March 22, 1955 L. W. BRULIN ET AL 2,704,627

PORTABLE DISPENSING DEVICE

Filed May 5, 1950 3 Sheets-Sheet 1

FIG. 1.

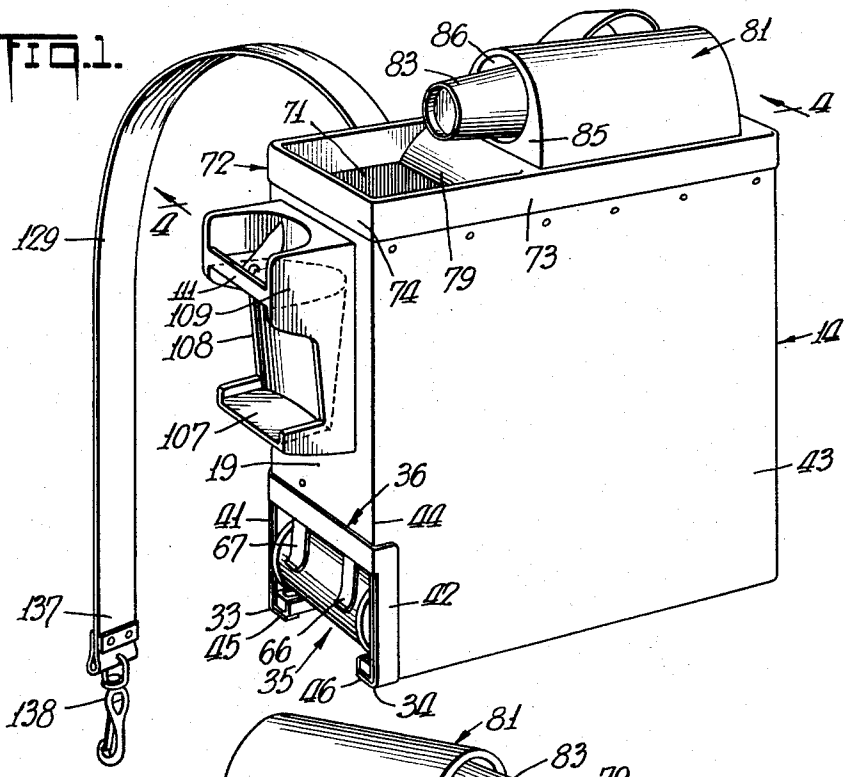


FIG. 2.

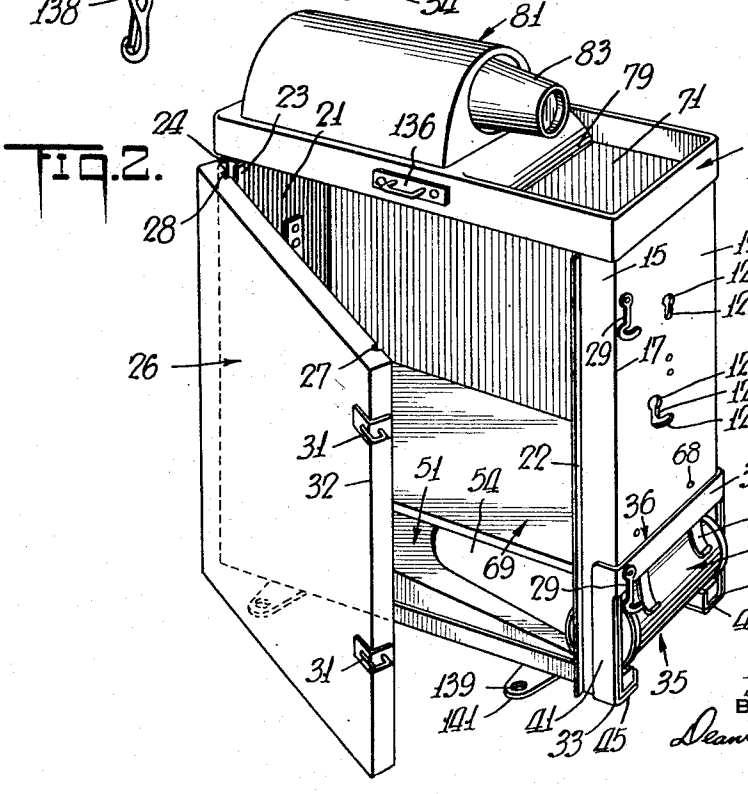
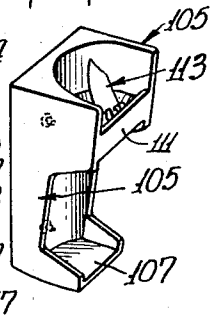


FIG. 3.



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3 Sheets-Sheet 2

FIG. 4.

