

No. 688,712.

P. B. BAKER.

Patented Dec. 10, 1901.

HINGE.

(Application filed Aug. 9, 1901.)

(No Model.)

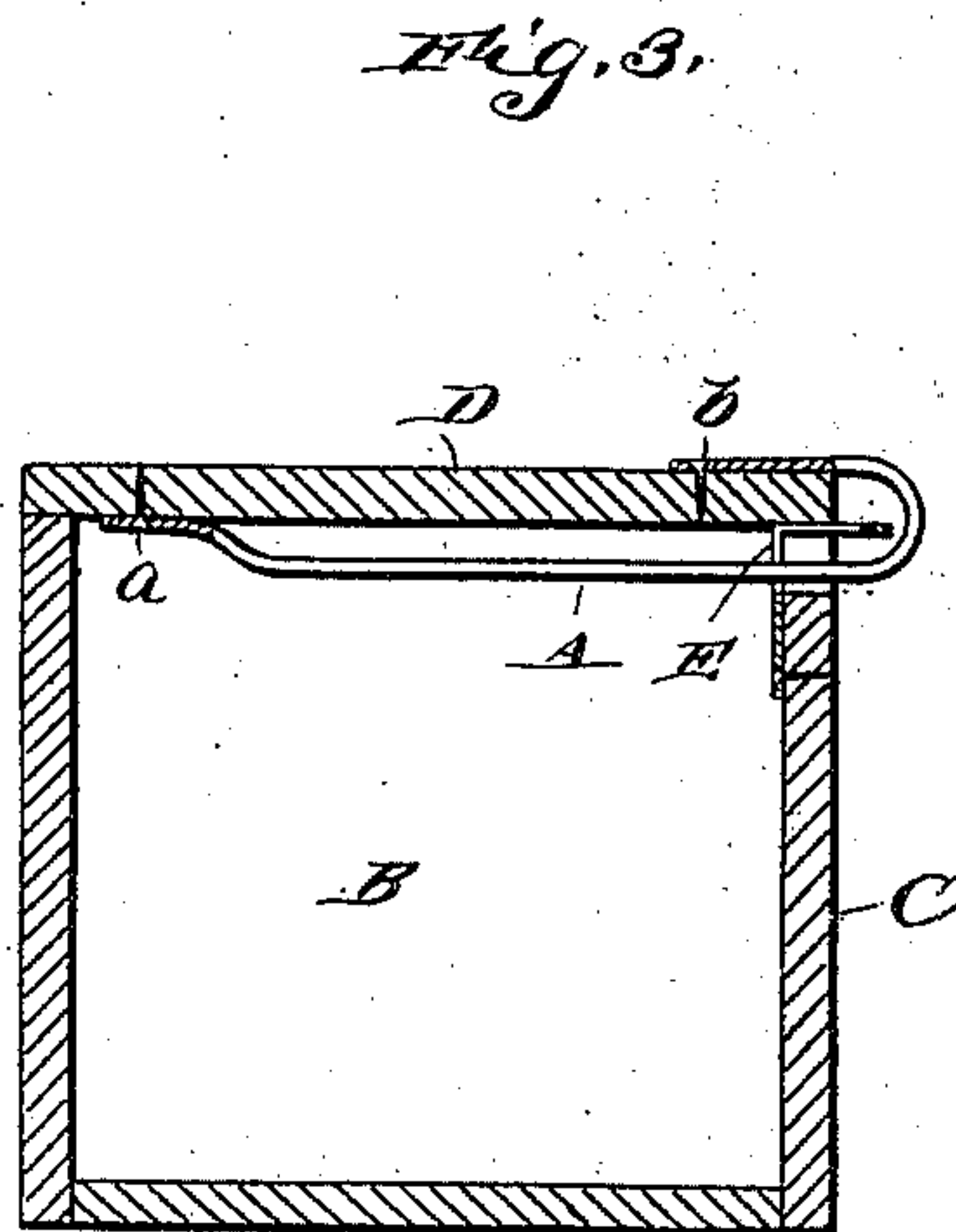
