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PATENTED NOV. 15, 1904.

D. EISENHARDT & G. STOEHR.

PAPER BOX.

APPLICATION FILED MAY 5, 1904.

NO MODEL.

Fig. I.

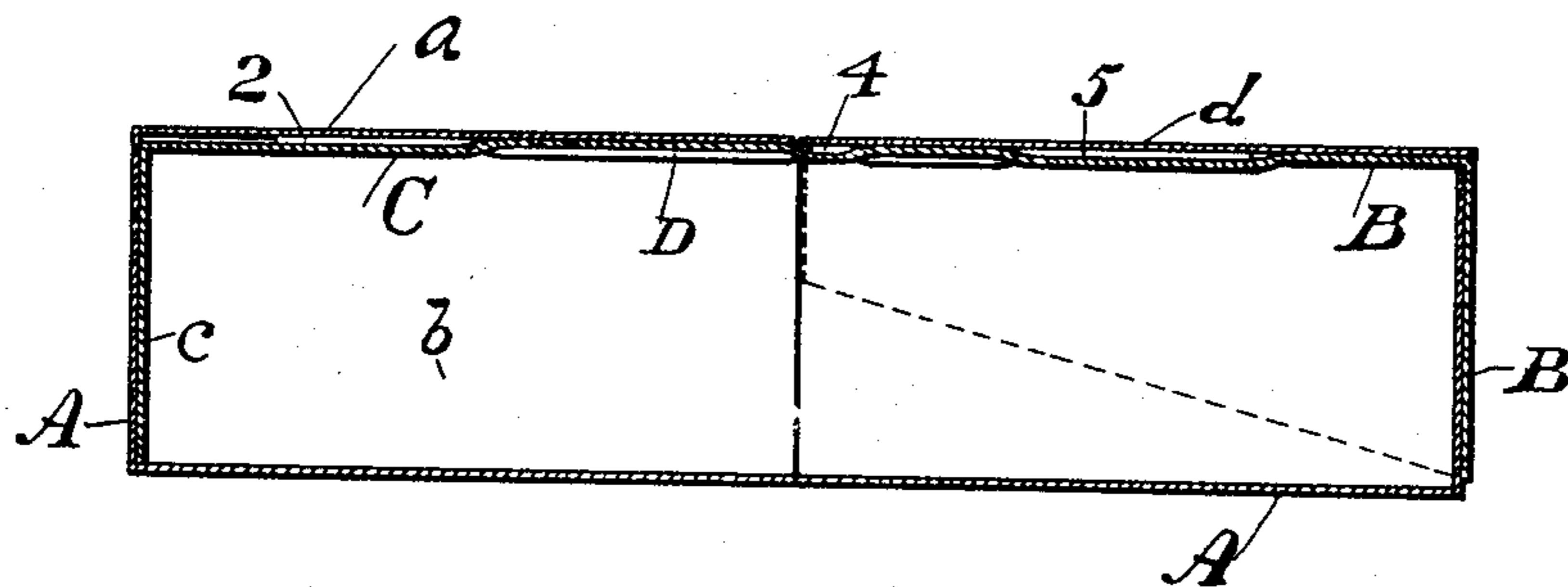


Fig. II.

