

2 Sheets—Sheet 1.

RESHIPPING PACKING BOX.

Patented Mar. 11, 1884.

Fig. 1.

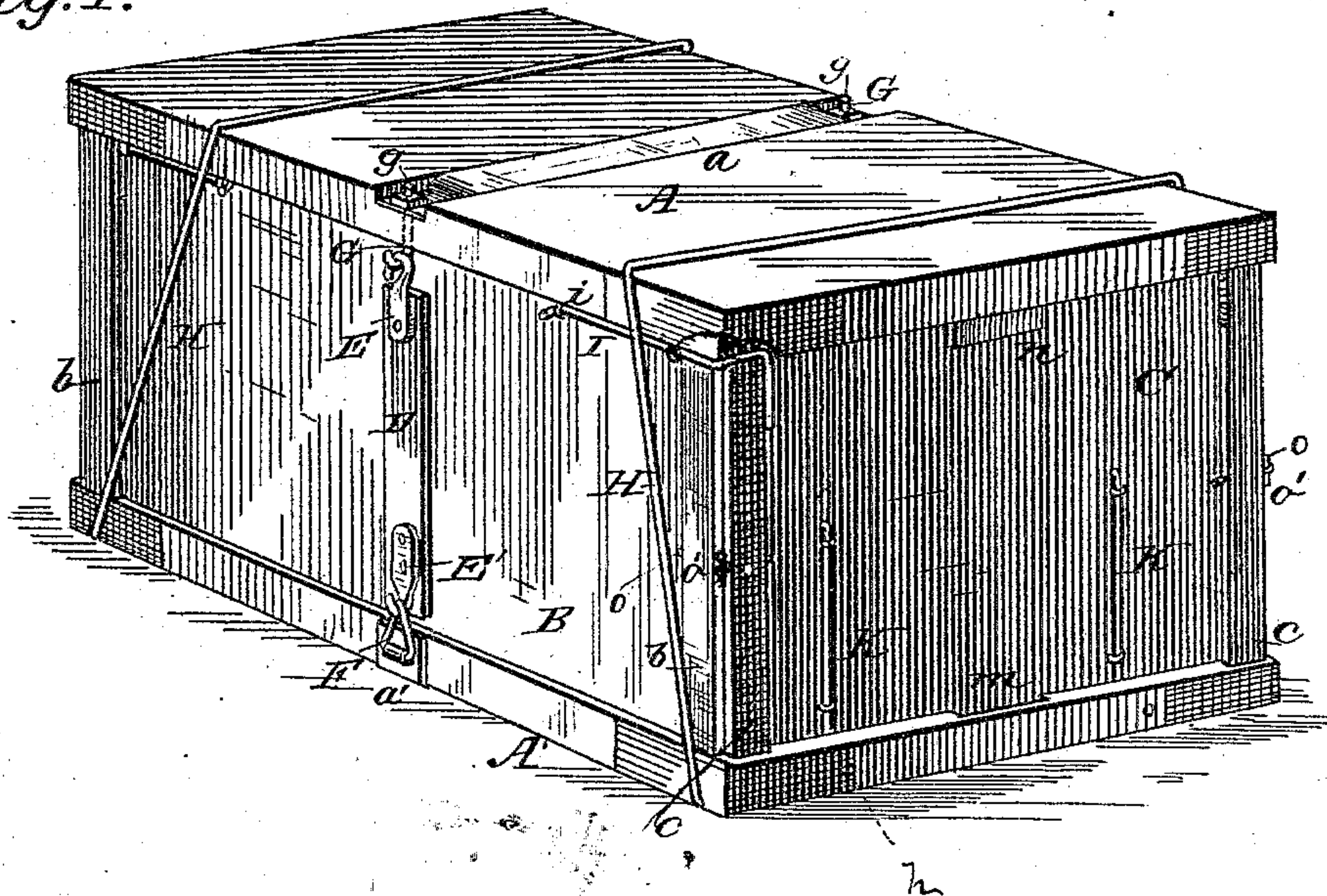


Fig. 2

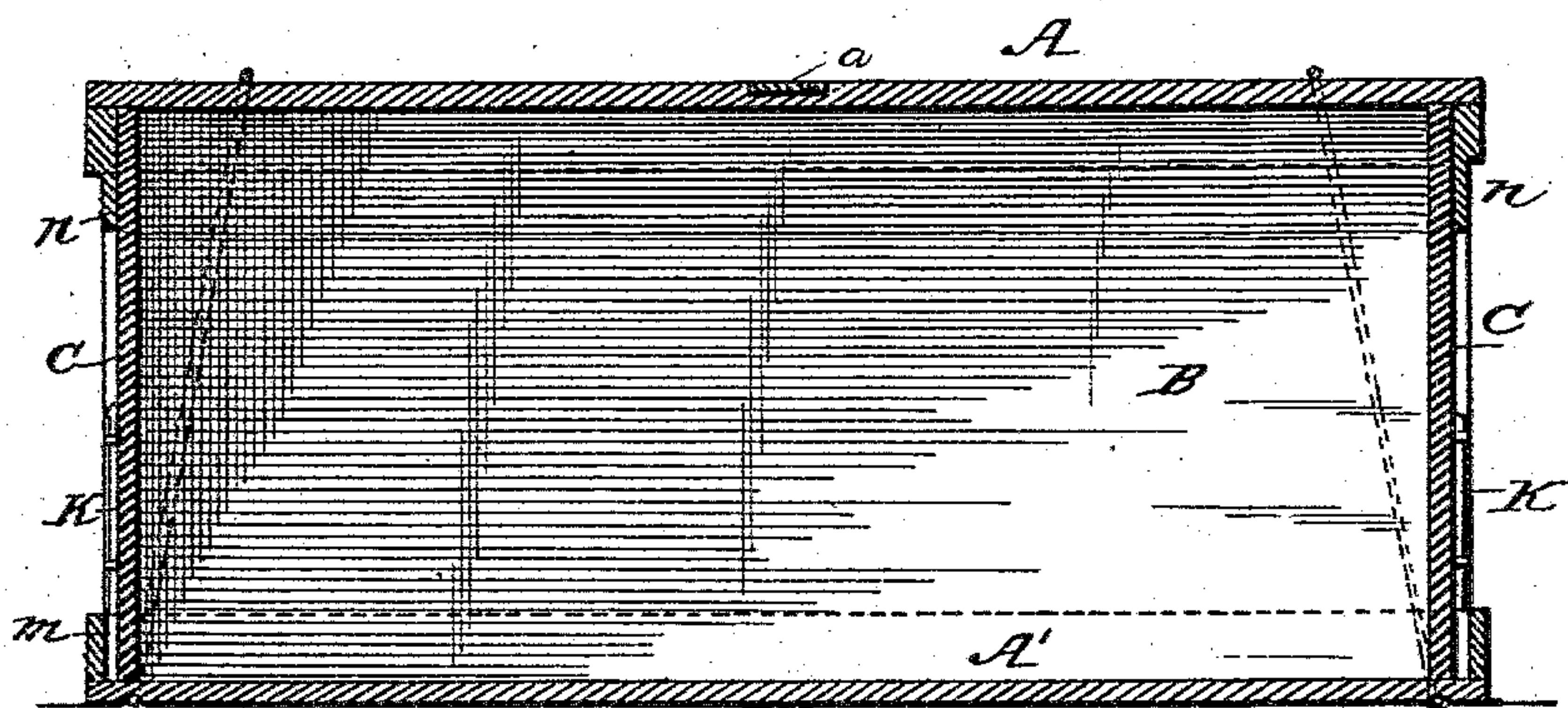
