

O. C. FENLASON.
 COLLAPSIBLE VENEER BOX FOR BERRIES, &c.
 APPLICATION FILED JUNE 20, 1908.

978,868.

Patented Dec. 20, 1910.

2 SHEETS—SHEET 1.

Fig. 1.

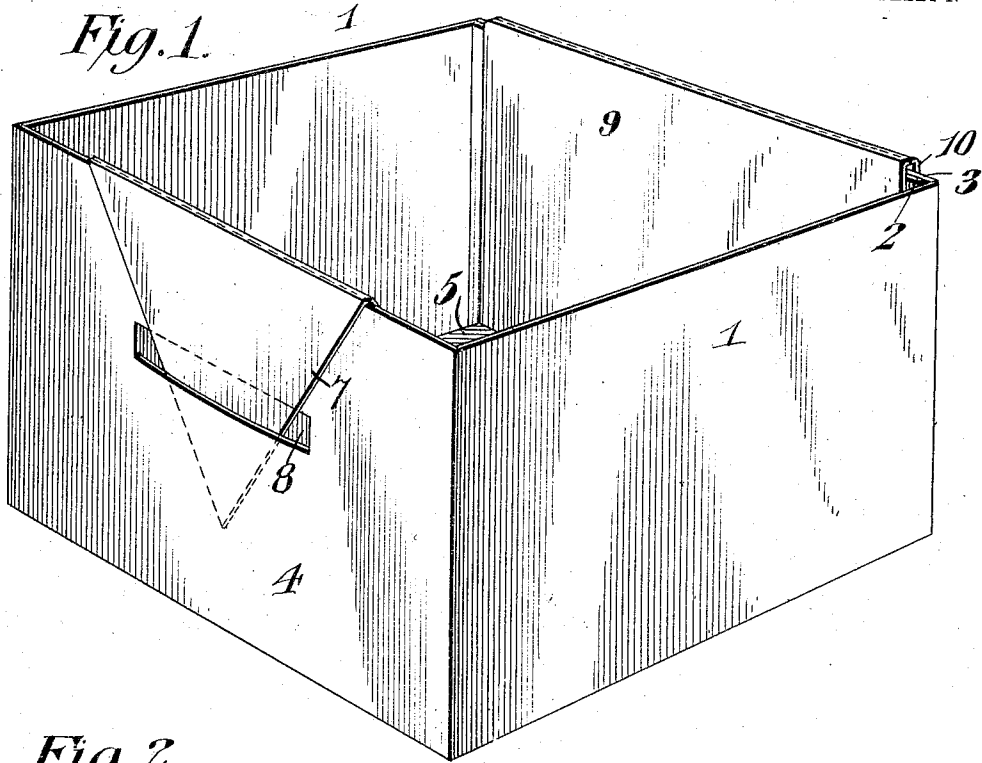
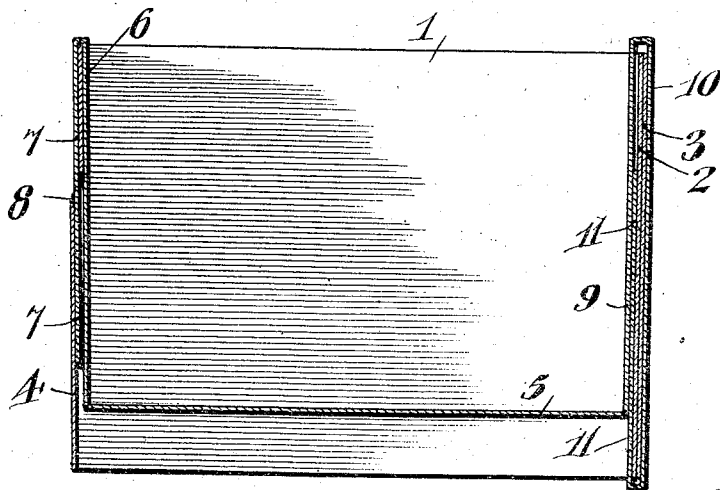


Fig. 2.