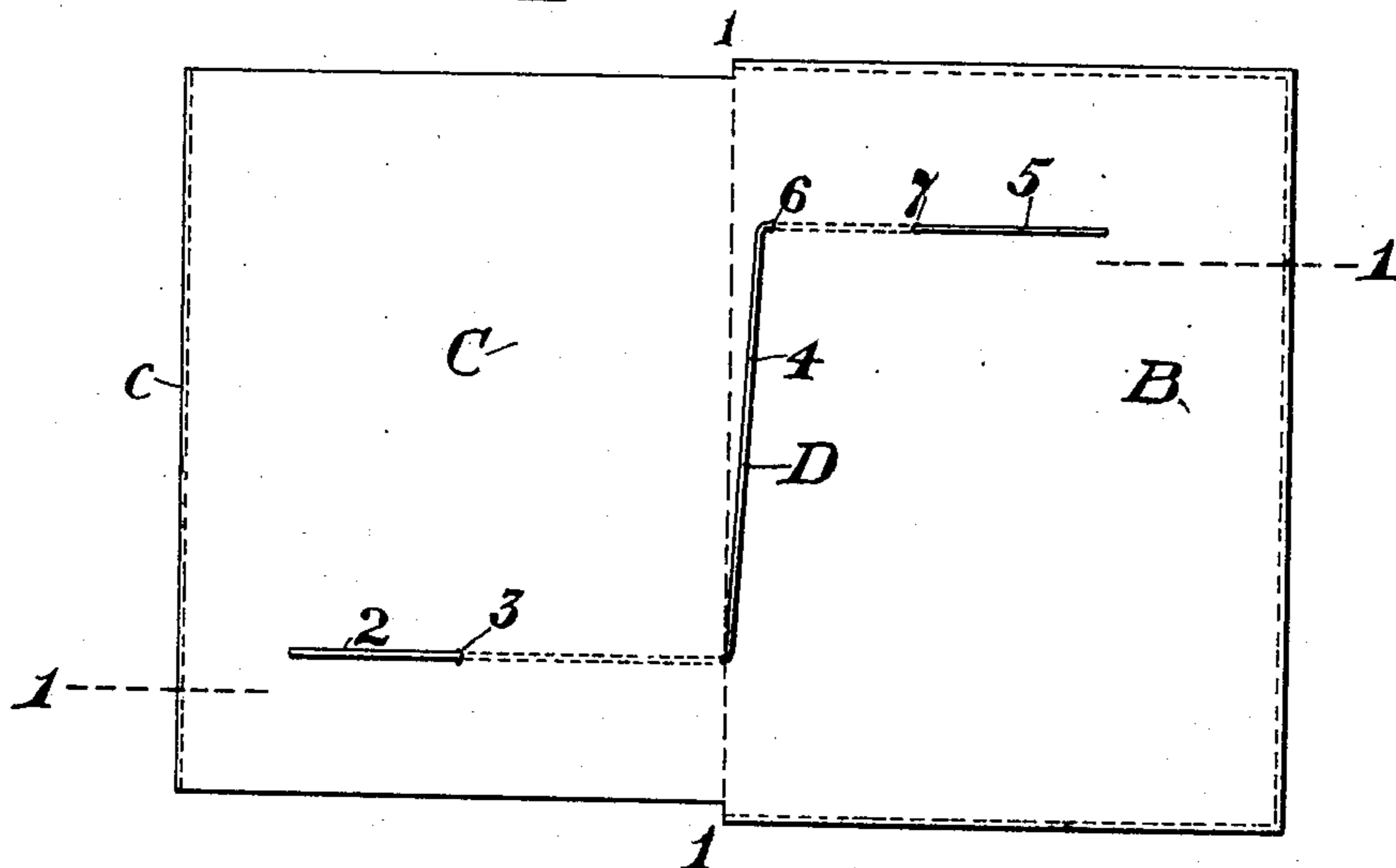
