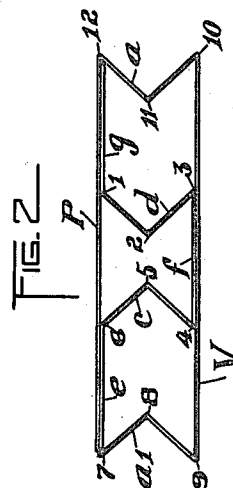
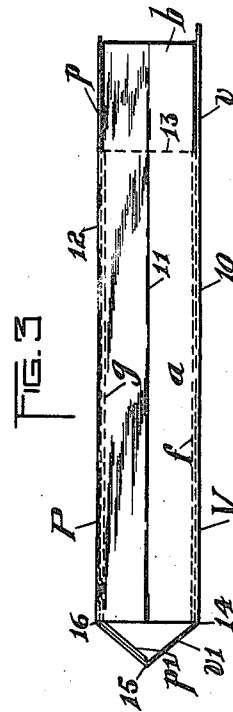
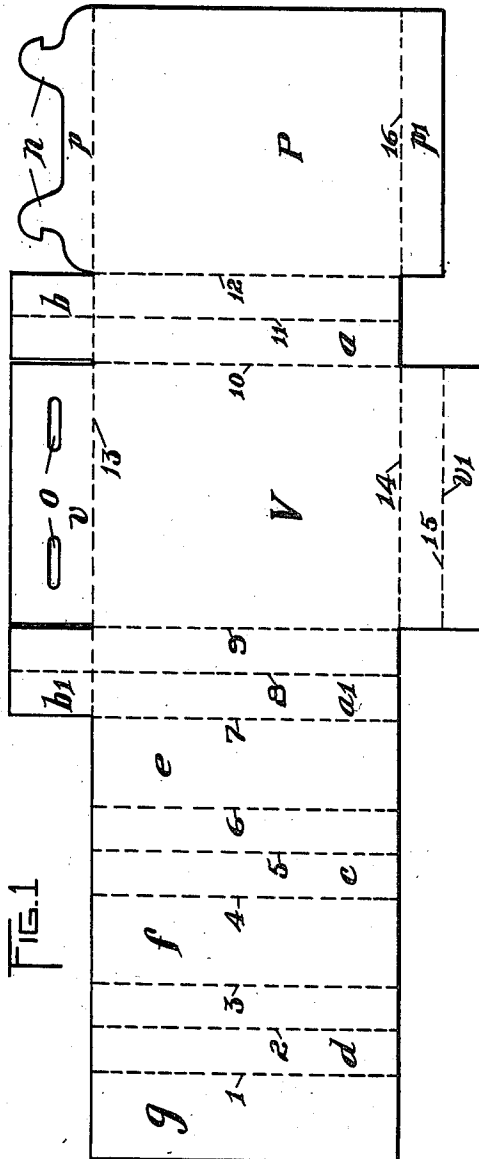


J. B. MILLER.
CELL CASE AND BLANK THEREFOR.
APPLICATION FILED DEC. 19, 1910.

1,014,081.

Patented Jan. 9, 1912.

