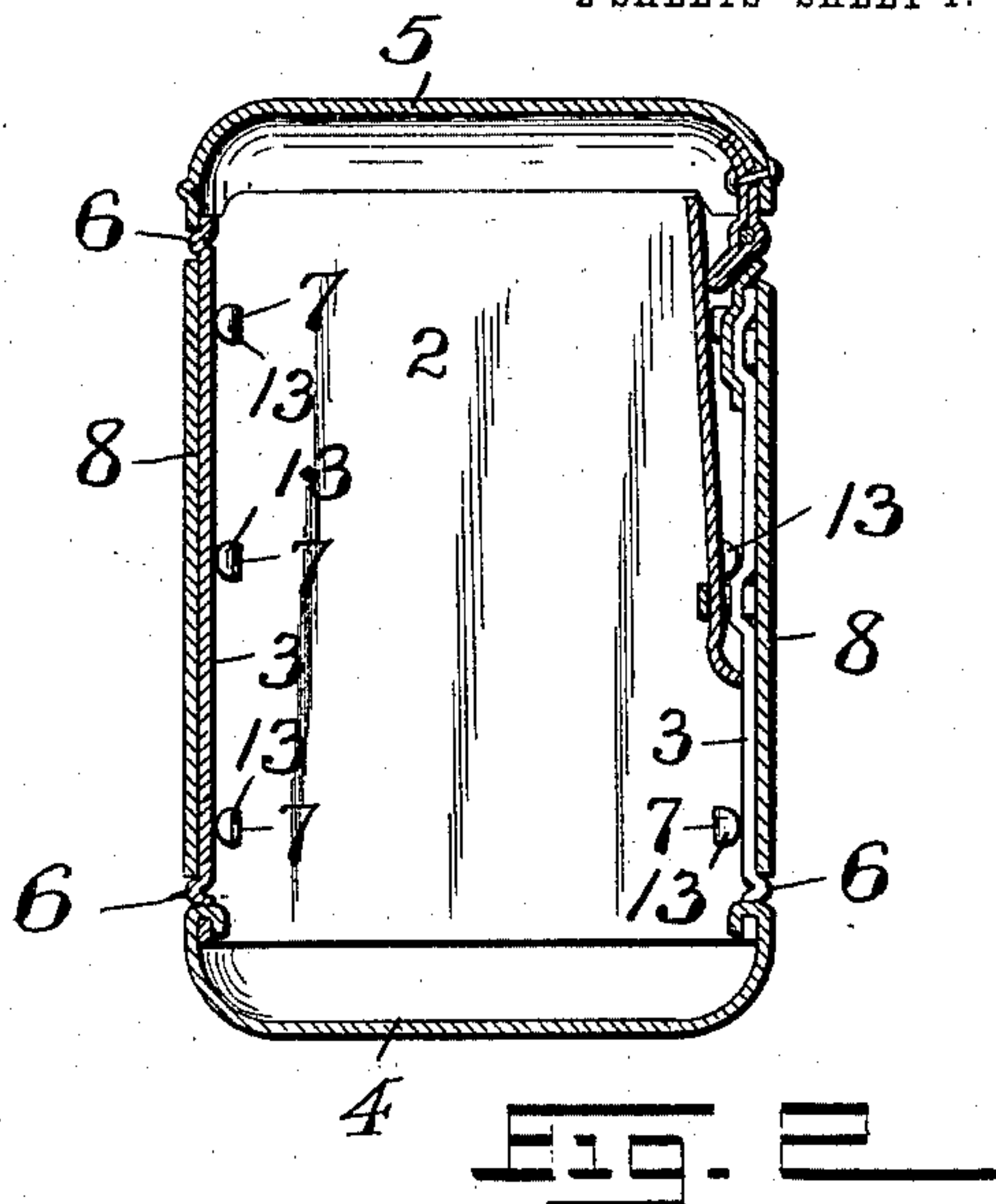