Witnesses

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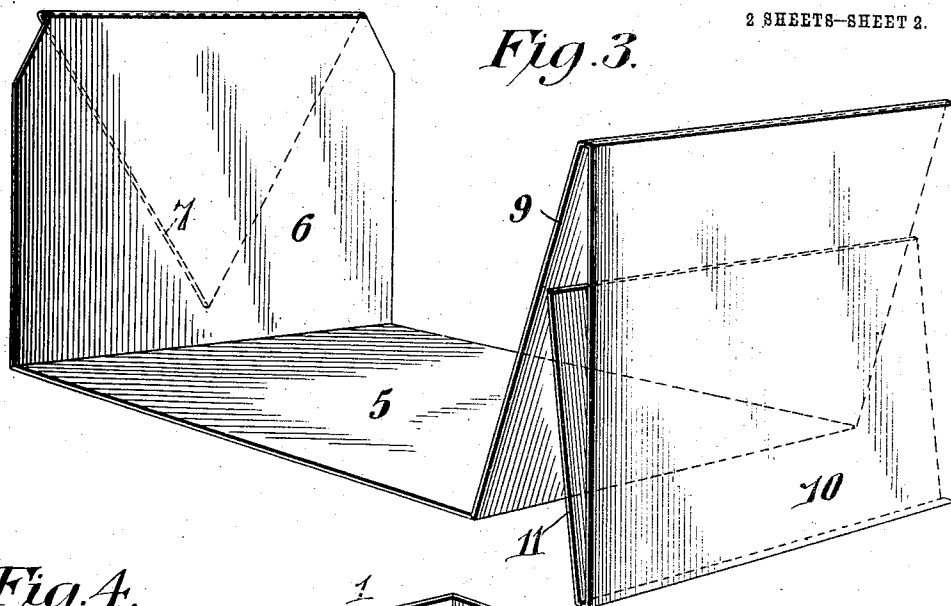
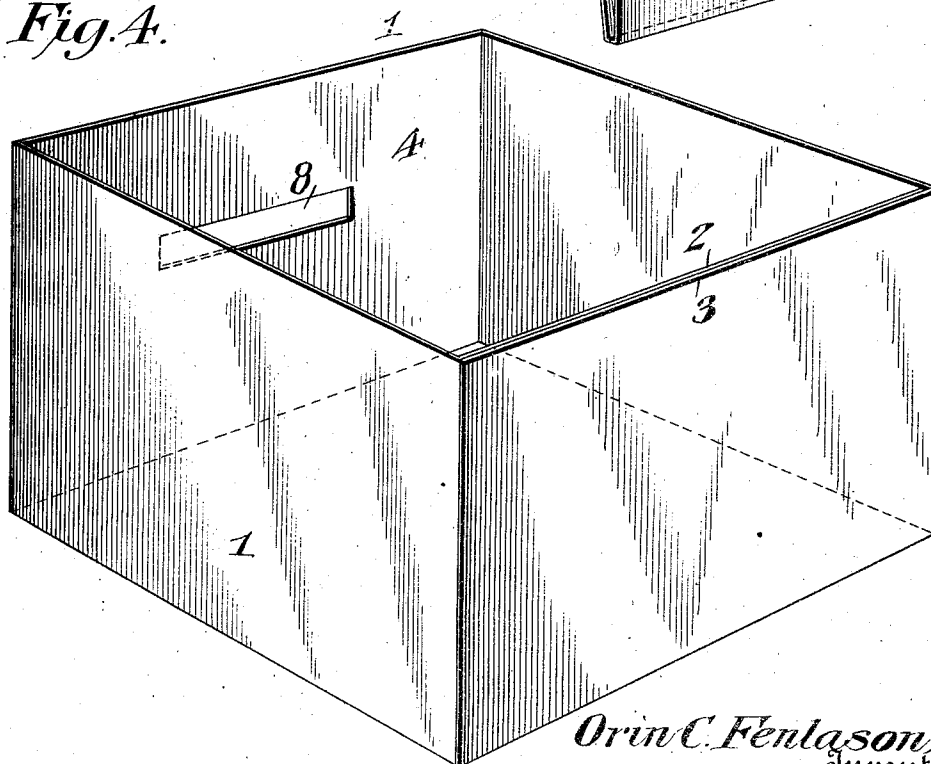


Fig. 4.



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UNITED STATES PATENT OFFICE.

ORIN C. FENLASON, OF HOQUIAM, WASHINGTON.

COLLAPSIBLE VENEER BOX FOR BERRIES, &c.

978,868.

Specification of Letters Patent.

Patented Dec. 20, 1910.

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To all whom it may concern:

Be it known that I, ORIN C. FENLASON, a citizen of the United States, residing at Hoquiam, in the county of Chehalis and State of Washington, have invented a new and useful Collapsible Veneer Box for Berries, &c., of which the following is a specification.

The invention relates to improvements in collapsible veneer boxes for berries, fruit, vegetables, etc.

