

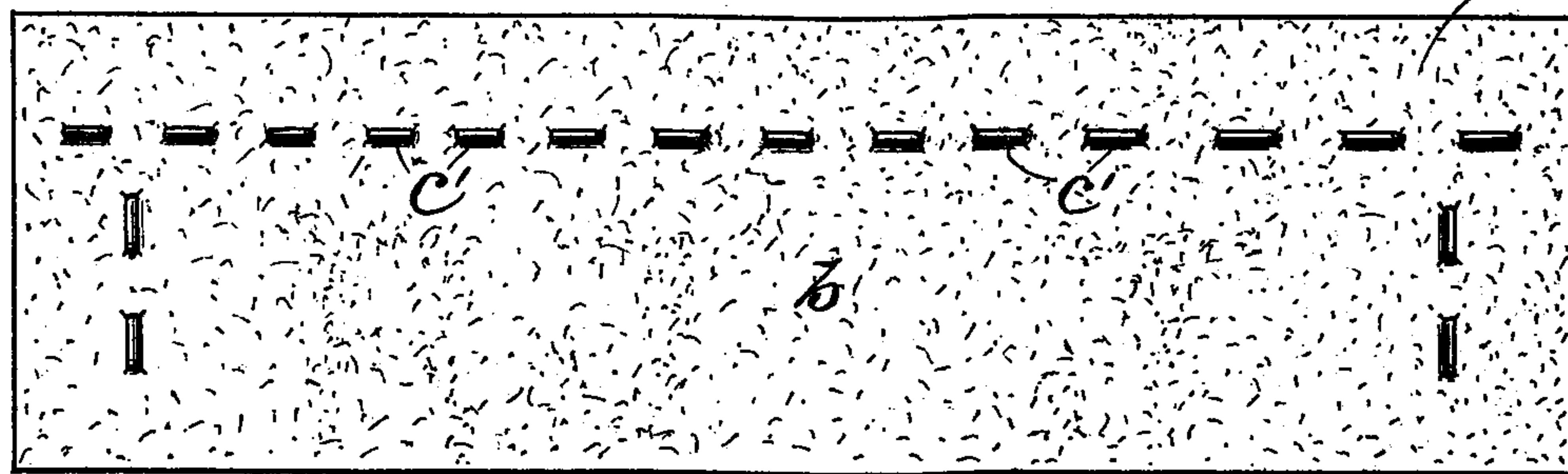
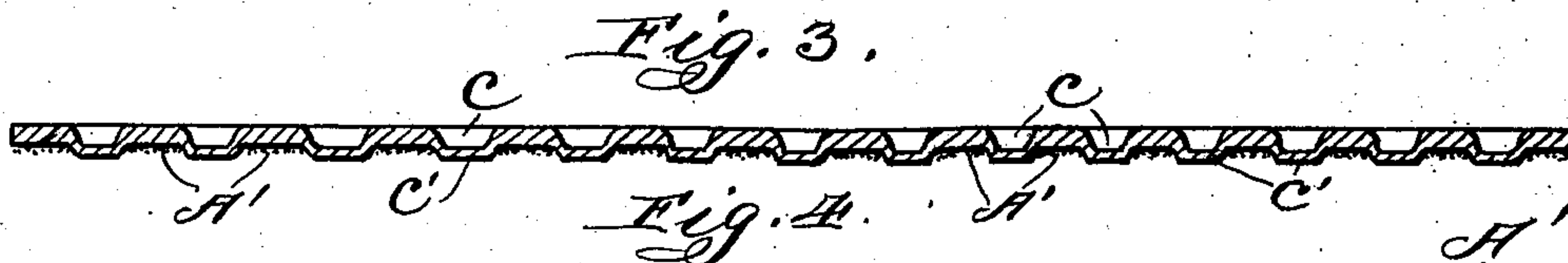
