

No. 612,141.

Patented Oct. 11, 1898.

S. H. ROUT.
BOX FOR SHIPPING CRATES.

(Application filed May 20, 1898.)

(No Model.)

Fig. 1.

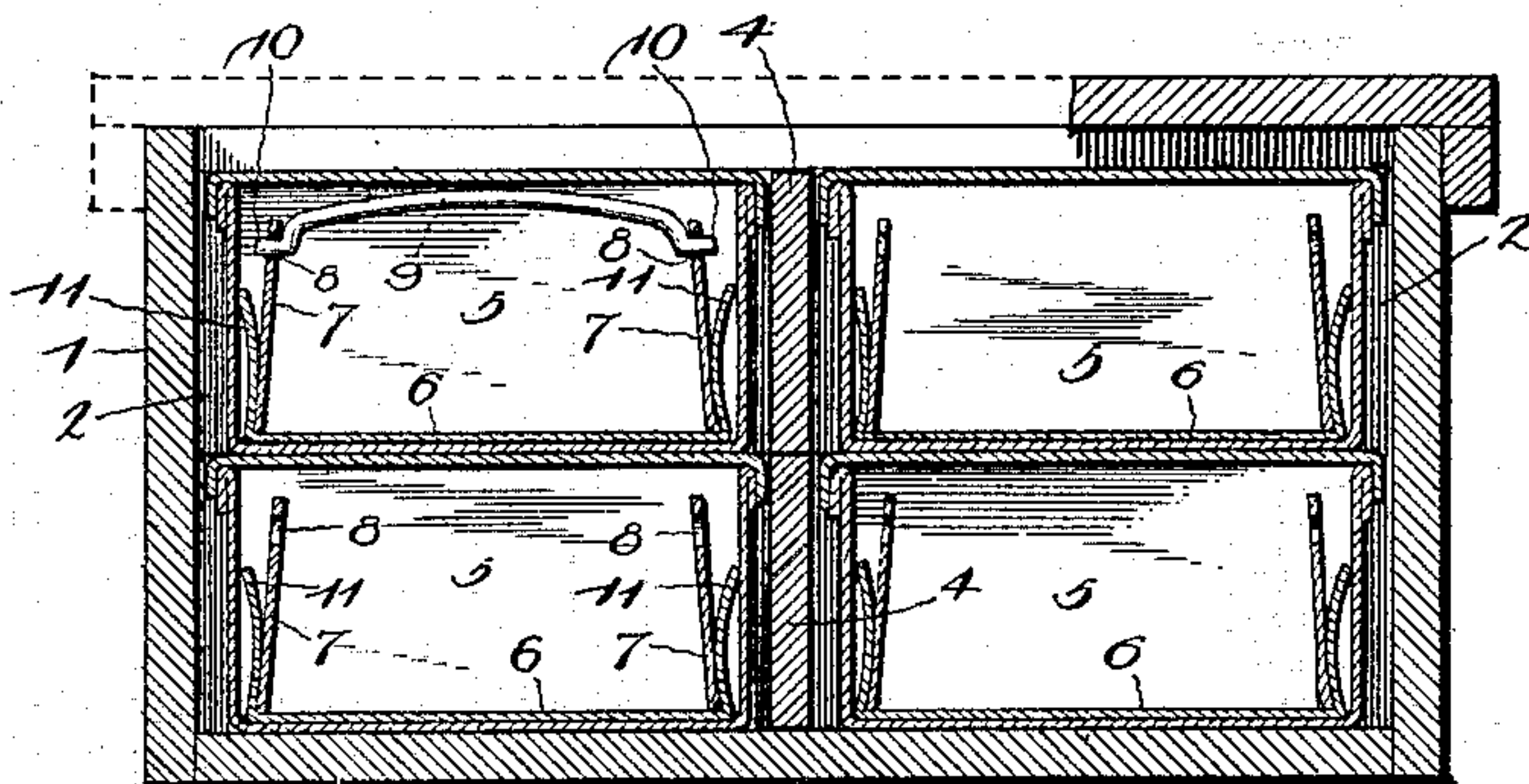