The object of the present invention is to improve the construction of collapsible veneer boxes for berries, fruit, vegetables, etc., and to provide a simple and efficient collapsible veneer box adapted to be easily and quickly arranged for use, and capable of being rapidly and cheaply constructed by automatic machinery.

A further object of the invention is to provide a veneer box of this character, adapted to effect a great saving in freight charges and in the cost of construction by eliminating staples, or similar fastening devices for securing the parts together, and thereby enabling the boxes to be shipped in full cars at the regular box shuck rate, which is much lower than the rate on material made up or fastened together with wire staples.

The invention also has for its object to further cheapen the construction by enabling the body of the box to be constructed of a simple oblong strip, scored at the corners of the box and provided with a single horizontal slot and by providing a removable bottom adapted to bind the ends of the body strip together and having a single tapered terminal for engaging the said slot.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings: Figure 1 is a perspective view of a collapsible veneer box, constructed in accordance with this invention. Fig. 2 is a central vertical sectional view, taken longitudinally of the strip forming

the bottom. Fig. 3 is a detail perspective view of the removable foldable bottom and its supporting and clamping means. Fig. 4 is a perspective view of the body of the box.

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

The box is provided with a collapsible rectangular body 1, constructed of a single sheet or piece of veneer of sufficient length to form the walls or sides of the box. The ends of the strip are overlapped, the overlapped end portions 2 and 3 being of the same area as the opposite end wall 4 and forming an end wall of two plies or thicknesses. The scoring of the veneer at the corners of the box enables the body to collapse and fold compactly.

The box is equipped with a removable bottom 5, provided at one end with an upwardly extending supporting or hanger portion 6 having a flap 7 for engaging a horizontal slot 8, punched or otherwise formed in the wall 4 opposite the overlapped end portions. The supporting portion extends to the upper edge of the side or wall 4, and the flap extends downward on the exterior of the same and passes through the slot 8, flexing or bending the material, whereby the lower portion of the flap is frictionally clamped and the upper portion of the wall 4 is similarly engaged and clamped between the flap 7 and the supporting portion 6. The bottom is provided at the opposite side of the box with a clamp for binding the overlapped end portions 2 and 3 of the body strip 7. The clamp is composed of an inner upwardly extending supporting portion 9, an outer side or member 10, and an inner upwardly extending flap or portion 11. The supporting portion 9 extends upward from the bottom 5 to the upper edges of the body and it suspends one end of the bottom within the box. The outer side or member 10 of the clamp extends downward from the upper edges of the overlapped portions of the body strip to the lower edges thereof, and the inner upwardly extending flap or portion 11 is interposed between the overlapped end portions of the body strip and the supporting portion 9. The inner end of the wound portion is extended above the center of the inner side of the said wound portion to form the flap 11 and to secure the desired clamping action of the parts.

In assembling the parts, the members of

the clamp are wrapped around the overlapped end portions of the body strip. The inner flap or portion 11 is first placed against the inner end portion 2 and the strip, forming the bottom is bent upward to arrange the outer side or member 10 against the end portion 3. The bottom 5 is then introduced to the box and when in position, the members or portions of the clamp are placed under tension and frictionally engage the overlapped end portions of the body strip and retain the same in their overlapped relation.

The strip constituting the bottom is scored at the points to form the bottom, the supporting member 6 and the members or portions of the clamp, and it is adapted to fold compactly. As the collapsible body and the removable foldable bottom are not made up or fastened together in any part with staples or similar fastening devices, the entire box can be shipped in full cars at the regular box shuck rate.

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

1. A collapsible or knock-down veneer box including a foldable body consisting of a single strip of veneer having its ends overlapped and fitted flat against each other at one side of the body, the latter being provided at the opposite side with a slot, and a

bottom provided at one end with a clamp engaging and frictionally holding the overlapped ends of the body strip together, said bottom having an upwardly extending portion at the opposite side of the body and provided with an exterior depending flap passing through the said slot and thereby flexing the material of the body.

2. A collapsible or knock-down veneer box including a foldable body consisting of a single strip of veneer having its ends overlapped at one side of the body, the latter being provided at the opposite side with a slot, and a bottom provided at one end with a clamp engaging and securing the overlapped ends of the body strip together, said bottom having an upwardly extending portion at the opposite side of the body hung from the upper edge of such side and provided with an exterior depending flap passing through the slot and flexing the material, whereby the said flap and the upper portion of the slotted side of the body are clamped.

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

ORIN C. FENLASON.

Witnesses:

ELMER V. SMITH,
ALTON R. KELLOGG.