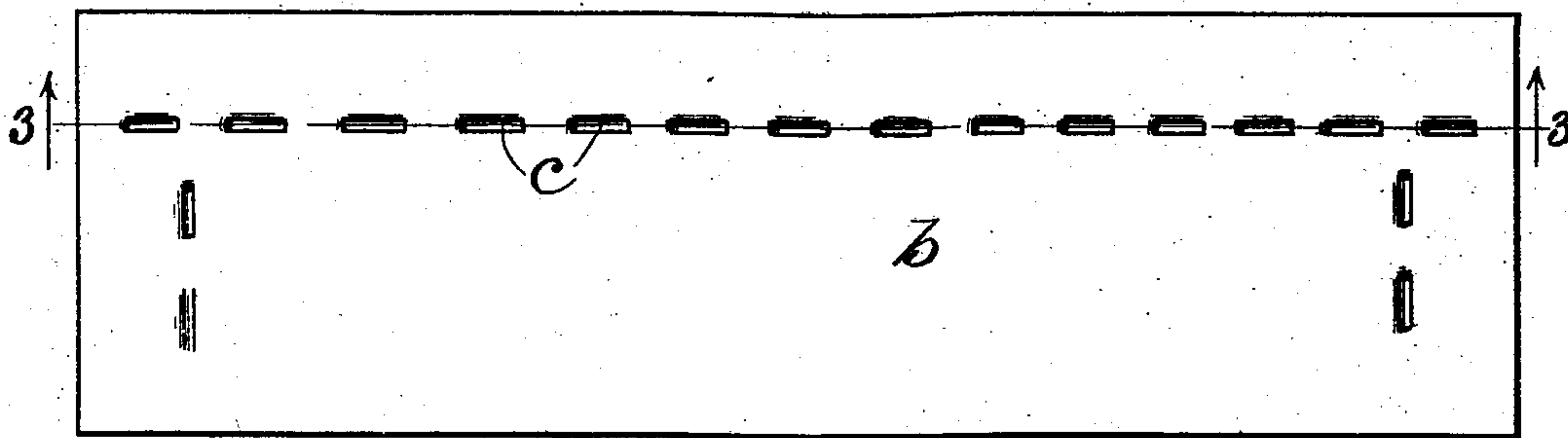
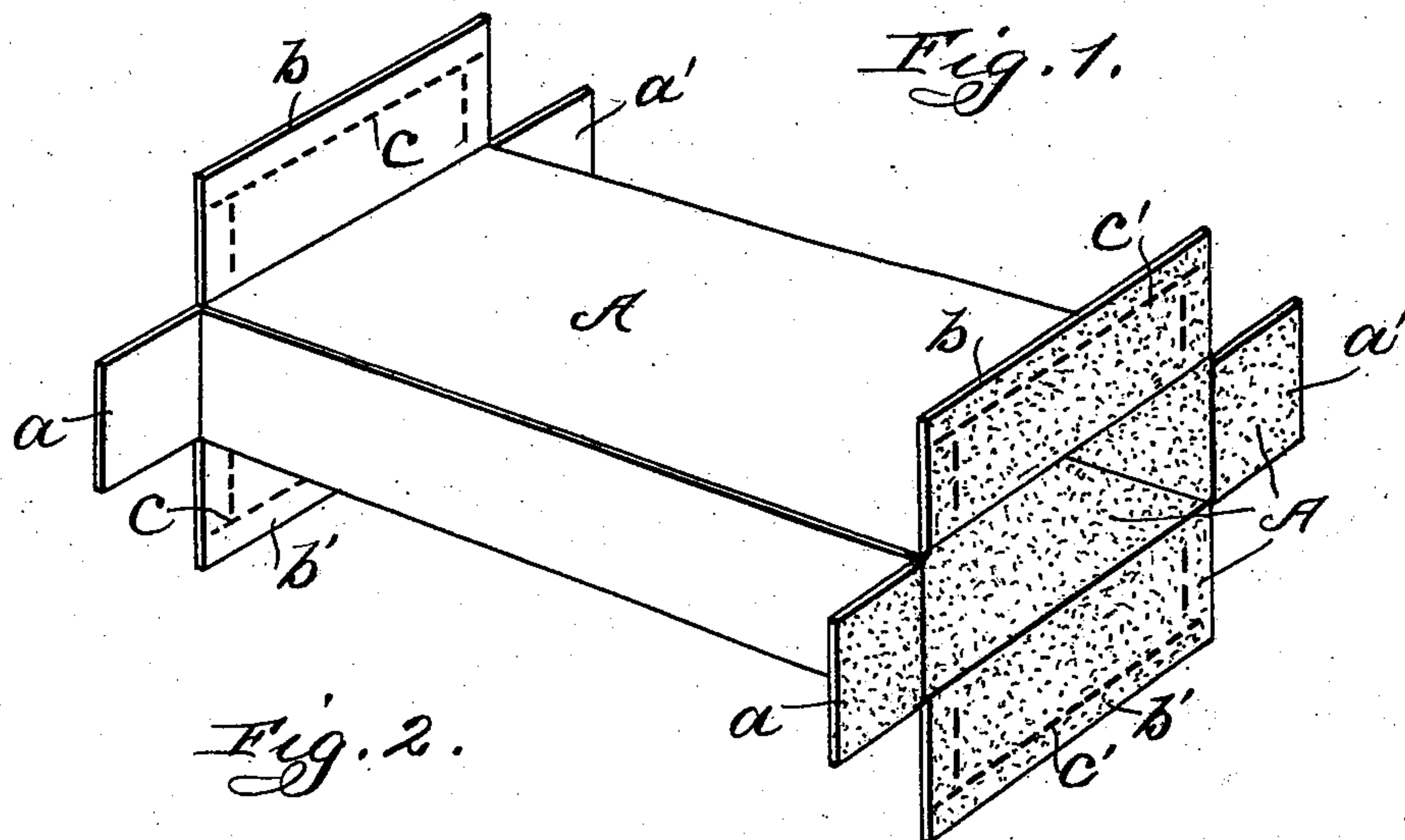
No. 689,663.

