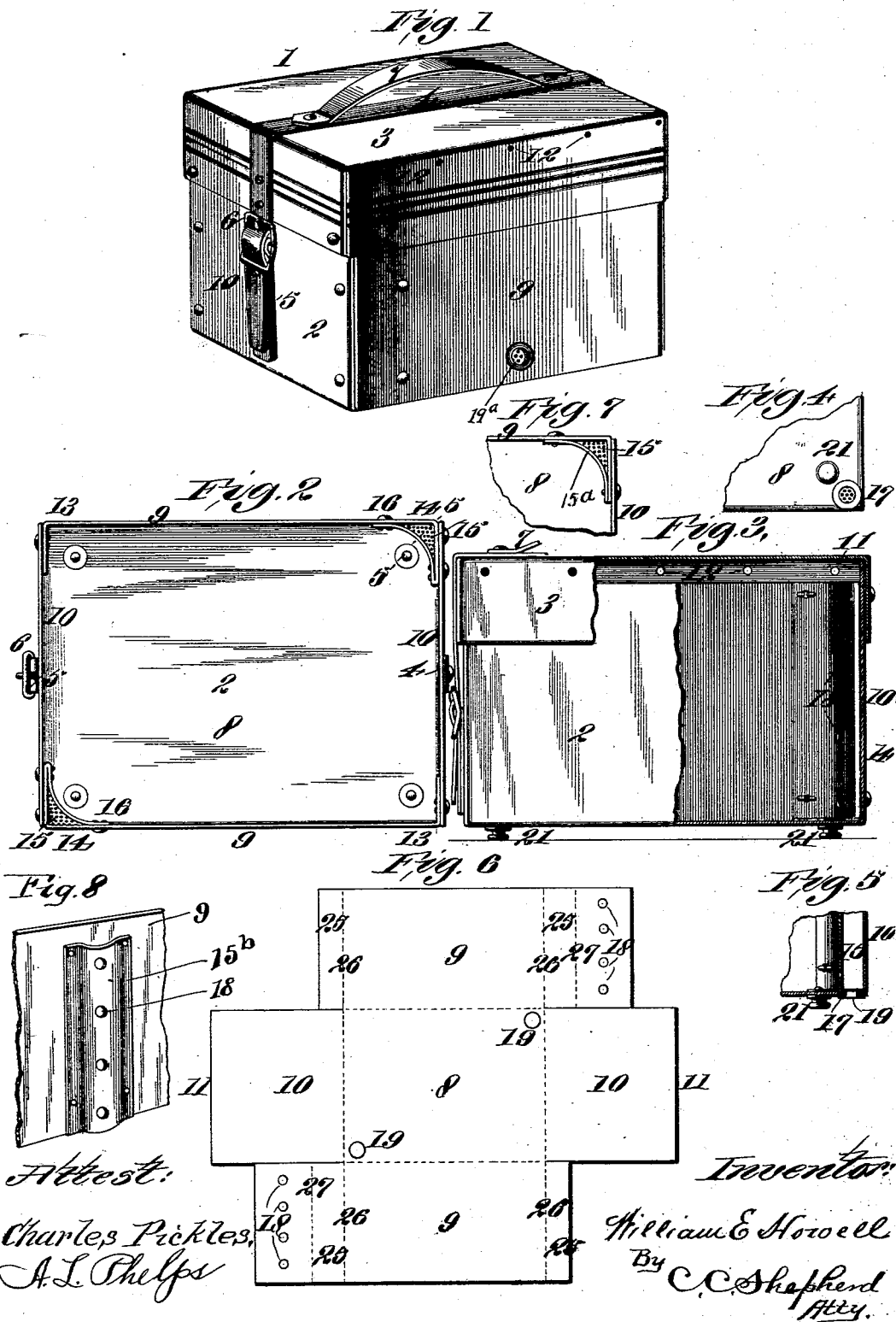


(No Model.)

W. E. HOWELL.
VENTILATED RECEPTACLE.

No. 572,167.

Patented Dec. 1, 1896.



UNITED STATES PATENT OFFICE.

WILLIAM EDWIN HOWELL, OF LOS ANGELES, CALIFORNIA.

VENTILATED RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 572,167, dated December 1, 1896.

Application filed October 9, 1895. Serial No. 565,140. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM EDWIN HOWELL, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a certain new and useful Improvement in Ventilated Receptacles, of which the following is a specification.

My invention relates to the improvement of receptacles, but has particular relation to that class of ventilated receptacles which are adapted for use as lunch-boxes.