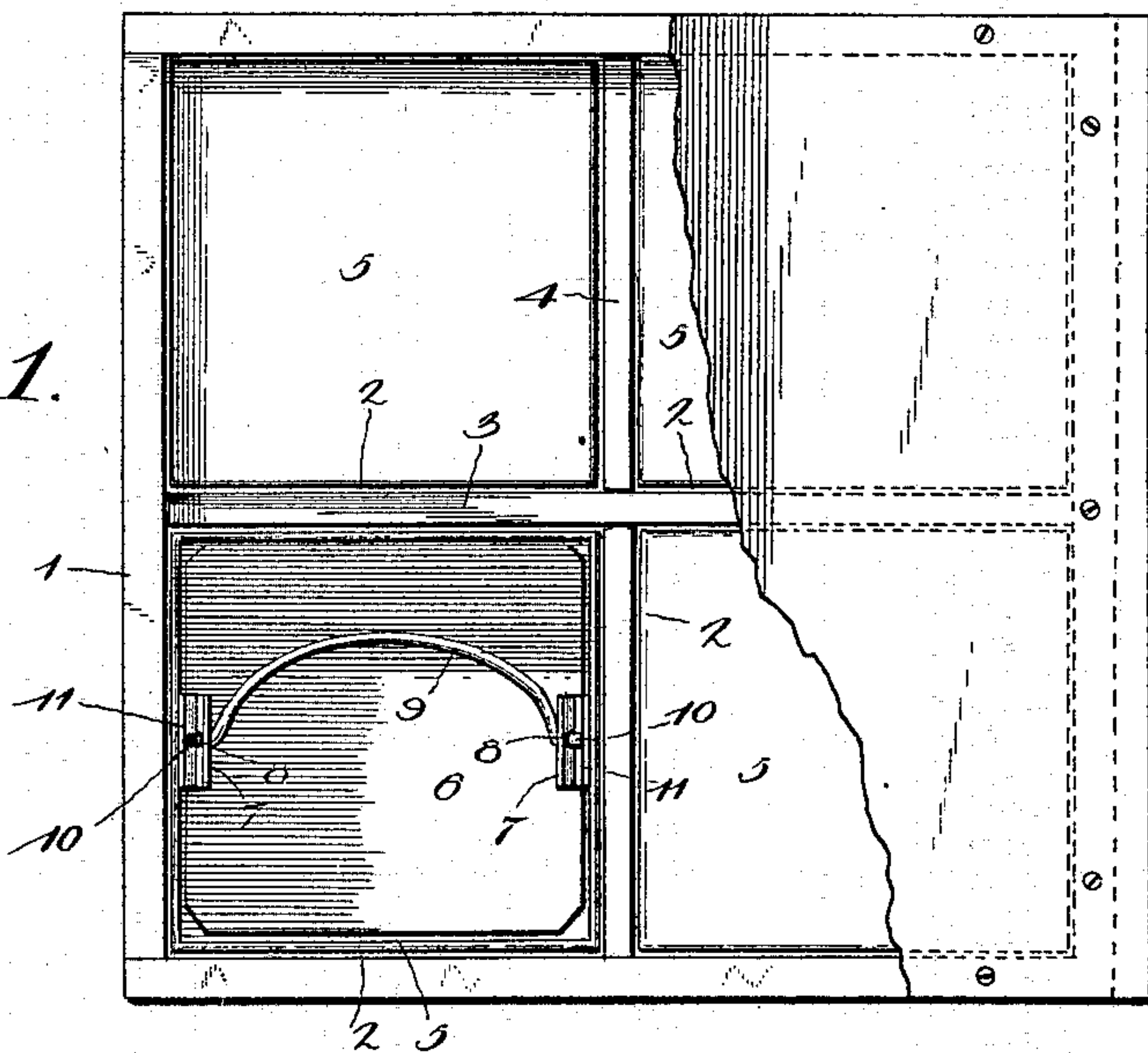
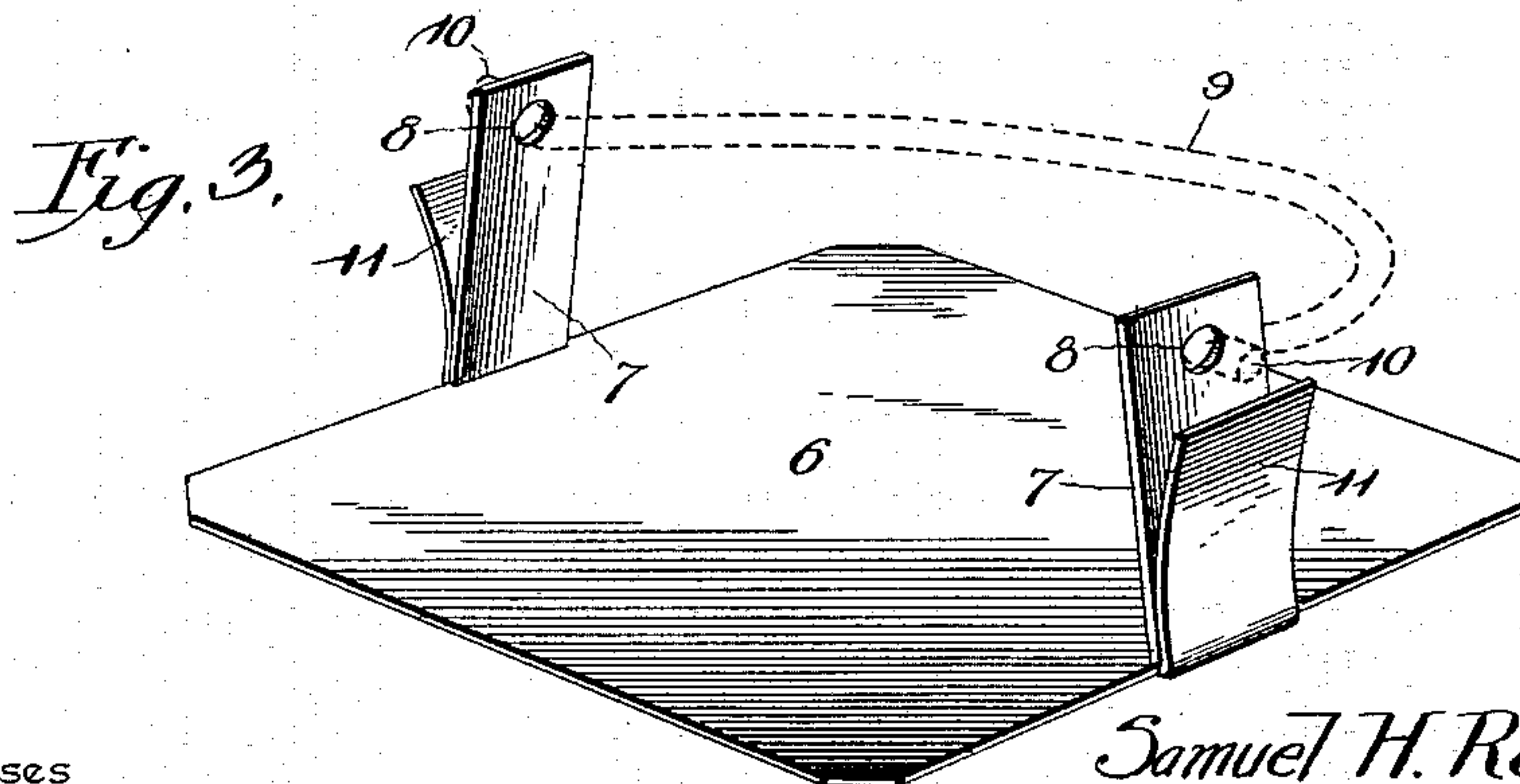


