R. REY.

CIGAR CONTAINER.

APPLICATION FILED JAN. 22, 1914.

1,108,005.

Patented Aug. 18, 1914.

2 SHEETS—SHEET 1.

Fig. 1.

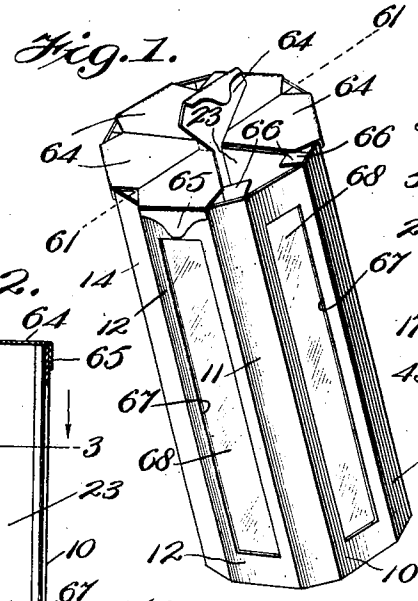


Fig. 3.

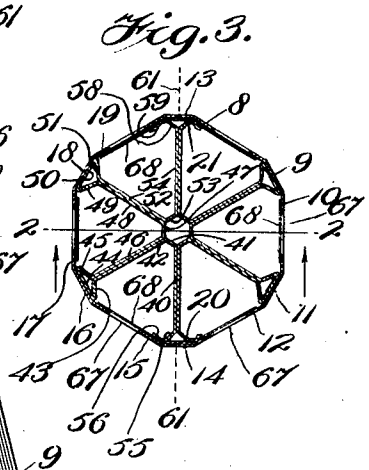


Fig. 2.

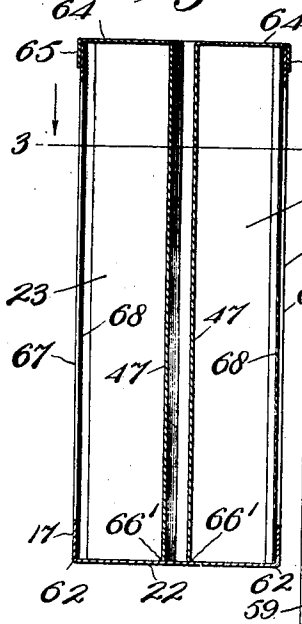


Fig. 4.

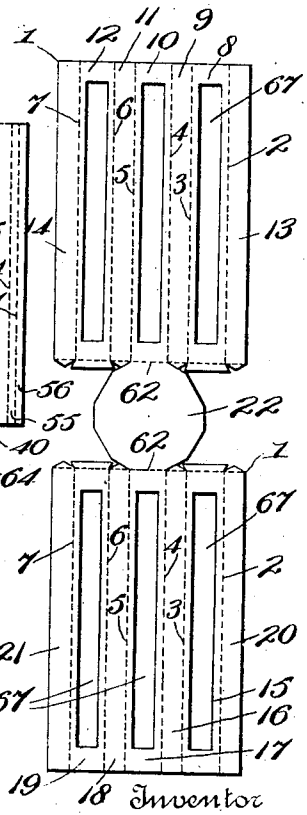


Fig. 5.

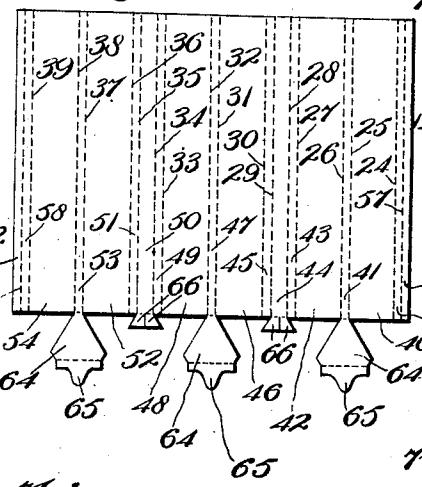
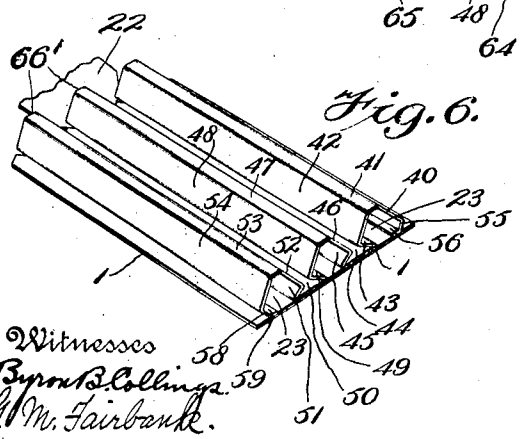


Fig. 6.