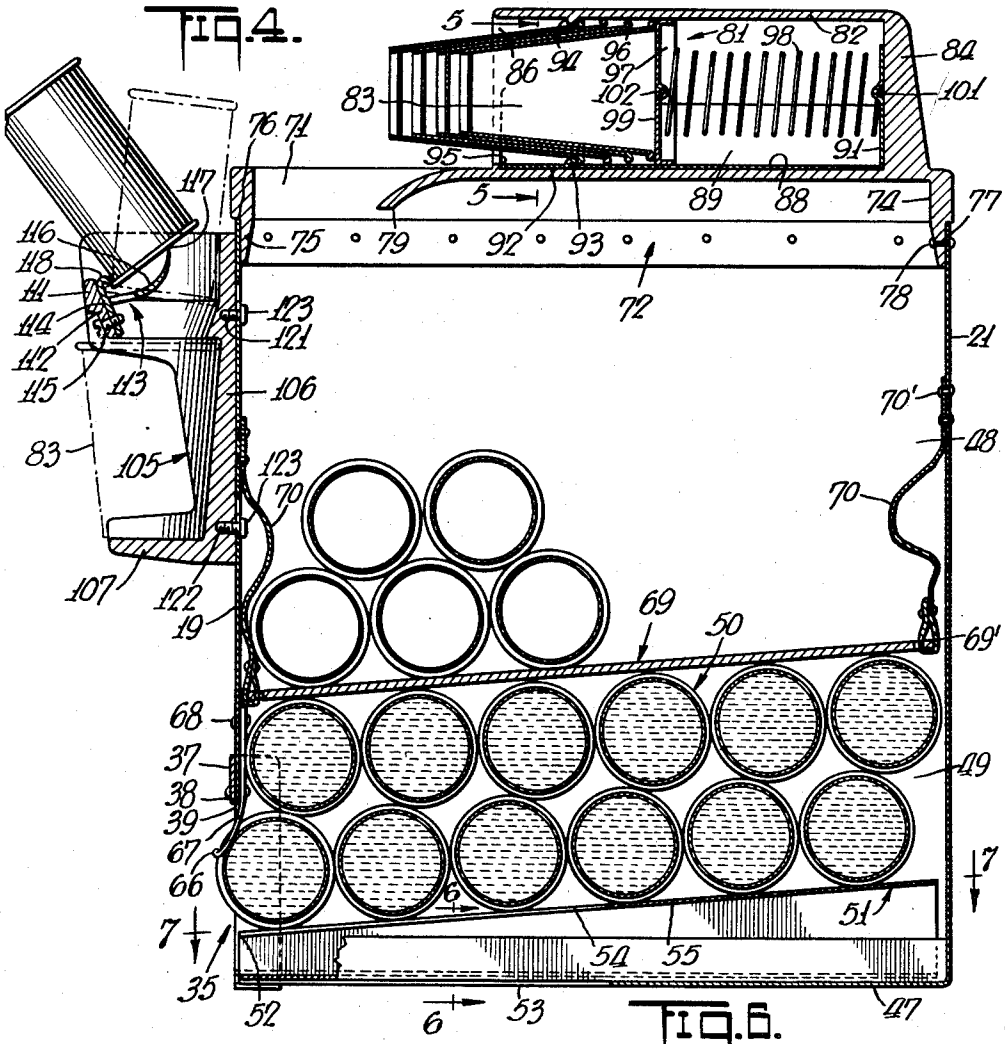


FIG. 5.

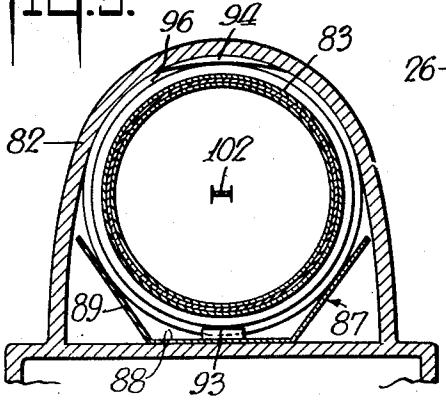
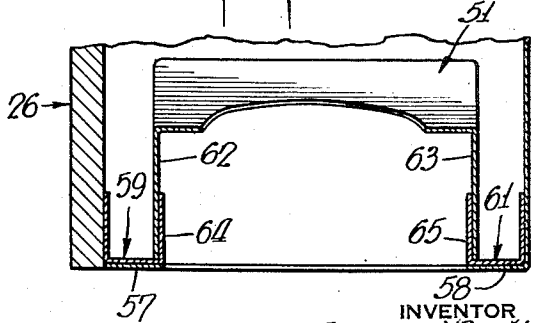


FIG. 6.



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PORTABLE DISPENSING DEVICE

Filed May 5, 1950 3 Sheets-Sheet 3

FIG. 7.

