

(No Model.)

W. LANG.
BOX FASTENER.

No. 256,224.

Patented Apr. 11, 1882.

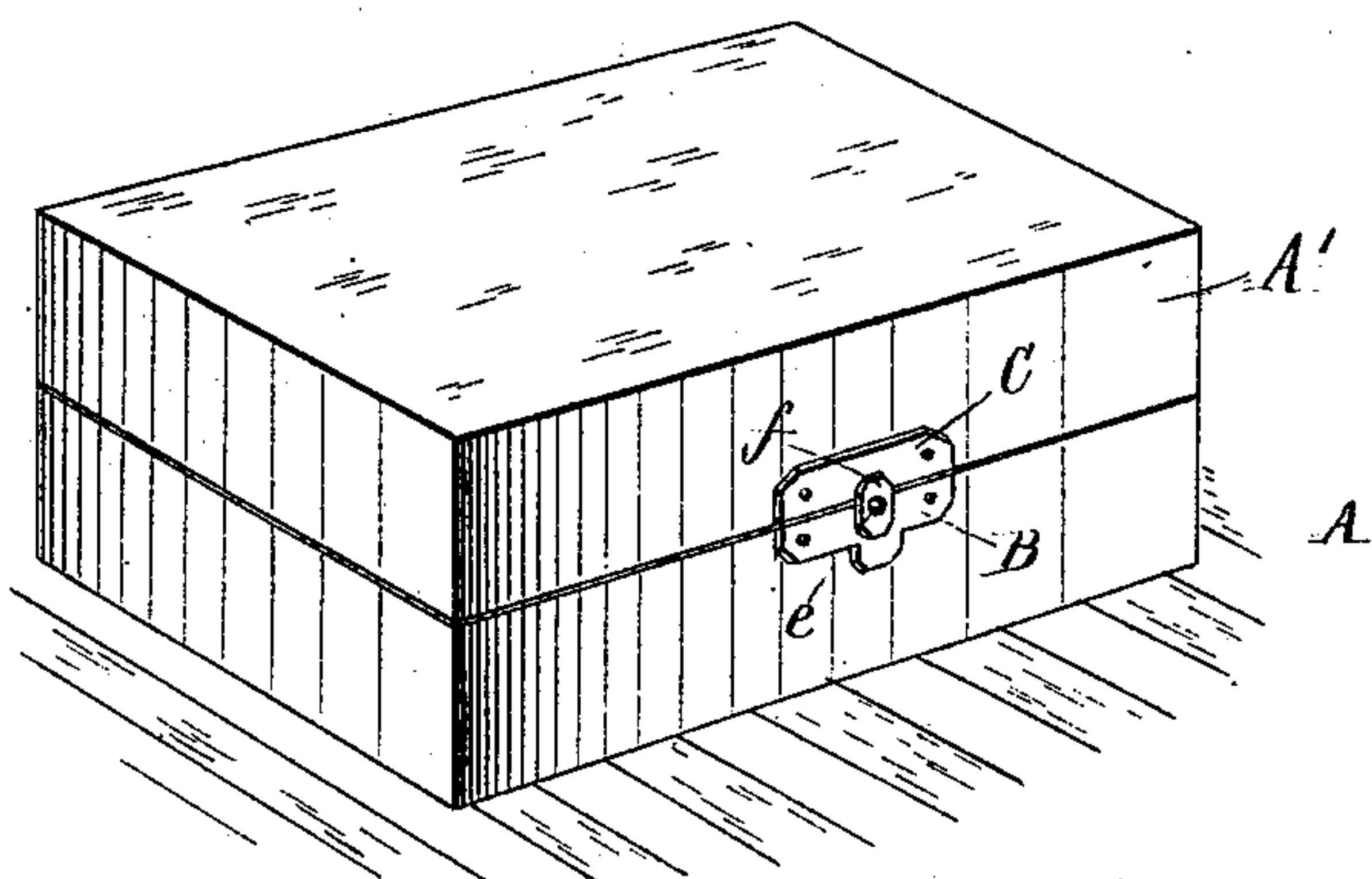


Fig 1.

