No. 666,651. Patented Jan. 29, 1901.

C. K. DECHERD.

HEAT INSULATOR FOR HANDLED VESSELS.

(Application filed Oct. 24, 1900.)

(No Model.)

Fig. 1

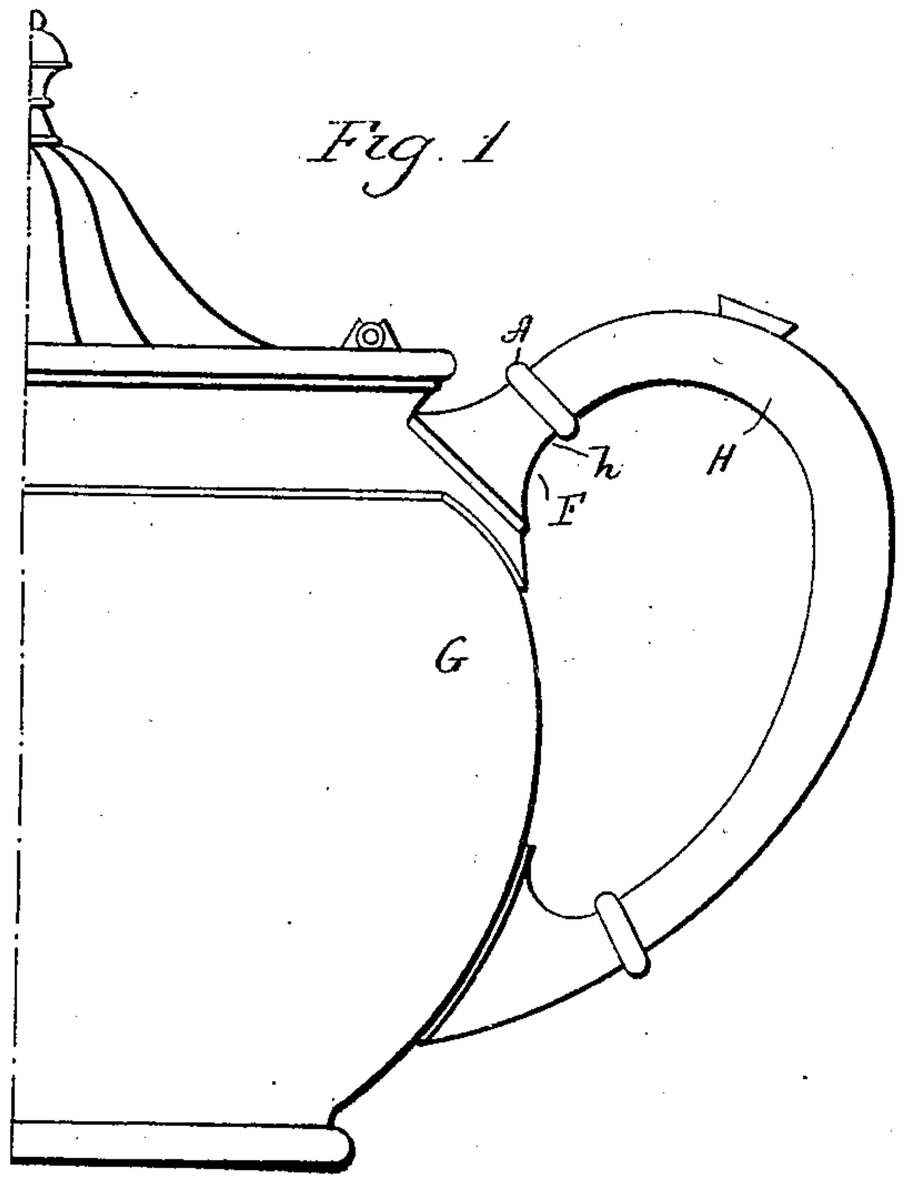


Fig. 2

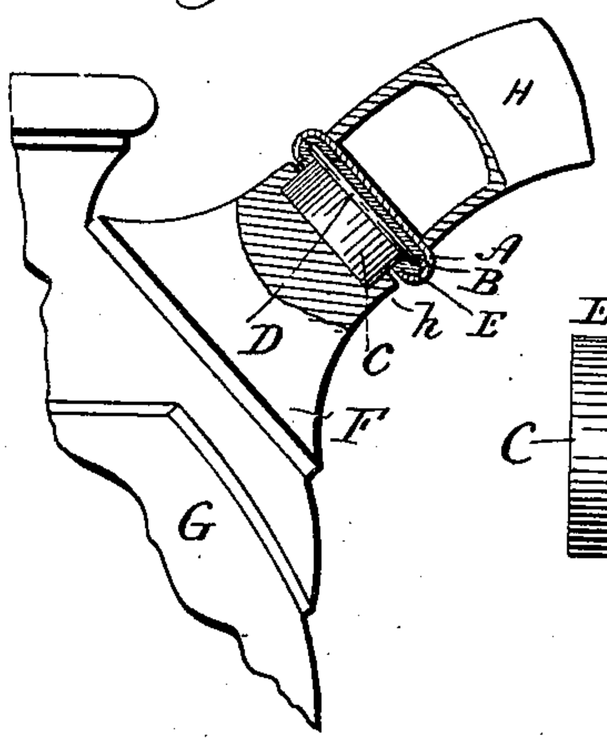


Fig. 3

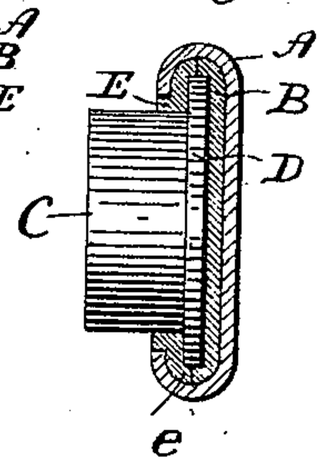


Fig. 4

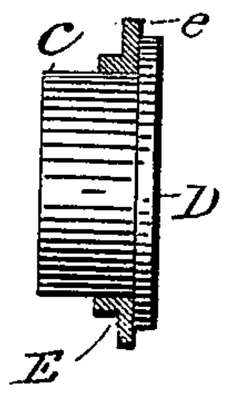
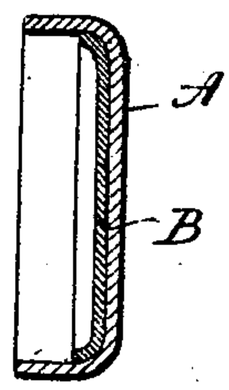


Fig. 5



Witnesses.
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Inventor.
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UNITED STATES PATENT OFFICE.

CONSTANT K. DECHERD, OF MERIDEN, CONNECTICUT, ASSIGNOR TO THE INTERNATIONAL SILVER COMPANY, OF SAME PLACE.

HEAT-INSULATOR FOR HANDLED VESSELS.

SPECIFICATION forming part of Letters Patent No. 666,651, dated January 29, 1901.

Application filed October 24, 1900. Serial No. 34,107. (No model.)

To all whom it may concern:

Be it known that I, CONSTANT K. DECHERD, of Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Heat-Insulators for Handled Vessels; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a broken side view of a vessel having a handle insulated therefrom by a device constructed in accordance with my invention; Fig. 2, a broken sectional view of the upper end of the handle, illustrating the manner of inserting the insulator between the handle and the vessel; Fig. 3, a sectional view of the cup and insulator-disk; Fig. 4, a sectional view of the plug and insulator-ring; Fig. 5, a sectional view of the plug and ring connected, Figs. 3, 4, and 5 being enlarged.

This invention relates to an improvement in heat-insulators for the handles of hollow ware—such as tea, coffee, and hot-water pots—of silver or other metal.

To prevent the handles from becoming heated by the passage of heat from the vessel to the grip, insulators are inserted between the handle and the vessel. In many cases these insulators are secured by screws or pins, which in the course of time become worn and loosened, so that the handles rattle or become detached.

The object of this invention is to construct an insulator which may be firmly soldered both to the handle and to the vessel, so as to do away with rivets or pins and, yet perfectly insulate the handle from the vessel; and it consists in the construction as hereinafter described, and particularly recited in the claims.