Witnesses

Byron B. Collings.

G. M. Fairbanks.

Inventor

R. Rey by

Attorney

R. REY.

CIGAR CONTAINER.

APPLICATION FILED JAN. 22, 1914.

1,108,005.

Patented Aug. 18, 1914.

2 SHEETS—SHEET 2.

Fig. 8.

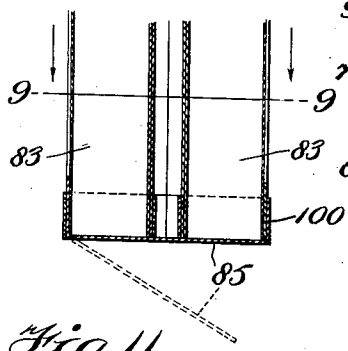


Fig. 7.

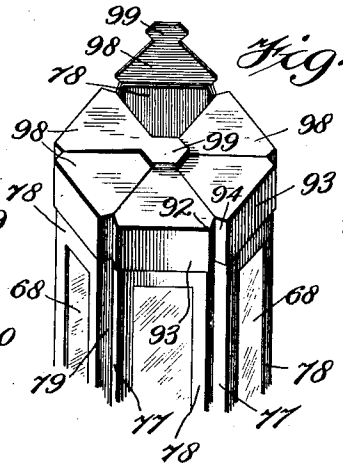


Fig. 9.

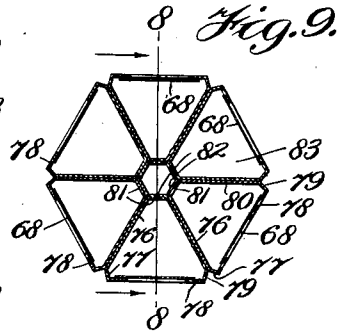


Fig. 11.

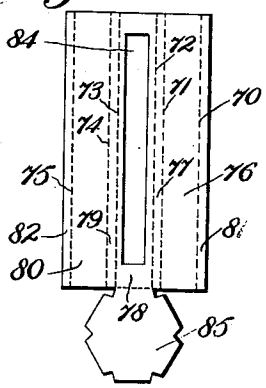


Fig. 12.

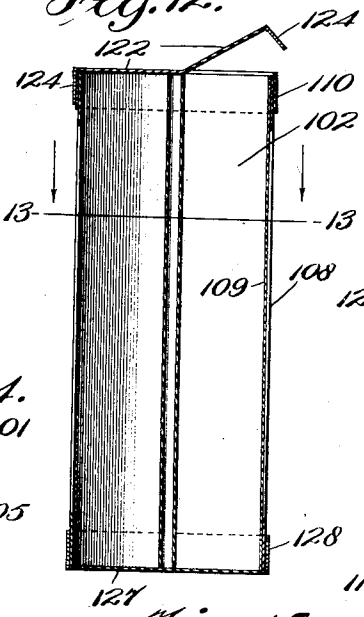


Fig. 10.

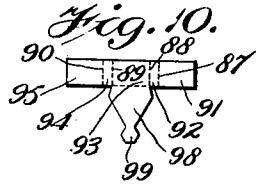


Fig. 13.

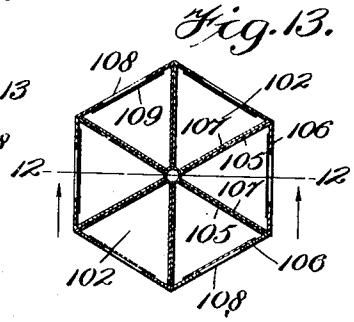


Fig. 14.

