

No. 885,013.

PATENTED APR. 21, 1908.

P. A. BLICHERT.
SHEET METAL BOX.
APPLICATION FILED JAN. 21, 1907.

Fig. 1.

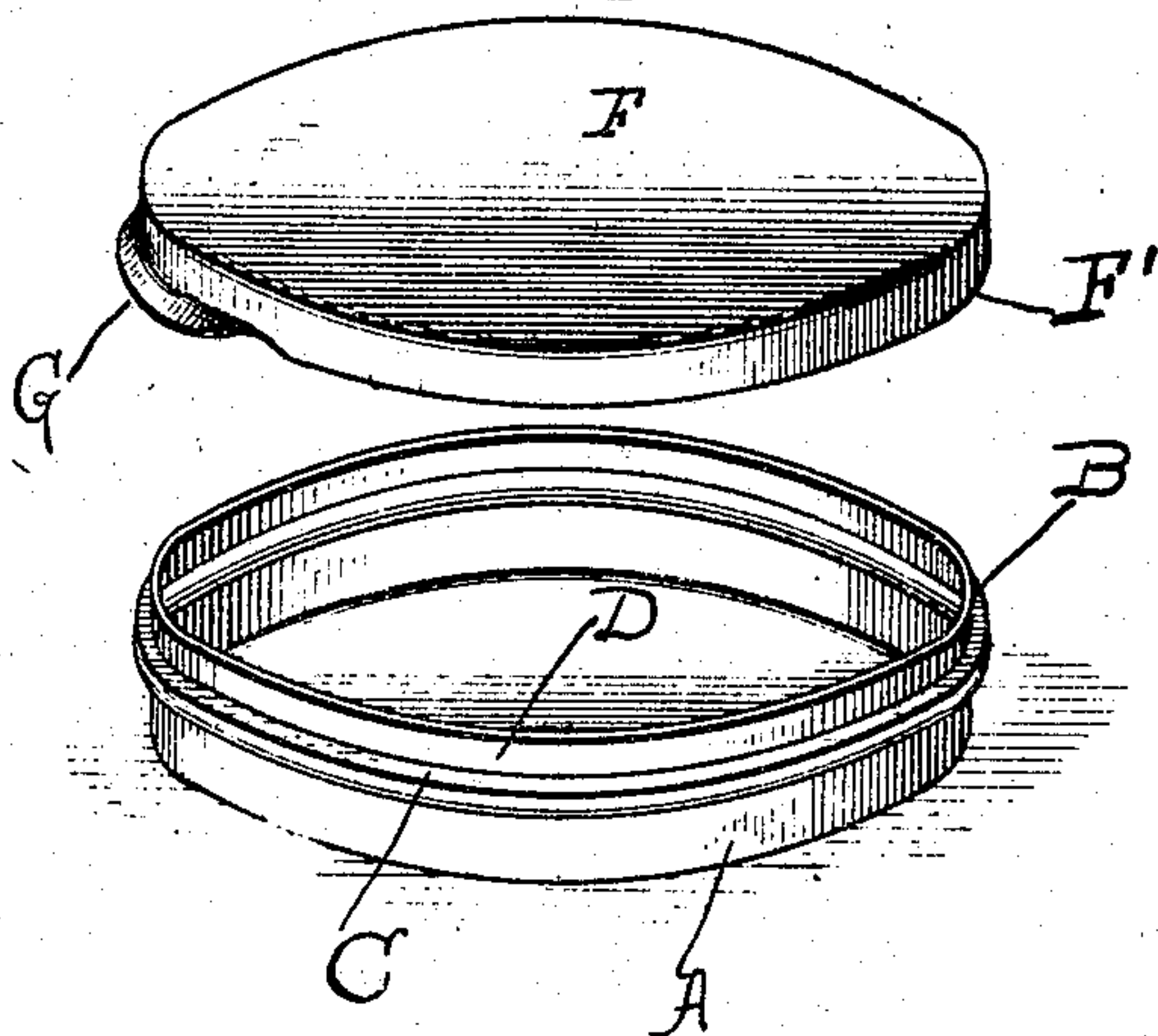


Fig. 2.

