

(No Model.)

F. S. COLAS.

Provision and other Boxes and Cases.

No. 241,304.

Patented May 10, 1881.

Fig. 1

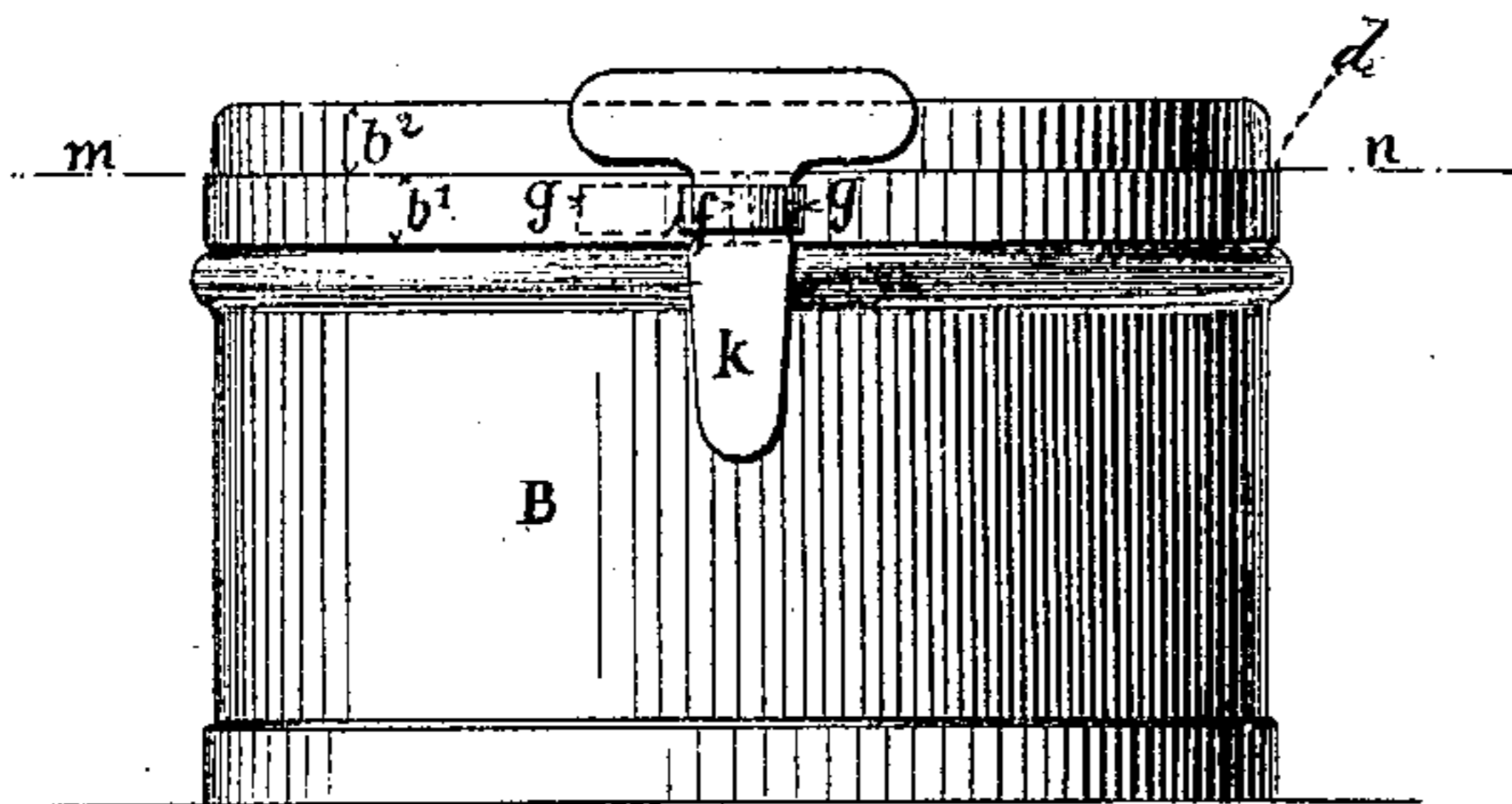


Fig. 2

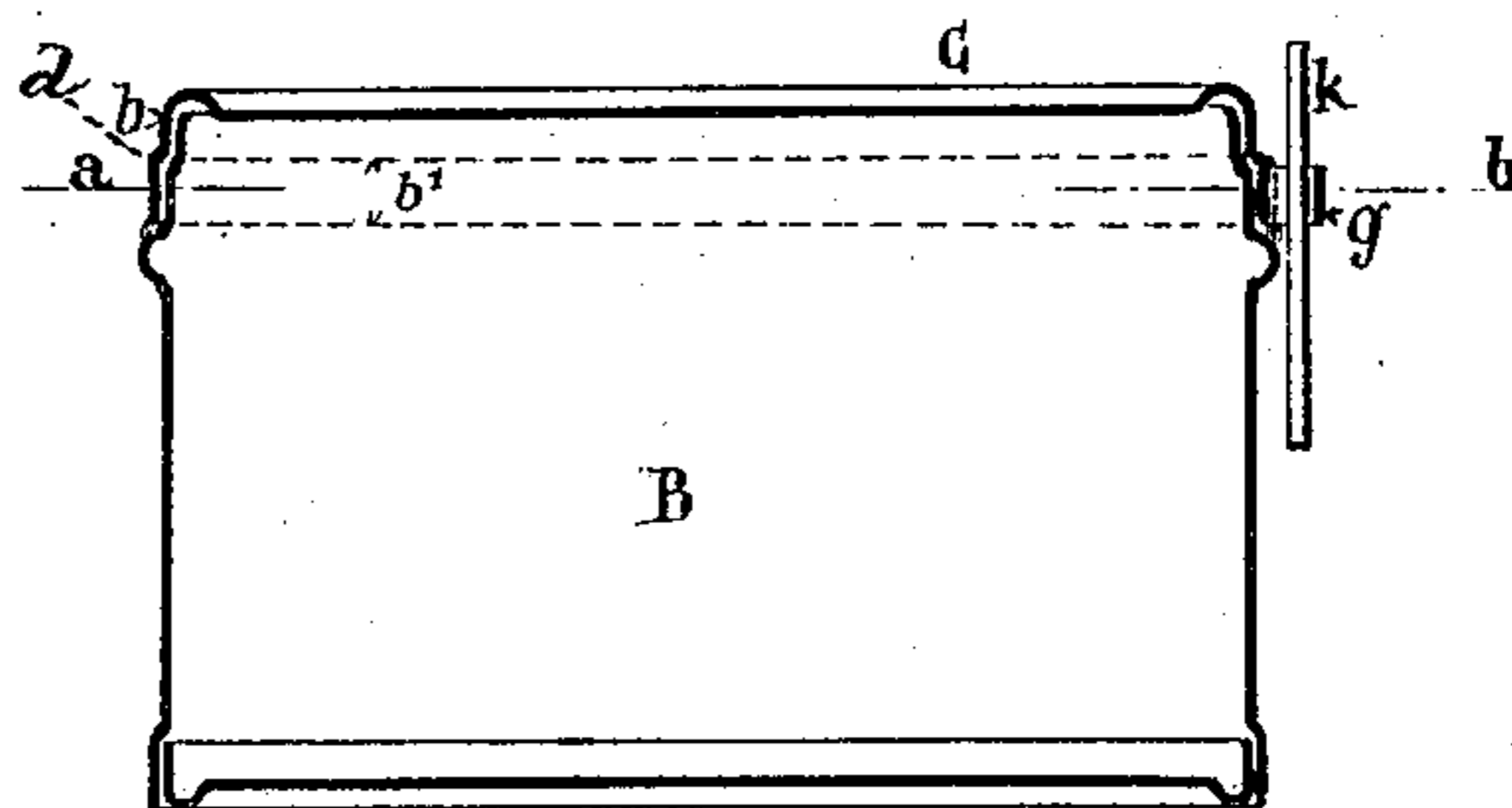