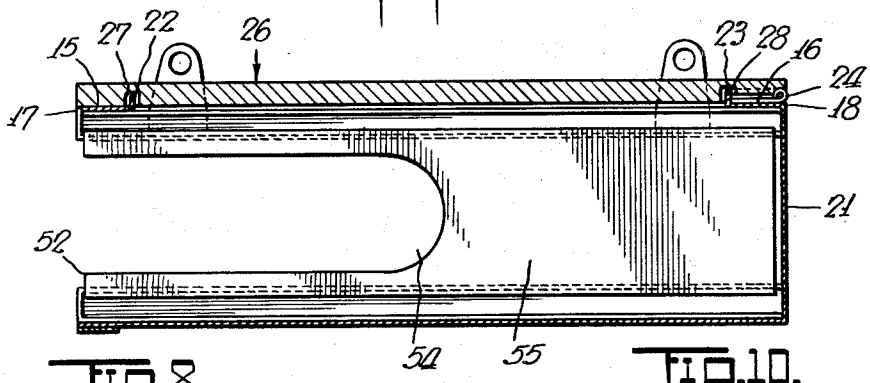


FIG. 8.

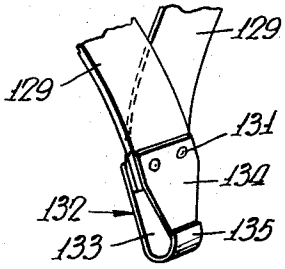


FIG. 9.

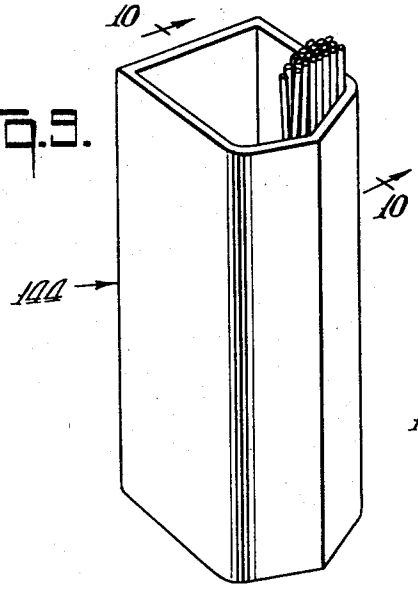
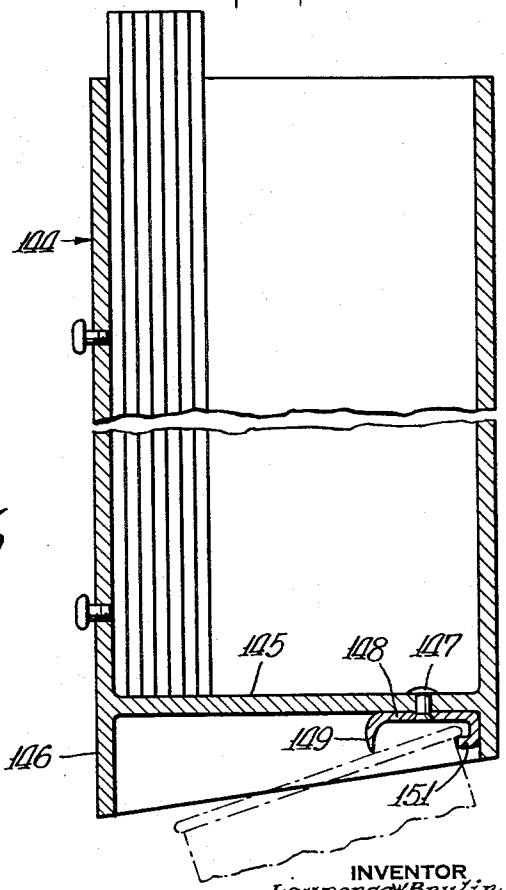


FIG. 10.



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United States Patent Office 2,704,627 Patented Mar. 22, 1955

2,704,627

PORTABLE DISPENSING DEVICE

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Application May 5, 1950, Serial No. 160,233

13 Claims. (Cl. 226—46.1)

This invention relates to portable dispensing devices, more particularly of the type for dispensing beverages from cylindrical cans.

As conducive to an understanding of the invention, it is to be noted that it is generally the rule at baseball games, basketball games, football games, circuses, or similar public events, that no empty metal containers or cans be left with the purchasers of beverages as they may throw such cans with possibility of injury to the players or to other spectators. Hence the vendor must open the can himself, pour the beverage into a suitable receptacle or cup and retain the empty can in his possession.