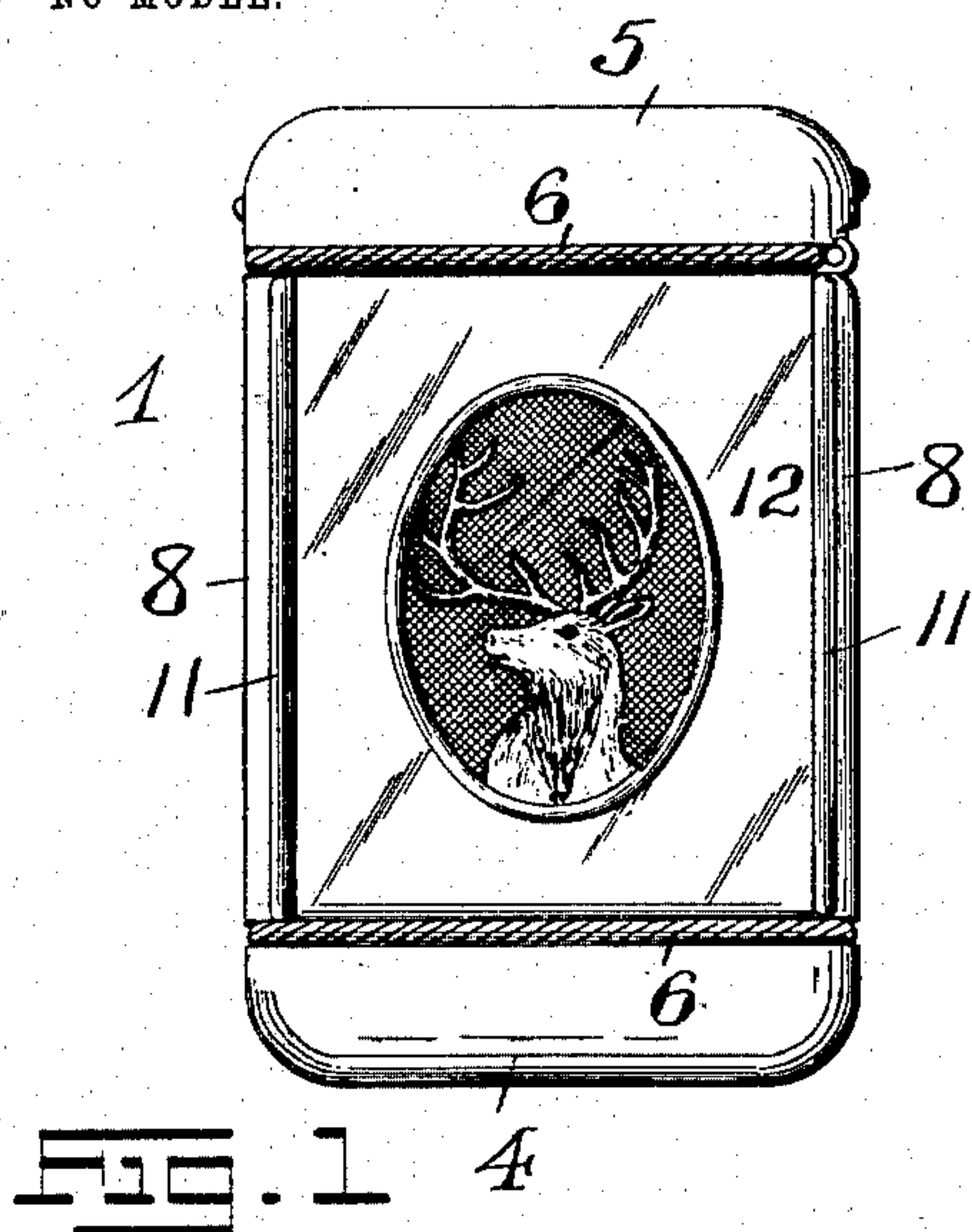
PATENTED JAN. 12, 1904.

