

No. 740,649.

PATENTED OCT. 6, 1903.

D. HEER.  
INSULATING HANDLE CONNECTION.  
APPLICATION FILED JUNE 23, 1903.

NO MODEL.

Fig. 1.

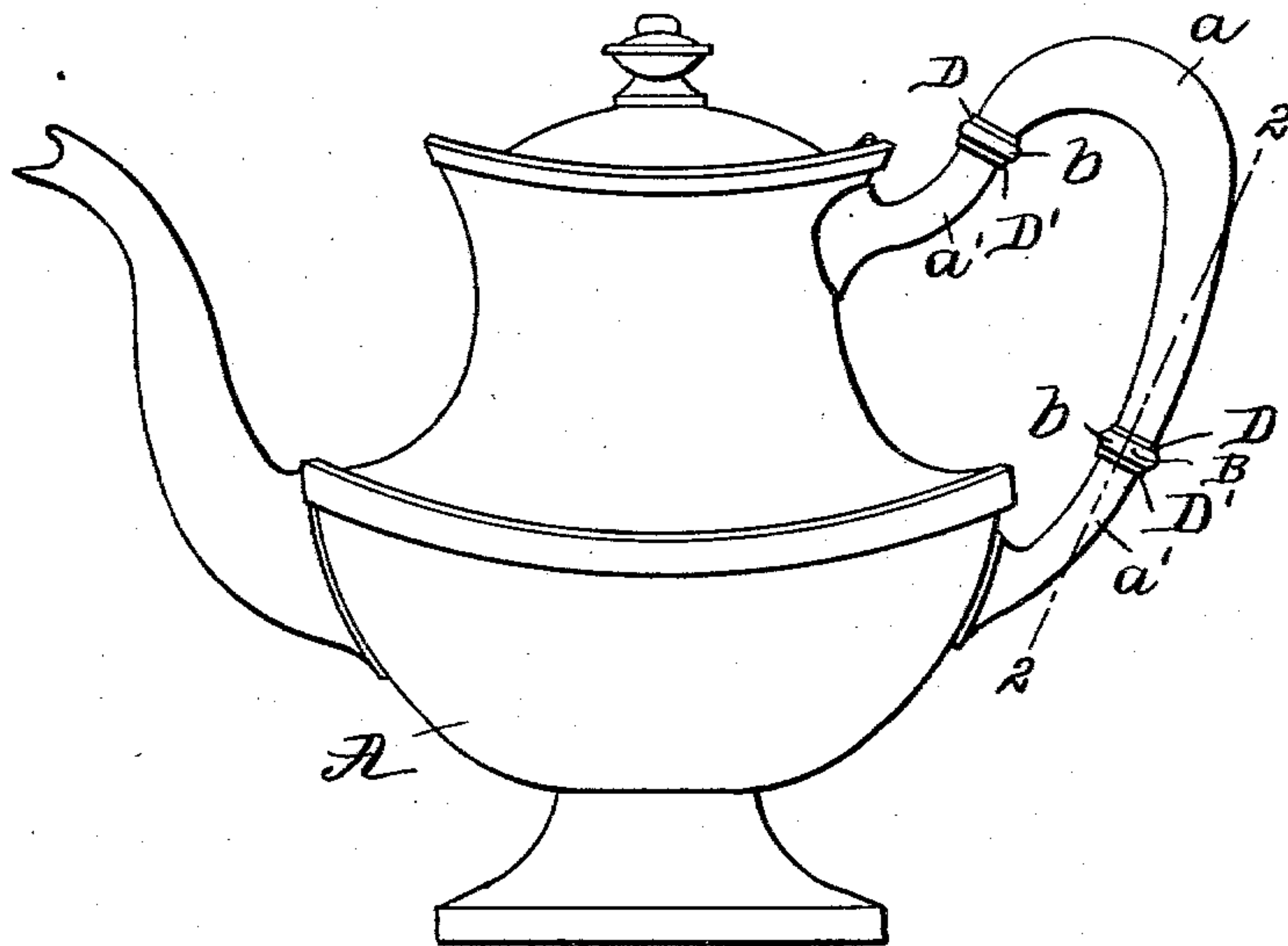
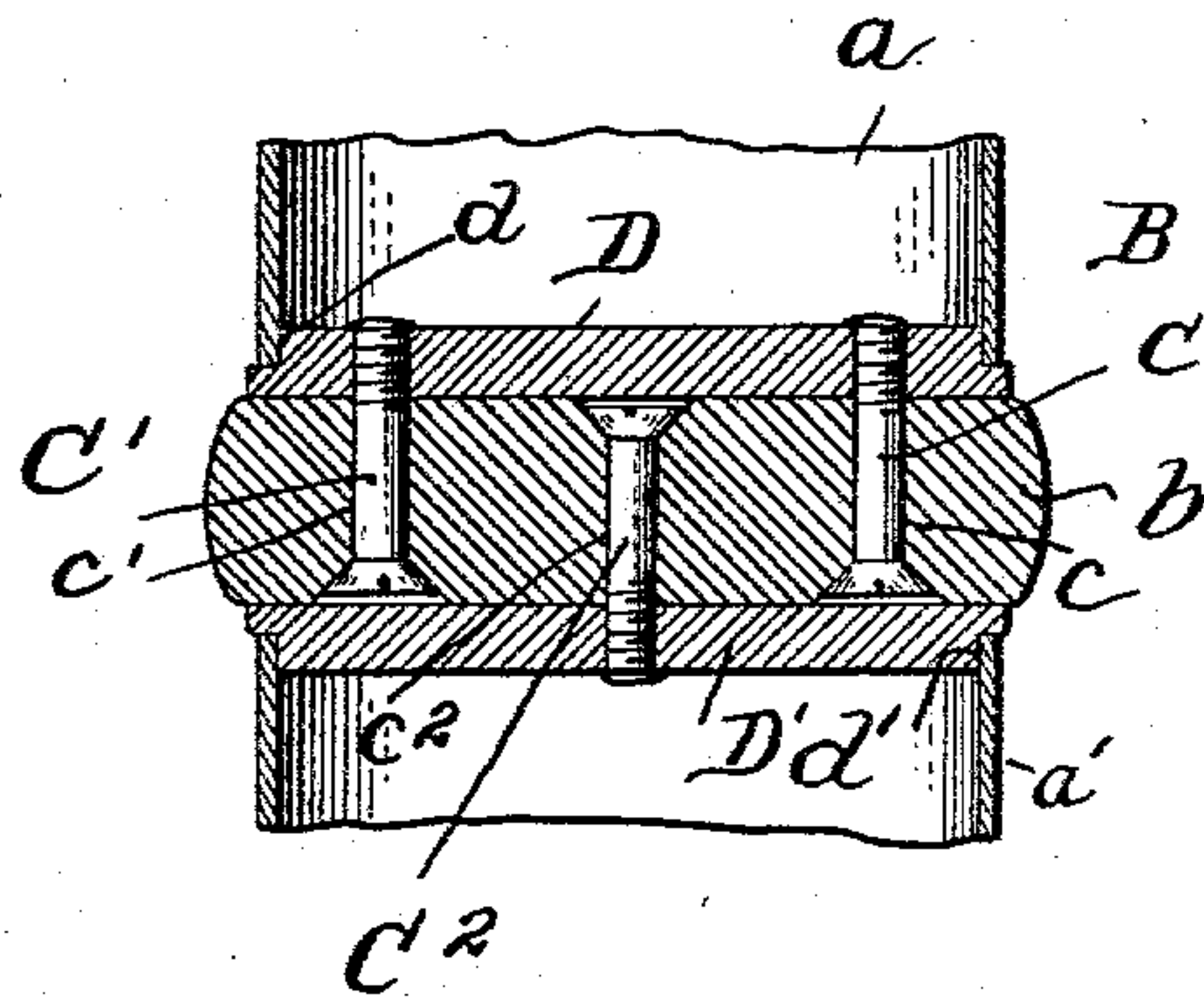


Fig. 2.