Fig. 2.



Witnesses

Kaufman & Co.

J. F. Riley

By His Attorneys,

Samuel H. Rout, Inventor.

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

SAMUEL HAMILTON ROUT, OF HUSTONVILLE, KENTUCKY.

BOX FOR SHIPPING-CRATES.

SPECIFICATION forming part of Letters Patent No. 612,141, dated October 11, 1898.

Application filed May 20, 1898. Serial No. 681,227. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL HAMILTON ROUT, a citizen of the United States, residing at Hustonville, in the county of Lincoln and State of Kentucky, have invented a new and useful Box for Shipping-Crates, of which the following is a specification.

The invention relates to improvements in boxes for shipping-crates.

10 The object of the present invention is to improve the construction of boxes for shipping-crates and to provide one which will be especially adapted for carrying butter and capable of preventing butter from running together and of enabling the same to be conveniently handled and readily removed from it.

15 A further object of the invention is to provide for crates a box having a false bottom or tray adapted to be placed in the box before the same has received its contents and to remain in the box during storage or shipment of the butter and capable of enabling the butter to be readily removed from the box.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

25 In the drawings, Figure 1 is a plan view of a crate provided with boxes constructed in accordance with this invention, the cover of one of the boxes being removed and a handle being connected with the arms of the tray.

30 Fig. 2 is a vertical sectional view of the same.

35 Fig. 3 is a perspective view of one of the trays.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

40 1 designates a crate provided with a series of compartments 2, formed by partitions 3 and 4, arranged at right angles to each other and detachably placed in the tray. Within the compartments are arranged butter-receiving boxes 5, disposed in vertical series, as shown, separate partitions being interposed between each layer of boxes, and it will be readily understood that a crate may be made of any desired capacity.

45 Within each of the boxes, which are preferably constructed of sheet metal, is arranged a horizontal tray or false bottom 6, constructed of sheet metal or other suitable material and

conforming to the configuration of the box and designed to be placed in the same upon the bottom thereof before the said box receives its contents. The tray is provided at opposite sides with upwardly-extending arms 7, disposed substantially vertically, and provided at their upper ends with perforations or eyes 8, adapted to receive a bail 9, constructed of wire or other suitable material, and having its ends 10 bent outward to enable the bail 9 to engage the arms from the inner faces thereof.

55 In order to enable the handle to be quickly engaged with the arms 7, the tray is provided at the outer sides of the arms with upwardly-extending resilient plates or springs 11, secured at their lower ends to the tray or false bottom adjacent to the lower terminals of the arms and interposed between the same and the adjacent walls of the box. The springs or plates 11 are adapted to hold the arms away from the walls of the box to enable the handle or bail to be quickly engaged with the said arms, whereby the contents of the box may be readily removed.

60 The invention has the following advantages: The boxes, which may be made of any desired size and shape, are adapted to prevent their contents from running together and spoiling the butter by mixing various shades together, and the trays, which enable the butter to be readily lifted from the boxes, are compactly arranged within the same, and the arms and the springs lie close to the sides and do not interfere with the covers of the boxes. The springs or resilient plates hold the arms sufficiently away from the adjacent walls of the box to enable the handle or bail to be quickly engaged with the said arms, and only one handle is necessary for removing all the contents of the various boxes.

65 Changes in the form, proportion, and minor details of construction, such as varying the size and shape of the boxes or the manner of attaching the covers to the same, may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

What I claim is—

1. A device of the class described comprising a box, a tray or false bottom arranged within the box, and provided with upwardly-depending arms, a handle detachably engaged

ing the arms, and resilient devices interposed between the arms and the walls of the box to force the said arms inward, substantially as described.

- 5 2. A device of the class described, comprising a box, a tray arranged within the box and provided with upwardly-extending arms having eyes, resilient plates or springs connected with the tray at the lower ends of the arms
10 and interposed between the same and the box

to force the said arms inward, and a bail or handle having outturned ends for engaging said eyes, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 15 the presence of two witnesses.

SAMUEL HAMILTON ROUT.

Witnesses:

J. W. HOCKER,

W. M. DODD.