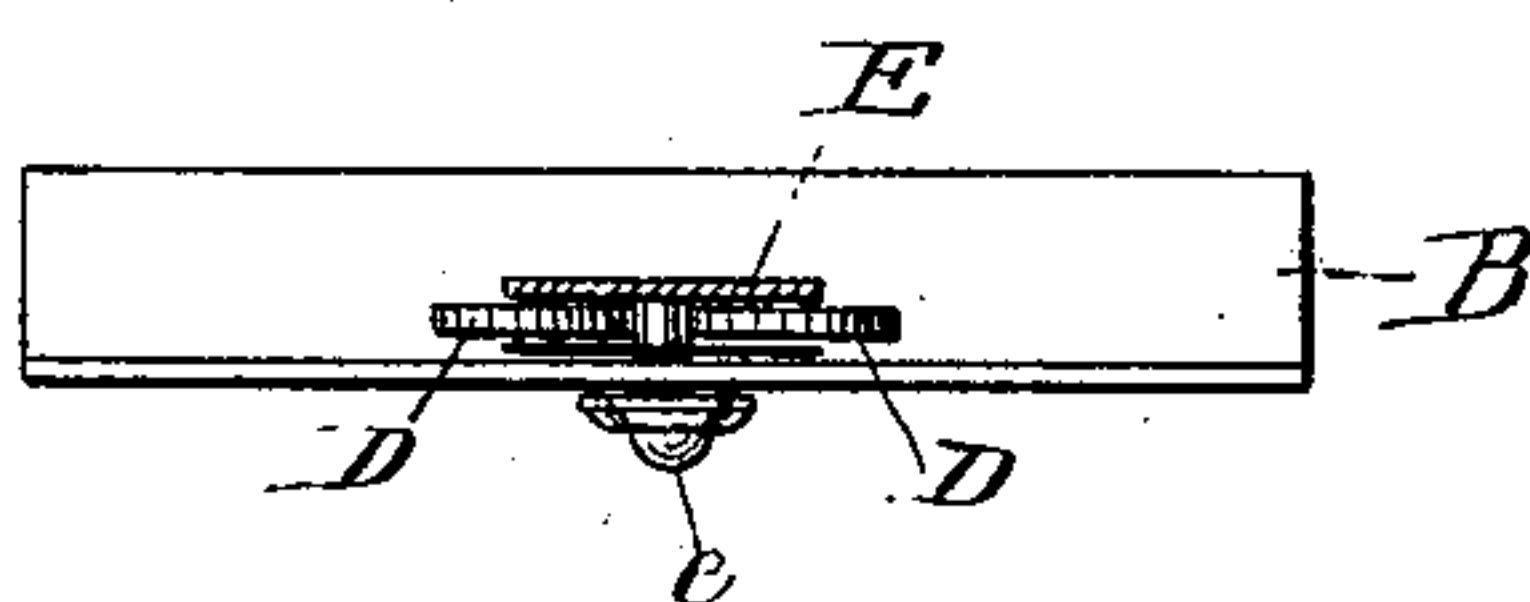


Fig 2.