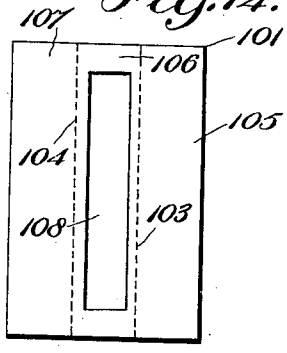


Fig. 16.

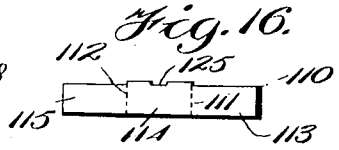


Fig. 15.

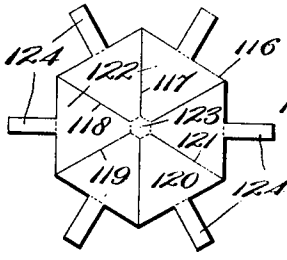
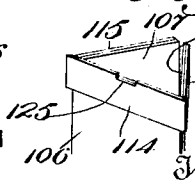


Fig. 17.



Witnesses

Byron B. Collings.

G. M. Fairbank.

Inventor

R. Rey by

F. W. Wilkinson

Attorney

UNITED STATES PATENT OFFICE.

RAMON REY, OF TAMPA, FLORIDA.

CIGAR-CONTAINER.

1,108,005. Specification of Letters Patent. Patented Aug. 18, 1914.

Application filed January 22, 1914. Serial No. 813,714.

To all whom it may concern:

Be it known that I, RAMON REY, a citizen of the United States, residing at Tampa, in the county of Hillsboro and State of Florida, have invented certain new and useful Improvements in Cigar-Containers; 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.

This invention relates to containers adapted for general use, but especially suitable for holding cigars, and has for its object to provide a package or casing which will be simple in construction, efficient in use and comparatively inexpensive to manufacture.

With these and other objects in view, the invention consists in the novel details of construction and combinations of parts more fully hereinafter disclosed, and particularly pointed out in the claims.

Referring to the accompanying drawings forming a part of this specification, in which like numerals designate like parts in all the views:—Figure 1 is a perspective view of the preferred form of a container or package made in accordance with my invention; Fig. 2 is a longitudinal sectional view taken on the line 2—2 of Fig. 3; Fig. 3 is a cross sectional view taken on the line 3—3 of Fig. 2; Fig. 4 is a plan view of a blank out of which the body portion of the package illustrated in Fig. 1, may be formed; Fig. 5 is a plan view of a blank out of which the cells of my package may be formed; Fig. 6 is a perspective view of a portion of the blank shown in Fig. 4, with the cells shown in Fig. 5 attached thereto; Fig. 7 is a perspective view of a portion of a modified form of my invention; Fig. 8 is a sectional view of the parts shown in Fig. 7, taken on the line 8—8 of Fig. 9; Fig. 9 is a sectional view taken on the line 9—9 of Fig. 8; Fig. 10 is an elevational view of a cap with which each cell is provided; Fig. 11 is a plan view of one of the blanks out of which one of the cells in the form shown in Fig. 7, is made; Fig. 12 is a sectional view taken on the line 12—12 of Fig. 13 showing a still further modified form of my invention; Fig. 13 is a sectional view taken on the line 13—13 of Fig. 12; Fig. 14 is a plan view of the blank out of which the cells in Figs. 12 and 13 are made; Fig. 15 is a plan view of the cap which is applied to the cells in Fig. 12 after they have been assembled; Fig. 16 is a plan view of a blank for forming a ring to go around each of the separate cells; and Fig. 17 is a perspective view of a separate cell with the ring illustrated in Fig. 16 applied thereto.

