

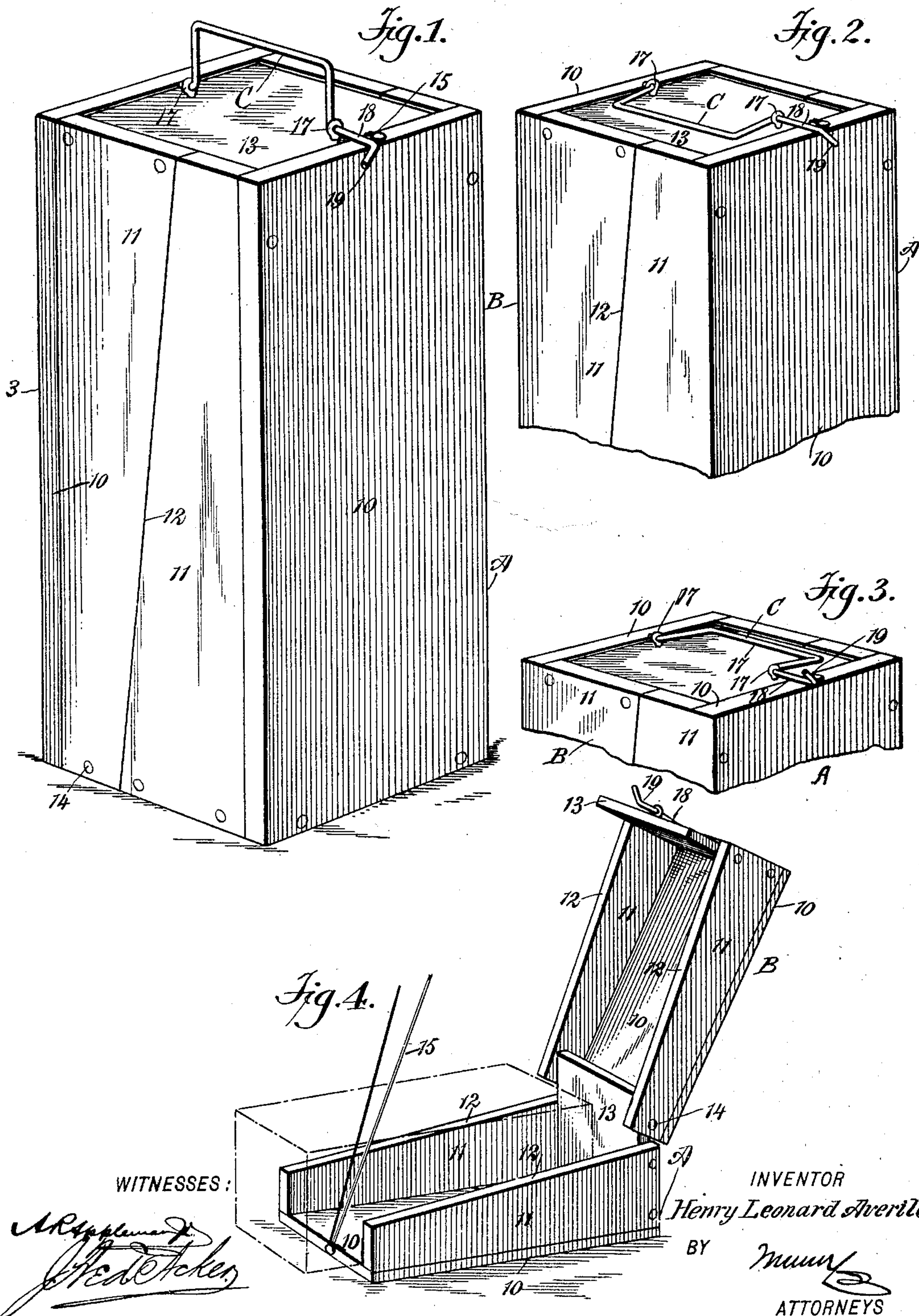
No. 711,374.

Patented Oct. 14, 1902.

H. L. AVERILL.
BOX.

(Application filed Mar. 25, 1902.)

(No Model.)



UNITED STATES PATENT OFFICE.

HENRY LEONARD AVERILL, OF PIERMONT, NEW HAMPSHIRE.

BOX.

SPECIFICATION forming part of Letters Patent No. 711,374, dated October 14, 1902.

Application filed March 25, 1902. Serial No. 99,865. (No model.)

To all whom it may concern:

Be it known that I, HENRY LEONARD AVERILL, a citizen of the United States, and a resident of Piermont, in the county of Grafton and State of New Hampshire, have invented a new and useful Improvement in Boxes, of which the following is a full, clear, and exact description.

My invention relates to an improvement in boxes in which butter is placed for transportation and protection; and the purpose of the invention is to provide an economic form of box made in hinged sections which when opened will expose the top and a portion of the sides of the contents of the box, enabling said contents to be inspected and manipulated; and a further purpose of the invention is to provide the box with a means whereby to cut the butter, and a handle which likewise serves as a lock for the box when closed.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the box closed, the handle being in position for carrying the box and locking the box-sections. Fig. 2 is a perspective view of one end of the box, showing the handle laid flat and the sections of the box locked through the medium of said handle. Fig. 3 is a view similar to Fig. 2, showing, however, the handle laid flat on the box and the box-sections unlocked; and Fig. 4 is a perspective view, drawn upon a smaller scale, showing the box open and the butter-cutter elevated and a cake of butter in dotted lines in position in the box.