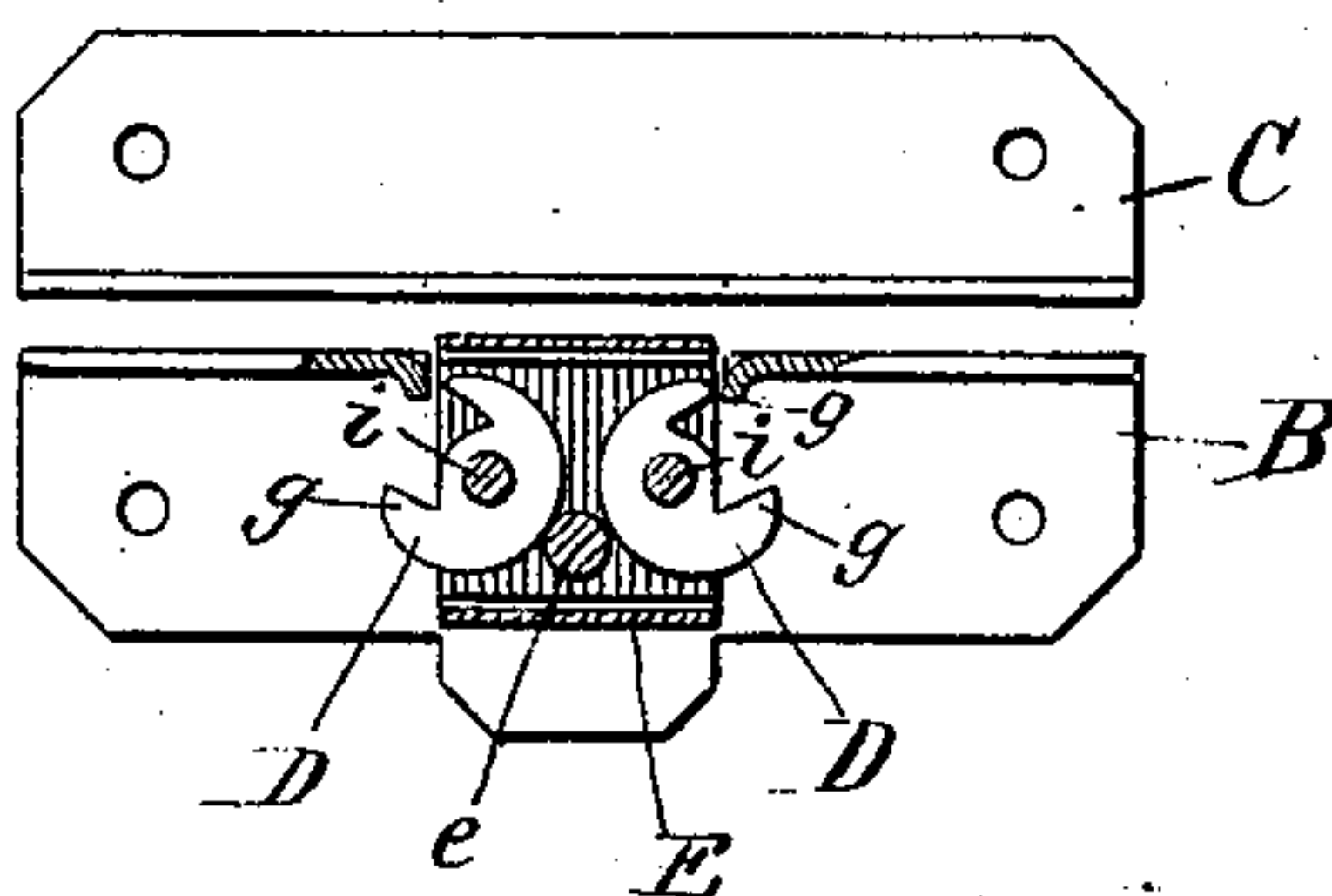


Fig 3.