Where the vendor of such beverages carries the cans containing the same in a basket or similar receptacle, as well as a number of cups into which to pour the beverage after he has opened the can, and where in order for him to dispense the beverage, he must place the basket on the floor, stoop to remove the can from the basket, open the can with a separate opener, pour the beverage into a cup and thereupon put the empty can back into the basket, the dispensing operation in addition to being awkward and tiring to perform, is slow and time-consuming, reducing the number of sales that can be made in a given period of time. In addition as the empty cans put back into the basket become intermingled with the full or unopened cans therein, it will be awkward and time-consuming for the vendor to select an unopened can to dispense. Furthermore, where the cups into which the beverages are poured are grasped by their mouth or rim for removal from the stack in which they are generally carried, the relatively dirty fingers of the vendor will cause the cups to be unsanitary.

It is accordingly among the objects of the invention to provide a portable dispensing device which is simple to operate, compact and relatively light in weight, having but few relatively inexpensive parts which are simple to manufacture and assemble and which are not likely to become out of order and which may readily be cleaned, which device may readily be carried by the vendor without use of his hands and which has an outlet from which he may readily and quickly remove unopened cans of beverage one at a time and open the same without need for placing the dispensing device on the floor and stooping to remove a can therefrom, which device has a compartment for unopened cans and a compartment having an inlet through which empty cans may be inserted, and separates the empty cans from the unopened cans so as to assure dispensing only of full cans.

Another object is to provide a dispensing device of the above type which has an opener associated therewith, which is readily accessible to puncture a hole in the can without need for using a separate opening tool or for placing the dispensing device on the floor.

Another object is to provide a dispensing device of the above type which has a cup dispenser associated therewith from which individual cups may be removed without likelihood of grasping the interior or rim of the cup and without need for placing the dispensing device on the floor and which dispensing device also affords a support for the cups to be filled, so associated with the can opener as to assure discharge of the contents of the can as it is opened, to flow directly into the cup without need for the vendor to hold such cup during the filling thereof.

Another object is to provide a dispensing device of

the above type which has the cup dispenser, the cup holder and the opener device so associated with the outlet of the compartment for unopened cans and with the inlet of the compartment for empty cans that the vendor with the use of but one hand may readily and quickly remove an unopened can from the outlet, open such can so that the contents thereof will be discharged into a cup previously positioned by him on the cup holder, discard the empty can by inserting it into the inlet and then deliver the cup of liquid to the purchaser.

According to one aspect of the invention, the dispensing device comprises a substantially rectangular box-like housing having a substantially horizontal, vertically movable separator or partition therein providing a lower compartment on the underside of the partition for the unopened cans and an upper compartment on the top side of the partition into which the empty cans are readily introduced.

An end wall of the housing desirably has a transverse outlet opening near the bottom thereof, providing access to the lower compartment and through which the unopened cans may readily be removed, one by one, and the top of the housing is desirably provided with a transverse inlet opening affording access to the upper compartment so that each can, after it is emptied, may be deposited therein.

Desirably the cup dispenser is provided at the top of the housing where it may readily be reached by the vendor, said cup dispenser being designed to retain the cups therein in such manner that but one cup may be removed at a time and this by merely grasping the end of such cup and withdrawing it from the dispenser.

In the accompanying drawings in which are shown one or more of various possible embodiments of the several features of the invention,

Fig. 1 is a perspective view of the dispensing device taken from the front thereof,

Fig. 2 is a view similar to Fig. 1 taken from the rear thereof and opened to show the interior of the device,

Fig. 3 is a perspective view of the cup holder and associated can opener,

Fig. 4 is a longitudinal sectional view on a larger scale of the dispensing device taken along line 4—4 of Fig. 1,

Fig. 5 is a sectional view taken along line 5—5 of Fig. 4,

Fig. 6 is a view similar to Fig. 5 taken along line 6—6 of Fig. 4,

Fig. 7 is a transverse sectional view taken along line 7—7 of Fig. 4,

Fig. 8 is a fragmentary perspective view of the clip end of the carrying belt for the dispensing device,

Fig. 9 is a perspective view of an embodiment of the invention showing a holder for straws and having an opener device associated therewith, and

Fig. 10 is a longitudinal sectional view taken along line 10—10 of Fig. 9.

Referring now to the drawings, the dispensing device desirably comprises a substantially rectangular box-shaped housing **14** preferably of sheet metal although it may be of wood or other rigid material.

As shown in Figs. 2 and 7, the rear of the housing **14** desirably is open and has inwardly extending flanges **15** and **16** at the rear edges **17** and **18** of the end walls **19** and **21** respectively, each of said flanges having an outstanding vertical lip **22** and **23** respectively, preferably formed integral therewith.

In order to close the open rear of the housing **14**, a door **26**, preferably of wood or other rigid material, is pivotally mounted as by hinges **24** on one of said flanges, illustratively flange **16**, said door **26** desirably having a pair of spaced vertical grooves **27** and **28** on the inner face thereof, to receive the vertical lips **22** and **23**, respectively, when the door is moved to closed position in order to ensure a tight seal. Suitable means are provided to retain the door in such closed position, which means may comprise a plurality of hooks **29** pivotally mounted on the side wall **19** of the housing and coacting, respectively, with a plurality of staples **31** rigidly mounted on the door **26** near the edge **32** thereof.