Referring to Figs. 1 to 6 of the drawings, 1 indicates a blank which is preferably made of paper and provided with two parts joined by a circular shaped member 22 as illustrated. Each member of the blank 1 is scored or perforated as along the lines 2, 3, 4, 5, 6 and 7 forming in one member of the blank the walls 8, 9, 10, 11 and 12, as well as the flaps 13 and 14 as will be clear from Fig. 4. The said perforated or scored lines numbered from 2 to 7 in the other member of the blank form the walls 15, 16, 17, 18 and 19, as well as the flaps 20 and 21. The cells 23 are formed from the blank shown in Fig. 5, and are placed on each member of the blank 1, as plainly shown in Fig. 6. The blank illustrated in Fig. 5, from which these cells are formed, is provided with the scored or perforated lines 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 and 39 forming the walls 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53 and 54. In addition to the above, the wall 40 is provided with the flaps 55 and 56 separated by the weakened line 57 and the wall 54 is provided with the flaps 58 and 59 separated by the weakened line 60. A pair of blanks thus formed is next folded or bent so as to form the cells 23 illustrated in Fig. 6 and then pasted or otherwise secured to each of the members of the blank 1 so as to form the box or package illustrated in Figs. 1, 2 and 3. A box or package thus formed can be opened out or divided into halves by separating the cells along the dotted line 61 in Fig. 3, since the flaps 14 and 20 are not secured to each other but loosely overlie each other. When the box is thus separated along a line such as 61 in the plane passing longitudinally of its axis, Fig. 1, the two halves containing three cells each fold outwardly on the connecting member 22, so that they will lie out flat as do the two members of the blank 1 in Fig. 4, thus forming two groups of cells with three cells in each group of the same general character as those shown in Fig. 6. When the groups of cells are folded up on the member 22,

to form the box shown in Fig. 1, each group of cells or each member of the blank 1 will fold along the line 62 between the member 22 and the members of the blank 1, so that the member 22 forms a bottom closure for the box as a whole, as will be clear from Figs. 2 and 4. In order to close the top of the box I provide the walls 41, 47 and 53 of the blank shown in Fig. 5 with the triangular shaped pieces 64 which are adapted to fit over the open ends of the cells 23 as plainly shown in Fig. 1, and thus close the individual cells while not preventing the package to be opened and the cells exposed, as shown in Fig. 6. These triangular members 64 are provided with extensions 65 which may be secured to the outer walls 9, 10, 12, etc., of the box, as by pasting if desired, so that the cells 23 may remain permanently closed at one end, while the other end 66′ of said cells may remain open and the cigars or other articles readily removed therefrom. In order to insure a complete closure of the cells as well as the space between the cells formed by the walls, such as 44 and 50, I further provide the blank shown in Fig. 5 with the small angular pieces 66 which overlap the space between the cells and are in turn overlapped by the triangular members 64, as will be clear from Figs. 1 and 5. I may also, if desired, provide the walls such as 8, 10, 12, 15, 17 and 19 with elongated openings, such as 67, see Fig. 4, and close the said openings as by the transparent pieces 68, see Fig. 3, which enables the cigars or other articles to be seen through the same members 68.

It will now be seen that in the form of my invention illustrated in Figs. 1, 2 and 6 that I provide a multicellular package cylindrical or hexagonal in shape which may be readily opened out longitudinally of its length into two halves, that each of the halves will be provided with a plurality of cells such as are illustrated in Fig. 6; that these said cells may be permanently closed at one end, as illustrated in Fig. 1, while they are left open at their other end 66′, see Fig. 6, so that the cigars or other articles may be readily extracted from said cells; and that when the two halves of the package are folded up along the lines 62, Fig. 4, the hexagonal member 22 will close the bottom of the said cells 23, as clearly illustrated in Fig. 2. It follows from this that the cigars may be kept air-tight or approximately air-tight while the package is in its closed condition, and yet the package may be readily opened at any time to extract the cigars.