B. VOM EIGEN.
BOX.

APPLICATION FILED OCT. 12, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES:

Geo. S. Richards
H. Hugo R. Fraenzel

INVENTOR:

Benno von Eigen,
BY
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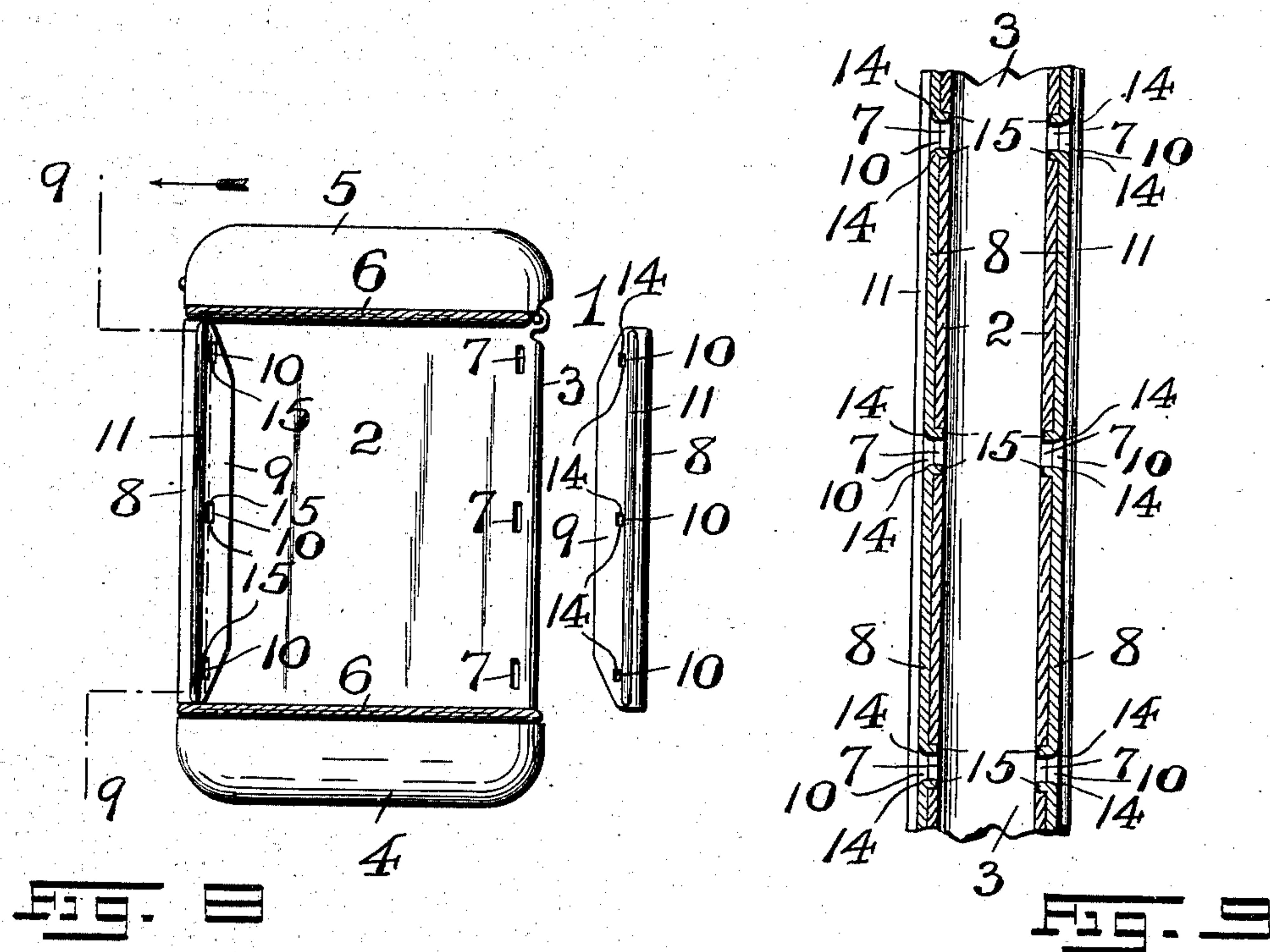