As shown in Figs. 1, 2 and 4, the housing **14** has an

outlet opening 35 therein, preferably at the bottom of the end wall 19 thereof, which opening may be cut out of the end wall 19 and preferably extends transversely thereacross. As the housing 14 is preferably of thin sheet metal stock, means are desirably provided to strengthen the housing adjacent opening 35. To this end, a reinforcing member 36 is desirably provided, having a flat cross piece 37 which extends transversely across end wall 19, with the lower edge 38 of the cross piece 37 preferably aligned with the upper edge 39 of the opening 35. Cross piece 37 desirably has rearwardly extending wings 41 and 42 depending therefrom which straddle the flange 15 and the front wall 43 of the housing adjacent the vertical edge 44 thereof.

The wings 41 and 42 at their lower edges 33 and 34 have inwardly bent lips 45 and 46, respectively, which extend beneath the bottom wall 47 of the housing and are in engagement therewith. The strengthening member 36 may be affixed to the adjacent portions of the housing in any suitable manner as by riveting or welding.

Means are provided in said housing automatically to present one can 50 of beverage therein at a time to said outlet 35 so that it will extend transversely thereacross for facility of removal therefrom.

To this end, a platform 51 is positioned in said housing extending longitudinally of the bottom wall 47 thereof and inclined downwardly along its length from the end wall 21 to the end wall 19, with the lower end 52 of the platform adjacent the outlet opening 35 in wall 19.

As shown in Figs. 2, 4 and 7, the floor 55 of platform 51 has a longitudinal slot 54 therein extending from the end 52 thereof and vertically aligned with a corresponding slot 53 in the bottom wall 47 of the housing 14, said slots 53 and 54 providing access to the interior of said housing. The slot 53 in the bottom wall 47 defines longitudinal ledges 57 and 58, respectively, on each side thereof, which ledges serve, respectively, to mount substantially U-shaped channel members 59 and 61 affixed to said ledges as by welding and extending longitudinally thereof.

The floor 55 of the platform 51 desirably has depending longitudinal side walls 62 and 63 which straddle the inner walls 64 and 65 of the channel members, removably to retain the platform on said channel members yet to restrain the same from lateral displacement thereon.

Means are provided releasably to restrain the movement of the cans 50 from rolling down the platform 51 through the outlet opening 35, yet to permit manual removal of one can therefrom at a time. As shown in Figs. 1, 2 and 4, such means desirably comprise a plurality of leaf springs 67, illustratively two in number, affixed at their upper ends as by rivets 68 against the inner side of the end wall 19 of the housing and extending downwardly below the upper edge 39 of opening 35 so that the free ends 66 of the leaf springs 67 lie in the path of movement of the cans 50 as they roll down the inclined platform. The leaf springs 67 have sufficient resiliency to retain the cans 50 in the housing even under the pressure exerted by the weight of such cans against said springs, yet flexing sufficiently when a can is grasped and moved against said springs, to permit removal of such can from said opening 35.

Positioned in said housing is a separator 69 desirably a substantially rectangular partition which may be of wood, metal or other rigid material. The partition is but slightly smaller than the interior dimensions of the housing and is so mounted as to be vertically movable therein, extending substantially horizontally thereacross and defining an upper compartment 48 and a lower compartment 49 in said casing. To this end the separator 69 is desirably suspended at each end as at 69' as by flexible suspension means, illustratively cords 70, affixed at their upper ends as by rivets 70' to the inner surface of the end walls 19 and 21 of the housing.

As shown in Fig. 4, the cords 70 are desirably of such length as to allow the partition to descend only to such level in the housing that sufficient space will be afforded therebelow to permit free rolling of the lowermost row of cans 50 down the inclined platform 51.

As shown in Figs. 1, 2 and 4, the housing 14 has a substantially rectangular top wall or cover member 72 preferably cast from suitable metal and having side and end walls 73 and 74, desirably formed integral therewith. The cover 72 is desirably telescoped into the top of the housing and has peripheral shoulders 76 which rest on the upper rim 77 of the housing, being affixed thereto as by rivets 78, said cover having an inlet opening 71 with a downturned lip 79, said opening desirably extending transversely across said cover at one end thereof and being of sufficient size to permit the cans 50 to be inserted therethrough.

Preferably formed integral with the cover 72 is a cup dispenser 81 desirably comprising a hollow casing or shell 82 in which cups 83 may be removably contained. As shown in Figs. 1, 4 and 5, the casing 82 has a rear wall 84 and a front wall 85 preferably formed integral therewith, said front wall having a circular aperture 86 therein of diameter substantially equal to the diameter of the mouth of the cups 83 to be retained therein.