In the modified form of my invention illustrated in Figs. 8 to 11, I provide a blank such as is illustrated in Fig. 11, which has the weakened lines 70, 71, 72, 73, 74 and 75 forming the walls 76, 77, 78, 79 and 80, as well as the flaps 81, and 82. A plurality of these blanks are folded so as to form the triangular shaped cells 83, best illustrated in Fig. 9, and contiguous walls such as 76 and 80 of adjacent cells are secured together in any suitable manner as by glue, whereupon a multi-cellular box is produced. The walls 78 of the various cells may be provided with an orifice such as 84, and this orifice may be closed by transparent strips, such as 68, as indicated, in order that the contents of the cells may be readily viewed. One of the blanks, such as that illustrated in Fig. 11, is also preferably provided with an integral hexagonal shaped member 85 which forms a closure for the bottom of the package as indicated in dotted and full lines in Fig. 8, thus permanently closing one end of the package and of each cell. The other end of each cell is preferably provided with a cap member formed from a blank, such as is illustrated in Fig. 10. This blank is provided with the weakened lines 87, 88, 89 and 90 forming the walls 91, 92, 93, 94 and 95, which respectively match with or may be secured to the walls 80, 79, 78, 77 and 76, of the cells 83. This cap member blank illustrated in Fig. 10 is further provided with an integral triangular extension 98 having a small tab 99, and each of these extensions 98 are adapted to overlie a cell and close the end thereof, as will be clear from Fig. 7, the tab members 99 being located in the center of the package and secured together, as will be clear from the drawings. The opposite end of the cells are preferably provided with reinforced ring members 100, which are in all respects the same as the ring member shown in Fig. 10, except the triangular member 98 is omitted. This ring member 100 reinforces the bottom portion of the package and of each cell.

In order to extract cigars or other articles from the package illustrated in Figs. 8, to 11, it is only necessary to loosen the tabs 99 one at a time, bend back the cover members 98, as illustrated, whereupon the cells are opened one at a time and air is not permitted to enter the other cells. When desired, the individual cells may be so secured together in any manner well known as to render them capable of being easily detached from each other, so that a single cigar may be carried in a single cell if the purchaser wishes it. But, of course, if desired, the bottom 85 could be removed and thus uncover all of the cigars at once so that they would all be accessible to the user.

Coming now to the form of my invention illustrated in Figs. 12 to 17, the structure is quite similar to the structure just described, but the blank out of which the individual cells are made is not provided with an integral closing member such as 85, nor are the triangular members, such as 98, provided with

tabs 99, as illustrated. Instead of this construction, the bottom of the package may be closed by a single hexagonal piece, and each cell closed by individual triangular pieces which may be conveniently cut out of a single blank such as is illustrated in Fig. 15. In order that this modified form of construction illustrated in Figs. 12 to 17 may be understood, it is now described as follows:— 101 represents a blank from which individual cells 102 are made and this said blank is provided with the scored lines 103 and 104 forming the walls 105, 106, and 107. A window 108 may be cut out of the wall 106 and the same closed by a transparent member 109 if desired. The individual cells 102 are formed by bending blank 101 into the triangular shapes shown in Fig. 13, whereupon the cells thus produced are secured together in any suitable manner as by pasting contiguous walls, such as 105 and 107 together. I preferably surround the top of each cell with a band formed from the blank 110 shown in Fig. 16, which blank is provided with the weakened lines 111 and 112 forming the walls 113, 114 and 115. The wall 113 may be pasted against the wall 105 of the cell while the wall 114 is pasted against the wall 106 of the cell and the wall 115 is pasted against the wall 107 of the cell, all as will be clear from Fig. 17 of the drawings. After the various individual cells 102 have been thus secured together, and the bands 110 placed thereupon, a cover is provided which is preferably cut from a blank 116, such as is illustrated in Fig. 15. That is to say, this said blank is provided with the severed lines 117, 118, 119, 120 and 121, forming the triangular members 122 adapted to close the individual cells, and the said triangular members integrally unite by means of the unsevered portion 123 at the center of the blank. Each of the triangular members 122 are provided with the flaps or securing members 124 adapted to pass down over the walls 106 of the cells, and to be pasted thereto, so as to hold the closures 122 in place. In order to facilitate this closing of the cells, the band 110 is provided on its wall 114 with a notch 125 adapted to receive the tabs or flaps 124 when in their closing position. The bottom of the package may be closed by a hexagonal shaped member 127, which fits over the ends of all of the cells, and another band 128 may be passed around each individual cell which is in all respects the same construction as the band 110, except the notch 125 is omitted. In withdrawing cigars from this package, illustrated in Figs. 12 to 17, the tabs 124 may be readily disengaged by the thumb nail, the closure 122 raised as is illustrated in Fig. 12, whereupon a single cell will be opened and the cigar may be extracted. But, of course, the entire bottom 127 may be removed so as to expose the open ends of all the cells should it be so desired.

