United States Patent [19]

Gonzalez

[11] **3,924,735**

[45] **Dec. 9, 1975**

[54] **SMOKING PIPE HOLDER**

[75] Inventor: **Luis G. Gonzalez,** San Francisco, Calif.

[73] Assignee: **Raymond Lee Organization Inc.,** a part interest

[22] Filed: **Dec. 13, 1974**

[21] Appl. No.: **532,583**

[52] **U.S. Cl.** **206/45.11;** 206/45.14

[51] **Int. Cl.²** **B65D 81/36;** B65D 25/10; B65D 25/20

[58] **Field of Search** 206/45.11, 44, 45.14

[56] **References Cited**

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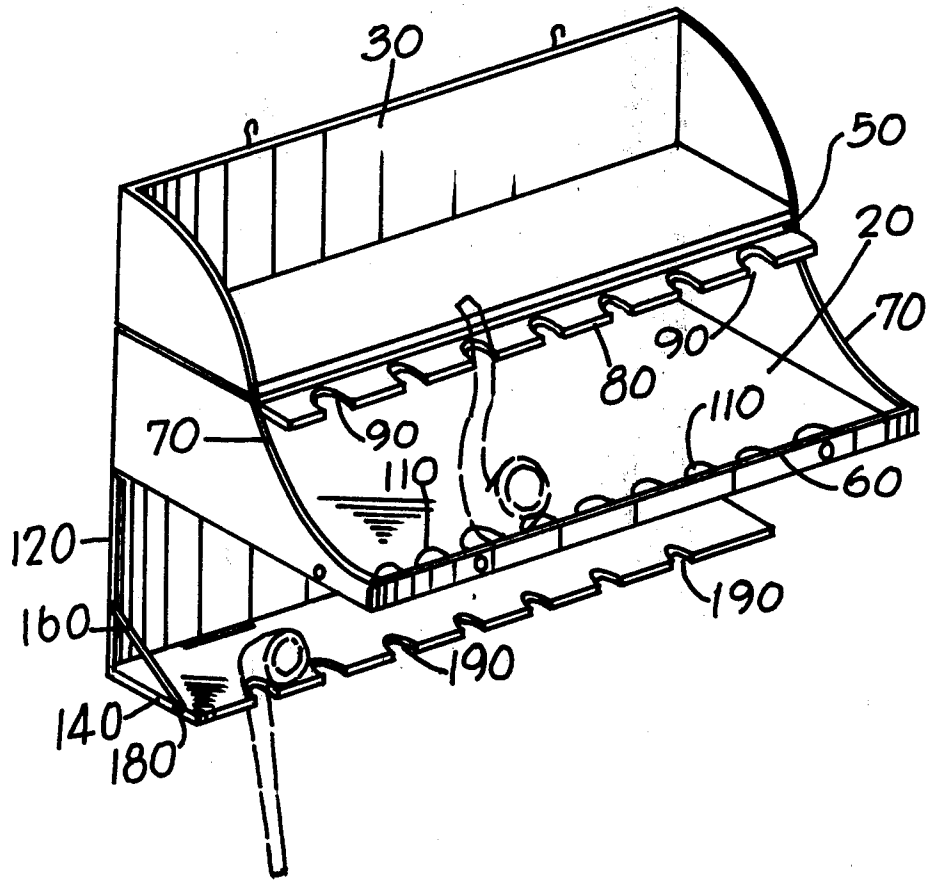
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Primary Examiner—Leonard Summer

[57] **ABSTRACT**

A hollow rectangular box may be closed with a lid. A horizontal flat strip inside the box has a plurality of notches for holding the stems of pipes when the lid is open. Two flaps may be supported flush against the bottom of the box when a means is in a first state. When the means is in a second state, the flaps drop down to form a rack for the storage of more pipes.