Means are desirably provided in such casing 82 to retain a stack of nested cups 83 therein with the floor of the outermost cup in the stack protruding from aperture 86. As shown in Figs. 4 and 5, such means desirably comprises a holder 87 having a base 88 with upstanding oblique side walls 89 defining a cradle and a rear wall 91. The holder also desirably has a longitudinal extension 92, preferably formed integral with the base 88 thereof, said extension having an upstanding projection 93 desirably struck out therefrom. Thus, when the holder 87 is positioned in the casing 82 with the rear wall 91 thereof against the rear wall 84 of the casing 82, as shown in Fig. 4, the upstanding projection 93 will be vertically aligned with a depending projection 94 preferably formed integral with the casing 82 on the inner surface thereof. Desirably the holder 87 is of such length that the front edge 95 of the longitudinal extension 92 will be closely adjacent to the bottom rear face of the front wall 85 of the casing to prevent longitudinal displacement of such holder. The projections 93 and 94 are so spaced from each other that the rim 96 of the conventional drinking cup 83 will abut thereagainst to prevent outward movement of such cup until it is sufficiently deformed by slight pull thereon to clear said projections.

Means are desirably provided to exert tension against such cups 83 to retain the rim 96 of the outermost cup of the stack against the projections 93 and 94 thereby retaining the cups axially aligned within and protruding from the casing 82 as shown. To this end a follower 97, desirably a cup-shaped member, is positioned in said casing 82 to the rear of the projections 93 and 94 so as to ride in the cradle formed by oblique side walls 89. Resilient means, desirably a coil spring 98 as shown, is interposed between the rear wall 91 of the holder 87 and the end wall 99 of the cup-shaped member 97, thereby normally urging the latter outwardly from such casing 82. Desirably the rear wall 91 and the end wall 99 of the cup shaped member have hook conformations 101 and 102 respectively, preferably struck out therefrom to receive the ends of the coil spring 98 to maintain said parts assembled.

Means are provided to open the cans 50 as they are successively removed from the outlet opening 35 of the housing and in the embodiment shown in Figs. 1 to 8 herein, the opening device has a cup holder associated therewith on which a cup withdrawn from the cup dispenser 81 may be placed and into which cup, liquid from the can may flow. As shown in Figs. 1, 3 and 4, the holder 105 desirably has a rear wall 106 with an outwardly extending lower ledge 107 and with outstanding wings 108 on each side thereof. The forward edges of said wings are connected at their upper portions by a cross bar 111, preferably formed integral therewith, with a ledge 112 extending obliquely downward and rearward therefrom, on which is mounted at the center thereof a puncturing tool 113. As shown in Fig. 4, the puncturing tool 113 desirably comprises a substantially L-shaped member having a mounting leg 114 affixed to the ledge 112 as by a screw 115 and a curved upwardly extending opener leg 116 having a pointed tip 117, said leg 116 desirably having a hook portion 118 struck out therefrom and rising at substantially right angles thereto.

Means are desirably provided securely yet removably to mount the holder 105 on the housing 14. To this end, the rear wall 106 of the holder desirably has a plurality of vertically aligned studs 121 and 122 affixed thereon and extending outwardly therefrom, each of said studs having a head 123. The end wall 19 of the housing 14 desirably has vertical keyways 126, 127 therein, each with an enlarged opening 124 and 125 at the top thereof,

said openings being of diameter slightly greater than that of the head of the studs so that they may receive the latter.

The keyway **127** is positioned below keyway **126**, desirably laterally displaced therefrom, as shown in Fig. 2, and has a lateral locking slot **128** in communication therewith, so that when the heads of the studs are positioned in said openings, and the holder moved downward and the lower end thereof pivoted to move the bottommost stud to the right, as shown in Fig. 2, the holder will be securely yet removably retained on the end wall **19** of the housing.

In order that the dispensing device may readily be transported, carrying straps **129** are provided therefor, as shown in Figs. 1 and 8. The carrying straps desirably are connected together at one end as at **131** and have a spring clip **132** affixed thereto. This clip as shown in Fig. 8 desirably has a rigid reversely bent hook **133** and a resilient closure arm **134** coacting with the curved end **135** of the reversely bent hook **133** normally to retain the clip in closed position so that it may be securely yet releasably attached to the staple **136**, shown in Fig. 2, affixed to the rear wall of the cover **72**. The free ends **137** of the strap have swivel clips **138** attached thereto, which may be affixed respectively to the openings **139** in laterally extending tongues **141** rigidly affixed to the bottom of the housing. As such clips are conventional in construction, they will not be further described.