WITNESSES:

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DAVID HEER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HERO FRUIT JAR COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

## INSULATING HANDLE CONNECTION.

SPECIFICATION forming part of Letters Patent No. 740,649, dated October 6, 1903.

Application filed June 23, 1903. Serial No. 162,722. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID HEER, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Insulating Handle Connections, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to insulating handle connections to be used with handles of vessels containing heated liquids. As is the case with insulating handle connections generally, my improvement is designed to be placed between the part of the handle grasped by the user and the vessel, so that any heat will not be transmitted to the hand of the operator.

The object of my invention is to provide an insulator of this class which is simple in construction and certain in action.

I will first describe the embodiment of my invention illustrated in the accompanying drawings and then point out the invention in the claims.

In the drawings, Figure 1 is a side view of a vessel with my improved handle connection. Fig. 2 is an enlarged sectional view on the line 2-2, Fig. 1.

A is the vessel having the handle, of which  $a'$  designates the portions directly connected or attached to the vessel, and between these portions  $a'$  is the portion  $a$ , which is the grasping portion. Interposed between each end of portion  $a$  and the contiguous portions  $a'$  are the insulators B. These insulators are composed of the central disk or piece  $b$ , formed of non-heat-conducting material. This disk  $b$  has through it the orifices  $c$   $c'$   $c^2$ , the orifices  $c$  and  $c'$  being countersunk on one face of the disk  $b$  and the orifice  $c^2$  being countersunk on the other face.

$D$   $D'$  are two plates having projecting portions  $d$  and  $d'$ , respectively, for soldering to the ends of portions  $a$  and  $a'$  of the handle. Through the orifices  $c$  and  $c'$  and the plate  $D$  pass the screws  $C$   $C'$ , and through the orifice  $c^2$  and plate  $D'$  passes the screw  $C^2$ . Thus by means of screws  $C$   $C'$  the plate  $D$  is con-

nected to the insulating-disk  $b$ , and by means of screw  $C^2$  the plate  $D'$  is connected to disk  $b$ . The screws  $C$  and  $C'$  extend through the orifices  $c$  and  $c'$  only to the countersunk portion, and the screw  $C^2$  extends through the orifice  $c^2$  only to the countersunk portion. Hence the screws for one plate are insulated from the other plate.

In place of screws  $C$ ,  $C'$ , and  $C^2$  rivets may be used, as is evident without further description or illustration, and when in the claims I use the term "screws" I intend to include rivets. The insulators B are first formed by securing the plates  $D$   $D'$  to the central disk or piece  $b$ , as described. The projecting portion  $d'$  of one insulator is soldered to one end of the portion  $a$  of the handle. The projecting portion  $d$  of another insulator is soldered to the other end of portion  $a$  of the handle. The opposite ends  $d$  and  $d'$  of the two insulators are then soldered to the portion  $a'$  of the handle.

Having now fully described my invention, what I claim, and desire to protect by Letters Patent, is—

1. An insulator handle connection comprising a central portion of insulating material plates on each end of said central portion, a screw connecting one plate with the central portion and a screw connecting the other plate with the central portion, the screw of each plate being insulated from the opposite plate.

2. An insulating handle connection comprising a central portion of heat-insulating material and plates on each side of the central portion, a screw connecting one plate and the central portion and a screw connecting the other plate and central portion, the orifice in the central portion for each screw being countersunk on the face contiguous to the opposite plate, whereby the screw for one plate is insulated from the other plate.

In testimony of which invention I have hereunto set my hand, at Philadelphia, on this 20th day of June, 1903.

DAVID HEER.

Witnesses:

F. M. BROWER,  
JOHN H. GAULT.