

No. 690,519.

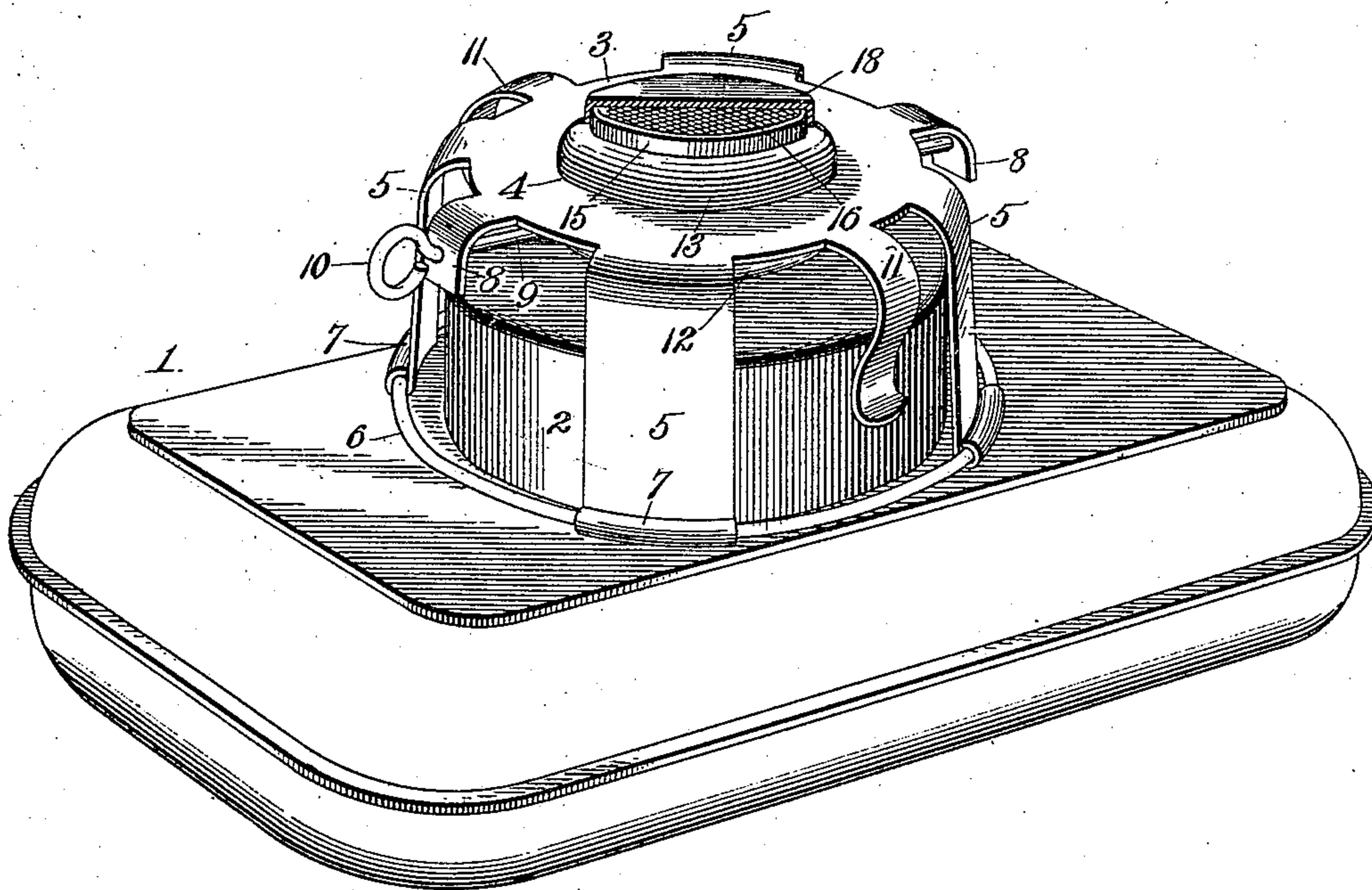
Patented Jan. 7, 1902.