The first object of this invention is to produce a receptacle that may be of convenient and substantial structure for the storage of perishable or taintable articles, where a free and unobstructed circulation of air is necessary from the exterior through the interior and thence to the exterior; the second, to construct a receptacle of a single piece with reinforced corners providing vent-passages from the bottom to top and a suitable telescoping cover therefor that will permit of free air exit from the interior.

In the accompanying drawings, Figure 1 is a perspective view of one form of receptacle, such as would be used as a lunch-box. Fig. 2 is a plan view of the lower part of the receptacle. Fig. 3 is a detail side view, with parts broken away, illustrating the interior construction. Fig. 4 is a detail view of the bottom at one corner. Fig. 5 is a detail vertical section of one corner on the line 5 5 of Fig. 2. Fig. 6 is a view of the blank to form the receptacle, the line of folds indicated by dotted lines. Fig. 7 is a detail view of a modified construction of one corner, and Fig. 8 is a detail view in perspective of a modified arrangement of air-duct.

Similar numerals refer to similar parts throughout the several views.

1 is the receptacle, consisting of the bottom section 2 and the top or cover 3, secured to the lower section. At one end is a strap or bail 4, adapted to pass over the lid and thence secured to the section 5 by a buckle or other suitable means 6. The said strap 4 is provided with a handhold 7, secured thereto.

The construction of the lower section 2 is as follows: 8 represents the bottom, having the side pieces 9 extending upward; 10, the

end pieces, extending upward a short distance above the sides, as shown in section at 11, Figs. 3 and 6, the purpose of the extension being to form a seat for the cover 3 and upon which it rests. The upper portion of the cover 3 is provided with air openings or perforations 12.

The form of the box here shown being rectangular, two of the corners 13 are secured together by turning in a portion of the sides and secured to the end pieces by rivets, stitching, or other means. The construction of the other two corners 14 may be such as to provide an air-duct 15, extending from bottom to top, and formed as follows: A portion of the sides being folded in and secured to the end pieces by rivets or otherwise, the remaining portion of said side, remaining unsecured, is then folded back and secured to the side at 16, thus providing the air-ducts 15. These air-ducts may, however, be formed by securing a separate vertical strip 15^a across the corner of the box, as indicated more clearly in Fig. 7 of the drawings, or said ducts may be formed at any desired point on the inner wall of the box by securing the sides of a vertically-arranged and inwardly-bent strip 15^b to the inner side of the box, as indicated in Fig. 8 of the drawings. Along the vertical wall of the said ducts are a series of perforations 18.

19 represents a ventilating-opening which, as indicated in Fig. 4 of the drawings, may be formed in the bottom of the box, or, as indicated in Fig. 1 at 19^a, may be formed in the side thereof near its lower portion, said ventilating-opening being adapted to communicate with the lower end portion of the above-described air-ducts. Each of these openings is provided with a hollow reinforcing-eyelet 20, over which is placed a piece of gauze or perforated metal 17, through which the air will pass upward into the interior of the air-duct.

21 are feet secured to the bottom of the receptacle 2, thus providing for a free circulation of air beneath the said receptacle and at all times allowing of free air access to the air-ducts 15.

In Fig. 6 the parts designated as 25 are such portions of the side as are secured to the ends,

and the fold is made on the dotted line 26, the fold of the return portion being made on dotted line 27.

5 Air-ducts may be formed at the four corners by following out the line of construction as herein described for two corners. All that is necessary is to so form the blank with that object in view.

10 By reference to Fig. 3 the object and purpose of the feet may be readily seen to raise the body of the receptacle from the base-line, leaving an air-space beneath, with which the air-duct communicates, that the same may at all times be open at the bottom to the exterior
15 and open at the top to the interior, permitting of a free and unobstructed circulation through the ducts to the top, and also with the perforations 18 in the wall thereof, and by the use of the extended ends preventing the
20 cover resting on the sides a free exterior circulation is attained.

In some of its features my invention has relation to my former patent on lunch-cans, No. 543,095, and dated July 23, 1895.

Having now fully described my invention, 25 what I claim, and desire to secure by Letters Patent, is—

1. In a receptacle the lower portion of which is made of a single piece and air-ducts formed integral therewith and on the inner side or 30 corners thereof, openings in the lower portion to register with said ducts and perforations in the inner wall of said ducts, substantially as and for the purpose specified.

2. The blank for a receptacle consisting of 35 one piece to be folded to form the sides, and the ends with extensions and the parts to form the corner and parts to form the air-ducts.

WILLIAM EDWIN HOWELL.

In presence of—

H. B. BRADSHAW,
C. M. VOORHEES.