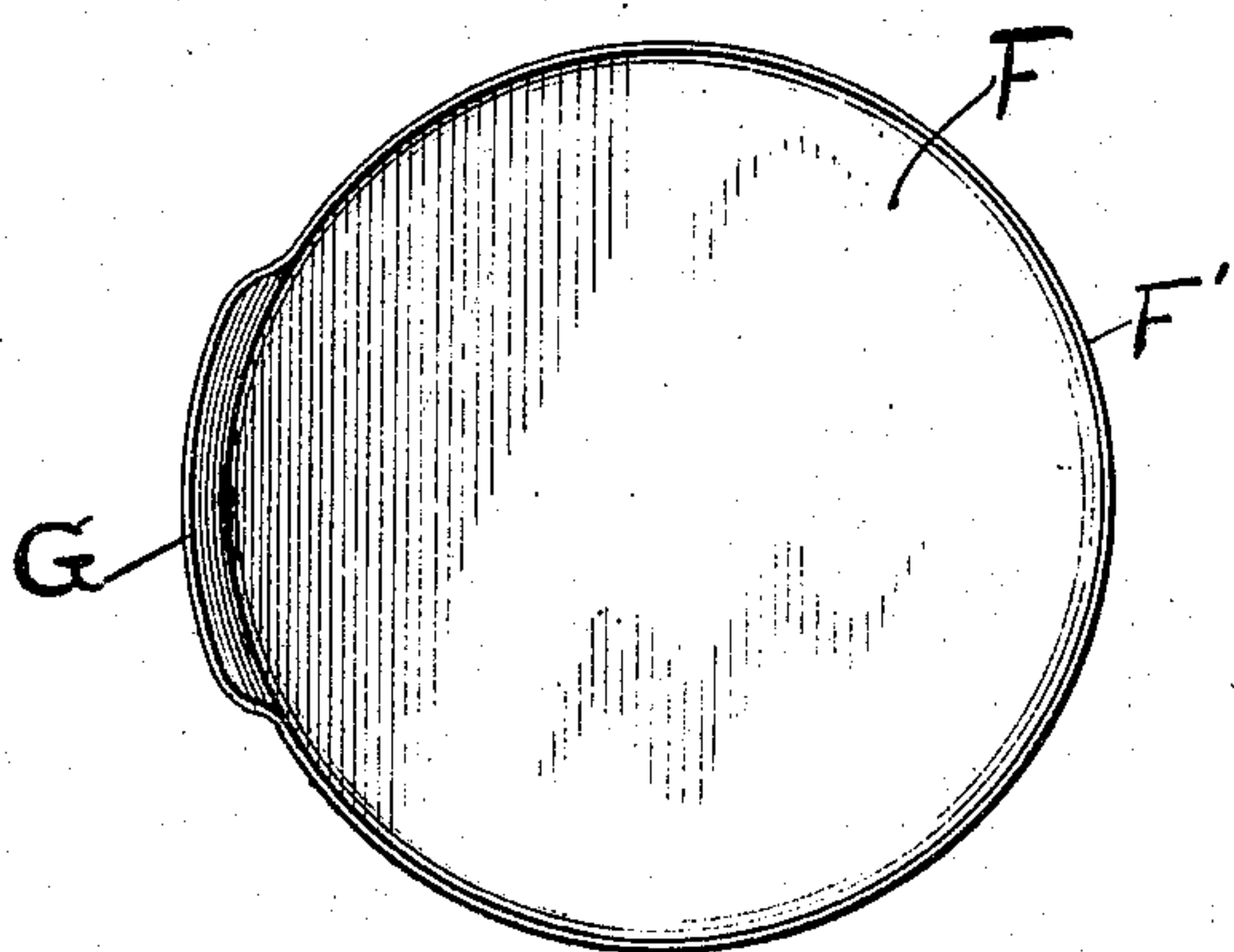


Fig. 3.

