UNITED STATES PATENT OFFICE.

HARRY I. CLULEE, OF WALLINGFORD, CONNECTICUT, ASSIGNEE TO R. WALLACE & SONS MFG. CO., OF WALLINGFORD, CONNECTICUT, A CORPORATION.

INSULATED HANDLE FOR VESSELS.

Application filed April 13, 1922. Serial No. 532,349.

To all whom it may concern:

Be it known that I, Harry I. Clulee, a citizen of the United States, residing at Wallingford, in the county of New Haven, and State of Connecticut, have invented a new and useful Improvement in Insulated Handles for Vessels; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Fig. 1 a side view, showing a portion of a handle vessel having one of my improved insulators installed therein.

Fig. 2 a sectional view on the line 2—2 of Fig. 1.

Fig. 3 a sectional view on the line 3—3 of Fig. 1.

Fig. 4 a sectional view of a modified form of my invention.

Fig. 5 a sectional view of another modified form of my invention.

This invention relates to improvement in heat insulators for handle vessels, that is, devices inserted between two parts of handles for tea, coffee, and hot-water pots. In handle vessels having insulators, this generally forms the weakest part of the handle. The object of this invention is to provide an effective insulator which will have sufficient bearing in the members of the handle to be firmly held in position and to a certain extent reinforce the handle, and the invention consists in the construction as hereinafter described and particularly recited in the claims.

These insulators are located between the ends of a handle-member 5 and a lug-member 6, which are attached to a vessel 7 in the usual way. The insulator consists of a block 8 of fiber, or other non-conductor of heat, somewhat larger in diameter than the diameter of the handle, but corresponding to the general shape thereof. As shown in Fig. 3 of the drawings, this insulator is located in a cup 9, so that one face of the insulator is exposed. Arranged on opposite sides of the insulator are sockets 10 and 11, with their open ends outward and adapted to enter the lower end of the handle 5, and the upper end of the lug 6. The closed ends of these sockets are formed with angular openings preferably square, to receive a rivet 12 corresponding to the holes in the sockets and extending through the insulator block 8, the end of the rivet being divided and the points 13 turned outward, inside one of the sockets. In this construction, the end of one member of the handle bears against the insulator and is out of contact with the cup 9 enclosing it. The end of the other member of the handle abuts against the closed face of the cup 9.

Instead of employing a cup to enclose the insulator block, it may be surrounded by a metal band 14, as shown in Fig. 4 of the drawings.

In either construction, the sockets 10 and 11 are readily drawn up from sheet-metal, and may be of sufficient length to give a firm bearing in the handle-members, which are secured thereto by soldering or brazing, so as to form a tight joint. The angular rivet 12 prevents the parts from turning, so that a very rigid connection is made between the two parts of the handles, and they are insulated from each other, except as to such heat which might pass through the rivet 12, which is too small to have any material effect.

While I have shown only one insulator installed in a handle, it is obvious that in some styles of handles, two insulators may be employed.

As a manufacturing expedient, it may be desirable to form a recess 15 in the under face of the cup 9 and insert a recessed washer 16 between the cup 10 and the exposed face of the block 8, as shown in Fig. 5.

I claim:

1. An insulator for handle vessels, comprising a disk of insulating material, socket-members secured to opposite sides thereof and open at their outer ends, and an angular rivet extending through the closed ends of the socket and through the center of the insulating block and upset to firmly unite the parts.

2. An insulator for handle vessels, com-
prising an insulator block, a cup enclosing one side and the edges of the said block, two open-ended sockets, the closed end of one on the exposed face of the insulator block, and the other against the lower face of the enclosing cup, and an angular rivet connecting the said two sockets through the insulator block.

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

HARRY I. CLULEE.

Witnesses:

A. K. WILKINSON,

JNO. W. LEAVENWORTH.