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W. E. SWIFT

CARTON SUPPORT FOR DRINKING CUPS

Filed Sept. 4, 1920

Fig. 1.

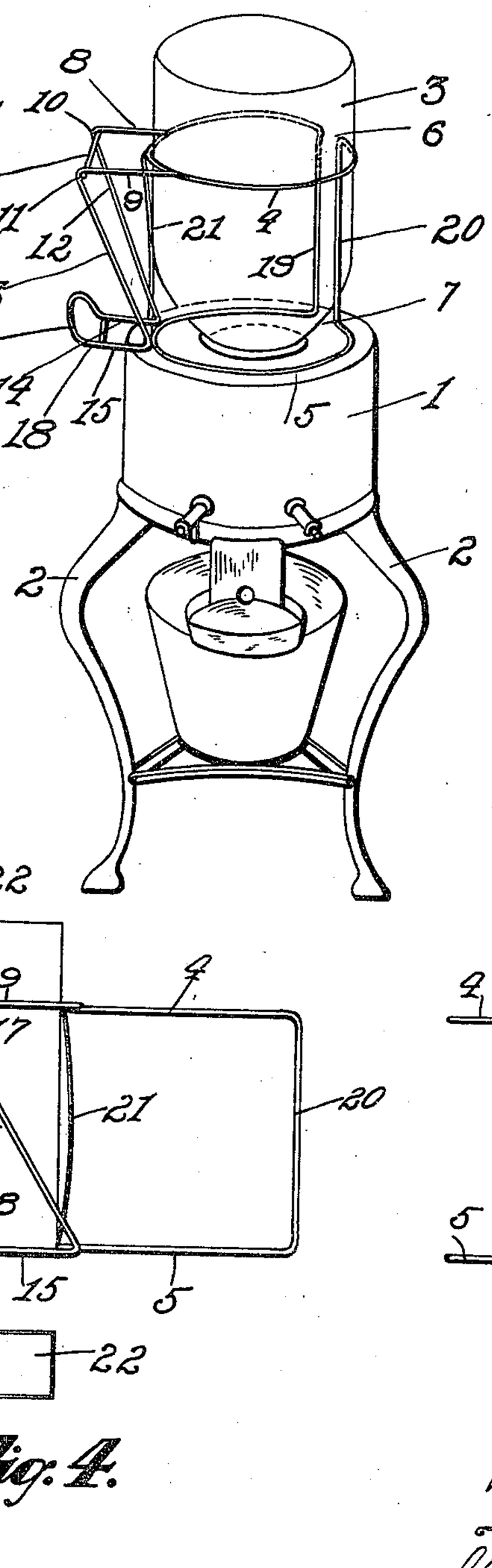

Fig. 2.

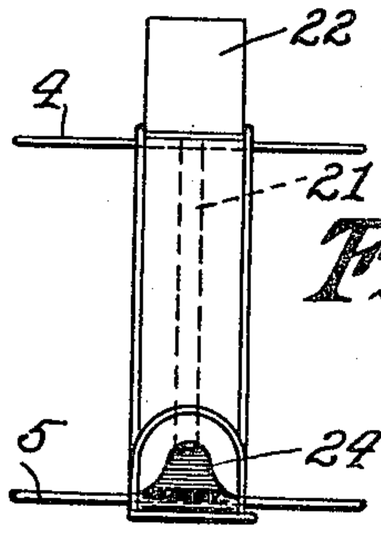

Fig. 3.

Fig. 4.

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UNITED STATES PATENT OFFICE.

WILLARD E. SWIFT, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO UNITED STATES ENVELOPE COMPANY, OF SPRINGFIELD, MASSACHUSETTS, A CORPORATION OF MAINE.

CARTON SUPPORT FOR DRINKING CUPS.

Application filed September 4, 1920. Serial No. 408,293.

To all whom it may concern:

Be it known that I, WILLARD E. SWIFT, a citizen of the United States, residing at Worcester, in the county of Worcester and Commonwealth of Massachusetts, have invented a new and useful Improvement in a Carton Support for Drinking Cups, of which the following, together with the accompanying drawings, is a specification.

The objects of my present invention are to provide a support for a carton containing drinking cups, adapted to be held upon a cylindrical water container, when the same is inverted and mounted upon an ice receptacle in the manner now usually practiced for supplying cool drinking water for use in offices.