To load the dispensing device, the door **26** thereof is opened by unlatching hooks **29**. The separator **69** is then raised and a multiplicity of cans **50** are stacked as shown in Fig. 4, said cans being restrained from rolling out of the outlet opening **35** in end wall **19** by means of the leaf springs **67**. The door may then be closed and locked by the hooks **29**. The cup dispenser **81** may then be loaded by inserting a stack of cups **83** into the casing **82** so that the rims **96** of such cups will be to the rear of the projections **93** and **94** with the rim **96** of the outermost cup in the stack seated on said projections and retained thereagainst by the spring urged follower **97**, the latter being guided by the cradle formed by the oblique walls **89**. The vendor then need merely slide his arms through the carrying straps **129** so that the dispensing device is positioned on his chest.

In use, the vendor grasps the can **50** that is exposed at the lower left of Fig. 4, and withdraws such can from the housing. This is convenient because the slots **53** and **54** in the bottom of the housing and in the inclined platform **51** provide ready access for the hand. When the can is removed, the remaining cans will roll down the platform **51** for the lowermost can to lodge against the leaf springs **67** ready for removal. The vendor pulls a paper cup from the holder **82** and places it on the ledge **107** of the holder **105** and positions the can **50** so that the rim thereof is engaged by the hook **118**, as shown in full lines in Fig. 4, with the pointed end **117** of the puncturing tool **113** pressing against the undersurface of the can. By merely pivoting the can to the posiiton shown in dot and dash lines in Fig. 4, the pointed end **117** of the puncturing tool **113** will pierce the can to open the latter, permitting the liquid therein to flow by gravity directly into the cup **83** which is readily removed and handed to the purchaser. The empty can **50** is then moved back to the position shown in full lines in Fig. 4, for removal from the holder and deposited through the inlet opening **71** in the cover **72**. The can falls into the upper compartment **48** in the housing and automatically becomes stacked with companion empty cans upon separator **69**. It is apparent that as cans are successively removed from the lower compartment **49**, the separator **69** will gradually lower, automatically providing additional space in the upper compartment **48** for such empty cans.

It is apparent that with the construction herein described, it is a simple matter for the vendor with the use of but one hand, illustratively his right hand in the embodiment herein shown, to grasp the can exposed in the outlet **35** and remove such can by merely pulling it from said outlet and while still holding the can with the same hand, open the can with the puncturing tool so that the contents thereof will be discharged into a cup previously removed by him, also with his right hand, from the cup dispenser and positioned on the ledge **107** of the cup holder. The vendor, then may remove the empty can from the puncturing tool, still by the use of his right hand and discard such can by inserting it into the inlet **70** of the compartment **48**. He then may remove the filled cup from the ledge **107** with his right hand and deliver such cup to the purchaser.

As the casing always has room for the full number of cans, there will be no need for the vendor to discard the empty cans while selling the remaining unopened cans, and he can wait until all the unopened cans have been sold and then re-fill the casing by merely opening the door **26** so that he can remove the empty cans and then lift the separator and fill the compartment below with unopened cans.

By reason of the separator **69** and the cords **70** suspending the latter which block the movement of empty cans from the outlet **35**, there is no likelihood of an empty can being removed from outlet **35** by the vendor, and when all the unopened cans have been removed, when he reaches for the next can there will be none available which will indicate that it is time to re-fill the casing.

Although the device herein shown to illustrate the invention is for use by a right handed person, it is of course apparent that it could readily be made for a left handed person by merely having the inlet and outlet on the left side of the device, as shown in Fig. 1, as well as the holder and the outlet of the cup dispenser.

Where there is no need for the vendor to pour the beverage out of a can into a cup, the holder **105** may be replaced by the straw holder **114**, shown in Figs. 9 and 10. This holder desirably comprises a substantially tubular casing open at the top thereof and having a floor **145** with a depending skirt **146**, preferably formed integral therewith. Mounted on the undersurface of the floor **145**, as by a rivet **147**, is a puncturing tool **148**, which desirably comprises a strip of metal downwardly bent at its forward end which tapers to a point **149** and reversely bent at its rear end and forming a hook **151**. Thus, when the rim of a can is engaged by the hook **151**, as shown in Fig. 10, and the top of the can is moved upwardly against the point **149**, the latter will make an opening in the can to provide access to the liquid therein which may be withdrawn either by a straw carried in the holder **144** or by pouring the beverage from such opening into a cup.

As many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope of the claims, it is intended that all matter contained in the above description and shown in the drawings shall be interpreted as illustrative and not in a limiting sense.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. A device for dispensing cans of beverage, said device comprising a housing having an inlet and outlet, a vertically movable separator in said housing intervening between said inlet and said outlet and defining a compartment on each side thereof, the compartment beneath said separator accommodating filled cans for discharge from said outlet and the compartment above said separator accommodating empty cans to be admitted therein through said inlet, means in said housing automatically to present the filled cans therein in sequence to said outlet and means releasably to restrain the movement of said filled cans from said outlet.

2. The combination set forth in claim 1 in which said housing is a substantially rectangular box and said separator is a partition extending substantially horizontally in said housing.

