

A. P. CURRY.

Milk Can.

No. 65,548.

Patented June 11, 1867.

Fig. 1.

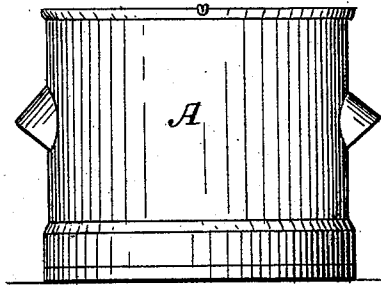


Fig. 2.

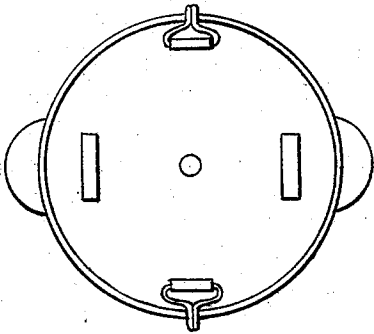


Fig. 3.

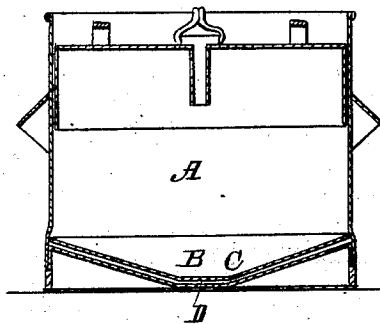
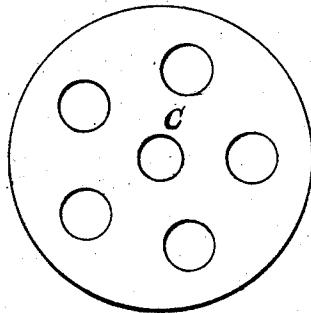


Fig. 4.



Witnesses:

E. E. Waite
Frank Alden

Inventor:

A. P. Curry

United States Patent Office.

A. P. CURRY, OF CHAGRIN FALLS, OHIO.

Letters Patent No. 65,548, dated June 11, 1867.

IMPROVED MILK-CAN.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, A. P. CURRY, of Chagrin Falls, in the county of Cuyahoga, and State of Ohio, have invented certain new and useful improvements in Milk-Cans; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the can.

Figure 2 is a view of the top.

Figure 3 is a vertical section.

Figure 4 is a view of the bottom.

Like letters of reference refer to like parts in the different views.

A, fig. 1, is the body of the can, which is constructed of tin, and of a diameter and height according to the capacity required. B, the bottom of the can, is made dishing or concave, as shown in fig. 3, in which it will be seen that the edges are connected to the sides of the can, a short distance from its lower end. This lower end immediately below the junction of the bottom and side, is slightly enlarged, so that the supplementary bottom C, fig. 4, can be introduced therein; and upon which bottom that of the can rests, on a sheet of rubber packing, D, or other like material, interposed between them. The relative position of the two bottoms and packing when in place is shown in fig. 3. This supplementary bottom is constructed of iron or other strong material, for the greater strength required for the supporting of the can, upon which it is placed when filled for transportation. The cover of this can is shown in fig. 2, which is fitted to the inside of the can, and unsupported, but allowed to float upon the milk, and thereby prevent any splashing of the same. The character of this cover is such as those in ordinary use for a like purpose.

Large milk-cans have been made with concave bottoms; but in all such cans the concave surface has been downward, and unsupported by any outside means. They have also been made with flat bottoms, and placed on level smooth surfaces as a base; but in all such cans the bottoms have given way by the great pressure of the milk upon them, either by tearing the bottom away from the sides of the can, or by breaking the metal around near its connection with the sides. But a can provided with a bottom, having its convex side downward, and supported by an auxiliary bottom in the manner described, cannot give way, it having a central support, and in the form of an arch. There will be no springing of the lower bottom, therefore it cannot give way under the great weight imposed upon it; hence the inner bottom will not crack nor break, but will carry with safety all the milk the can will hold. Also there will be less strain on the outside hoops, which keep the lower bottom in place, as the weight of the can and contents will carry it to the centre of the auxiliary bottom, it being the lowest point, instead of throwing all the side strain caused by the motion of the wagon on the outside hoops, as would be the case with a flat bottom. This form of bottom adds to the holding capacity of the can, whereas a bottom with its convex surface upward detracts from the same; it also exerts less strain against the sides, the pressure being more directed to the centre by virtue of the concave character of the bottom, instead of being thrown from the centre to the sides, and which being supported by the auxiliary bottom, as above said, gives to the can great strength and durability.

What I claim as my invention, and desire to secure by Letters Patent, is—

The concave bottom B, auxiliary bottom C, and packing D, as constructed and arranged in combination with the can H, for the purpose and in the manner set forth.

A. P. CURRY.

Witnesses:

W. H. BURRIDGE,

J. H. BURRIDGE.