Fig. 4

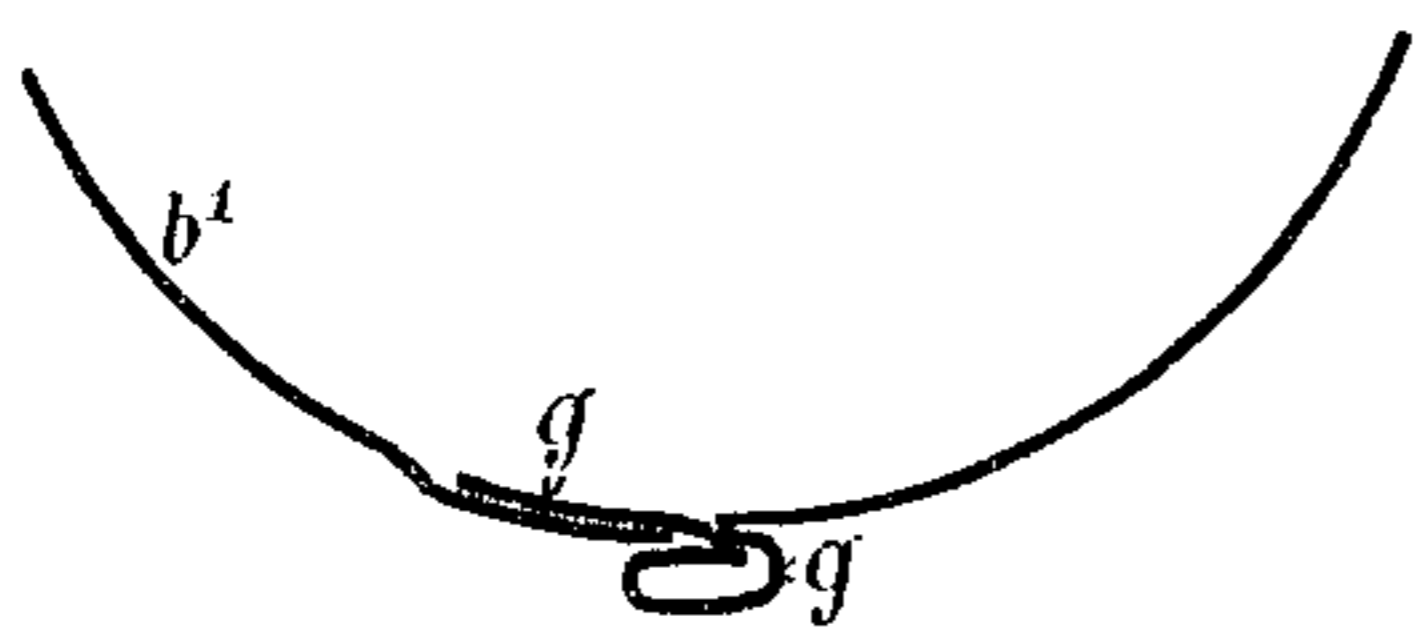


Fig. 3

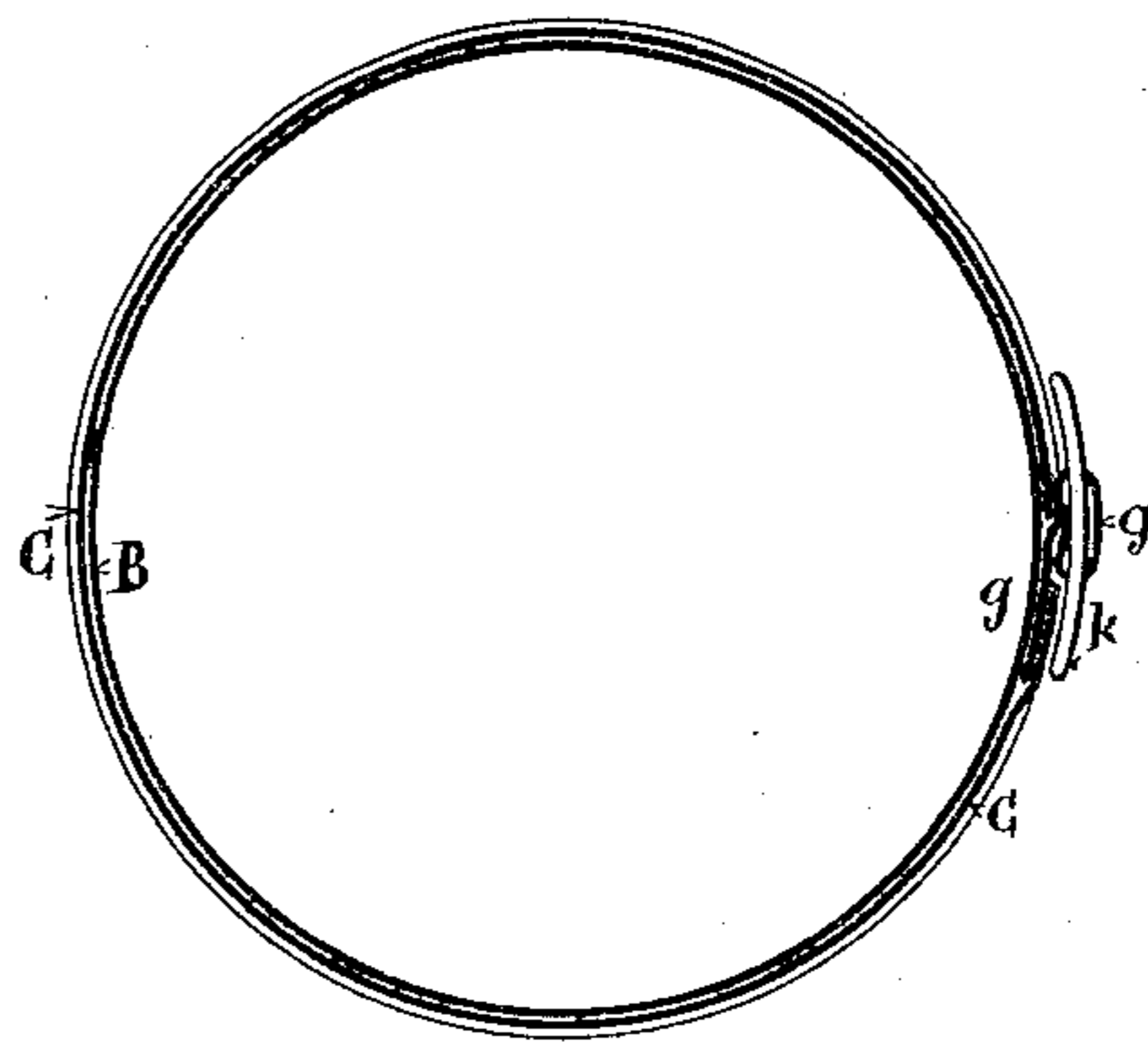