S. H. GARTRELL.  
BURNER ATTACHMENT FOR DINNER PAILS.

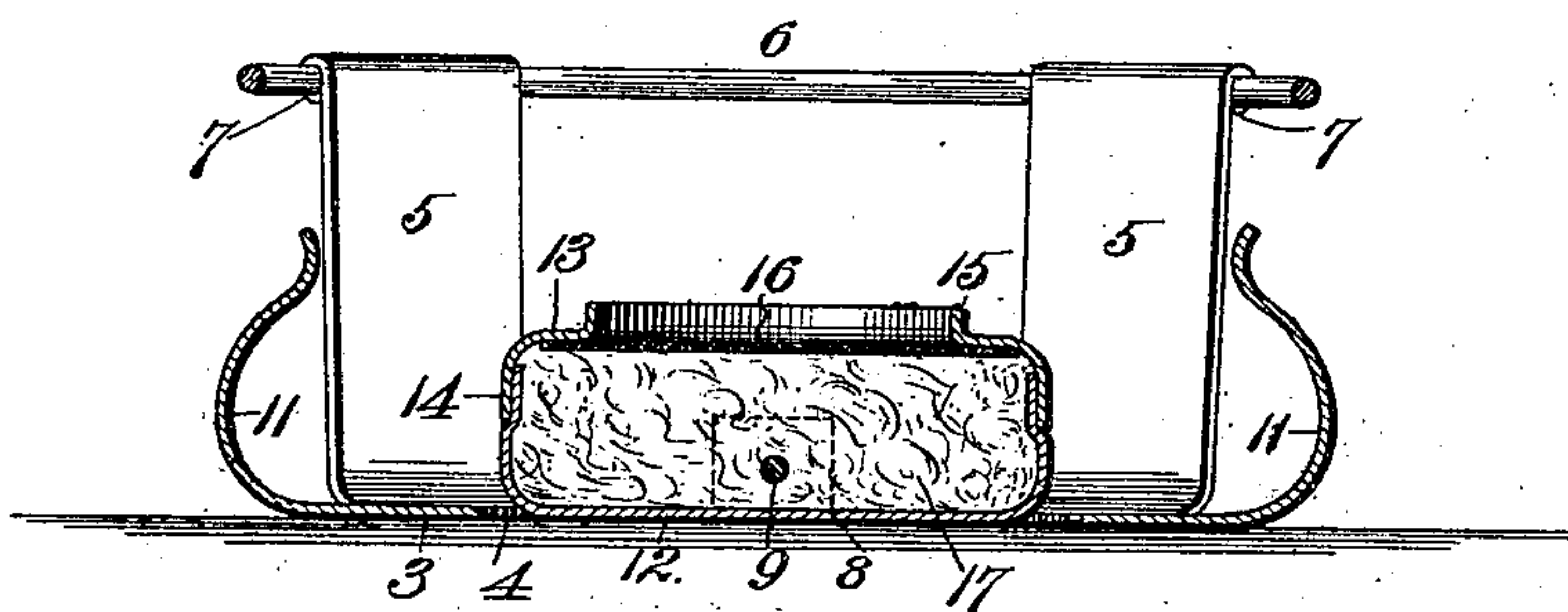
(Application filed Feb. 12, 1901.)

(No Model.)

*Fig. 1.*



*Fig. 2.*



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# UNITED STATES PATENT OFFICE.

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## BURNER ATTACHMENT FOR DINNER-PAIS.

SPECIFICATION forming part of Letters Patent No. 690,519, dated January 7, 1902.

Application filed February 12, 1901. Serial No. 46,974. (No model.)

*To all whom it may concern:*

Be it known that I, STERNE H. GARTRELL, a citizen of the United States, residing at Kansas City, Jackson county, Missouri, have invented a new and useful Burner Attachment for Dinner-Pails, of which the following is a specification.