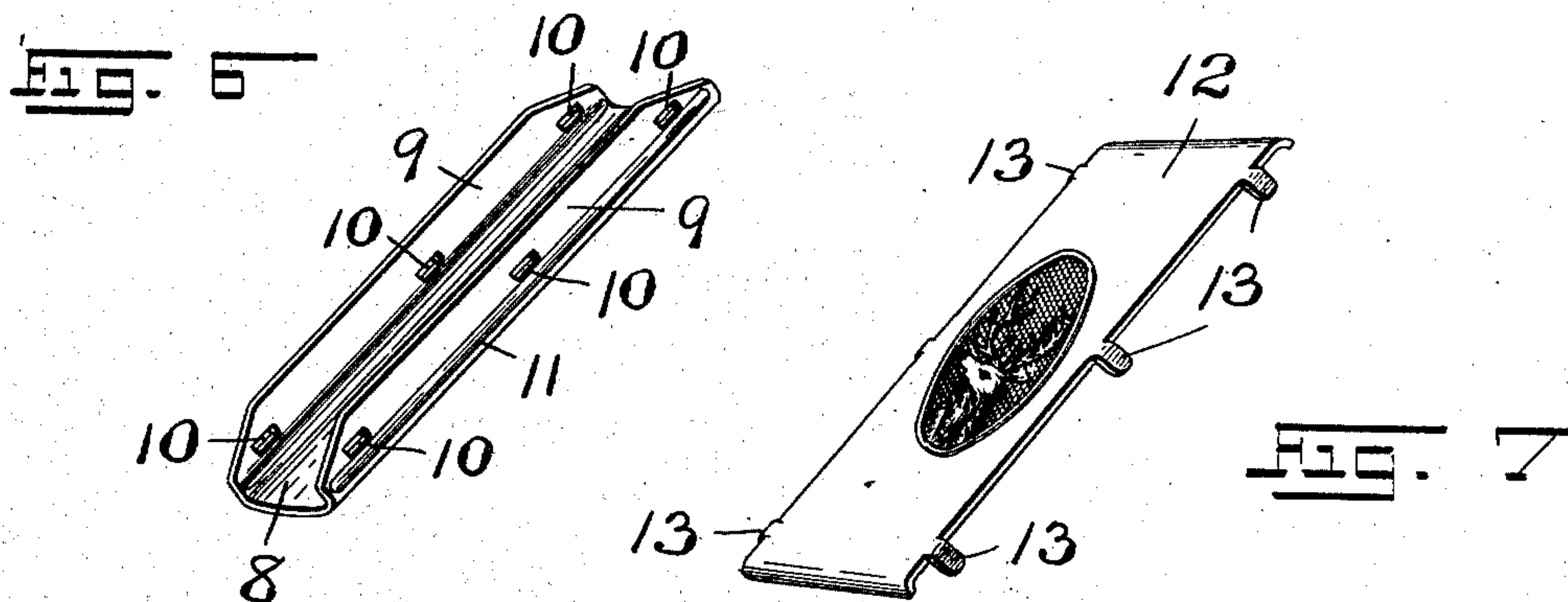
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2 SHEETS—SHEET 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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GOERTZ & CO., OF NEWARK, NEW JERSEY, A FIRM.