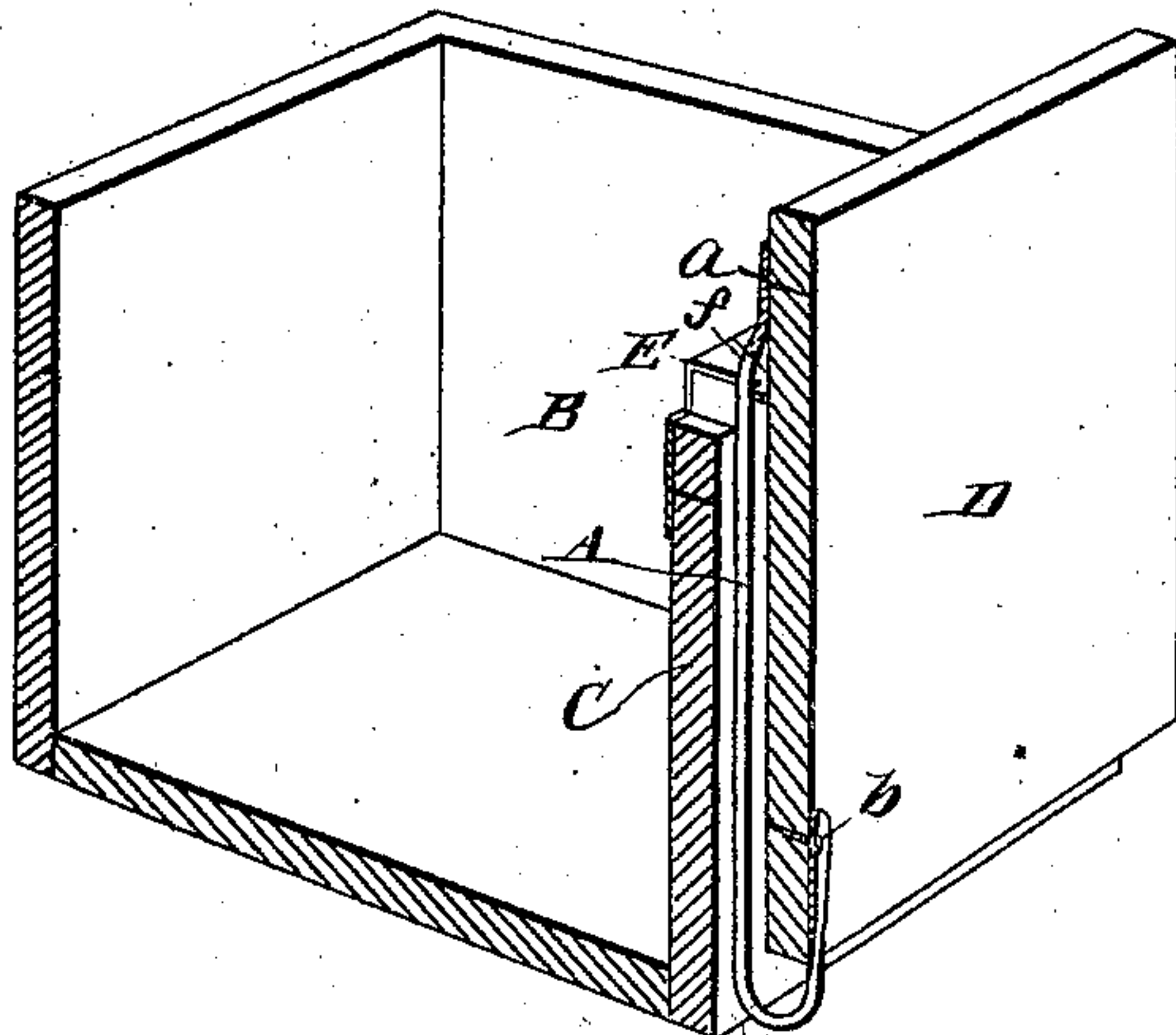
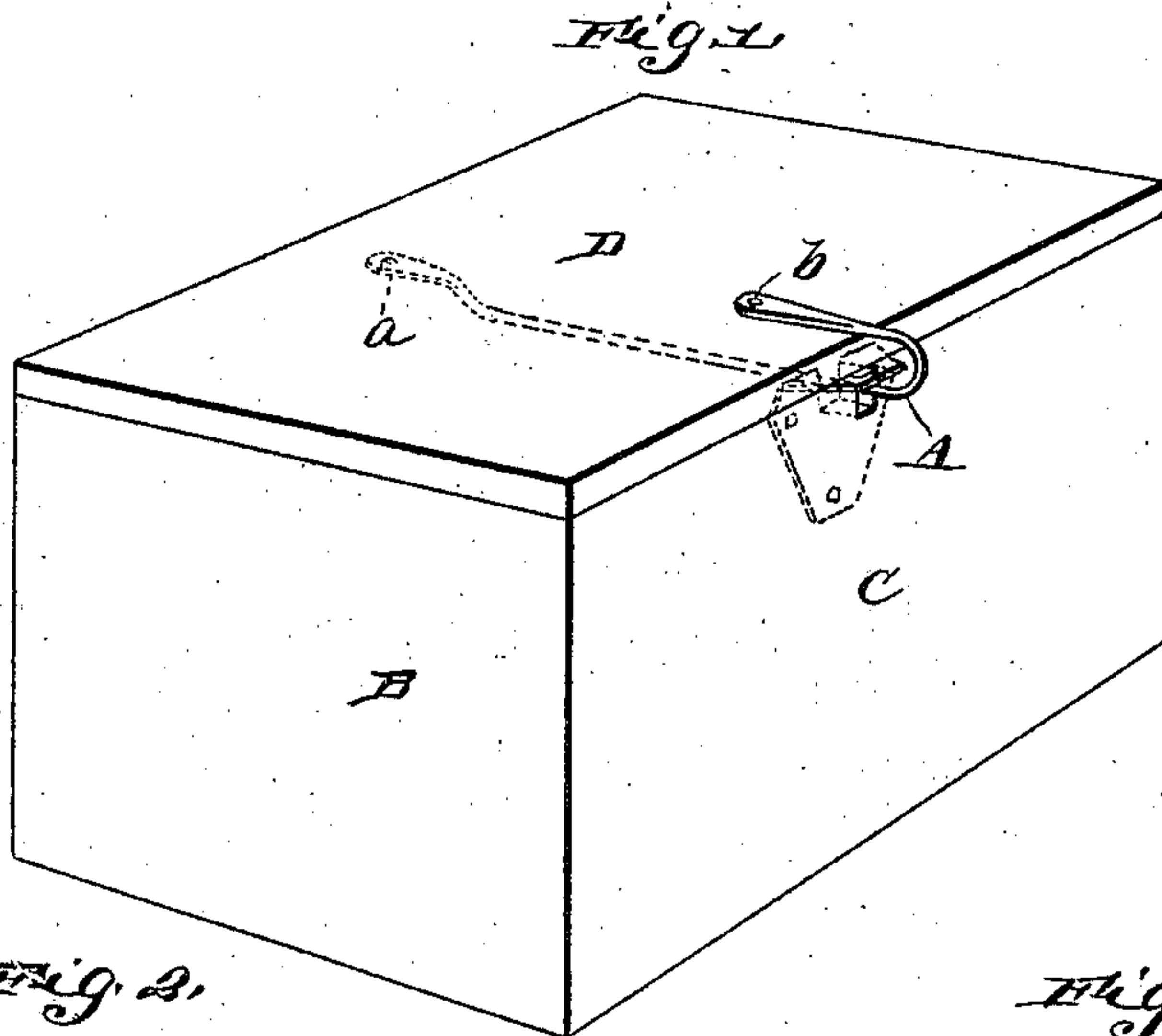


