(No Model.)

W. MacCALLUM.

DINNER KETTLE.

No. 589,360. Patented Aug. 31, 1897.

Fig. 1.

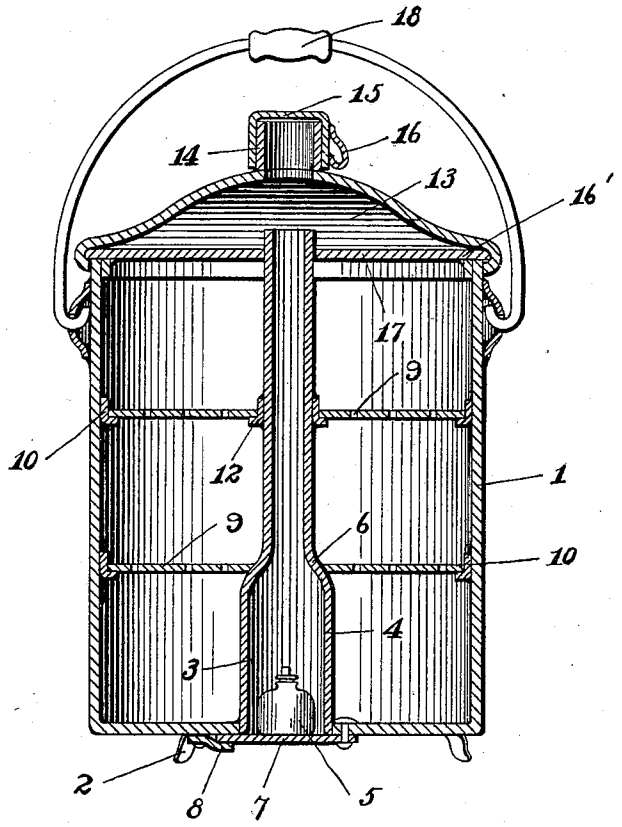


Fig. 2.

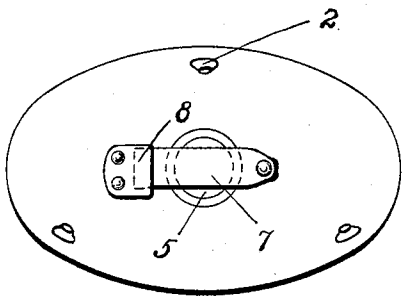
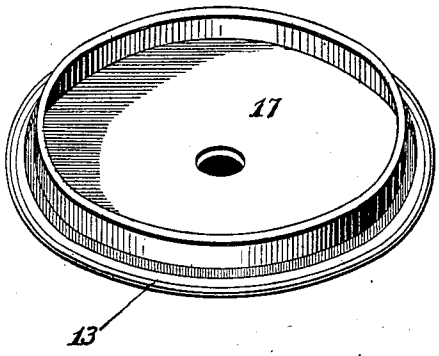


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM MACCALLUM, OF MAGOG, CANADA.

DINNER-KETTLE.

SPECIFICATION forming part of Letters Patent No. 589,360, dated August 31, 1897.

Application filed April 5, 1897. Serial No. 630 726. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MACCALLUM, a subject of the Queen of Great Britain, residing at Magog, in the Province of Quebec, Canada, have invented certain new and useful Improvements in Dinner-Kettles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in dinner-pails in which workmen carry their lunch or dinner.

The object of the invention is to provide a simple, cheap, and durable construction of pail provided with means whereby the contents thereof may be heated, the articles within the pail separated from each other, and the smoke or products of combustion issuing from the flue prevented from being forced back into the pail and impregnating the contents thereof with its odor.

To this end my invention consists in certain novel constructions, combinations, and arrangements of parts in a device of the class specified, as will be hereinafter more fully described, and specifically set forth in the appended claims.

In the accompanying drawings, Figure 1 is a central vertical sectional view of a dinner-pail constructed in accordance with my invention. Fig. 2 is a bottom plan view of the same. Fig. 3 is an inverted perspective view of the pail-cover.

