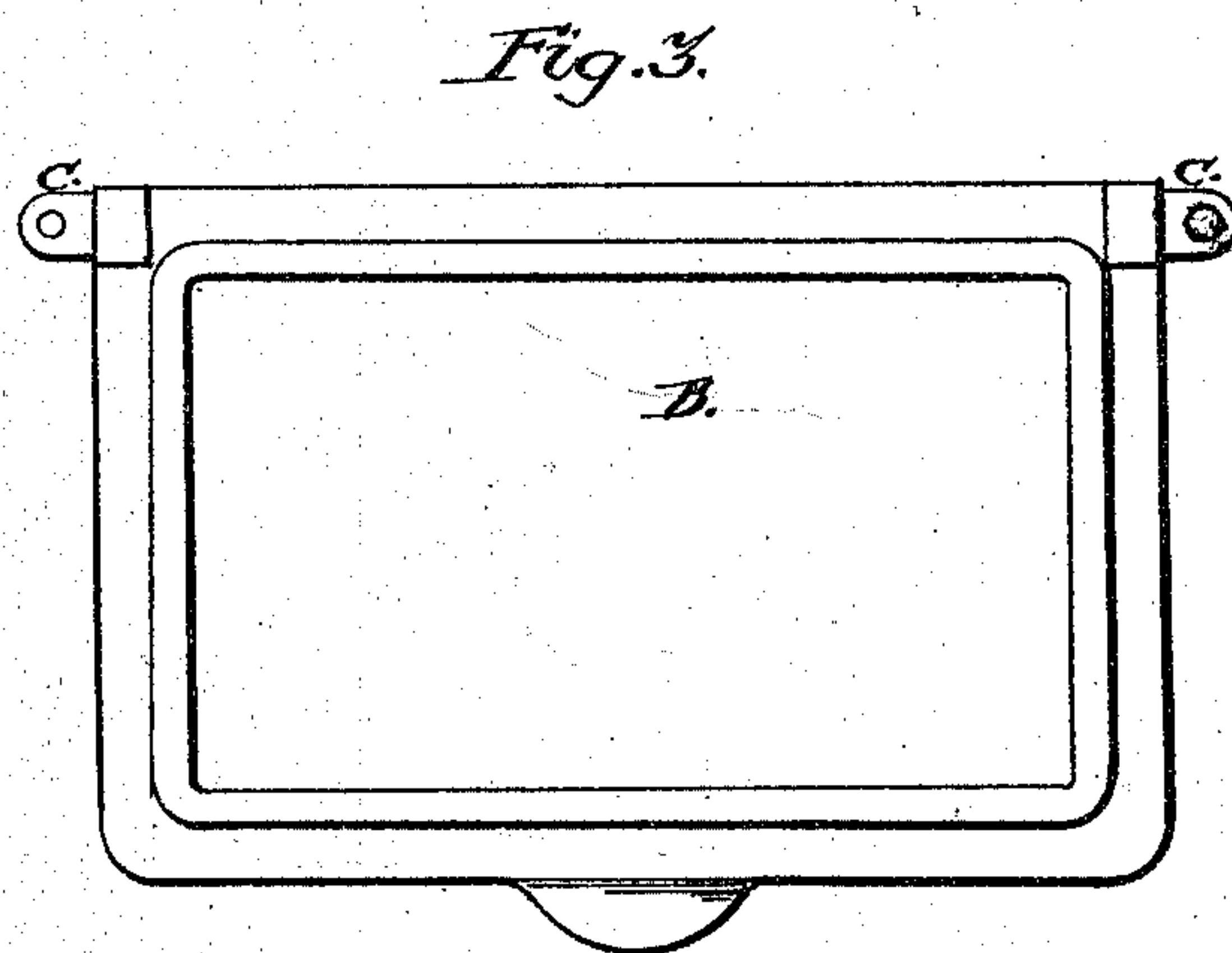
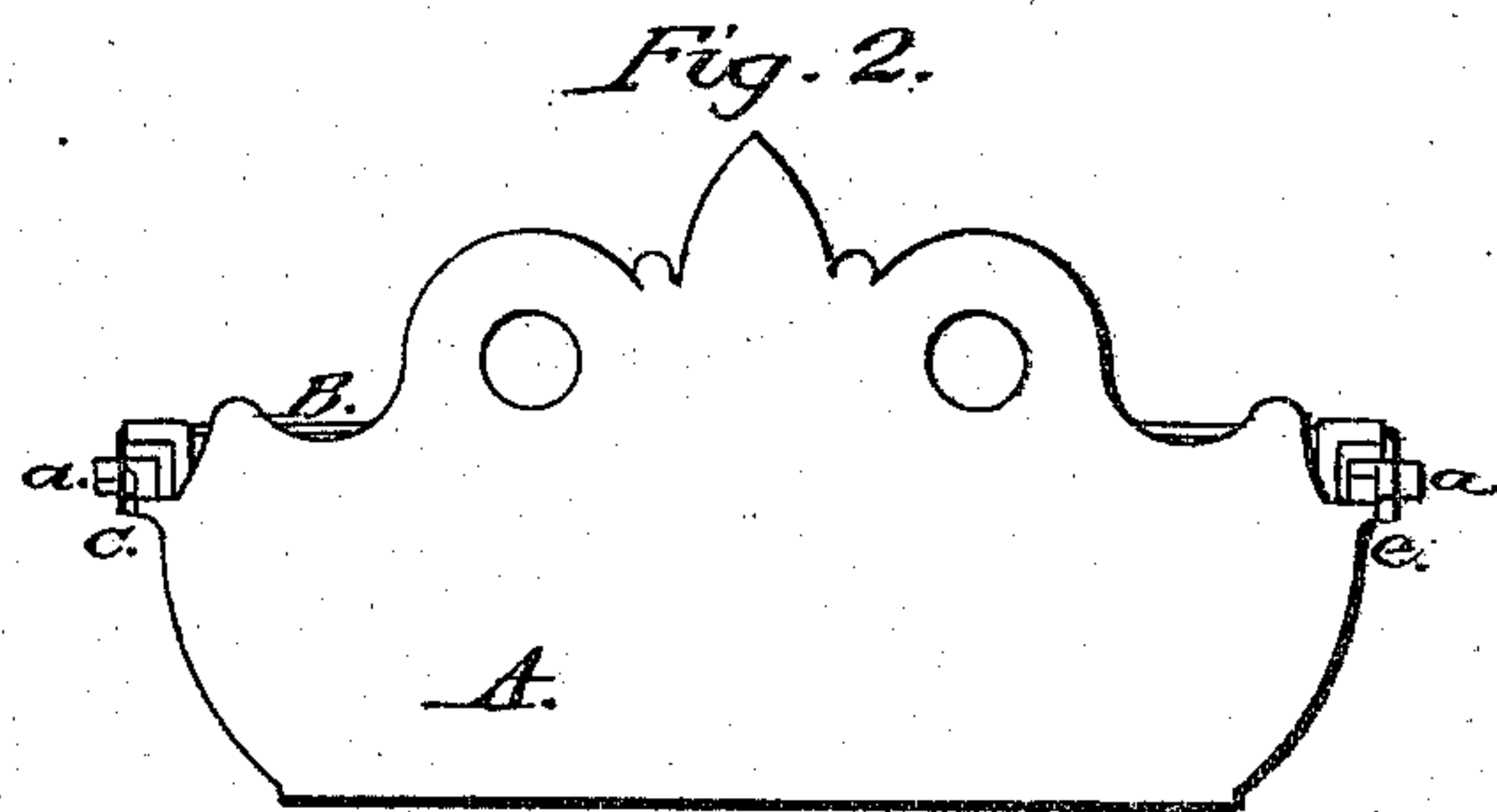