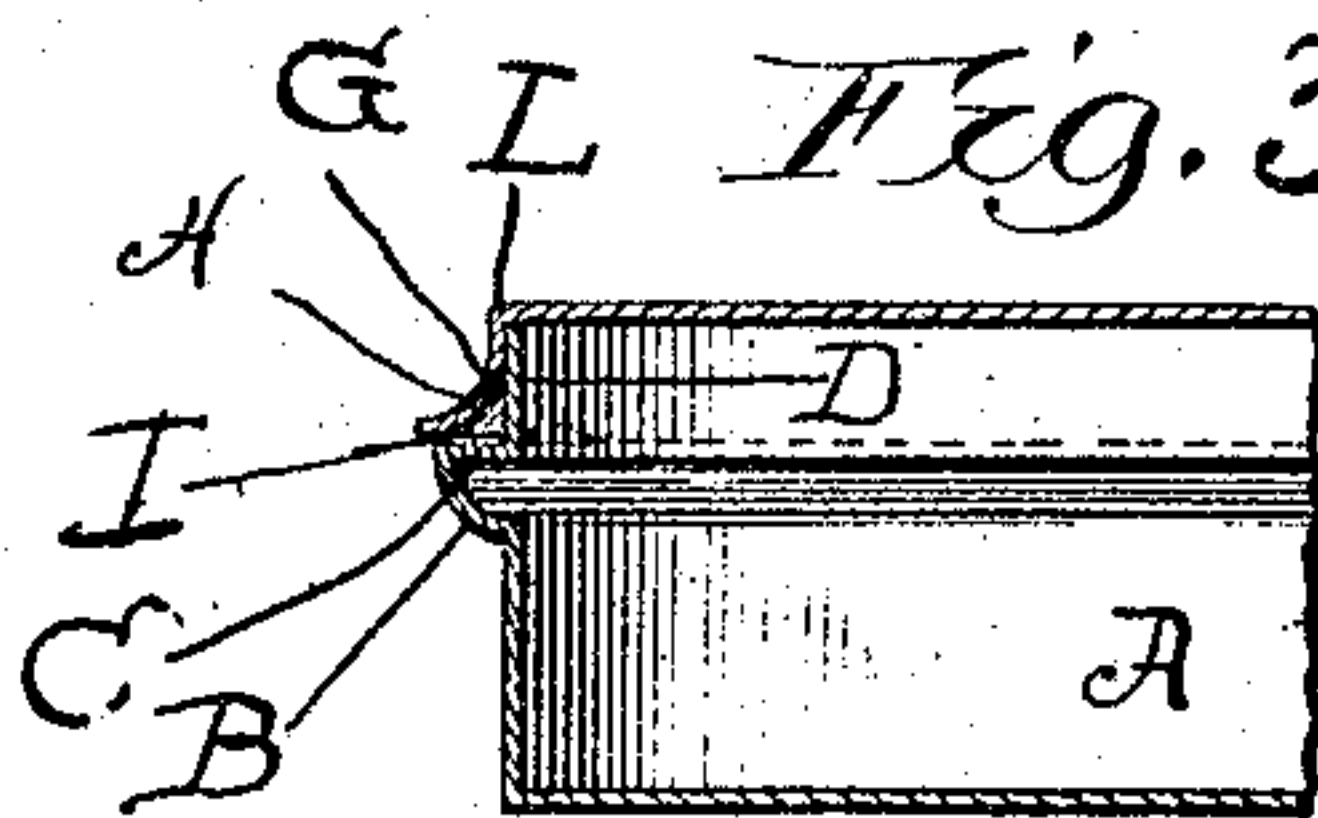
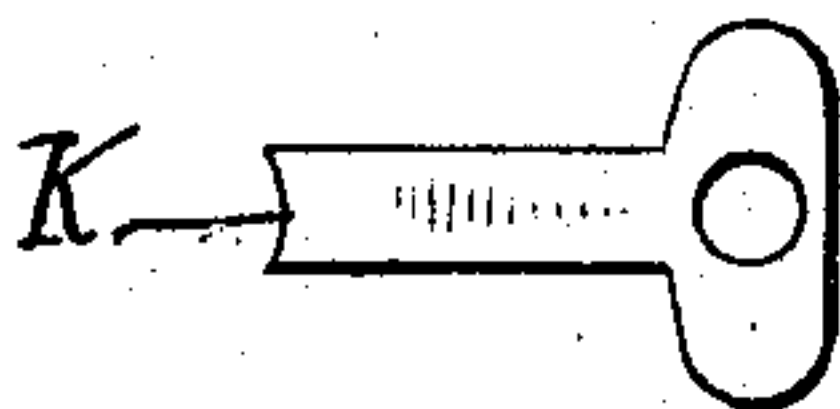


Fig. 4.



Witnesses

Chas. Hennick

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Intersector.

Peter A. Blichert

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Clatremorphus aeneolus

Atty

UNITED STATES PATENT OFFICE.

PETER A. BLICHERT, OF CHICAGO, ILLINOIS.

SHEET-METAL BOX.

No. 885,013.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed January 21, 1907. Serial No. 353,177.

To all whom it may concern:

Be it known that I, PETER A. BLICHERT, a citizen of the United States, residing at the city of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Sheet-Metal Boxes, of which the following is a specification.