My invention relates to burner attachments for dinner-pails, and has for its object the provision of an efficient burner, which, first, can be conveniently attached to the top of a dinner-pail without interfering with the convenient portage of the latter; secondly, can be instantly detached from or reattached to the pail, and, thirdly, is of simple, strong, durable, and cheap construction.

With these objects in view the invention consists in certain novel and peculiar features of construction and organization, as hereinafter described and claimed, and in order that it may be fully understood reference is to be had to the accompanying drawings, in which—

Figure 1 represents a perspective view of my burner as attached to the upper portion of a dinner-pail. Fig. 2 represents a vertical section of the burner detached and in position to have the receptacle containing the liquid to be heated placed upon it.

In the said drawings, 1 designates the upper portion of the type of dinner-pail in common use, the same acting as a cover for the lower portion (not shown) and as a receptacle for coffee, tea, or other liquid. 2 designates the removable cover for said receptacle, the same forming a drinking-cup when detached and inverted. The bail of the pail, which is attached to the lower or body portion arches over the said cover in the usual manner for convenience in carrying the pail, and the handle on the bail is disposed approximately two inches above said cup, which space is ample to receive my improved burner upon the cover and the hand grasping the handle.

This burner comprises, preferably, a circular body portion 3, having a central opening 4 and a plurality of upwardly-projecting standards 5, said standards being preferably somewhat longer than the depth of the cup or cover 2 and carrying at their upper ends in a horizontal plane a skeleton platform or ring

6, the connection being established by bending the standards around the ring, as at 7. At diametrically opposite points between certain of said standards are upwardly-projecting arms 8, which serve as a bearing for the cross-rod 9, said rod being bent at one end to form a handle 10 for a purpose which hereinafter appears. At right angles to arms 8 curved spring-clamps 11 project upwardly from opposite sides of portion 3, the distance between the terminals of said opposite clamps being less than the diameter of the cup or cover, so that when the device is inverted and slipped down upon the inverted cup or cover the clamps 11 by inward pressure will serve to hold the device reliably in position, with the portion 3 occupying a plane a quarter of an inch, more or less, above the cover.

Referring now to the burner proper, a circular box of sheet metal is constructed, preferably, of the lower half 12 and the upper half 13, the latter being of annular form and provided with a depending marginal flange 14, secured upon the lower half 12, and an upwardly-projecting circular flange 15. It is also provided with a foraminous cap 16, below which is confined suitable absorbent material 17, such as asbestos or mineral wool, the same being adapted to receive a teaspoonful, more or less, of alcohol each morning, which quantity will sustain combustion a sufficient length of time to raise the contents of receptacle 1 to the desired temperature, evaporation of the alcohol or its equivalent during the morning hours being prevented by a cap 18, fitting snugly upon flange 15, said cap being sectioned in Fig. 1 to disclose the foraminous cap below. This burner is secured rigidly upon the cross-rod 9 in about the relative position shown most clearly in Fig. 2, so that by grasping handle 10 and turning the same half around the burner may be caused to assume its operative position, as shown in Fig. 2, or its inoperative position, as shown in Fig. 1. By reason of the relation of the parts it will be noticed that when occupying its operative position it may rest squarely upon the ground or other support for portion 3 and that the flame from the burner will be close to the bottom of the receptacle 1 or its equivalent afforded a firm and substantial



support by platform or ring 6, it being understood, of course, that before the lighted match is applied to the burner cap 18 is removed. When the contents of receptacle 1 have attained the desired temperature, (by which time the supply of alcohol is usually exhausted,) the cover 2 is removed from the receptacle and used as a drinking-cup in the usual manner, it being noticed in this connection that as the flame is brought to bear directly upon the bottom of the receptacle the cup or cover never gets sufficiently hot to burn the lips of the user. After dinner the receptacle is replaced in the body of the pail, the cap or cover 2 placed upon the former, the cap 18 restored to the position shown in Fig. 1, and the burner inverted and slipped down upon cover 2, where it remains entirely out of the way and in a position from which it cannot be accidentally lost.