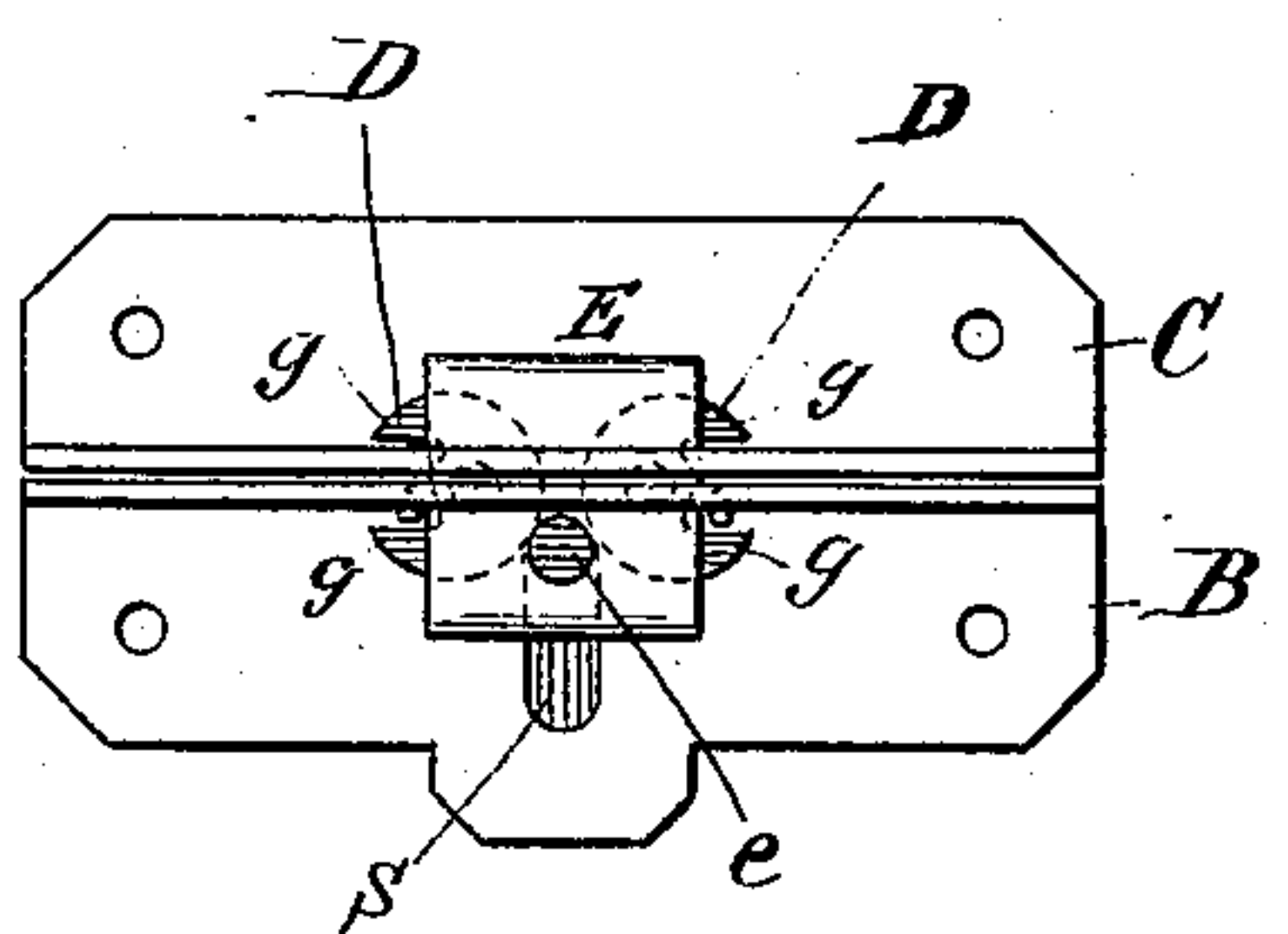
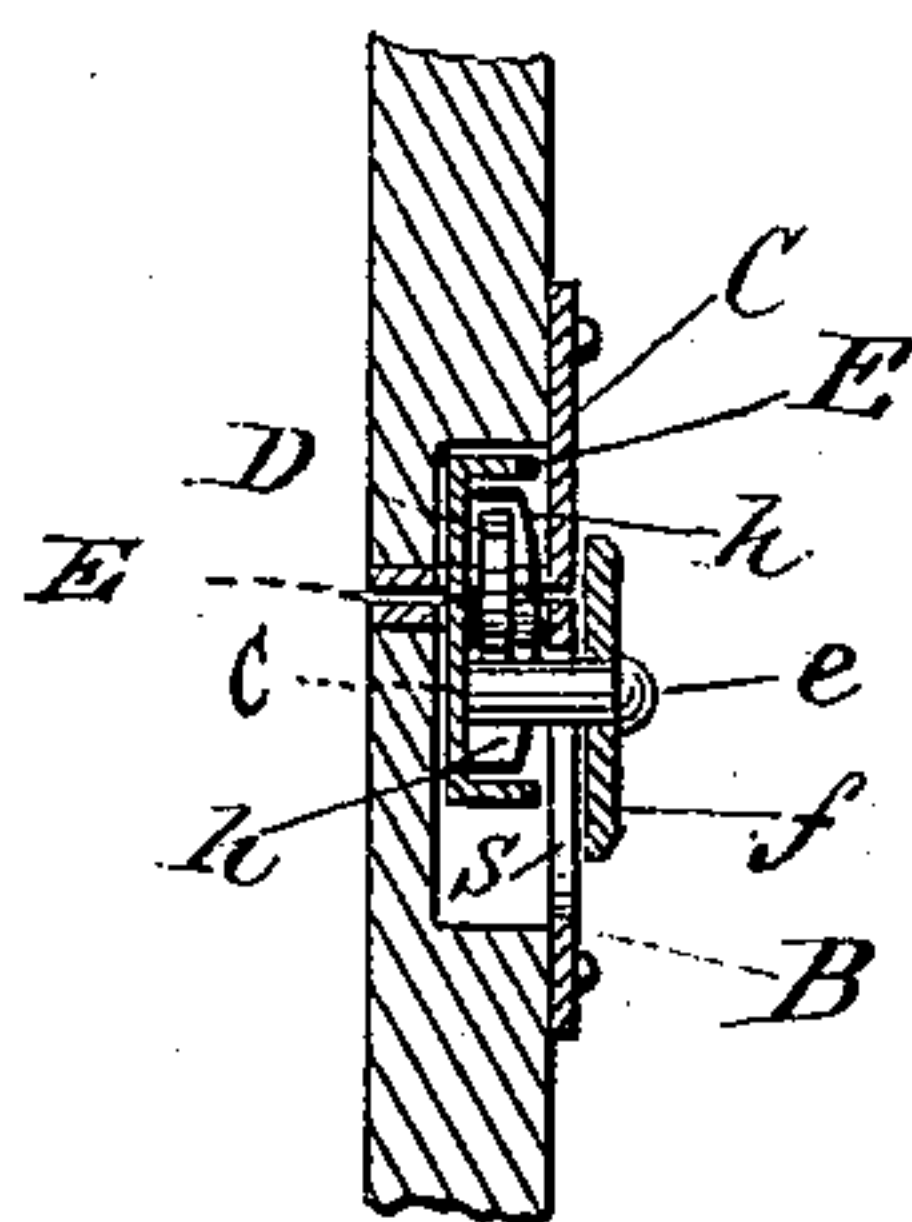