My invention relates to boxes or cans formed from thin sheets of metal, and provided with covers of like material, which may be removed or replaced indefinitely as portions of the contents are required for use. The body portions of such cans are usually provided with a bead or ridge pressed out from the inside at a short distance from the upper edge, and which forms a stop upon which the edge of the cover may rest.

The can cover is commonly made from one piece, stamped with others from a flat sheet of metal, and then formed in dies of the desired shape and size. When properly made the cover fits snugly about the upper portion or rim of the can, and the edge rests upon the bead, but when so constructed the cover is removed with difficulty and replaced with inconvenience. This condition is aggravated if adhesive materials are inclosed in the box and get between the adjacent surfaces. In any event the cover must be removed by cutting around under the edge of the cover or by driving it off with a hammer or similar instrument. The parts of the box become thus more or less distorted, the cover is hard to replace, and the efficiency of the box for preserving its contents is impaired. By constructing such boxes, however, according to the principles of my invention, the cover may at all times be readily removed. Leverage may be applied as necessary to overcome a too tight fit or adhesion from inclosed material. It is not injured or so distorted as to cause the contents to be exposed, while, owing to its conformation, the cover may be readily replaced after removal.

In the drawings: Figure 1 is a perspective view of a box having the cover portion removed; Fig. 2 is a top view of the cover; Fig. 3 is a partial vertical section of the box, and Fig. 4 is a key by which the cover may be removed.

Further describing my invention with reference to the drawings; A is the lower or body portion of a box, which is provided near its upper portion with the peripheral bead B. The latter may be of the usual form, but

I prefer to construct it with the upper part somewhat flattened, as shown at C. The upper part of the box body, above the bead, forms a rim D with substantially vertical sides. About this the cover F fits snugly so that the edge of the latter F' rests upon the bead throughout its greater portion, but for a small part of its circumference the edge of the cover is extended outwardly to form the lip G. This I prefer to provide for in the original form of the cover blanks. When these are cut from metal sheets there is a considerable amount of waste between the external curves of the cover blanks. By having the dies appropriately shaped the cover blank is given a small projection which is formed from such interstitial portion and this, when acted upon by the forming dies, provides the lip G at practically no additional cost for material or labor. The said lip should be turned upwardly and outwardly on the curve H, so as to leave a slight space I between the lower edge of the lip and the upper edge C of the bead. Into this space or slot the edge K of the key, shown in Fig. 4, or any other thin piece of metal, as the back of a knife blade, may be inserted, when a slight twisting motion will release the contact of the cover and suffice to remove it. When the same is to be replaced, by placing the edge furthest from the lip in position on the can rim and resting on the bead, the slanted inside of the top under the lip will act as a guide, and a slight pressure on the lid at the point L will restore the cover to its closed position. If preferred, the lip G may also be formed from a perfectly round disk, by turning the edge of the cover up for a slight distance. In this case a slot will be formed between the lip and the bead, but the lip will not project as far as when made in the manner first above described.

I claim and desire to secure by Letters Patent the following:

1. A box comprising a body portion having an annular bead struck out therefrom below the upper edge of the body, combined with a cover having a rim to fit over and inclose that portion of the body above the bead with its lower edge resting on the upper face of the bead, the said cover rim having a part thereof extended outwardly to form a lip, the said portion forming the lip being curved outwardly and downwardly, and then outwardly, whereby the free edge of the lip lies above and free from contact with the upper

face of the bead, the outward curving of the lip forming a space between the lip and the adjacent portion of the box body and the curved underneath face of the lip acting as a guide when placing the cover in position.

2. A box comprising a body portion having an annular bead struck out therefrom below the upper edge of the body, the said bead having a flat upper face, combined with a cover having a rim to fit over and inclose that portion of the body above the bead with its lower edge resting on the flat upper face of the bead, the said cover rim having a part thereof extended outwardly to form a lip, the said portion forming the lip being curved

outwardly and downwardly, and then outwardly, whereby the free edge of the lip lies above and free from contact with the flat face of the bead, the outward curving of the lip forming a space between the lip and the adjacent portion of the box body and the curved underneath face of the lip acting as a guide when placing the cover in position.

In witness whereof, I have hereunto set my hand, this 17th day of January A. D. 1907, in the presence of two subscribing witnesses.

PETER A. BLICHERT.

Witnesses:

C. K. CHAMBERLAIN,

A. S. PHILLIPS.