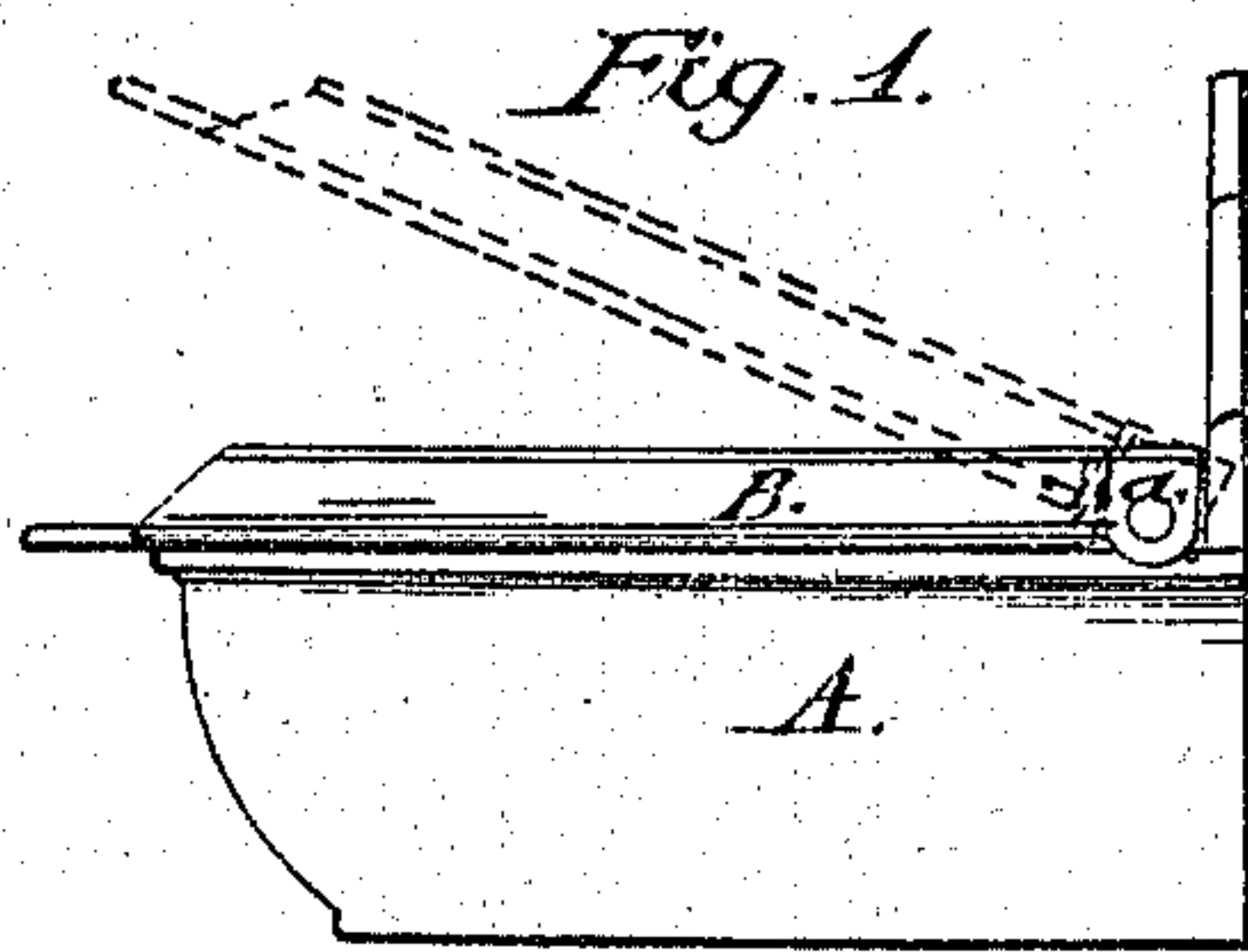