The burner attachment is preferably constructed of sheet metal and may be made in suitable sizes to accommodate practically all of the dinner-pails now on the market. By reference to Fig. 1 it will be seen that it fits so snugly and compactly upon the cover or cup 2 that it practically forms a part of it and projects above the same so slightly that it is entirely out of the way of the hand upon the handle of the bail.

By the use of my improved burner attachment, which can be manufactured and sold so cheaply that it is within the reach of all, the necessity of drinking a liquid with ice floating therein will be avoided and the meal thereby rendered palatable and more enjoyable. This burner will be found especially serviceable to street-car conductors and others whose work permits them only a limited time in which to consume their mid-day meal.

From the above description it will be apparent that I have produced a burner attachment for dinner-pails which embodies the features of advantage enumerated as desirable in the statement of invention, and it is to be understood that while I have illustrated and described the preferred embodiment of the invention it is susceptible of modification in various particulars without departing from the spirit and scope or sacrificing any of its advantages.

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

1. A burner attachment for dinner-pails, comprising a body portion, standards and spring-clasps projecting therefrom in the same general direction, and a burner proper suitably supported between said standards and clasps and contiguous to the body portion.

2. A burner attachment for dinner-pails, comprising a body portion provided with an opening and standards projecting therefrom at one side, and a burner proper pivotally supported so that its face may occupy sub-

stantially the same plane as the body portion or its upper portion project through the opening of the body portion at the side of the latter opposite to that from which the standards project, substantially as described.

3. A burner attachment for dinner-pails, comprising a body portion provided with an opening and standards projecting therefrom at one side, a skeleton platform supported at the opposite ends of said standards in a plane substantially parallel with that of the body portion, and a burner proper pivotally supported so that its base may occupy the same plane as the body portion, or its upper portion project through the opening of the body portion at the side of the latter opposite to that from which the standards project, substantially as described.

4. A burner attachment for dinner-pails, comprising a body portion provided with an opening and standards projecting therefrom at one side, a skeleton platform supported at the opposite ends of said standards in a plane substantially parallel with that of the body portion, a burner proper pivotally supported so that its base may occupy the same plane as the body portion, or its upper portion project through the opening of the body portion at the side of the latter opposite to that from which the standards project, and means for securing the attachment to the cover or cup of the pail, substantially as described.

5. A burner attachment for dinner-pails, comprising a body portion, provided with an opening, standards projecting from the body portion at one side, clamping-arms projecting from the same side as said standards and adapted to embrace the inverted cover or cup of the pail, a skeleton platform supported at the opposite ends of said standards in a plane substantially parallel with that of the body portion, and a burner proper pivotally supported so that its base may occupy the same plane as the body portion, or its upper portion project through the opening of the body portion at the side of the latter opposite to that from which the standards project, substantially as described.

6. A burner attachment for dinner-pails, comprising a body portion provided with a central opening, arms and standards projecting from the body portion at one side, a skeleton platform secured to the opposite ends of said standards, a rod journaled in said arms and extending diametrically across said opening, a burner proper secured upon said rod and adapted by the turning of the latter to operate through said opening and face in opposite directions, and means to secure the attachment to the cover or cup of the pail, substantially as described.

7. A burner attachment for dinner-pails, comprising a body portion provided with a central opening, arms and standards projecting from the body portion at one side, a skeleton platform secured to the opposite ends of



said standards, a rod journaled in said arms  
and extending diametrically across said open-  
ing, a burner proper secured upon said rod  
and adapted by the turning of the latter to  
5 operate through said opening and face in op-  
posite directions, means to secure the attach-  
ment to the cover or cup of the pail, and a  
non-perforate cap to cover the burner proper

and prevent the evaporation of its contents,  
substantially as described.

In testimony whereof I affix my signature  
in the presence of two witnesses.

STERNE H. GARTRELL.

Witnesses:

H. C. RODGERS,  
G. Y. THORPE.