(No Model.)

L. C. COREY.

CAN, PAIL, &c.

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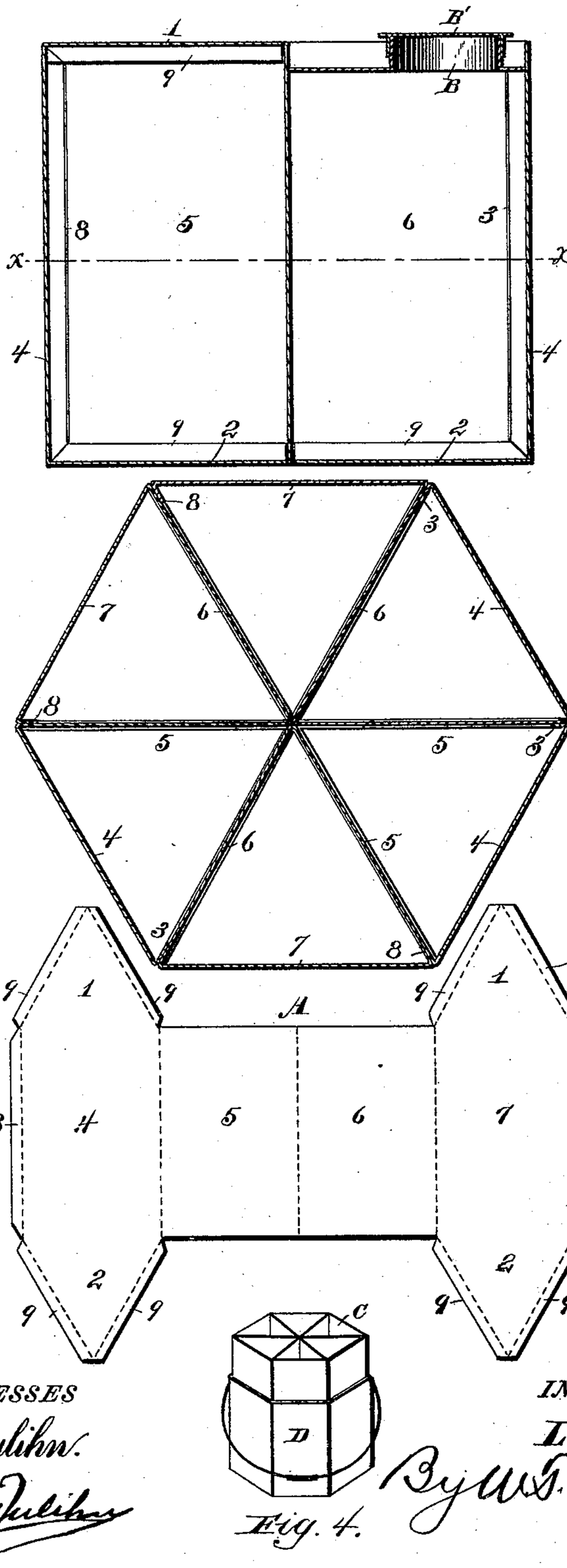

Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

WITNESSES

Louis G. Julihn.

Eric G. Julihn

INVENTOR

Leonel C. Corey.

By W. S. Fitzgerald & Co.
Attorneys

UNITED STATES PATENT OFFICE.

LEONEL C. COREY, OF WAVERLY, NEW YORK.

CAN, PAIL, &c.

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To all whom it may concern:

Be it known that I, LEONEL C. COREY, a citizen of the United States, residing at Waverly, in the county of Tioga and State of New York, have invented certain new and useful Improvements in Cans, Pails, and Like Portable Receptacles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in cans, pails, and like portable receptacles.

The object of the invention is to obtain a device of the character named which will consist of several separate and distinct compartments connected together in such a way as to form substantially but a single article, and a further object is to reduce to a minimum the amount of material to be used in the construction of the device; and to the accomplishment of the above the invention consists in forming a series of compartments out of sheets or blanks so constructed and arranged that each fold of the sheet serving to form one of the inner walls acts as a wall between two compartments, both sides thereof being thus utilized; and the invention further consists in the peculiar form of the blanks from which the several compartments are formed and the novel manner in which such blanks are folded to form the walls, bottoms, and covers of such compartments, as will be described; and the invention further consists in certain details of construction, all of which will be fully hereinafter described, and pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical section of the device. Fig. 2 is a horizontal section taken on line *x x* of Fig. 1. Fig. 3 is a plan of the blank, from three of which the device shown in Figs. 1 and 2 is formed; and Fig. 4 is a perspective view of a modified form.