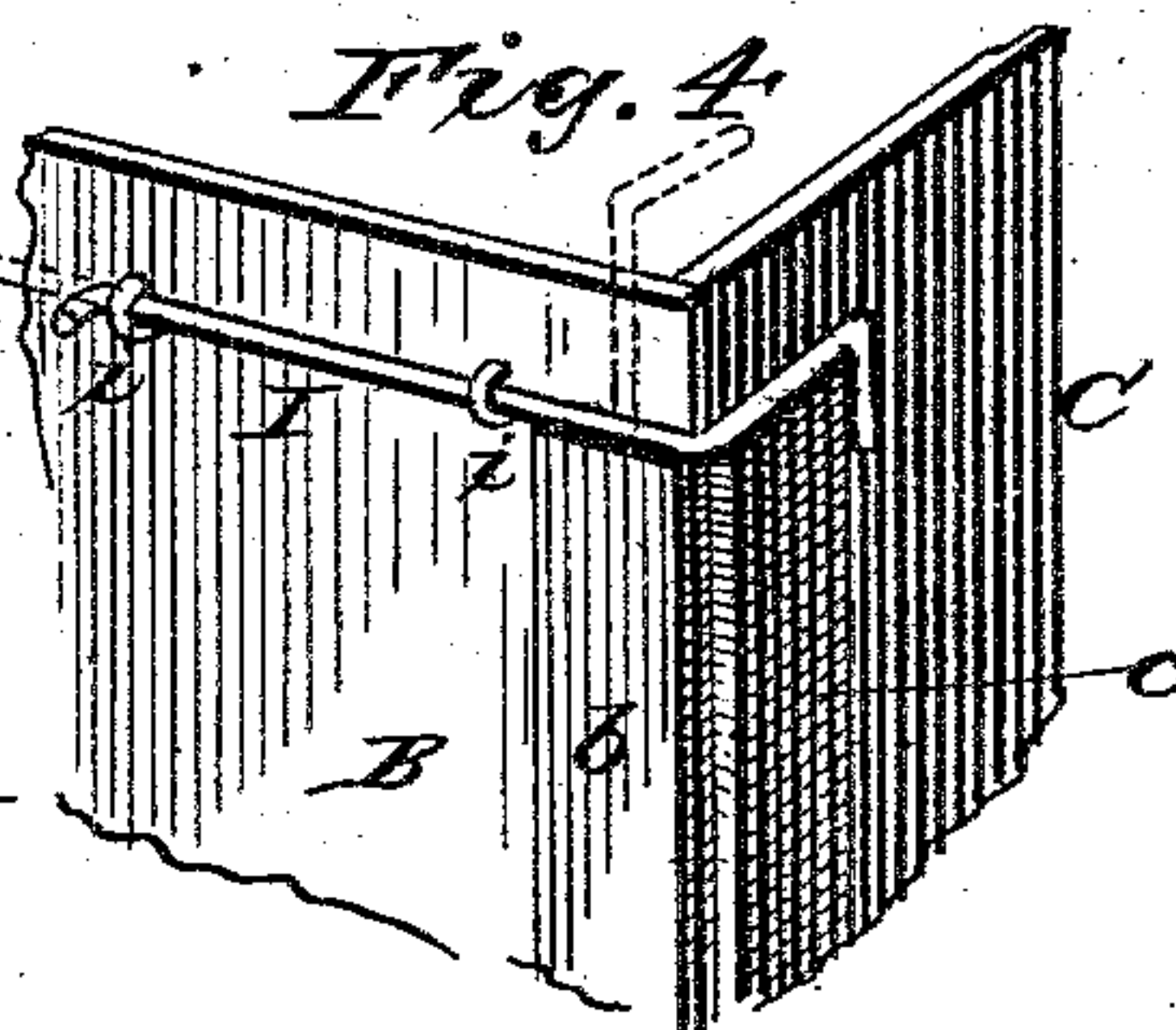
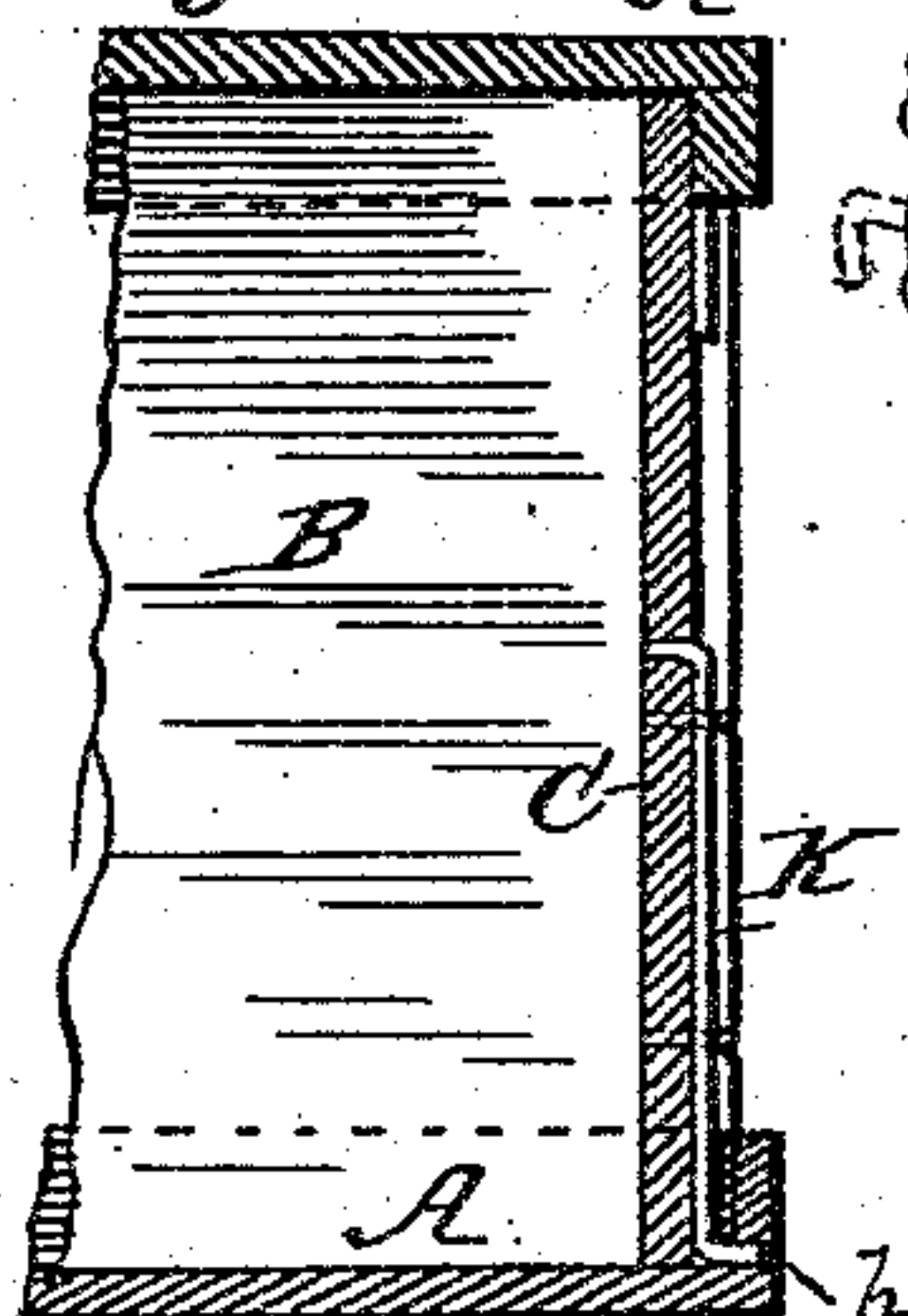