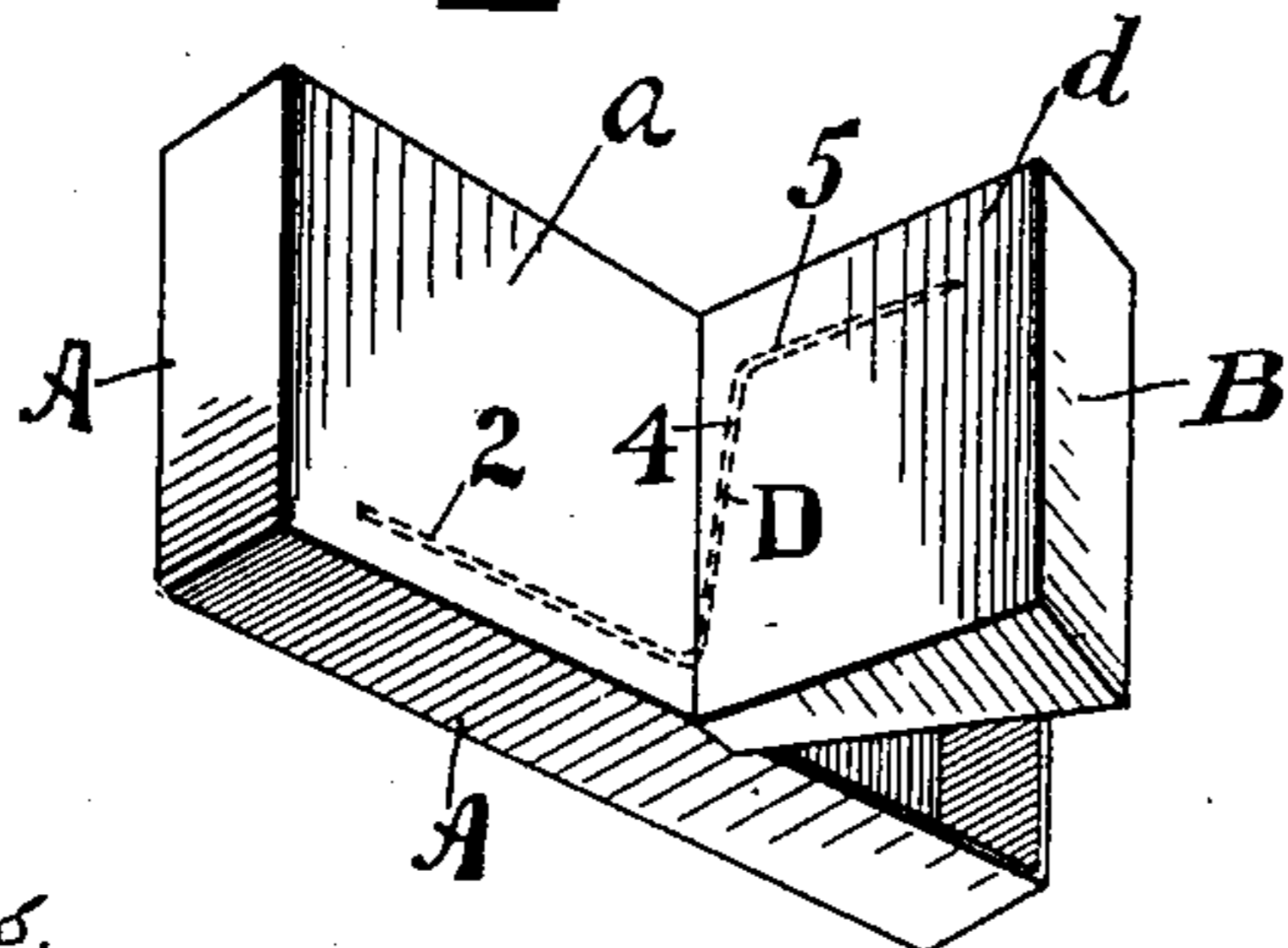