In carrying out my invention I form a cup-shaped socket A of the desired form, corresponding to the style of handle employed, and, as herein shown, it is oval. Into this socket is placed a disk B, of vulcanized fiber or other suitable non-conductor of heat. In connection with this cup I employ a plug C, having a flange D corresponding to the interior of the cup A, into which it is adapted to pass. Around the plug A and so as to rest upon the flange D a ring E, of any suitable material, is located, the said ring having an edge *e*, which projects beyond the edge of the flange D. This plug is inserted into the cup A and the edge of the cup turned downward over the flange D of the plug and its edge turned inward to bear against the insulated ring E and so as to firmly hold the plug in position, the space between the plug and its flange and the inner surface of the socket being insulated from each other by the insulating washer and ring. An insulator of this character is adapted to be inserted between a lug or socket F, secured to a vessel G, and a handle H, as shown in Fig. 2. For this purpose the socket F is preferably formed with a lip *h*, which sets over the outer end of the plug C; but this lip will be insulated from the edge of the cup A by the insulating material which rests between the edge of the cup and the sides of the plug, and the handle is soldered directly to the cup A. It will thus be seen that the handle is perfectly insulated from the vessel and the insulator rigidly secured to the vessel and the handle without the aid of pins, screws, or other devices which by wear and the variations in temperature are liable to become detached.

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

1. An insulator for handled vessels, consisting of a cup and a plug formed at its outer end with a flange, the edge of the said cup adapted to be turned around said flange, and insulating material between the plug and the cup, substantially as described.

2. An insulator for handled vessels, consisting of a plug adapted to be secured to a vessel, and formed at its outer end with a flange, a cup adapted to receive the flanged end of the plug and be turned around said flange, insulating material between said plug and cup, and a handle secured to said cup, substantially as described.

3. An insulator for handled vessels, consisting of a plug adapted to be secured to a vessel, and formed with a flange at its outer end, a cup adapted to receive the flanged end

of said plug, an insulating-disk in said cup, an insulating-ring around said plug, the edge of which extends beyond the said flange, and the edge of the cup turned over said flange and against said ring, whereby the plug is interlocked with the cup and insulated therefrom, substantially as described.

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

CONSTANT K. DECHERD.

Witnesses:

JAMES H. KELSEY,

M. R. STERNBERG.