Fig. 6

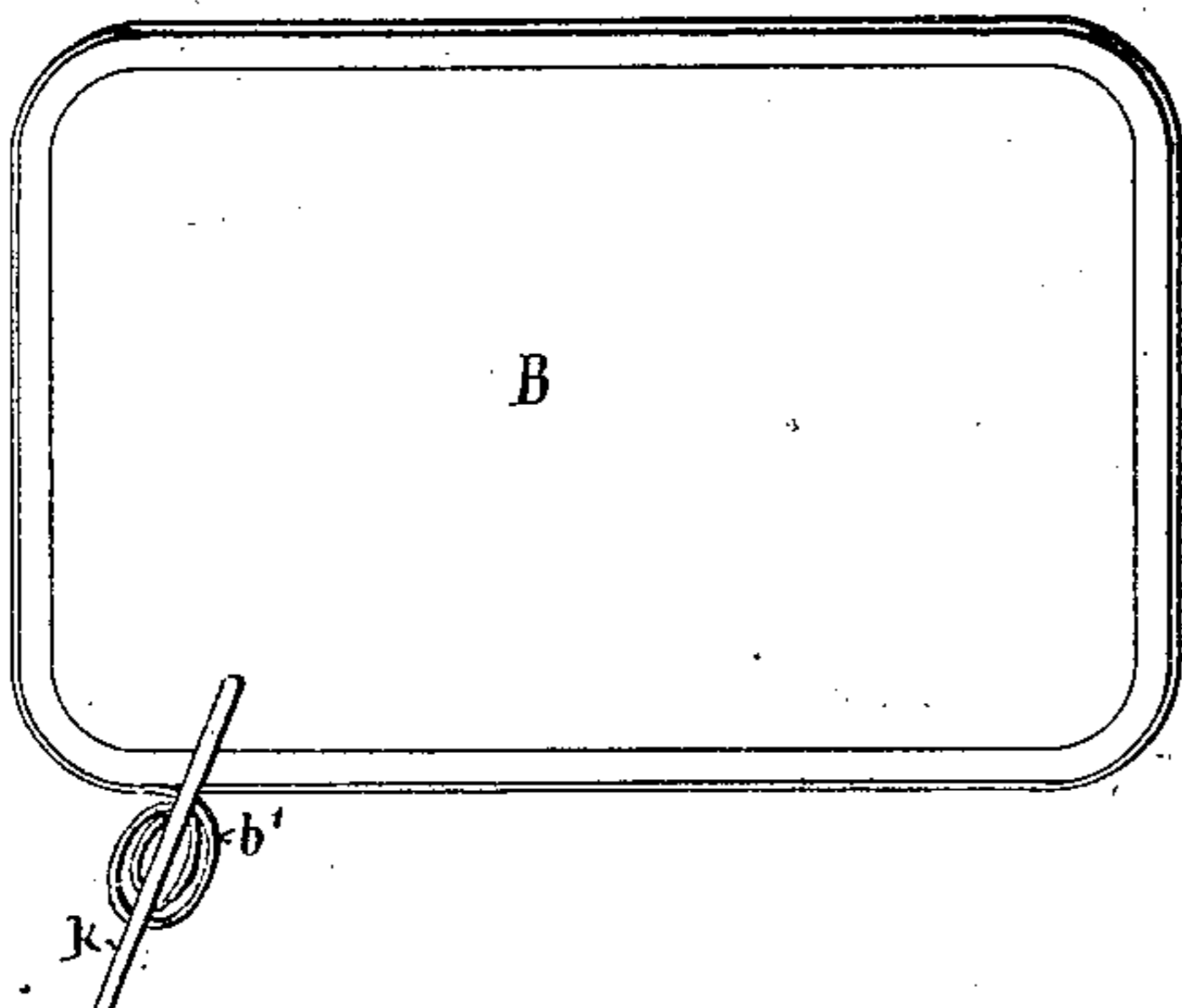
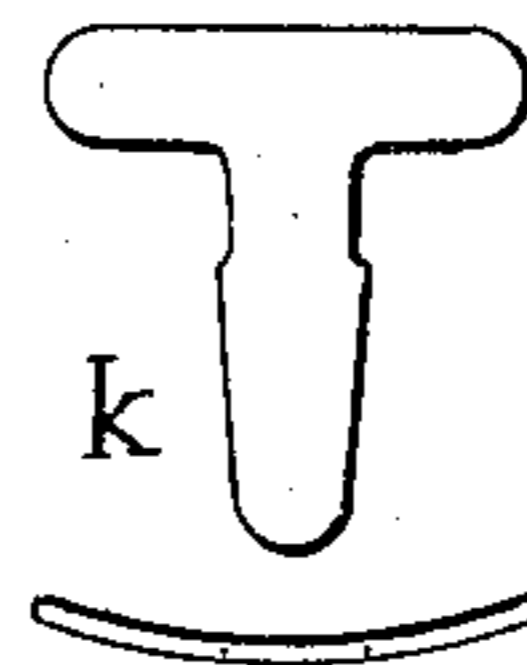