3. The combination set forth in claim 1 in which said housing is a substantially rectangular box and said separator is a substantially rectangular partition extending substantially horizontally in said housing and flexible suspension means for said partition are attached at the upper ends thereof to the end walls of said housing.

4. A device for dispensing cylindrical cans of beverage, said device comprising a housing having an inlet and an outlet, a vertically movable partition in said housing intervening between said inlet and said outlet and defining a lower compartment for filled cans and an upper compartment for empty cans to be deposited into said upper compartment through said inlet to rest on said partition, means in said housing automatically to present the filled cans in said lower compartment in sequence to said outlet, said means comprising an inclined platform down

which said filled cans may roll, said platform having its lower end adjacent said outlet, and means releasably to restrain the movement from said outlet of the filled can adjacent thereto.

5. A device for dispensing cylindrical cans of beverage, said device comprising a substantially rectangular box-like housing having an inlet at the top thereof and an outlet near the bottom thereof for insertion and removal respectively of such cans, said outlet extending transversely across an end wall of said housing at the bottom portion thereof, a vertically movable separator in said housing between said inlet and said outlet defining an upper compartment for empty cans associated with said inlet and a lower compartment for filled cans associated with said outlet, means in said housing automatically to present the filled cans in said lower compartment in sequence to said outlet, said means comprising an inclined platform in said housing on which such filled cans may be transversely positioned to roll down said platform toward said outlet, said platform having its lower end adjacent said outlet, and means releasably to restrain the movement from said outlet of the filled can adjacent thereto.

6. The combination set forth in claim 5 in which said last-named means comprises a resilient member associated with said outlet and extending in the path of movement of such can, the latter thereby being releasably restrained from emerging from said outlet.

7. The combination set forth in claim 5 in which the bottom of said housing has a slot therein and said platform has a slot therein aligned with the slot in the bottom of said housing to provide access to said lower compartment.

8. The combination set forth in claim 5 in which the bottom of said housing has a slot therein and said platform has a slot therein adjacent the outlet of said housing and aligned with the slot in the bottom of said housing to provide access to said lower compartment.

9. The combination set forth in claim 5 in which said box-like housing is open on one face thereof and a door is hingedly mounted with respect to said opening to close the latter.

10. The combination set forth in claim 5 in which the outlet in said housing is a substantially rectangular opening in the lower portion of an end wall thereof and strengthening means are provided about the edges of said opening to reinforce the latter.

11. The combination set forth in claim 5 in which channel members are affixed laterally of a slot in the bottom of said housing and extend along said front and rear walls respectively and said inclined platform has depending side walls which straddle the innermost walls of said channel members removably to retain said inclined platform thereon.

12. A device for dispensing cylindrical cans of beverage, said device comprising a substantially rectangular box-like housing having an inlet at the top thereof and an outlet near the bottom thereof for insertion and removal respectively of such cans, said outlet extending transversely across an end wall of said housing at the bottom

portion thereof, a vertically movable separator in said housing between said inlet and said outlet defining an upper compartment for empty cans associated with said inlet and a lower compartment for filled cans associated with said outlet, means in said housing automatically to present the filled cans in said lower compartment in sequence to said outlet, said means comprising an inclined platform in said housing on which such filled cans may be transversely positioned to roll down said platform toward said outlet, said platform having its lower end adjacent said outlet, means releasably to restrain the movement from said outlet of the filled can adjacent thereto, a cup holder mounted on the end wall of said housing adjacent said outlet to retain a cup thereon in vertical position and an opener device associated with said cup holder at the upper portion thereof whereby when a can is opened the liquid therefrom will flow into the cup positioned therebelow.

13. A device for dispensing cans of beverage, said device comprising a substantially rectangular box-like housing having an inlet at the top thereof and an outlet near the bottom thereof, to permit insertion and removal respectively of such cans, said outlet extending transversely across an end wall of said housing at the bottom portion thereof, means in said housing successively to present filled cans therein to said outlet, means releasably to restrain the movement of such filled cans from said outlet, a cup holder mounted on the end wall of said housing above said outlet, said cup holder having a puncturing device associated therewith said cup holder having spaced parallel outwardly extending wings at the upper portion thereof with a transverse cross piece connecting the ends of said wings and said puncturing device comprising a substantially L-shaped tool having a leg affixed on said cross piece and a leg having a pointed end extending inwardly from said cross piece with the pointed end of said leg rising above said cross piece, said puncturing tool having a hook associated therewith and extending above said cross piece whereby when a can is positioned between said wings with the rim of said can under said hook and said can is pivoted to move the bottom portion thereof against the point of the puncturing tool, the latter will pierce the bottom of such can, opening the latter and a cup dispenser on the top of said housing, said dispenser having a discharge opening adjacent the inlet of said housing.

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