Fig. 4.

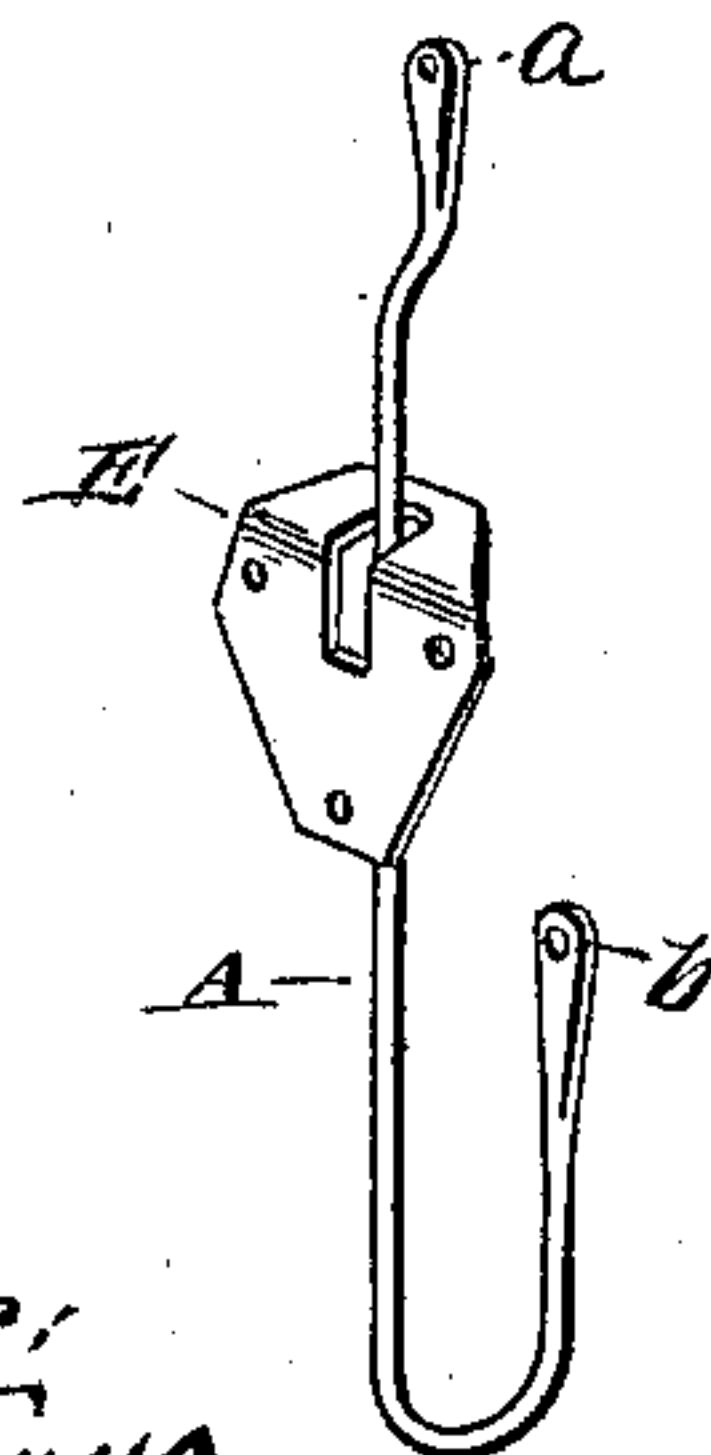
