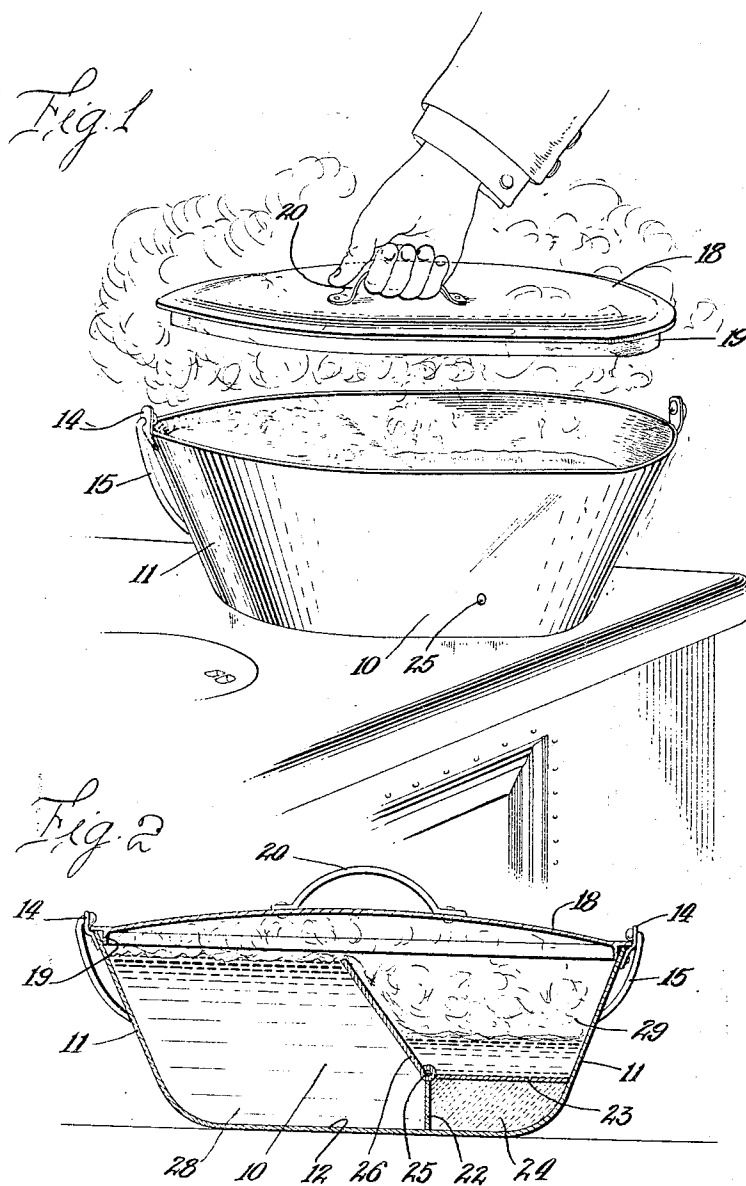


S. K. HORVÁTH.
MILK BOILER.
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1,287,318.

Patented Dec. 10, 1918.



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STEVE KIS HORVÁTH, OF MILWAUKEE, WISCONSIN.

MILK-BOILER.

1,287,318.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, STEVE KIS HORVÁTH, a subject of the King of Hungary, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Milk-Boilers, of which the following is a specification.

This invention relates to improvements in culinary utensils and the like and particularly to boilers in which milk and like liquids may be safely boiled and in which the contents are prevented from escaping over the sides during ebullition.

The principal object of the invention is to provide a boiler in which different quantities of liquid may be boiled with entire safety so far as overflowing is concerned, the boiler being compartmented and provided with a cooling section into which the liquid, when in a swollen condition, may temporarily escape and from which it is diverted into the main receptacle at a later period.

These and other like objects are attained by the novel construction and combination of parts hereinafter described and shown in the accompanying drawing, forming a material part of this disclosure, and in which:—

Figure 1 is a perspective view showing a boiler made in accordance with the invention and indicating its use, and

Fig. 2 is a vertical sectional view taken substantially through the center of the boiler.

This boiler comprises a receptacle substantially oval in horizontal cross section, having parallel side walls 10, integrally formed with semi-circular ends 11, inwardly inclined as they approach the bottom 12.

Secured near the upper edge, at the ends of the receptacle, are ears 14, in which is engaged the lifting bail 15, the same having intumed ends pivoted within the ears so that it may assume different positions. A cover 18, of arcuate shape is provided with a flange 19, adapted to engage within the inner edge of the receptacle, and is further provided with a raising handle 20, for obvious purposes.

Fixed transversely across the receptacle, and engaged with the sides thereof, is a vertical partition 22, extending upward to a slight distance and having joined therewith a horizontal partition 23, which ex-

tends through to one of the extreme ends of the receptacle, as is best shown in Fig. 2.

The compartment 24 thus formed is filled with a non-conducting substance, as for instance asbestos fibers, so that the horizontal plate 23 is relatively cool as compared with the bottom 12 of the receptacle.

Hingedly engaged by a rod 25, fixed in the parallel sides of the receptacle, at the junction of the plates 22 and 23, is a third, wing-like plate 26, capable of being angularly positioned in the receptacle so as to divide the same into substantially two compartments 28 and 29, the former being of larger area and in which the liquid to be boiled is placed.

Obviously when ebullition or boiling takes place, a part of the liquid may flow over the upper edge of the plate 26, into the smaller compartments 29, where it is relatively cooled by making contact with the horizontal plate 26, thereby permitting a quantity of liquid to be boiled with comparatively little attention as far as overflowing the edges of the receptacle is concerned.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is—

1. A milk boiler comprising a receptacle having substantially vertical side walls and curved ends formed therewith, of vertical and horizontal partitions fixed within said receptacle at one end thereof forming a liquid tight compartment, non-conducting material filled in said compartment, and a leaf plate arranged in said receptacle, dividing the same into two compartments, over the edge of which fluid contained in the receptacle may flow.

2. A milk boiler comprising a receptacle having substantially vertical side walls, curved end walls integrally formed therewith, a compartment formed at one of the ends of said receptacle, non-conducting material in said compartment, and a plate hinged to the walls of said compartment, said plate being capable of angular disposition within said receptacle.

3. In a milk boiler, the combination with a receptacle having substantially vertical side walls and curved ends formed therewith, a cover suited to said receptacle, a bail by which said receptacle may be operated, and a handle on said cover, of a trans-

verse vertical partition fixed in said receptacle between the sides thereof, a horizontal partition extending from said vertical partition to one of the end walls thereof, forming a fluid tight compartment, non-conducting material in said compartment, a rod passing transversely through the walls of said receptacle at the junction of said trans-

verse and horizontal plates, and a leaf plate pivotally mounted on said rod, said leaf plate being capable of angular adjustment in either direction. 10

In testimony whereof, I have affixed my signature.

STEVE KIS HORVÁTH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."