Fig. 9.

Fig. 3.

Fig. 4.



WITNESSES :-

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(No Model.)

2 Sheets—Sheet 2.

J. S. PARKER & W. M. BAKER.

RESHIPPING PACKING BOX.

No. 295,046.

Patented Mar. 11, 1884.

Fig. 5.

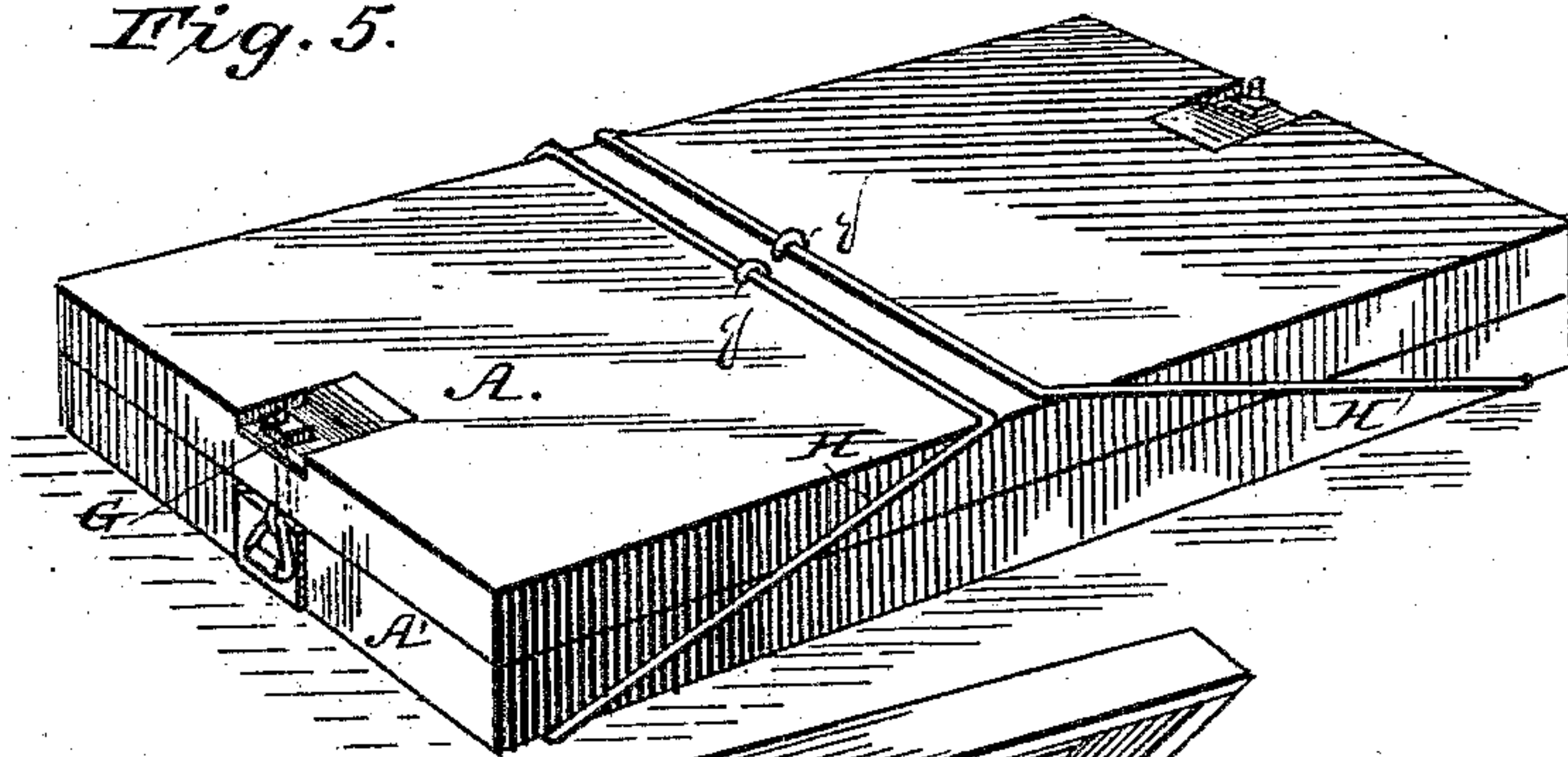


Fig. 6.

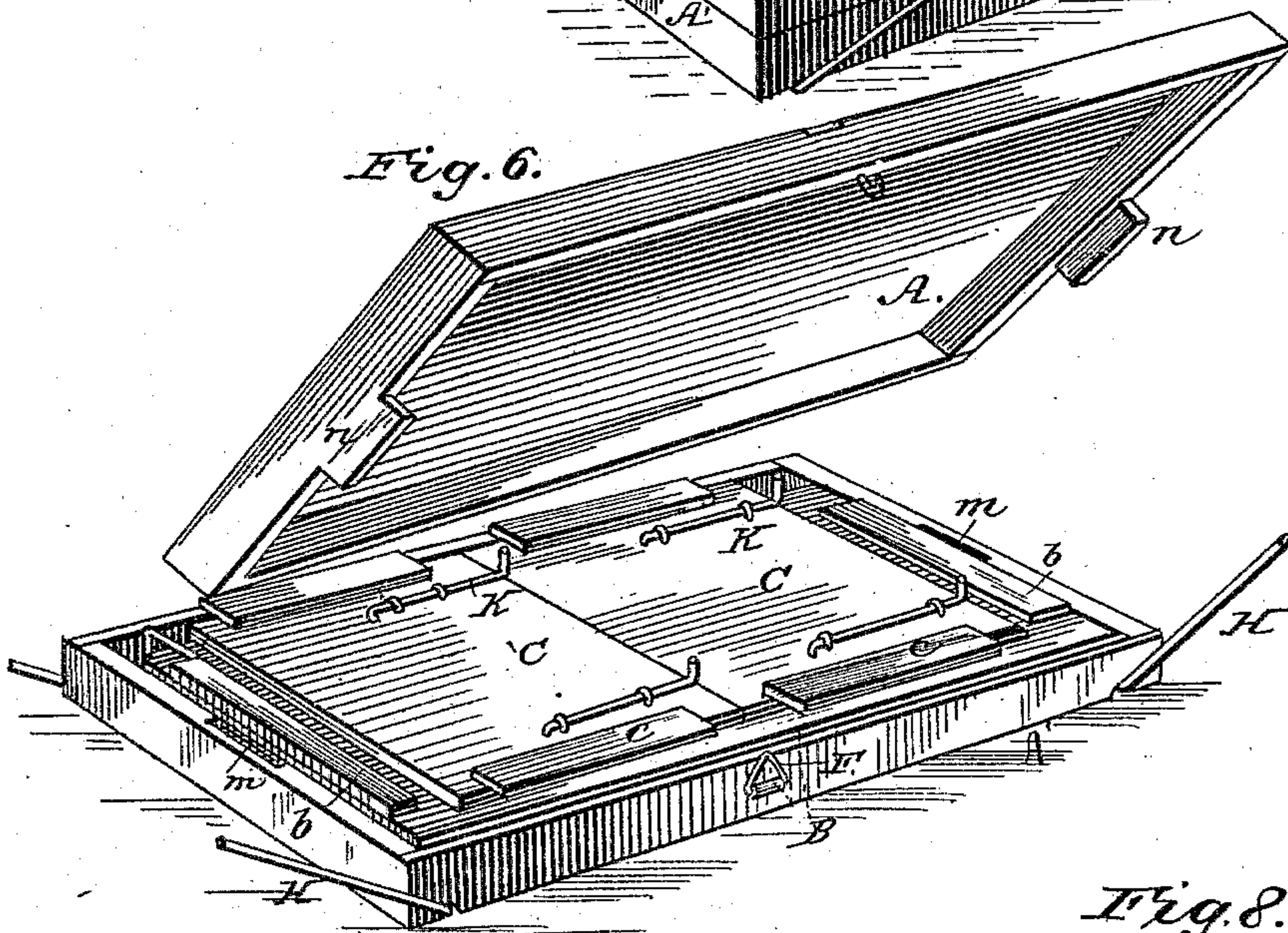


Fig. 8.