Similar numerals of reference designate corresponding parts in the several views.

Referring to the drawings, the numeral 1 designates a dinner pail or kettle, of any approved form, provided with legs 2 for it to rest upon. The pail is open at the bottom, and a funnel or flue 3 has its lower end secured, by soldering or otherwise, to the pail and is in communication at its lower end with said opening. The lower end of the tube or flue is enlarged at 4 to receive and hold a spirit or oil lamp 5, while the upper end of the tube is contracted and of sufficient height to reach just above the upper edges of the side walls of the pail, shoulders 6 being formed at the intersection of the enlarged or contracted portions of said tube or flue. The spirit or oil lamp 5 is adapted to be inserted and withdrawn through the bottom opening in the pail, and means are provided for holding the same in place. This comprises a bar 7, pivoted to the bottom of the pail at one side of the said opening, and having its free end adapted to engage with a keeper 8 at the other side of the opening, the main portion of the bar extending across the opening and serving to hold the spirit or oil lamp in position. A series of shelves 9 are provided within the pail to hold the contents thereof and separate the same from each other. These shelves are perforated and provided with a central opening to fit around the tube or flue, and the lowermost shelf rests upon flanges 10 on the interior side walls of the pail and upon the shoulders 6 of the tube or funnel, while the upper shelf or series of shelves upon said lower shelf rests upon flanges or ledges 10, also on the side walls of the case, and upon flanges 12 on the contracted portion of the tube or flue 3.

The cover 13 fits down within and closes the upper end of the dinner-pail. This cover is provided with a tubular shank 14, adapted to permit the products of combustion from the spirit-lamp to escape to the atmosphere, and this is closed by a cap 15, provided with a handle 16, and adapted to serve as a cup from which the workman may drink coffee or other beverage.

I have provided improved means for preventing the products of combustion from the spirit or oil lamp being forced backward by the wind or otherwise into the kettle and impregnating the contents thereof with its odor. In this instance the side flange 16 of the cover is connected with and supports a bottom plate 17, which serves as an auxiliary cover. This auxiliary cover is provided with a central opening, through which the upper end of the tube or flue 3 extends. This cover fits around the tube tightly and when the lamp is lighted, to heat the contents of the pail, prevents the products of combustion thereof from passing downward into the pail.

It will be understood that when it is desired to heat the victuals contained within the kettle the cap or cup 15 is removed and the lamp 5 lighted. The heat radiating from the tube or flue 3 serves to heat the pail and its contents. It will be seen that if the auxiliary cover were not provided the products of

combustion issuing from the lamp, if forced back into the vessel by the wind or closure of the escape-shank 14, the contents of the vessel would be impregnated with the odor of the same and liable to be rendered unfit for use. The provision of the auxiliary cover therefore is most important.

The pail or kettle may be provided with a bail-shaped handle 18, by which it may be carried.

My invention provides a simple, durable, and cheap construction of dinner pail or kettle which possesses advantages peculiar to its construction alone.

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

1. In a dinner-pail, the combination of a pail provided with a funnel-shaped tube or flue having an enlarged bottom end, and a top contracted end having shoulders formed at their intersections, and a series of perforated supporting-plates contained within the pail and resting upon flanges on said tube and side walls of the pail, the lowermost one of said plates resting upon the said shoulder of the flue or tube, substantially as described.

2. In a dinner-pail, the combination of a pail having a tube or flue extending therethrough and adapted to contain a lamp or other heating medium, a cover closing the said pail and provided with an opening for passage of the products of combustion from the lamp to the atmosphere, and an auxiliary cover below the said top cover and adapted to fit tightly about the tube or flue and prevent the products of combustion from the lamp from being forced back into the pail, and a series of supporting-plates within the pail and supported upon said tube, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

WM. MACCALLUM.

Witnesses:
ARCHIE A. MACCALLUM,
D. F. MORANVILLE.