2 SHEETS—SHEET 1.



WITNESSES:
Martha M. Nelson
Osborne F. Gurney

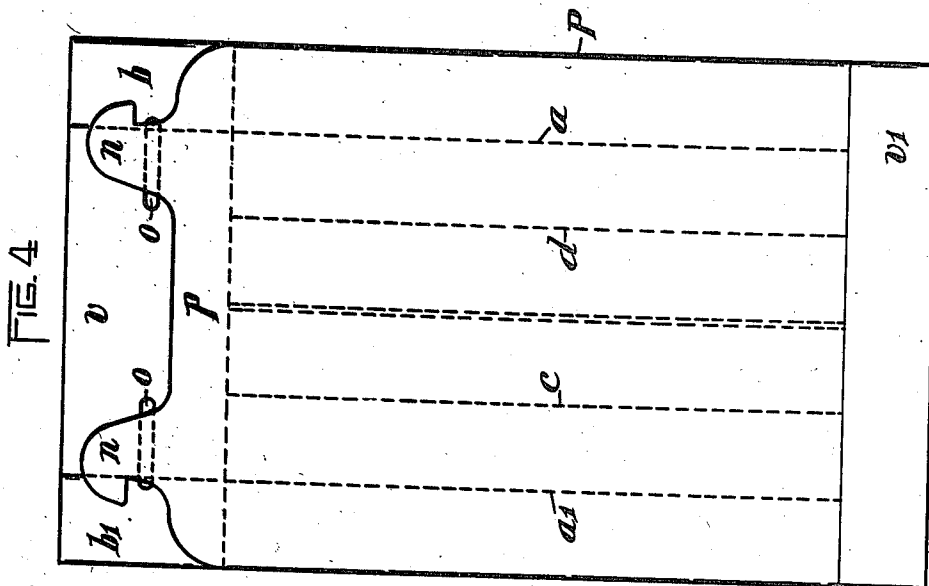
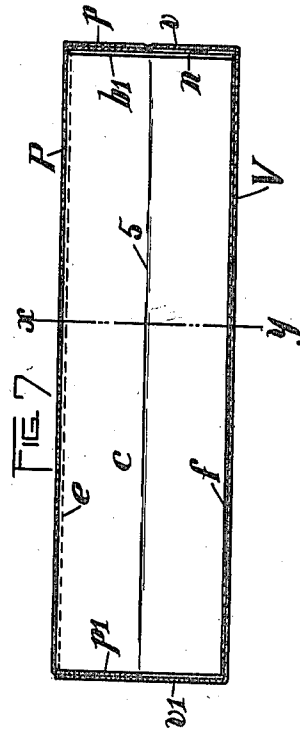
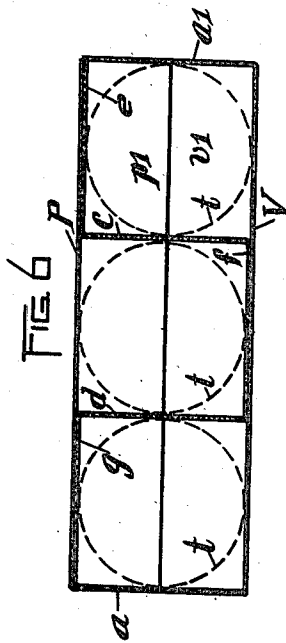
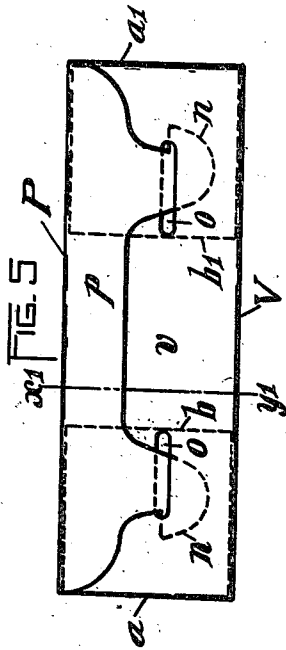
INVENTOR:
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BY Wm. H. Cooley. ATTY.

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2 SHEETS-SHEET 2.



WITNESSES:
Martha M. Nelson
Osborne F. Gurney

INVENTOR:
James B. Miller
BY W. H. Corley ATTORNEY

UNITED STATES PATENT OFFICE.

JAMES B. MILLER, OF ROCHESTER, NEW YORK.

CELL-CASE AND BLANK THEREFOR.

1,014,081.

Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed December 19, 1910. Serial No. 598,097.

To all whom it may concern:

Be it known that I, JAMES B. MILLER, a citizen of the United States, and a resident of Rochester, in the county of Monroe and State of New York, have invented a new and Improved Cell-Case and Blank Therefor, of which the following is a specification.

This invention relates to cell cases of the collapsible type and has reference, in the embodiment thereof shown in the accompanying drawings, to cell cases adapted to use as receptacles for bottles or like articles.

The object of my present invention is to provide a collapsible receptacle of the character described which may be economically formed from a single one piece blank.