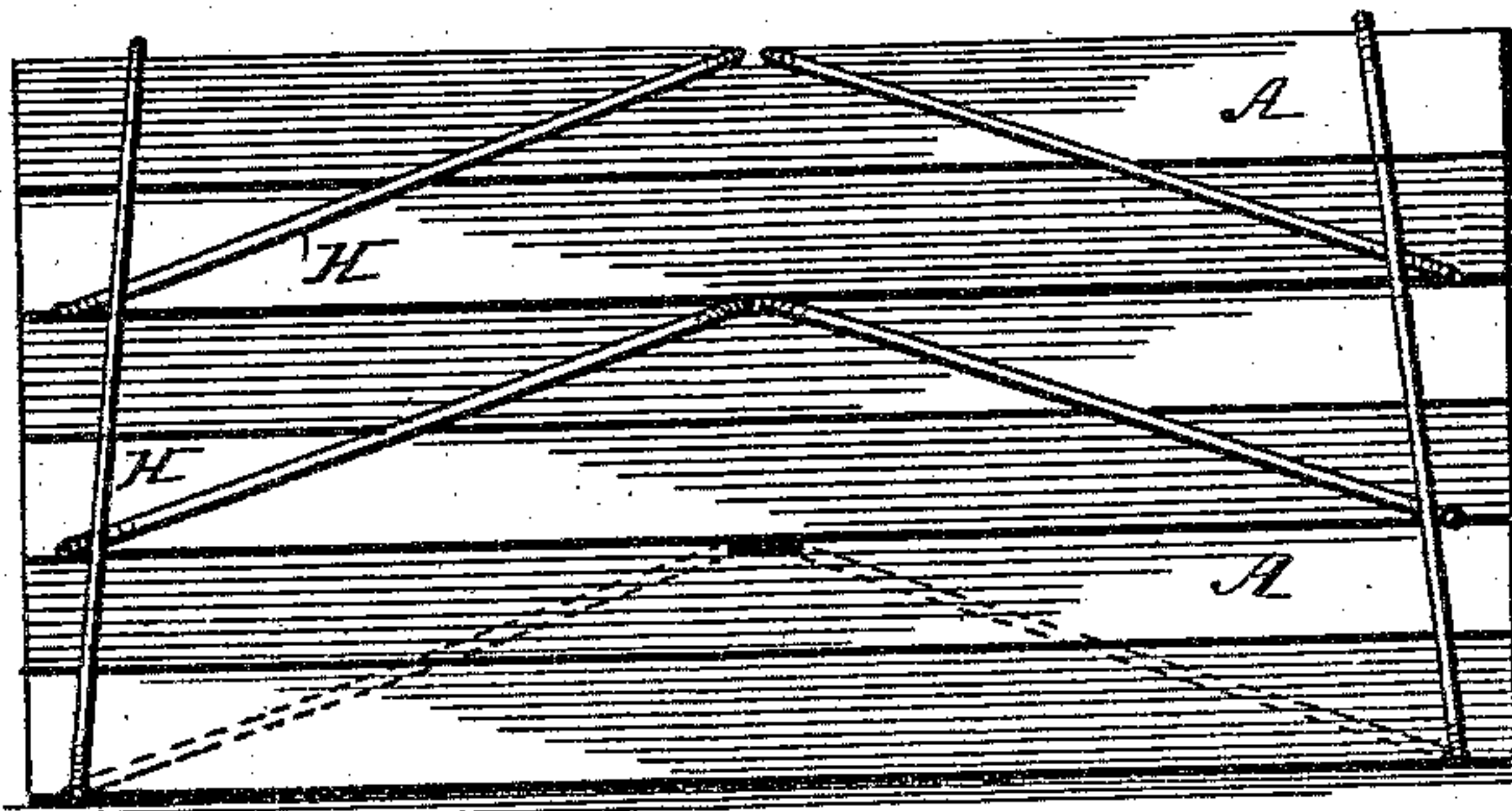
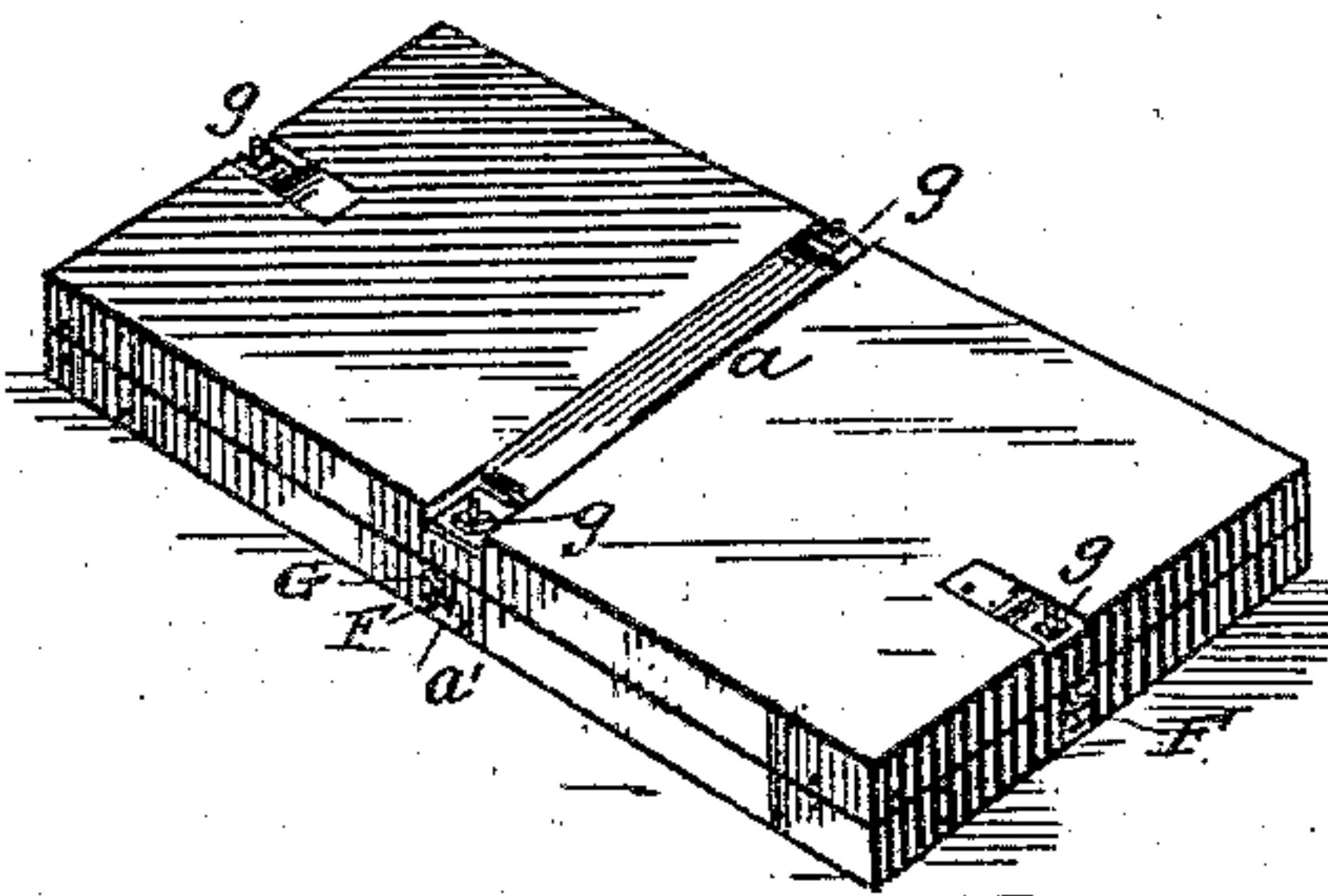