R. FRISBIE.

Match Safe.

No. 95,103.

Patented Sept. 21, 1869.



Witnesses:
J. M. Crombs
Fred. Haymes

Inventor:
Russell Frisbie
Per Brown & Co
attys.

United States Patent Office.

RUSSEL FRISBIE, OF CROMWELL, CONNECTICUT, ASSIGNOR TO J. AND E. STEPHENS & COMPANY, OF SAME PLACE.

Letters Patent No. 95,103, dated September 21, 1869.

IMPROVEMENT IN HINGES FOR BOXES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, RUSSEL FRISBIE, of Cromwell, in the county of Middlesex, and State of Connecticut, have invented a new and useful Improvement in Match and other Boxes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents an edge view of a match or other box, constructed in accordance with my improvement;

Figure 2 is a rear view of the same; and

Figure 3, a top view of the lid of said box, prior to its ears (which form the hinge) being bent or turned down.

Similar letters of reference indicate corresponding parts.

This improvement relates to match and other boxes, the lids, or lids and bodies of which are formed of cast-metal; and

My invention consists in a combination, with the cast lid, of tin, or other sheet-metal ears, united with the lid in casting, and serving, when bent or turned down, to fit on or over studs cast on the body of the box, to establish the hinged connection of the lid with the body. By this construction, the lid is readily attached to the box, and cheapness combined with efficiency.

Referring to the accompanying drawing—

A is the body of the box, formed with hinge-studs *a a* cast on it, and arranged to project from opposite sides or edges of said body in its rear.

B is the lid, made of cast-metal, and provided, on opposite edges its in the rear, with tin or other sheet-metal ears C C, which are formed of flat narrow strips let into the mould, so that the metal, in casting the

lid, is run around the inner ends of them for the purpose of establishing a union of the lid and strips, as represented in fig. 3.

Said ears have holes *b b* formed in them, to receive the studs *a a* of the body through them, on fitting the lid to the box, which is done by bending or turning each ear down in succession over its respective stud *a*, as shown in figs. 1 and 2.

This forms a cheap, simple, and efficient mode of hinging the lid to the body of the box, free from accidental detachment of the parts, and dispensing with all separate fitting of hinge or joint-pins, which, in the form of the studs *a a*, are cast, or otherwise made solid with the body.

In some cases, and such I regard as an equivalent construction, the sheet-metal ears C C may be united with the body A of the box in casting it, and the pins or studs *a a* be made attachments to or projections from the lid, which is only reversing the disposition of the ears and studs relatively to the lid and body of the box.

What is here claimed, and desired to be secured by Letters Patent, is—

The sheet-metal ears C C, united in or by the process of casting, as described, with the one section or portion of the box, for attachment of the two sections or portions, consisting of a body, A, and lid, B, by bending said ears so as to receive, through holes *b b* formed in them, hinge-pins or studs *a a* provided on the other section or portion, substantially as specified.

RUSSEL FRISBIE.

Witnesses:

EDWARD S. COE,
WM. E. HULBERT.