With this object in view my invention comprises the features set forth in the following specification, reference being made to the accompanying drawings in which,—

Figure 1 is a plan view of the blank. Fig. 2 is a view of a partially folded up blank as seen from the open bottom end of the carton or cell case. Fig. 3 is a side view of the case with the upper end flaps opened outwardly and with the bottom members secured together, the case being partially collapsed to substantially the same extent shown in Fig. 2. Fig. 4 is a plan view of the completely formed case in its collapsed condition. Fig. 5 is a top end view of the case as it appears when in use and closed, while Fig. 6 is a transverse sectional view of the cell case taken along the line $x-y$ of Fig. 7 and Fig. 7 shows a longitudinal sectional view of the case taken along the line $x'-y'$ of Fig. 5.

Similar parts are designated by similar reference characters throughout the several figures of the drawings.

Referring to the drawings—Fig. 1 shows in plan view a blank from which there may be formed up a cell case in accordance with my invention, the general contour of which is substantially such as seen in Fig. 1 except that the contour will naturally be modified to meet the different forms and proportions in which the completed cell case may be made. This blank is scored along the lines 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16 and has slots o cut therein to receive the locking members n . The blank comprises, then, two main side members P and V flexibly connected by a side member a along the score lines 10 and 12 and this member a is foldable along the score line 11

extending longitudinally through the center thereof. A similar side member a^1 is seen on the left hand side of the member V flexibly connected thereto along the score line 9 and foldable along the longitudinally centrally disposed score line 8. This side member a is flexibly connected to the partition forming and supporting members c, d, e, f and g along the score line 7, such partition forming and supporting members c, d, e, f and g comprising collapsible partitions c and d and attaching members e, f and g —the members c, d, e, f and g adapted to be folded up to assume the positions indicated in Fig. 2. To the members e and g and to the member f cement is applied and the parts are folded to the positions indicated in Fig. 4 and pressed together to cause the cemented parts to firmly adhere. This results in a box or carton of the character clearly shown in Fig. 4 in its collapsed condition,—such a carton may be opened by forcing the side members V and P apart for the insertion in the spaces, that is, in the three cells in the formed up box, of bottles t or any suitable commodity after which the flaps b and b^1 are bent downwardly over the open ends of the two outermost cells and thereafter the flaps v and p are folded down with the locking members n carried by the flap p inserted through the slots o therefor in the member v as clearly indicated in top view in Fig. 5.

The relations of the partitions forming and supporting strips are clearly seen in sectional view in Fig. 6 and the relations of the side and top and bottom end members in the opened case are clearly indicated in Fig. 7.

It is believed from the foregoing description of the blank and the method of forming up my cell case therefrom that the method of using such a cell case is sufficiently clear to call for no further description herein.

What I claim is:

1. A box for the purpose described formed from a blank comprising the following members arranged *seriatim* in straightened out relation, viz.,—a first side member carrying at its opposite free edges end flaps for the box; flexibly secured to the first side member a collapsible side member and flexibly connected thereto in turn a side member corresponding to and adapted to lie opposite to the first named side member and

having on opposite ends end flaps cooperating with the end flaps on the first named side member; flexibly connected to such last named side member a second collapsible side member corresponding to and adapted to lie opposite to the first named collapsible side member and flexibly connected therewith an attaching member adapted to be secured to and lie parallel with the first named side member and flexibly connected therewith a collapsible partition member and flexibly connected therewith in turn a second attaching member similar and corresponding to the first named attaching member and adapted to lie parallel with and be connected to the third named side member.

2. A box for the purpose described formed from a blank comprising the following members arranged *seriatim* in straightened out relation, viz.,—a first side member carrying at its opposite free edges end flaps for the box; flexibly secured to the first side member a collapsible side member and flexibly connected thereto in turn a side member corresponding to and adapted to lie opposite to the first named side mem-

ber and having on opposite ends end flaps cooperating with the end flaps on the first named side member; flexibly connected to such last named side member a second collapsible side member corresponding to and adapted to lie opposite to the first named collapsible side member and flexibly connected therewith an attaching member adapted to be secured to and lie parallel with the first named side member and flexibly connected therewith a collapsible partition member and flexibly connected therewith in turn a second attaching member similar and corresponding to the first named attaching member and adapted to lie parallel with and be connected to the third named side member; flexibly connected to such last named attaching member a second collapsible partition member and flexibly connected therewith in turn a third attaching member adapted to lie parallel with and be connected with the first named side member.

JAMES B. MILLER.

Witnesses:

MARTHA M. NELSON,
OSBORNE F. GURNEY.