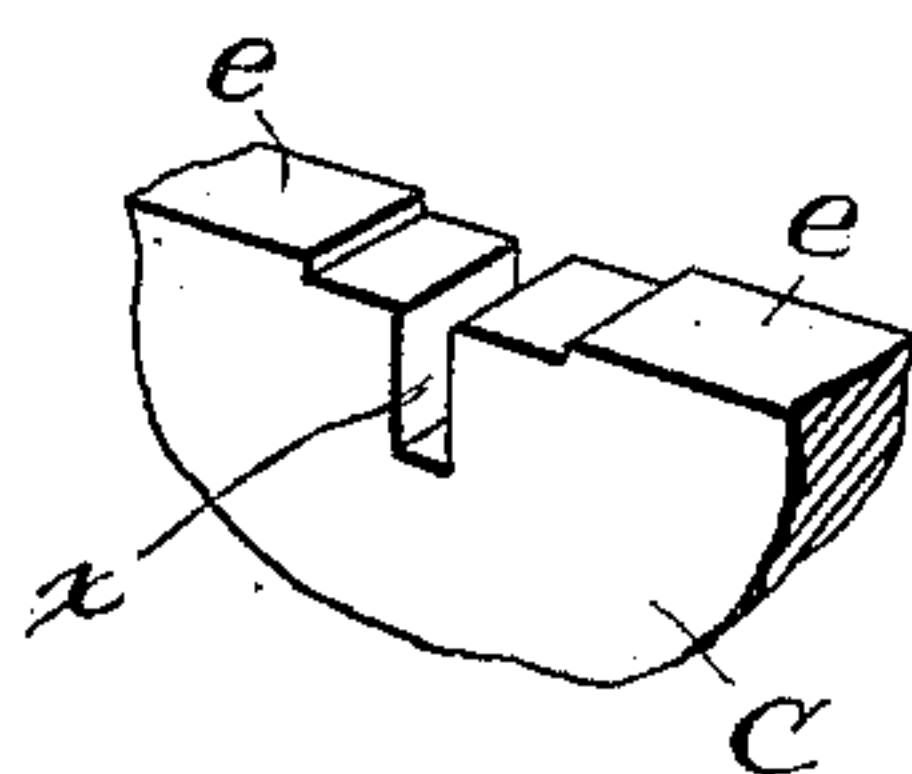
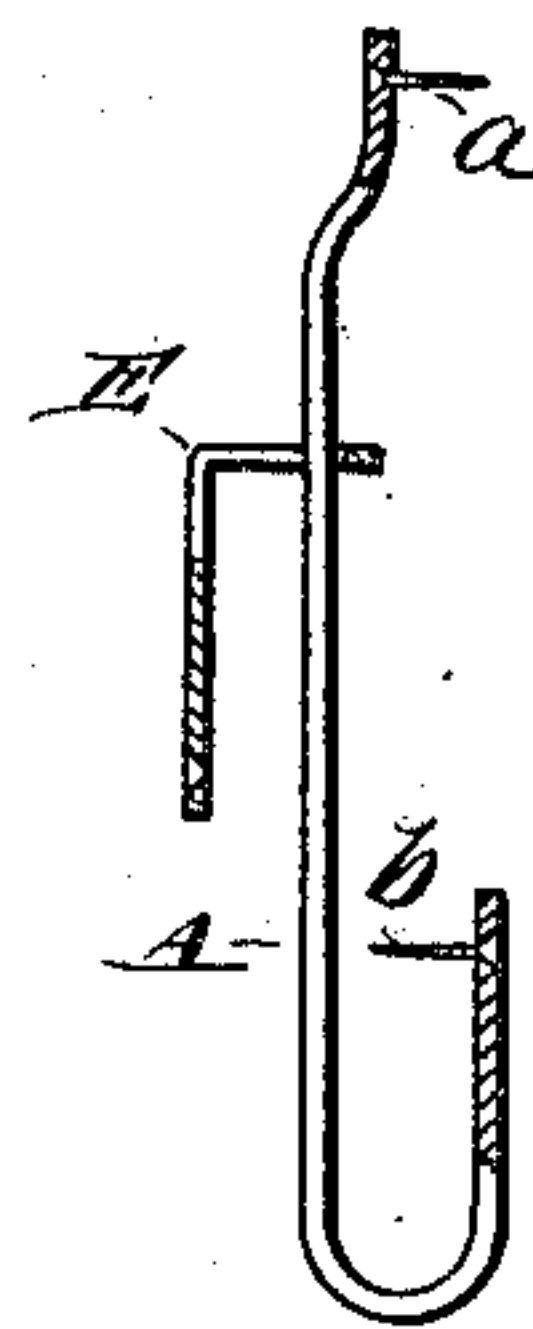