The box is made in two sections A and B, preferably of the same dimensions and of the same construction. The section A is by preference denominated a "body-section" and the section B a "cover-section." Each section consists of a base-board 10, two side boards 11 of equal depth or width extending from end to end of the base-board and closely connected therewith, the inner edges 12 of which side boards are diagonally or longitudinally inclined, and an end board 13, se-

cured to the base-board and the side boards at their wider ends and extending beyond the wider ends of the side boards a distance equal to the depth of said side boards at their narrower ends.

In assembling the two sections A and B of the box one section is placed upon the other, their side boards or members meeting upon the diagonal line, the end board of one section entering the opposing section at its narrower end and engaging with the base-board of said section. The side boards of the sections B, for example, are then hinged to the side edges of the end board of the section A at its projecting portion, whereupon one section may be opened out from the other section, disclosing the major portion of the contents of the box, as is shown in Fig. 1, and said contents may be conveniently slid out partially or entirely from the body or supporting section of the box and inspected and cut as desired.

The hinged connection between the sections is effected by passing wire nails 14 or other nails round in cross-section through the side boards at a point about midway between their longitudinal edges and into the end board, as is illustrated.

It will be observed that a box constructed as described opens in two equal parts which close tightly together, providing a box closed at its sides, ends, top, and bottom. When butter is to be packed in a box, a cutter 15, of wire or like material, for use in cutting the butter is attached between its ends to the body-section A at the open end of the latter, as is shown in Fig. 4, said wire being normally adapted to lie upon the base of the section, and the free ends of the wire may extend above the contents of the box, so that they may be readily grasped and drawn outward and operated transversely through the cake of butter as the latter is drawn out from the box to cut off the desired quantity.

A bail-handle C is located at the closed end of the box-section B, being held to turn in screw-eyes or staples 17, secured to the box, and one end 18 of the bail-handle is carried outward a sufficient distance to extend beyond the outer face of the base-board of the box-section A when the two sections are closed together. The extension 18 of the

bail-handle is provided with a crank-terminal 19, which is bent at right angles to the extension 18, but is at an obtuse angle to the perpendicular of the bail-handle, as is shown in Fig. 1.

When the handle lies flat upon the end of the box in direction of one side thereof, as is shown in Fig. 3, the crank-arm 19, carried by the bail-handle, will occupy the upper position (shown in said Fig. 3) and the sections of the box may be freely opened and closed. When, however, the handle is laid flat to the box, but turned in an opposite direction to that shown in Fig. 3, occupying the position shown in Fig. 2, the crank-arm 19 of the bail-handle will be in engagement with the outer face of the base of the section A, and the two sections will be held locked together, the crank-arm at said time occupying an inclined position in engagement with the base of said body-section, and when the handle is placed in a perpendicular position for the purpose of carrying the box the crank-arm will still remain in engagement with the base of the body-section, but will be inclined in an opposite direction, as is shown in Fig. 1. Thus it will be observed that this handle may be utilized for keeping the box closed while the handle is lying flat on the box or while the box is being carried and that when the handle is placed in one position flat on the box the sections of the box remain unlocked.

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

1. In a box, two sections of the same shape and size, each section comprising a base-board, side boards secured to the base-board and extending the entire length thereof, the inner longitudinal edges of which side boards are inclined, and an end board connected with the base-board and the side boards at the wider ends of the latter and extending beyond the inclined edges of the side boards a distance equal to the width of the narrow ends thereof, and a hinge connection between the projecting end of one of the end boards of one section and the side boards of the opposing section at the narrower open end of the section, substantially as described.

2. In a box, two sections of the same shape and size, each section comprising a base-board, side boards secured to the base-board and extending the entire length thereof the inner longitudinal edges of which side boards are inclined, and an end board connected with the base-board and the side boards at the wider ends of the latter and extending beyond the inclined edges of the side boards

a distance equal to the width of the narrow ends thereof, and a hinge connection between the projecting end of one of the end boards of one section and the side boards of the opposing section at the narrower open end of the section, said hinge connection consisting in passing two of the binding-nails of the box through said latter-named parts at a point about midway between the longitudinal edges of the side boards, substantially as set forth.

3. A handle for boxes, consisting of a bail-body, and bearings for the terminal portions of the bail-body, one terminal portion of which bail-body is longer than the other and provided with an arm at its end, said arm standing at right angles to the said longer terminal and at an obtuse angle to the perpendicular or end members of the bail-body, substantially as described.

4. The combination, with a box constructed in sections, of a bail-handle mounted to turn on one section, having one end extending beyond an outer face of the opposing section, which extension end is provided with an angular arm for engagement with said opposing section when the handle is in a perpendicular position, substantially as described.

5. The combination with a box constructed in sections, of a bail-handle mounted to turn on one section, having one end extending beyond an outer face of the opposing section, which extension is provided with an arm for engagement with said opposing section, said arm standing at right angles to the extension from the bail-handle and at an obtuse angle to the perpendicular or side members of the said bail-handle, whereby the handle will serve to lock the box-sections together when in both a perpendicular and horizontal position, as set forth.

6. A butter-box formed of two similar sections, each comprising a base-board, side boards, the inner longitudinal edges of which are inclined, and an end board secured to the base-board and to the side boards at the wider ends of the latter and projecting above the same, the narrow ends of the side boards of one section being pivoted to the projecting end board of the other section, and a wire secured to the bottom board of one section of the box at the open end thereof and normally lying on said bottom board, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY LEONARD AVERILL.

Witnesses:

SAMUEL H. AMES,
AMANDA T. GRIMES.