Like letters and figures refer to like parts in the several views.

In the drawings, Fig. 3, A represents a blank, which consists of a sheet of tin or other suitable material cut to form a main or body part, preferably rectangular in form, the sheet being formed on its top and bottom edges at points near its ends with wings 1 1 and 2 2, the wings 1 being located on the top edge at opposite ends and wings 2 2 on the bottom edge at opposite ends, all such wings being preferably triangular in form. The main or body part of the blank, which in use is intended to form the sides of the different compartments or vessels, is creased and bent so as to form sections 3, 4, 5, 6, 7, and 8, the end sections 3 and 8 being very narrow as compared with the remaining sections, which are of uniform size. The several wings 1 and 2 are also creased along their inclined edges, as shown, the flanges 9 being thus formed, and such wings are also creased at their points of junction with the sections 4 and 7 of the main blank. To form one part of the device from the blank above described, one wing 2 is bent until it occupies a position at right angles to the section 4, of which it forms a part, the wing thus bent serving as the bottom to one compartment, of which section 4 is one side. The sections 9 of wing 2 are then bent until they are at right angles to the wing, two vertical flanges being thus formed. The section 5 is then bent until it and section 4 form two sides of a triangle, with the angle at the point of juncture of the two sections. The section 6 is then bent until such section forms the third side of a triangle, one edge of this section and one edge of the section 4 being brought together. Section 7 is then bent to form one side of a second triangle, of which section 6 also forms a side, the wing 2 being bent at right angles to such section 7 to form the bottom of a second compartment, of which sections 6 and 7 form two sides, the flanges 9 of such wings being upturned to form vertical flanges, as described in connection with the other wing 2.

When so much of the device as has been described is formed, the several wings forming the compartments are held together, preferably by means of solder applied to section 3 where it overlaps section 7 and to the vertical flanges formed by flanges 9 of wings 2 where such flanges press against opposite sides of section 6. In forming so much of the device as thus far described two tops are provided, one for the completed compartment and one for the partly-completed compartment, these tops being formed by wings 1 being suit-

ably bent upon their respective sections, as described in connection with wings 2 for forming the bottoms, the flanges 9 of such wings being likewise formed into depending flanges, which, if the compartment is to be sealed, may be soldered to the sides thereof or may serve as hinged covers.

To complete a device such as shown in Figs. 1 and 2, two more blanks are used, such blanks being bent as above described. The three are then placed together so that what has been described as section 5 would form the third side of the incomplete compartment, as shown in Fig. 2, the several blanks being securely held together by solder applied where section 8 overlaps section 4, the flanges 9 on the wings forming the bottoms also being soldered to the sections adjacent thereto.

By the above-described construction and arrangement of parts it will be seen that I obtain six separate and distinct compartments out of three blanks, each of such compartments being provided with a bottom and cover; but it must be understood that I do not desire to confine myself to the use of blanks adapted to form the covers and bottoms, both of which can be made out of separate pieces, if desired, the tops being hinged or fitted on like caps, as may be desired, as shown at B in Fig. 1, in which case I prefer to employ the shield B′, which is useful when the compartment is to be sealed. I thus provide an article of manufacture in which a number of distinct cans or pails are combined, each one of which can be used independent of the other, the article thus secured being especially useful and convenient where several articles of different characters are to be carried or where paints of different colors are to be handled, the several compartments being formed from a small quantity of material, both sides of which are brought into use, economy in material, in space, and in weight being thus obtained.

In Fig. 4 I have shown a modified form in which there is a series of triangular-shaped vessels C, arranged in a common carrier D, which latter is provided with a suitable handle.

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

1. As a new article of manufacture, a can or vessel having a series of compartments with intervening walls and formed of blanks, each consisting of a rectangular body portion provided with side wings having triangular end portions, the sides of each of said end portions corresponding with the width of the respective sides of the compartments, substantially as and for the purposes specified.

2. A blank for forming a can or vessel, consisting of a rectangular portion 5 and 6, with a central crease, and the wings 4 and 7, with triangular ends 1 and 2, the sides of each of said triangular ends corresponding with the width of the respective portions 4, 5, 6, and 7, said parts being combined and arranged as and for the purposes specified.

In testimony whereof I affix my signature in presence of two witnesses.

LEONEL C. COREY.

Witnesses:
A. K. GORE,
CHAS. E. CRISPIN.