BOX.

SPECIFICATION forming part of Letters Patent No. 749,479, dated January 12, 1904.

Application filed October 12, 1903. Serial No. 176,642. (No model.)

To all whom it may concern:

Be it known that I, BENNO VOM EIGEN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Match and other Boxes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The present invention has reference to improvements in that class of match and other boxes comprising a metallic box or case, a pair of ornamental edge strips, and one or more ornamental face-plates, made of metal or other suitable material, bearing a design or picture or other ornamental matter or for the purpose of placing suitable printed matter thereon.

The principal object of this invention is to provide in the class of match-boxes of the character above stated a novel means of attaching the face plate or plates and edge strips easily to the body of the box or case without any use of solder or rivets, as heretofore, preferably by providing the said body of the box or case and parts of the edge strips with perforations which register with each other and the face plate or plates with holding prongs or tongues which are inserted in and passed through the said holes or perforations and then bent over against the inner face or faces of the body of the box or case, thereby providing a safe and positive as well as a simple and cheap means for securing a face-plate in position against the side of the box or case without any danger of the face-plate working loose or becoming displaced, as is now the case with this class of match-boxes as ordinarily made.

Other objects of this invention not at this time more especially mentioned will be clearly understood from the following description of my invention.

The invention consists, therefore, in the novel construction of match-box hereinafter

set forth; and, furthermore, the invention consists in the various arrangements and combinations of the parts, as well as in the details of the construction thereof, all of which will be fully described in the following specification and then finally embodied in the clauses of the claim.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 a face view of a match-box made according to the principles of my present invention; and Fig. 2 is a longitudinal vertical section of the same, illustrating the means of securing the ornamental face plate or plates and edge strips to the body of the box or case by means of holding prongs or tongues connected with the face plate or plates. Fig. 3 is a face view of the box or case with the edge strip or strips in position, but with the face-plate removed; and Fig. 4 is a similar view of the body of the box or case with both the face-plate and edge strips omitted. Fig. 5 is a horizontal sectional representation, on an enlarged scale, of the body of the box, its edge strips, both provided with the registering perforations, and the pronged face-plates, illustrating the manner of inserting said prongs in the said perforations and then bending them over against the inner faces of the body of the box or case. Figs. 6 and 7 are perspective views, respectively, of one of the edge strips and a face-plate. Fig. 8 is a face view of the body of a match-box and a pair of edge strips, one of which is represented in its detached position from the one edge of the box, the said view representing a slightly-modified arrangement of securing the edge strips in place before the attachment of the face-plate; and Fig. 9 is a detail vertical section, taken on line 9 9 in said Fig. 8 and upon an enlarged scale.

Similar characters of reference are employed in all of the above-described views to indicate corresponding parts.

In the said drawings the reference character 1 indicates the body of a match box or case, and the same comprises the two sides 2, the ends 3, the bottom 4, and the usual hinged cover 5. The said sides may be provided with

the usual ornamental beads 6, and near the edges 3 of the box or case the said sides 2 are made with suitably-disposed holes or perforations 7, as will be seen from Figs. 2, 4, 8, 5 and 9.

Suitably arranged over the outer faces of the edges 3 of the body of the box or case 1 are suitable edge strips 8, preferably of metal, the said strips being made channel shape, as 10 illustrated, and their leaves 9 being sprung over the edge portions of the sides 2 of the box or case 1 and having holes or perforations 10, which register with the holes or perforations 7 in the sides 2 of the box or casing, as 15 illustrated. The said leaves 9 of the edge strips 8 may also be made with ornamental beads 11, as indicated in the drawings; but these beads are not essential and may be dispensed with. The holes or perforations 7 in 20 the sides 2 of the box or case and the holes or perforations 10 in the leaves 9 of the edge strips, as indicated in the construction of match-box represented in Figs. 1 to 5, inclusive, are made of the same size, or approximately so, the edge strips 8 being held in place 25 by frictional contact of the leaves 9 with the body of the box or case 1 prior to arranging the face-plate 12 against the outer face of a side 2 and against the leaves 9 of the two edge 30 strips 8 upon the opposite ends 3 of the box. As illustrated, the said face plate or plates 12, which are preferably made of metal and are provided with any ornament, such as a picture or design or advertising matter, are provided 35 along their marginal edges or at any other points with downward - extending holding prongs or tongues 13, as clearly illustrated in Fig. 7 of the drawings. These prongs or 40 tongues 13 are passed through the registering holes or perforations 10 and 7 of the edge strips 8 and the sides 2 of the box or case and then bent over against the inner faces of the said box or case, as clearly illustrated in Figs. 2 and 5 of the drawings. It will thus be clearly evident 45 that by providing the face plate or plates 12 with the holding-prongs or other holding means forming an integral part of the face-plate and inserting the same through the holes or perforations of the edge strips 8 and the 50 sides 2 of the body of the box or case and then securing said holding means against the inner face of the box or case a simple and cheap fastening means for securing the parts together has been provided and with the final 55 result that all the parts of the box or case are securely united and there is no possibility of the face plate or plates working loose or becoming detached, as is so often the case where the face-plates and the edge strips are soldered 60 fast to the body of the box or where the face-plates have their edges slipped beneath and held in position by means of guides or receiving portions connected with the edge strips.