My present invention is embodied in a wire structure adapted to embrace the cylindrical water container and to be supported against gravity upon the upper surface of the ice receptacle. It also provides means for the insertion of a carton in a vertical position, with means for holding the carton against gravity, and exposing its lower front corner containing a slit for the manual withdrawal of individual drinking cups. These objects, among others, are accomplished by means of a structure, preferably made of resilient wire, and illustrated in the accompanying drawings, in which

Figure 1 is a perspective view of an inverted water container and ice receptacle having my improved carton support attached thereto.

Figure 2 is a side view of the carton support detached from the water container and represented with a carton inserted therein.

Figure 3 is a front view of the same.

Figure 4 is a bottom plan view of the carton.

Similar reference characters refer to similar parts in the different figures.

Referring to Fig. 1, 1 denotes an ice receptacle, represented as mounted upon legs 2, 2. Mounted upon the ice receptacle is an inverted water container 3 having my improved carton support attached thereto. The carton support embodying my present invention consists of an upper resilient wire 4 curved to embrace the cylindrical periphery of the water container 3, and a lower resilient wire 5, similarly curved, resting upon the top of the ice receptacle 1. The curved wires 4 and 5 are open upon one side, as shown at 6 and 7, and to the upper curved wire 4 are attached the parallel wires 8 and 9, spaced apart a sufficient distance to receive a carton between them. The wires 8 and 9 are bent at 10 and 11 obliquely downward forming supports 12 and 13 for the sides of the carton. The oblique wires 12 and 13 are attached to the bottom curved wire 5 and extended horizontally forward, as shown at 14 and 15, terminating in a loop 16. The wires 8 and 9 at their bent sections 10 and 11 are united by a cross bar 17, and a cross bar 18 unites the horizontal sections 14 and 15. The curved wires 4 and 5 are united at their free ends by vertical wires 19 and 20. United at its opposite ends to the curved wires 4 and 5 is a flat blade spring 21 having an inward curvature and adapted to bear against the periphery of the water container 3, and draw the curved wires 4 and 5 firmly against the periphery of the water container.

When the structure above described is placed in the position illustrated in perspective view in Fig. 1, a paper carton is inserted between the horizontal wires 8 and 9 and the oblique wires 12 and 13, in the position illustrated at 22, Fig. 2. In this position the carton 22 is held from falling forward by the cross bar 17. The lower end of the carton passes between the oblique wires 12 and 13 and the horizontal wires 14 and 15 and is supported against gravity by the bar 18. The loop 16 is curved upwardly to allow the lower front corner 23 of the carton to project below said loop. The corner 23 is provided in the usual manner in cartons of this class with a slit for the withdrawal of an individual drinking cup, and the front of the carton is provided for this purpose with an opening 24, Fig. 3. The wires 8, 9, 12, 13, 14 and 15 are preferably formed from a single wire, bent upon itself, to form the loop 16 and united, as already described, to the wires 4 and 5. The carton 22, in the position shown in Fig. 2, enables the split in its lowermost corner to be exposed for the withdrawal of individual cups, and the carton when emptied can be vertically withdrawn and replaced by a full carton. Any excess in the curvature of the arms 4 and 5 will be taken up by the pressure of the blade spring 21, causing the wires 19 and 20 to be

drawn closely against the periphery of the water container, and causing the entire structure to be held rigidly thereon.

I claim,

1. A carton holder of the class described, for use with a cylindrical water container, comprising a pair of curved resilient arms adapted to embrace the periphery of the water container with their free ends open, wires joining the free ends of said curved arms, a receptacle for a carton joined to said curved arms, and a spring held by said curved arms and pressing against the periphery of the water container to draw the free ends of said curved arms toward the water container.

2. A carton holder of the class described, for use with a cylindrical water container mounted on an ice receptacle, comprising an upper resilient arm embracing the water container, a lower curved arm resting upon the ice receptacle, a wire framework adapted for the endwise reception of a carton attached to both the upper and lower curved arms, with the weight of the carton adapted to be supported on the ice receptacle.

3. In a carton holder of the class described, the combination with an upper curved elastic arm adapted to embrace the cylindrical periphery of a water container mounted on an ice receptacle, a second curved arm adapted to rest on the ice receptacle, a wire framework for the endwise reception of a carton, said framework having an open bottom to allow the carton to rest on the ice receptacle, with said framework attached to said upper and lower arms, and a spring to press against the periphery of the water container.

WILLARD E. SWIFT.