2 Claims, 5 Drawing Figures



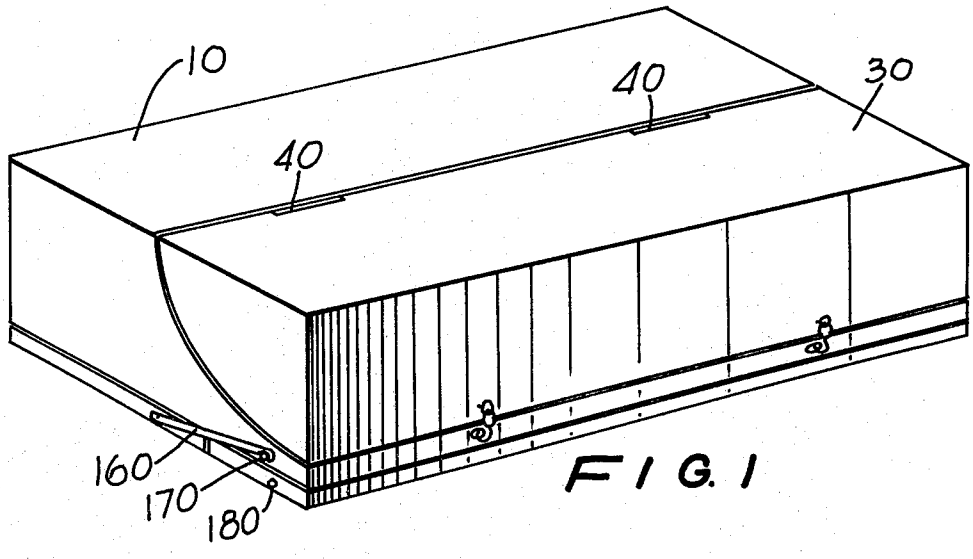


FIG. 1

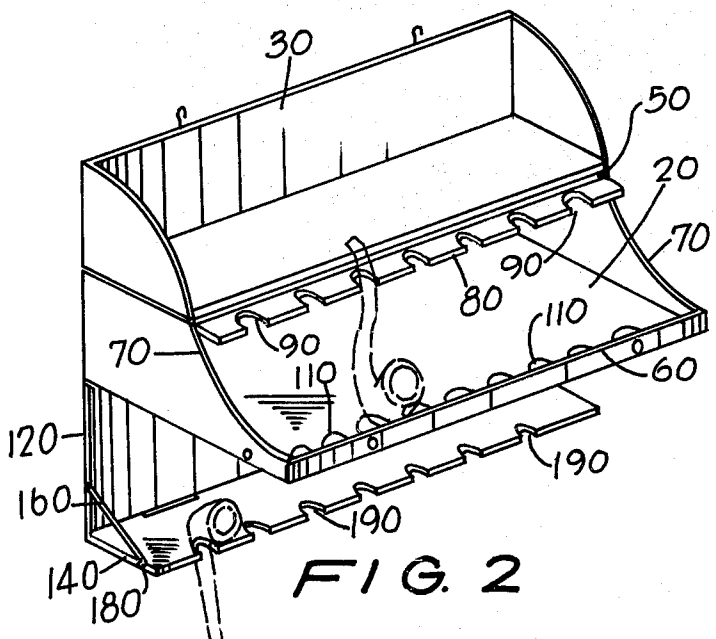


FIG. 2

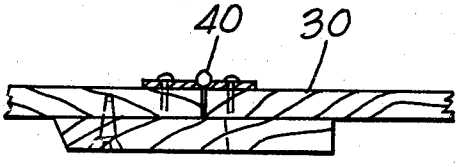


FIG. 3

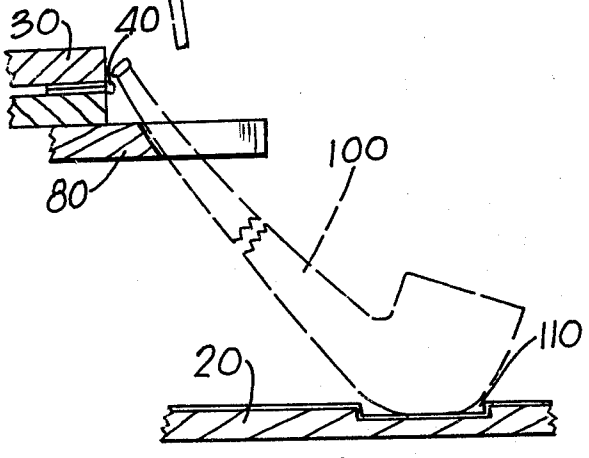


FIG. 4

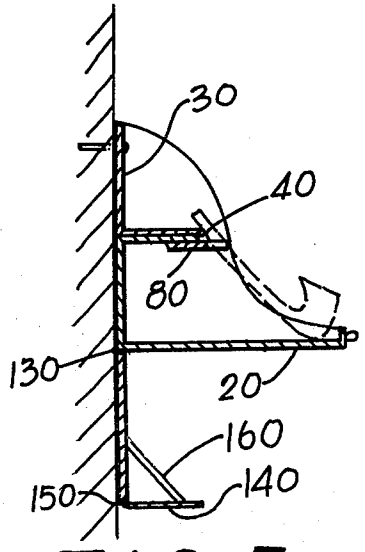


FIG. 5

SMOKING PIPE HOLDER

SUMMARY OF THE INVENTION

The object of the invention is to provide a device that can hold a large number of pipes, but that can be folded up to take up very little space.