Patented Dec. 24, 1901.

W. J. WALKER.
BLANK FOR BOXES OR PACKAGES.

(Application filed Aug. 29, 1901.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

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BLANK FOR BOXES OR PACKAGES.

SPECIFICATION forming part of Letters Patent No. 689,663, dated December 24, 1901.

Application filed August 29, 1901. Serial No. 73,643. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. WALKER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Blanks for Boxes or Packages; 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.

My invention relates to blanks for boxes or packages which are adapted to be hermetically sealed, so as to prevent the deterioration of the contents thereof, and especially for boxes or packages which are provided with an inner coat or lining of paraffin or other similar substance to close the pores of the material or stock composing them. In forming boxes or packages of this kind the blanks from which they are made are usually cut from a large web or sheet of stock, providing a large number of blanks, and which has been previously coated on one side, as with paraffin, whereby one face of the blanks is entirely covered by a material to which glue, which is the sealing medium usually employed, does not readily adhere. In making up the blanks the glue does not adhere to the greased surface. It is inexpedient and impractical to coat the blanks after they are cut from the stock, as the coating is more conveniently and better applied to the stock while in the webs or sheets before the blanks are cut therefrom. It is also impractical in coating the webs or sheets to leave portions uncoated at proper intervals to provide places for the glue to adhere to the stock. It therefore becomes highly desirable and necessary to provide means whereby the uncoated stock of a prepared blank may be exposed to the action of the glue.

The object of my invention is to provide certain improvements in blanks for the above-described class of devices in which uncoated portions of the stock of the flaps may be exposed to the action of the glue through the coating, whereby the flaps comprising the ends of the box may be easily and readily secured together by glue or other sealing means,

so that the package or box may be hermetically sealed.

In carrying out my invention I take an ordinary blank of pasteboard or other stock from which the box or package is to be formed and which is coated on one side with paraffin or other suitable material, so that the blank when made up from this stock will provide a box or package paraffined throughout its interior, including the flaps, and roughen or score one or more of the flaps, so as to provide points or lines on the paraffined surface thereof which are free or clear of paraffin, whereby part of the stock of the flap is exposed to the adhesive action of the glue or other sealing medium.

In the accompanying drawings, forming a part of this specification and illustrating my invention, Figure 1 is a perspective view of a box or package with the flaps open, partially formed from a blank embodying my invention. Fig. 2 is a view, on an enlarged scale, of the underface of one of the end flaps. Fig. 3 is a section on line 3 3 of Fig. 2, and Fig. 4 is a view of the outer face of the flap of Fig. 2.

In forming boxes or packages from waxed or greased blanks of pasteboard or other stock cut to the proper shape and dimensions adapted to make boxes of the desired configuration and having two sets of flaps to be folded in one upon the other a blank—such, for example, as shown at A in the drawings and having a coating A' of paraffin or similar material—is provided with two edge flaps *a a'* and two end flaps *b b'*, which under ordinary conditions are all provided with the coating or inner lining of paraffin or other equivalent material by reason of the fact that the blanks are cut from a paraffined web or sheet.

When a box is formed from a blank of the above type, the edge flaps are folded in to form the bottom in the usual manner, and when it is desired to seal the package it is usual to employ a coating of glue on the outer surface of these flaps, by which the end flap *b* or *b'*, as the case may be, which is folded down thereon will be secured and sealed in place. The outer or upper face of this end flap is likewise provided with a simi-

lar coating of sealing material, which in turn secures the other end flap in place to close the box. The glue or other sealing medium employed does not readily adhere to the waxed or greased surfaces, and in order to provide a surface to which the glue will adhere, so that the ends may be readily and easily sealed or glued, it is necessary to provide means whereby the glue may come in contact with portions of the unparaffined stock comprising the flaps. For this purpose I score or indent the side flaps after the coating has been applied from their outer sides, so as to roughen the paraffined side and cause the unparaffined paper or stock to protrude through the indentations. The glue will adhere to the uncoated stock and securely hold the flap in position. As shown in the drawings, the end flaps are provided with roughened or indented portions *c*, extending through the coating, through which the stock *c'* of the flap protrudes or projects, whereby uncoated surfaces are exposed to the action of the glue. This effect may be produced in any suitable manner and by any device, such as a scoring machine or tool or by projections on the die which cuts the blanks.

It is understood that in practice each set of end flaps is provided with the unparaffined portions and that these stock-surfaces or uncoated projections may be in any desired ar-

angement, such as points or a continuous line. If desired, only one of the side blanks may be so provided—as, for example, the one that occupies the outer position or is last folded over.

My invention is designed to be applied to and embodied in any form or configuration of blank having a lining or coating wherein glue or sealing medium is to be employed in contact with the coated surface of one or more end flaps.

Having described my invention, I claim as new and desire to secure by Letters Patent—

1. A blank for boxes or packages having an inner adhesive-resisting coating and provided with overlapping flaps, the material of one or more of the flaps being roughened after coating to expose uncoated stock on the coated side thereof.

2. A blank for boxes or packages having end flaps adapted to overlap and a coating of wax on its inner face, the side flaps being scored or indented after coating from their outer sides to cause portions of the stock to protrude through the coating.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM J. WALKER.

Witnesses:

BURKE WALLIS,

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