Fig. 5



Witnesses.  
J. A. Shumway.  
L. D. Rogers

Firmin Simon Colas  
Inventor  
By atty.  
John E. Earle

# UNITED STATES PATENT OFFICE.

FIRMIN S. COLAS, OF PARIS, FRANCE.

## PROVISION AND OTHER BOXES AND CASES.

SPECIFICATION forming part of Letters Patent No. 241,304, dated May 10, 1881.

Application filed January 19, 1881. (No model.) Patented in France October 14, 1880.

*To all whom it may concern:*

Be it known that I, FIRMIN S. COLAS, of Paris, France, have invented certain new and useful Improvements in Provision and other Boxes and Cases; and I do hereby declare the following to be a full, clear, and exact description of the same.

The class of air-tight boxes for preserving food, &c., represented in the drawings annexed to this specification, and which is the object of my present application for patent, is the best known for rapidity of construction, economy of use, and ease with which the box can be closed the moment it is filled with food or any other contents. The box can be opened without the least difficulty, either with the wrench or key accompanying the box, or with any similar instrument.

Figure 1 is an outside view of a box provided with the wrench or key for opening; Fig. 2, side in section; Fig. 3, transverse section following the line *a b* of Fig. 2; Fig. 4, transverse section of the cover detached; Fig. 5, wrench or key to be used with the box; Fig. 6, plan view of a rectangular box, showing the mode of opening.

*B* is the box; *C*, the cover having a rim or flange, *b*, to set down over the box. Midway of the rim *b*, I form a shoulder, *d*, on line *m n*, coming to an almost sharp angle. Through a slit made in the rim *b*, below the shoulder, I introduce a small strip of metal, which I solder, rivet, or clasp against the inside of the rim. (See Fig. 4.) On the outside this strip is rolled into a ring or loop shape, *g*, to receive the key or instrument for opening.

The key *k* is in the form of a **T**, Fig. 5. It

may be furnished with the box. In that case it is held in the loop *g*, as seen in Fig. 1.

The box *B* being filled and the cover *C* put on, the lower edge of the rim *b* is soldered to the box.

To open the box, I insert the end of the key *k*, or the point of any other similar instrument, into the loop *g*, and turn it, as shown in Fig. 6, which causes the rim *b* to tear at the shoulder and separate from the box by the twisting of the key. The torn-away part *b'* is wound upon the key, and the remaining part of the rim—that is, above where the tear is made—is enough to simply close the box should it be required to do so.

I am aware of United States Patent No. 187,216, and do not wish to be understood as claiming anything therein shown or described.

I claim—

The herein-described improvement in sealed boxes or cans, consisting in a cover constructed with a shoulder, *d*, in its rim, the lower edge of the rim soldered to the box, the part between the shoulder and the lower edge provided at one point with a loop, *g*, outside the rim for the insertion of the opening-instrument, substantially as and for the purpose described.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

FIRMIN SIMON COLAS.

Witnesses:

DAVID T. S. FULLER,  
ALBERT CAHEN.