It will be observed that in each of the forms of my invention I provide a cylindrical shaped cigar case having a plurality of cells, as well as being individually closed at one end and collectively closed by a single member at the other end, and that the individual closing members are provided with securing tabs of one form or another which are adapted to detachably secure the closing members in place. It will further be seen that each of the packages disclosed are formed from a plurality of blanks of sheet material, and that each of the cells may be provided with openings closed by transparent material so as to permit the contents of the cells to be viewed before opening the same. It will further be observed that the cells are or may be made practically air-tight, so that when these packages are used for cigars, the cigars will not be so liable to dry out as is the case in packages which are not sealed. It should be likewise noted that by forming my individual cells substantially triangular in cross section, with one of the sides of the triangle secured to the outer wall of the container, and the other two sides left free, I am enabled to fold up the two sets of cells into a round package as shown while at the same time, I can permanently close the outer ends of each cell, and open out said package so that the said inner ends of the cells will lie opposing each other, to facilitate the removal of cigars therefrom. Also, the cells of each set can be laterally moved or separated from each other, and thereby further aid in readily withdrawing the cigars from the inwardly extending open ends 66′ of the cells.

It is obvious that those skilled in the art may vary the details of construction as well as the arrangement of parts without departing from the spirit of my invention, and therefore I do not wish to be limited to the above disclosure except as may be required by the claims.

What I claim is:—

1. In a multi-cellular cylindrical package the combination of a pair of outer walls provided with weakened lines adapting the same to assume a circular form; a round shaped hinging and closing member integral with and joining said walls; a plurality of open ended cells substantially triangular in cross section, each having one side secured to said walls; and individual means integral with said walls for permanently closing one end of said cells, whereby said cells may be opened out into a flat form, or folded up into a cylindrical package, substantially as described.

2. In a multi-cellular cylindrical package the combination of a pair of outer walls

having transparent portions and provided with weakened lines adapting the same to assume a circular form; a round shaped hinging and closing member integral with and joining said walls; a plurality of open ended cells substantially triangular in cross section, each having one side secured to said walls; individual means integral with said walls for permanently closing one end of said cells; and additional means for securing said individual means to said walls, whereby said cells may be opened out into a flat form, or folded up into a cylindrical package, substantially as described.

3. In a container the combination of a set of cells triangular in cross section provided with an individual closure for one end of each cell; a second set of cells triangular in cross section provided with an individual closure for each cell in said second set; and combined closing and hinging means circular in shape connecting said first and second sets of cells, adapted to close the other ends of all the cells in both sets, and to permit the two sets of cells to open out and fold up, substantially as described.

4. In a container comprising two sets of cells, substantially triangular in cross section, the combination of a blank provided with two members forming the outer walls of both sets of cells and having a member circular in shape adapted to close the ends of all the cells, as well as to act as a hinge for said sets of cells; and an additional blank forming the other walls of said cells associated with said two members of said first named blank, substantially as described.

5. A blank for forming the outer walls of a plurality of cells comprising two members, each having a plurality of spaced members for forming the outer walls of a plurality of cells, said spaced members being separated by additional spaced members to receive the folded portions of another blank forming the other walls of said cells; and a combined hinging and closing member circular in shape joining said two blank members, substantially as described.

6. A container for cigars comprising two sets of cells substantially triangular in cross section and open at each end, said cells being hinged together at one end, adapted to be opened out and closed up into a single cylindrical package; and individual triangular shaped means for closing each cell at its unhinged end, substantially as described.

7. A cylindrical container for cigars comprising two sets of radially projecting cells adapted to be closed up and opened out with their open ends opposing each other; a hinge member circular in shape joining said open ends and adapted to close said ends when said sets of cells are closed up to form a single package; and individual closing members for the unhinged end of each cell, adapted to be detachably secured to each cell, substantially as described.

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

RAMON REY.

Witnesses:
J. C. SALAS,
JOHN T. LOPEZ.