Fig 4.



WITNESSES:

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Fig 5. INVENTOR
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WILLIAM LANG, OF BROOKLYN, NEW YORK.

BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 256,224, dated April 11, 1882.

Application filed January 19, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM LANG, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Clasps for Boxes, of which the following is a specification.

This invention relates to an improved clasp or lock for fancy boxes of all kinds; and it consists of a sliding plate or casing and pivoted locking-pawls, which enter into a recess of the flanged plate of the lid by the upward motion of the plate, being withdrawn by the downward motion of the same.

In the accompanying drawings, Figure 1 represents a perspective view of a box provided with my improved locking-clasp. Fig. 2 is a top view of the lock, partly in section, shown in closed position. Figs. 3 and 4 are rear elevations of the same, showing it respectively in open and closed position; and Fig. 5 is a vertical transverse section, also in closed position.

Similar letters of reference indicate corresponding parts.

My improved lock for fancy boxes resembles to some extent the well-known piano-lock in so far as locking-bolts are thrown out, so as to engage a recessed plate of the lid. In the piano-lock a key actuates the bolts, while in my improved lock an exterior slide-plate serves to throw out or withdraw the bolts.

The locking-bolts are arranged in connection with a flanged plate, B, which is applied to the body A of the box below a similarly-flanged plate, C, applied to the lid A'. The locking-bolts D D are pivoted to a plate or casing, E, which is connected by a pin, e, with a front slide-plate, f, said pin moving in a slot, e, of the flanged plate B. The locking-bolts are made in the shape of segments with projections g, one at each side of the pivot i, so

that by the upward motion of the slide plate f the upper projections, g, are first passed through the recess of the plate C, applied to the lid A', and then thrown by the action of the flanged plate B of the body A in opposite directions over the flange of the lid-plate C. By pushing the slide-plate f downward the locking-bolts are withdrawn by the reverse operation of the projections g. To secure the steady motion of the slide-plates and locking-bolts, the casing or plate E, to which the locking-bolts are applied, is preferably acted upon by a friction-spring, h, which is interposed between the flanged plate B of the bottom and the plate E, as shown clearly in Fig. 5, in which the spring h is made flanged and concave. The simple up and down motion of the actuating slide-plate sets the lock into closed or open position, so that a very convenient and neat lock for jewelry and fancy boxes is obtained.

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

The combination of the slotted flanged plate B, attached to the body A, the recessed flanged plate C, attached to the lid, the interior slide-plate, E, the segmental locking-bolts D, pivoted thereto, and the actuating slide-plate f, which is connected to the interior slide-plate, whereby the upward or downward movement of the actuating-plate opens or closes the lock without the use of a key, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

WILLIAM LANG.

Witnesses:

PAUL GOEPEL,
CARL KARP.