Thus, a hollow rectangular box can be closed with a lid, or can be left with the lid open, in which case an opening with straight top and bottom edges and downwardly and forwardly extending side edges is created.

A strip projects forwardly from the top edge of the opening, and bears a plurality of regularly spaced notches, that hold the stems of a plurality of pipes to form a pipe holder when the lid is open. The strip is enclosed in the interior of the box when the lid is shut.

Below the box is disposed a pair of hingedly connected flaps connected in series. The first flap is connected to the bottom of the box and to the second flap, which has a loose and notched front edge.

A means has a first state and a second state. The means keeps the flaps supported flush against the bottom of the box when in the first state, and keeps the second flap perpendicular to the first flap when the first flap hangs down vertically and the means is in the second state.

Thus, when the means is in its second state, the second flap forms a notched horizontal ledge which can hold pipes. When the means is in the first state, the flaps fold up flush against the bottom of the box for easy storage.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** shows the invention in its fully folded state.

Flg. **2** shows the invention in its fully unfolded state.

FIG. **3** shows the details of the hinged attachment of the lid to the box.

FIG. **4** shows construction details of the invention.

FIG. **5** shows the invention hanging on a wall.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

A hollow rectangular box **10** has a horizontal floor **20,** and a lid **30** attached to the top of the box by a pair of hinges **40.** When the lid is open, an opening with straight top and bottom edges **50** and **60** and forwardly and downwardly extending side edges **70** is formed, revealing a flat horizontal strip **80** that projects forwardly from the top edge and bears a plurality of regularly spaced notches **90.** As can be seen in FIG. **4,** these notches can support the stem of a smoking pipe **100,** whose bowl is disposed in a recess **110** in the floor. For each notch on the strip there is a corresponding recess on the floor.

Hingedly attached to the rear of the floor is a flat rectangular first flap **120** that is attached to the floor along its rear edge by hinge **130.** The front edge of flap **120** is hinged to the rear edge of second flap **140** by hinge **150.** Flap **140** is also flat and rectangular, and the flaps are so shaped that both flaps are congruent to the floor when allowed to lie flat.

One end of an elongated arm **160** is pivotally secured to the side of flap **120.** The other end of the arm bears a hole, which can engage either pin **170** or pin **180.** Pin **170** is disposed on the box, and when the arm is engaged therewith, supports both flaps, flush against the floor. When the arm is engaged with pin **180,** which is disposed on the second flap, the two flaps are kept mutually perpendicular, with the first flap hanging vertically downwardly from the floor. Since the second flap bears a plurality of notches **190,** more pipe storage space can be provided with the arm engaged with pin **180.** To transport the device, the lid is folded down, and pin **170** is engaged by the arm, folding the flaps up against the floor.

While the invention has been described with detailed reference to the drawings, the protection sought is to be limited only by the terms of the claims which follow.

I claim:

1. A pipe holder, comprising:

a hollow rectangular box with a horizontal floor and an opening in its top and front, the opening having straight top and bottom edges an forwardly and downwardly curving side edges;

a flat horizontal strip projecting forwardly from the top edge of the opening, and bearing a plurality of regularly spaced notches;

a lid hingedly secured to the top edge of the box, the lid being so shaped as to close off the box when the lid is closed into a hollow rectangular box that encloses the strip in its interior;

a rectangular flat first flap with front and rear edges, the first flap being hingedly secured at its rear edge to the floor of the box and extending downwardly and forwardly therefrom;

a rectangular flat second flap with front and rear edges, the second flap being hingedly secured at its rear edge to the front edge of the first flap and bearing a plurality of regularly spaced notches along its front edge; and

means having first and second states, the means supporting both flaps in a horizontal plane below the floor when in the first state and supporting the second flap in a horizontal plane when the first flap is hanging downwardly in a vertical plane, when the means is in the second state.

2. The device of claim **1** wherein the means includes a pin disposed on the second flap, a pin disposed on a side wall of the box, and an arm pivotally secured to the first flap and detachably securable to either pin.

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