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CAN FILLING DEVICE
Filed Oct. 14, 1930

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This invention relates to can filling devices, and has for an object to provide structural features, forming a part of the entire organization of a canning machine, which provides improved means for insuring the introduction into the can, of the entire volume of material measured for that purpose.

A further object of the invention is to provide a funnel-like device, directed toward a supported can, with improved means for varying the delivering orifice in said funnel.

A further object of the invention is to provide about such funnel construction, a space to permit the escape of air as the can is filled, to insure the proper filling of the can.

A further object of the invention is to provide in the structure, surrounding the funnel, and between which structures and the air space so provided, improved means to insure the drip of any splashed material back into the can.

The invention comprises, in combination with a rotating structure, a rotating table for supporting a plurality of cans, a structure located above said rotating table, and provided with a plurality of funnels of the proper number to co-act with the number of cans supported upon the table, and with an air space, or vent, surrounding each of the funnels, said vent being smaller than the size of the can, and with a groove in the supporting structure surrounding such vent, which groove forms a sharp edge to insure rapidity of drip.

The invention is directed to other objects and possesses other features of novelty and advantage, some of which, together with the foregoing, will be hereinafter more fully set forth.

In the drawings:

Figure 1 is a top plan view of a fragment of a canning machine, showing the top of adjacent funnels.

Figure 2 is a sectional view, taken on a circumference, indicated by line 2—2 of Figure 1.

Figure 3 is a horizontal sectional view, taken on line 3—3 of Figure 2, and

Figure 4 is an inverted plan view, taken on line 4—4 of Figure 2.
the under side of the turret, and thereby, make the joint approximately air-tight so that the material being delivered to the can, from the funnel, forms a seal which prevents the proper flow of the material. By venting, the air seal is broken, and the material flows uninterruptedly through the orifice, out of the funnel, or the bushing, into the can. By providing the groove 15, with the sharp rib 16, any of the contents slopped upwardly, because of the discharge into the can, will drip from the sharp edge, into the can with minimum adherence.

Of course, the can filling device, herein illustrated, may be modified in various ways without departing from the invention herein set forth and hereinafter claimed.

The invention is hereby claimed as follows:

1. A can filling device comprising a can supporting structure, a super-structure arranged to clamp cans upon the supporting structure and provided with openings communicating with the several cans, drip speed- ing parts carried by said super-structure overlying the can, funnels inserted through said openings and forming a vent between the funnel and the walls of the openings, and orifice constricting members positioned in the smaller ends of the funnels.

2. A can filling device comprising a can supporting structure, an annulus arranged to engage the top edge of and clamp a can upon the supporting structure, an inlet conduit introduced through the annulus and spaced annularly therefrom to form a vent, and a downwardly directed sharp drip rib upon the annulus.

3. A can filling device comprising a can supporting structure, an annulus arranged to engage the top edge of and clamp a can upon the supporting structure, an inlet conduit introduced through the annulus and spaced annularly therefrom to form a vent, and a downwardly directed sharp drip rib upon the inner edge of the annulus.

4. A can filling device comprising a can supporting structure, an annulus arranged to engage the top edge of and clamp a can upon the supporting structure, an inlet conduit introduced through the annulus and spaced annularly therefrom to form a vent, and a downwardly directed sharp drip rib upon the inner edge of the annulus, and defined by an annular groove in the underside of the annulus.

In testimony whereof I have signed my name to this specification.

CHARLES H. AYARS.