Fig. 5.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

PHILIP BENJAMIN BAKER, OF NEOSHO, MISSOURI.

## HINGE.

SPECIFICATION forming part of Letters Patent No. 688,712, dated December 10, 1901.

Application filed August 9, 1901. Serial No. 71,543. (No model.)

*To all whom it may concern:*

Be it known that I, PHILIP BENJAMIN BAKER, a citizen of the United States, residing at Neosho, in the county of Newton and State of Missouri, have invented certain new and useful Improvements in Hinges; and I do declare the following to be a specification of the same, reference being had to the drawings which are a part hereof.

10 The object of my invention is to provide such a box-lid hinge as will permit the lid to slide backward and downward out of the way, and thus economize space and also render the lid less liable to be broken off when the  
15 box is open and the contents of the box exposed than when using an ordinary strap-hinge, and also furnishing a strong and economical hinge, especially for beer-bottle boxes, soda-pop, and other similar boxes and  
20 cases.

Figure 1 is a perspective view of a box with lid attached thereto closed down, showing my invention in dotted lines. Fig. 2 is a cross-section of a box in perspective with lid attached thereto and open, with lid slid down the back of the box, showing my invention. Fig. 3 is a cross-section of box with lid closed down, showing my invention. Fig. 4 shows  
25 a front view of my hinge disconnected from both box and lid. Fig. 5 shows a cross-section of the entire box-lid hinge disconnected from both box and lid. Fig. 6 shows a section of back of box with wood cut out to admit the short arm of hinge, so as to be flush with the top  
30 at *ee*, also showing a saw-cut at *x* to admit the sliding of the long arm when united to the short arm.

In the drawings, B represents the box; C, the back of the box; D, the lid of the box,  
40 and A the hinge.

To the lid D at *a* and *b* is attached the long arm of the hinge in any suitable manner, preferably with screws, as shown in Fig. 3. The long arm of said hinge is preferably a metal  
45 rod flattened at each end and has holes to admit the screws for fastening to the lid at *a* and *b* and not touching said lid between *a* and *b* and having sufficient space between the lid and

the rod to permit said arm when connected up to slide freely along through the slot or  
50 eye in the angle of the short arm of said hinge A. The short arm E is made, preferably, of a piece of flat metal having its lips or ears at a right angle, or nearly so, and a slot or eye made through this angle, having sufficient  
55 width and length to permit the free movement therein of the long arm of said hinge and to guide and limit the movement of the lid of the box when the said short arm is secured in place to said box, which is done in any suit-  
60 able manner, preferably with screws. The back of the box at *ee* and *x* is mortised or cut out, so as to make the top of the short arm flush with back of box at *ee* and also allow the long arm to slide through the saw-cut *x*.  
65

The hinge A is made of metal, and when secured to the lid and box permits the lid to be raised to a perpendicular position and slid down the back of the box, as shown in Fig. 2. The lid can also be closed down readily and  
70 secured, as shown in Fig. 3. Only one hinge need be used on an ordinary-sized box or case.

What I claim as new, and desire to secure by Letters Patent, is—

The combination with a box and its lid of  
75 a hinge comprising in its construction an angle-plate slotted to embrace the angle thereof and provide a bearing-arm at its outer edge and adapted to be secured to the rear wall of a box, and a metal rod offset at one end and  
80 bent or curved upon itself at the opposite end and adapted to have sliding engagement in the slot of said plate with the bearing-arm thereof, the inner or offset end of said rod being adapted to be secured to the underside  
85 of a box-lid and the outer, or recurved end, adapted to embrace the rear edge of the lid and be secured to the top thereof, substantially as and for the purpose specified.

In testimony whereof I have signed my  
90 name to this specification in the presence of two subscribing witnesses.

PHILIP BENJAMIN BAKER.

Witnesses:

J. C. GEYER,  
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