Fig. 7.



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UNITED STATES PATENT OFFICE.

JOSEPHUS S. PARKER AND WILSON M. BAKER, OF URBANA, OHIO; SAID
PARKER ASSIGNOR TO SAID BAKER.

RESHIPPING PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 295,046, dated March 11, 1884.

Application filed December 22, 1883. (No model.)

To all whom it may concern:

Be it known that we, JOSEPHUS S. PARKER and WILSON M. BAKER, citizens of the United States, residing at Urbana, in the county of Champaign and State of Ohio, have invented certain new and useful Improvements in Reshipping Packing-Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to a reshipping packing-box; and it consists in certain improvements on the patent granted to W. M. Baker, February 20, 1883, No. 272,513.

The details of construction and arrangement of the several parts will be hereinafter described in the specification and pointed out in the accompanying drawings, in which—

Figure 1 is a perspective view of our box when set up; Fig. 2, a vertical section of same. Figs. 3 and 4 are detail sectional views of the end fastenings. Figs. 5 and 7 are perspective views of the box knocked down; Fig. 6, a detail perspective view of the box when knocked down, the lid being removed, so as to show the sides and ends packed in one of the caps; Fig. 8, a side elevation, showing three boxes placed upon each other when knocked down for reshipment; and Fig. 9, a detail perspective view of one of the end pieces.