In Figs. 8 and 9 I have represented a slightly- 65 modified means for attaching the edge strips

8 in position upon the ends 3 of the body of the box or case 1 prior to securing the face plate or plates 12 in position by means of their holding prongs or tongues 13. In this construction, as will be seen from an inspection of Fig. 8, the holes or perforations 7 in 70 the sides 2 of the box or case are made of greater length than the holes or perforations 10 in the leaves 9 of the edge strips 8, and when the edge strips are arranged upon the 75 ends 3 of the body of the box, with the smaller holes or perforations 10 arranged above the larger holes or perforations 7 by means of a proper die or other tool, the edge portions 14 (see Fig. 8) are stamped out at the opposite 80 edges of the holes or perforations 10 to provide the said edge strips with downwardly-extending holding-lugs 15, which extend into the said holes or perforations 7 in the sides 2 of the 85 box or case 1, as represented in Fig. 9 of the drawings, and thereby prevent the longitudinal slip or displacement of the said edge strips 8 from the body of the box during the process of manufacture and prior to positively and 90 finally securing the said edge strips or pieces and the ornamental face-plates in position in the manner above specified.

From the previous description of my invention it will be seen that I have devised a simple and neat construction of match and other 95 box in which the edge strips and the face plate or plates are easily and quickly assembled and are positively secured together without the employment of solder or rivets, whereby there is a great saving in cost of material 100 and in time and labor.

Having thus described my invention, what I claim is—

1. In a box, the combination, with the body of the box and its edge strips, of a face-plate, 105 and means on said face-plate arranged for holding engagement with said edge strips and the body of the box, for securing the said face-plate and said edge strips in fixed positions upon the body of the box, substantially as and 110 for the purposes set forth.

2. In a box, the combination, with the body of the box and its edge strips, of a face-plate, 115 and integrally-formed holding-prongs on said face-plate arranged for holding engagement with said edge strips and the body of the box, for securing the said face-plate and said edge strips in fixed positions upon the body of the box, substantially as and for the purposes set 120 forth.

3. In a box, the combination, with the body of the box and edge strips, the said body of the box and edge strips being provided with holes which register with each other, of a face-plate; and holding means on said face-plate 125 extending through the holes in said edge strips and the body of the box and in holding engagement with the inner faces of the body of the box, substantially as and for the purposes set forth. 130

4. In a box, the combination, with the body of the box and edge strips, the said body of the box and edge strips being provided with holes which register with each other, of a face-plate, and prongs on said face-plate extending through the holes in the edge strips and the body of the box, said prongs being bent over against the inner faces of the said body, substantially as and for the purposes set forth.

5. In a box, the combination, with the body of the box, of a pair of edge strips, holding-leaves on each edge strip arranged to embrace the ends of the body of the box, the said body of the box and the leaves of the edge strips being provided with holes which register with each other, a face-plate and holding means on said face-plate extending through the holes in the leaves of the edge strips and the body of the box and in holding engagement with the inner faces of the said body, substantially as and for the purposes set forth.

6. In a box, the combination, with the body of the box, of a pair of edge strips, holding-leaves on each edge strip arranged to embrace the ends of the body of the box, the said body of the box and the leaves of the edge strips being provided with holes which register with each other, a face-plate, and prongs on said face-plate extending through the holes in said leaves of the edge strips and the body of the box, said prongs being bent over against the inner faces of the said body, substantially as and for the purposes set forth.

7. In a box, the combination, with the body of the box, provided with holes, of a pair of

edge strips, holding-leaves on each edge strip arranged to embrace the ends of the body of the box, the leaves of said edge strips being provided with holes which register with the holes in the body of the box, holding-lugs extending from the said leaves in engagement with portions of the body of the box, a face-plate, and holding means on said face-plate extending through the holes in the leaves of the edge strips and the body of the box and in holding engagement with the inner faces of the body of the box, substantially as and for the purposes set forth.

8. In a box, the combination, with the body of the box, provided with holes, of a pair of edge strips, holding-leaves on each edge strip arranged to embrace the ends of the body of the box, the leaves of said edge strips being provided with holes which register with the holes in the body of the box, holding-lugs extending from the said leaves in engagement with portions of the body of the box, a face-plate, and prongs on said face-plate extending through the holes in said leaves of the edge strips and the body of the box, said prongs being bent over against the inner faces of the said body, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 28th day of September, 1903.

BENNO VOM EIGEN.

Witnesses:

FREDK. C. FRAENTZEL,

GEO. D. RICHARDS.