Fig. III.



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DAVID EISENHARDT AND GEORGE STOEHR, OF NEW YORK, N. Y.

PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 774,981, dated November 15, 1904.

Application filed May 5, 1904. Serial No. 206,493. (No model.)

To all whom it may concern:

Be it known that we, DAVID EISENHARDT and GEORGE STOEHR, both citizens of the United States of America, and both residing
5 at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Paper Boxes, of which the following is a specification.

Our invention has reference to improve-
10 ments in paper or cardboard boxes, and particularly to those known in commerce as "snap" or "trap" boxes—that is to say, boxes provided with a snap or trap having sides and a front adapted to overlap the box proper
15 from above and provided with means for closing the snap or trap upon its release after being opened and for holding it closed under ordinary circumstances. Heretofore the snaps or traps of boxes of this nature have been
20 drawn toward the body by elastic bands of rubber; but it has been found that these rapidly deteriorate and become useless and are generally in the way of the articles to be inserted or removed.

25 The objects of our invention are, first, to provide a strong and durable box, and, secondly, to make use of a metallic spring, which is so arranged as not to interfere in any way with the insertion or removal of the contents
30 of the box and which will last as long as the box.

The nature of our invention will best be understood when described in connection with the accompanying drawings, in which—

35 Figure 1 represents a longitudinal section taken on the line 1 1, Fig. 2, of a snap or trap box embodying our invention. Fig. 2 is a plan or top view of the snap or trap and the parts appertaining thereto. Fig. 3 is a perspective view, on a smaller scale, showing the
40 snap or trap held open against the action of the spring.

Similar letters and numerals of reference designate corresponding parts throughout the
45 several views of the drawings.

Referring now to the drawings, the letter A designates the body of the box, generally made rectangular in form and provided with a partial covering *a*, usually made integral with
50 the box and provided with side flaps *b*, ex-

tending downwardly into the interior of the body of the box and resting upon the bottom of the box. This partial covering usually extends about half the body of the box, and heretofore the snap or trap B has been di- 55 rectly hinged thereto in a manner customary in the manufacture of paper boxes. According to our invention we provide the snap or trap with a rearward extension C, having a downwardly-turned rear flap *c*, and to which 60 extension C the snap or trap may be hinged, or the flap and extension are in one piece, as shown, and the hinge formed by a score-line 1 1.

D is a spring comprising a longitudinal 65 member 2, made fast to the extension C by passing the same upwardly through a perforation 3 therein, a second member 4, extending transversely either along the line of the score 1 1 or, preferably, at an angle to the 70 same over the top of the snap or trap, and a third member 5, which passes downwardly through a perforation 6 and then upwardly through a perforation 7, thus securing it to a snap or trap. It will readily be understood 75 that the spring so constructed and arranged tends to hold the snap or trap downwardly upon the body of the box.

The extension C, with downwardly-turned rear flap *c*, is inserted into the body of the box 80 beneath the partial covering, as shown in Fig. 1, the rear flap *c* falling against the rear of the body of the box A and the extension C bearing against the partial covering *a*. The partial covering *a* therefore hides the exposed 85 portion of the spring D above the extension C. The exposed portions 4 and 5 of the spring contained within the snap or trap are covered by a special sheet *d* of heavy paper or card- 90 board.

The several parts of the box are held together, as usual, by suitable corner-strips and the usual paper covering, as common in paper boxes, and need not more fully be described here, with the exception that the paper cover 95 is preferably also caused to hold the covering-sheet *d* to the top of the snap or trap.

What we claim as new is—

1. In a snap or trap box, a box-body having a partial covering, a snap or trap provided 100

with a rearward extension having an end flap and adapted to be passed beneath the partial covering to bring the end flap against the end of the box-body and a spring holding said snap or trap to the box-body, substantially as described.

2. In a snap or trap box, a box-body having a partial covering, a snap or trap provided with a rearward extension having an end flap and adapted to be passed beneath the partial covering to bring the end flap against the end of the box-body and a spring having longitudinal members connected with the snap or trap and with the rearward extension, and a transverse member, substantially as described.

3. In a snap or trap box, a snap or trap having a rearward extension to which it is hinged, and a spring in wire form attached at one end to the rearward extension and extending on its lower side toward the line of hinging, said spring then passing upwardly and transversely across the snap or trap substantially on the line of hinging and then downwardly through

the snap or trap, and then longitudinally, and having its end attached to the snap or trap; the two limbs of the spring thus being on one side of the snap or trap and the transverse body on the other.

4. In a snap or trap box, a snap or trap with a hinged extension, a spring made of wire, one end of which is secured to the extension in proximity to one outer edge, the other end secured to the top of the snap in proximity to its outer edge on the opposite side, and the middle part running transversely substantially along the line of the hinge, and a covering for the top of the snap or trap for concealing the spring.

In testimony whereof we have hereunto set our hands in the presence of two subscribing witnesses.

DAVID EISENHARDT.
GEORGE STOEHR.

Witnesses:

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RAENA H. YUDIZKY.