We use the caps A A' for the top and bottom of the box, in which the sides and ends are packed when the box is knocked down for reshipment, as in the patent above referred to. The sides B and ends C have cleats *b c* secured to them in such manner that a space is left between the cleats *b c* for the introduction of a hook and staple, *o*. In the former patent, No. 272,513, the edges of the cleats are brought flush with each other, and the sections are brought together so that the edges lock. In our box these edges do not lock, but are left plain, as shown. The edge-fastenings *o* are for the purpose of holding the sides of the box when it is being filled. We also provide fastenings consisting of the rods or wires I, which pass through the staples *i*, said rods or wires I having their outer ends bent so as to turn over the top of the cleats *b c*, as shown in Figs. 1 and 4. The rods I are adapted to turn and draw back, as shown in dotted lines, Fig. 4.

The ends C are also provided with rods or wires K, secured to the ends by staples or otherwise, the lower ends of which enter holes or openings *h* in the side of the lower cap.

The box is secured in its set-up position by detachable strips or rods D, which may be of wood or iron, each end of which is provided with a hook or eye, the upper one, E, being turned parallel with the side of the box, the lower one, E', being turned outwardly from the box. The upper cap, A, has a bolt, G, screw-threaded at its upper end, and provided with a hook at its lower end to engage with the hook or eye E on the strip D. The lower cap has a swiveled or pivoted ring or hook, F, which engages with the hook E'.

When the box is set up and the fastening-strips placed in position, the nut *g* is tightened, and the top and bottom caps drawn together. The upper or screw-threaded end of bolt G is let into the edge of cap A, so as to bring it below the upper surface of the cap, and thus prevent the end of the bolt from being bent or broken when the box is in use. If the end of the bolt projected above the cap, it would be liable to be bent or broken by placing other boxes on this packing-box, or, again, when the box is turned over and over in moving it from drays to cars, and vice versa. The openings in the edge of the cap A are large enough to permit the nut *g* to move freely therein.

When the box is to be knocked down for reshipment, the nut *g* is loosened, the piece D taken out of engagement with ring F, the sides B and ends C detached, and the parts folded upon each other, as shown in Figs. 5, 6, and 7.

When the box is set up and used as an egg-box with a suitable filling, the fastenings K hold the ends tightly, so that they will not drop apart or fall. We also use the guides *n* and slots *m*, so as to keep the caps snugly together when the caps are in their knocked-down position. We may use dowel-pins for this purpose. Metallic bands *a* and *a'* are placed across the top and bottom of the box, so as to protect and strengthen them, and the ends are preferably placed underneath the fastening-hooks F G.

There may be placed around the box the

auxiliary fastening-rods H, which are described and claimed in an application now pending.

We may also dispense with the end cleats and groove the end pieces C, as shown in Fig. 9, so that the edges will not be flush, but leave an angular space between the edges of the sides and end pieces, as shown in Fig. 1.

Having thus described our invention, what we claim is—

10 1. A reshipping packing-box consisting of detachable sides and top and bottom caps, the box being held in position by detachable strips which engage with rings or hooks on the caps, substantially as and for the purpose set forth.

15 2. A reshipping packing-box consisting of top and bottom caps and detachable sides and ends provided with cleats, as described, and side fastening-strips, one end of each strip engaging with a bolt let into the edge of the top cap, the opposite end of said strips engaging with a ring or loop secured to the bottom cap, substantially as and for the purpose set forth.

25 3. A box with detachable ends and sides, having cleats, as described, and provided with sliding rods I, having bent ends, one end of said rods being adapted to turn over the cleats on the ends of the box, substantially as set forth.

30 4. A packing-box having detachable sides and ends provided with cleats, as described, said cleats being secured to the sides and ends so as to leave a space between them, and provided with a hook, o, and eye o', which en-

gage with each other in the space between the cleats, substantially as set forth. 35

5. A reshipping packing-box having detachable ends provided with the rods K, having bent ends, the lower ends of said rods entering holes or openings in the bottom cap of the box, substantially as and for the purpose 40 set forth.

6. A reshipping packing-box consisting of top and bottom caps and detachable sides and ends, the ends and sides, when detached, adapted to pack in one of the caps, said caps being 45 held in position by a hook, G, and ring or loop F, secured to said caps, substantially as and for the purpose set forth.

7. A reshipping packing-box consisting of top and bottom caps and detachable sides and 50 ends, one of said caps having a screw-threaded hook, and means, in connection with the other cap, for engaging the hook and nut by means of which the caps are tightened or loosened, substantially as and for the purpose set forth. 55

In testimony whereof we affix our signatures in presence of two witnesses.

JOSEPHUS S. PARKER.
WILSON M. BAKER.

Witnesses as to Parker:

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F. T. BUDGE.

Witnesses as to Baker:

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