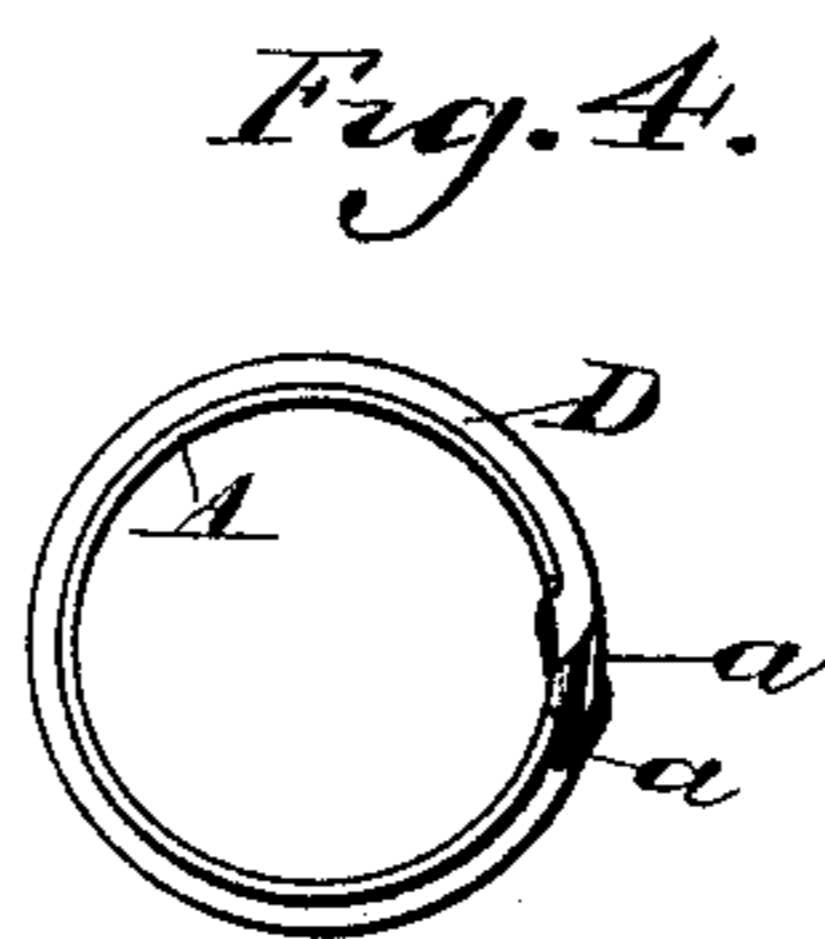
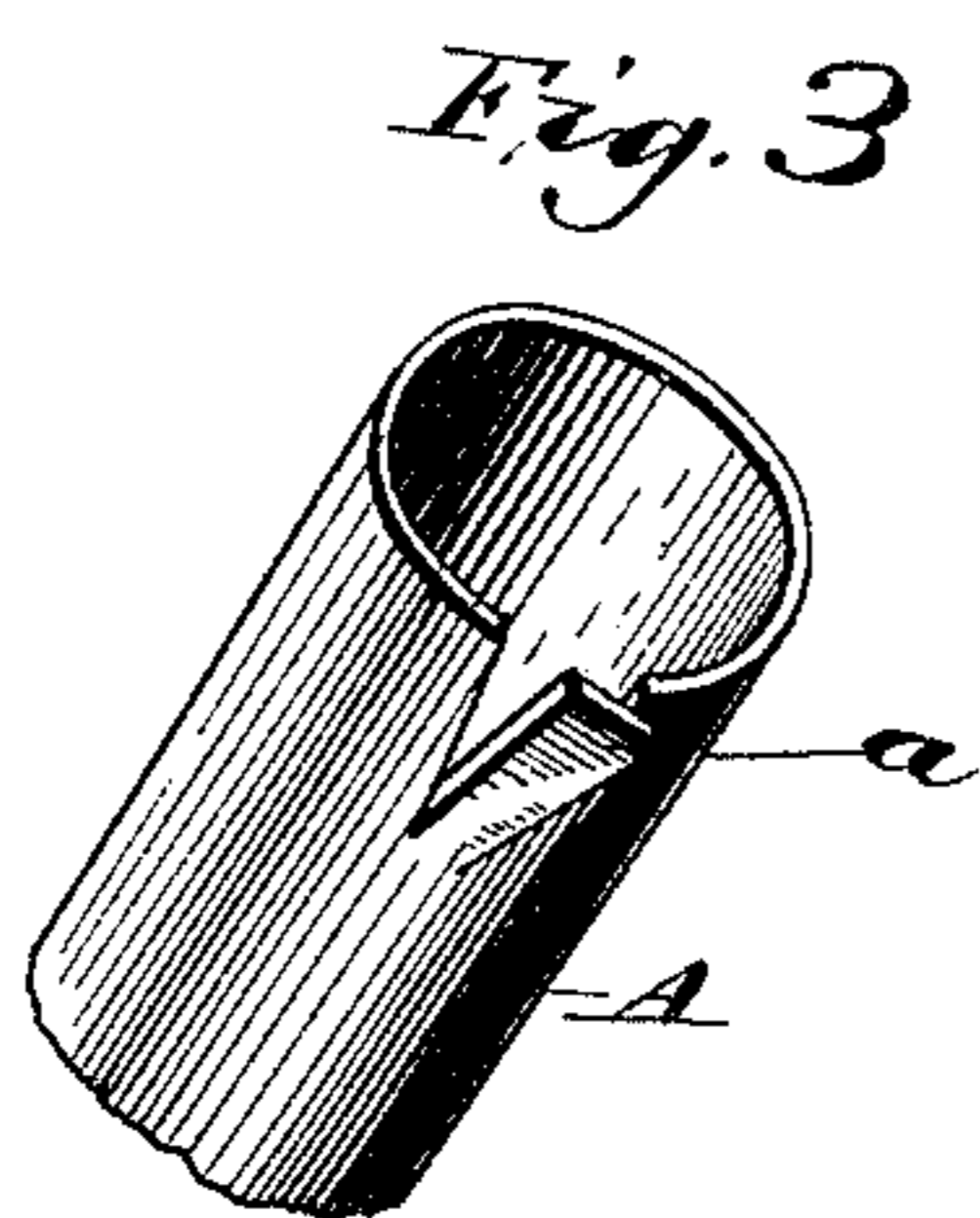
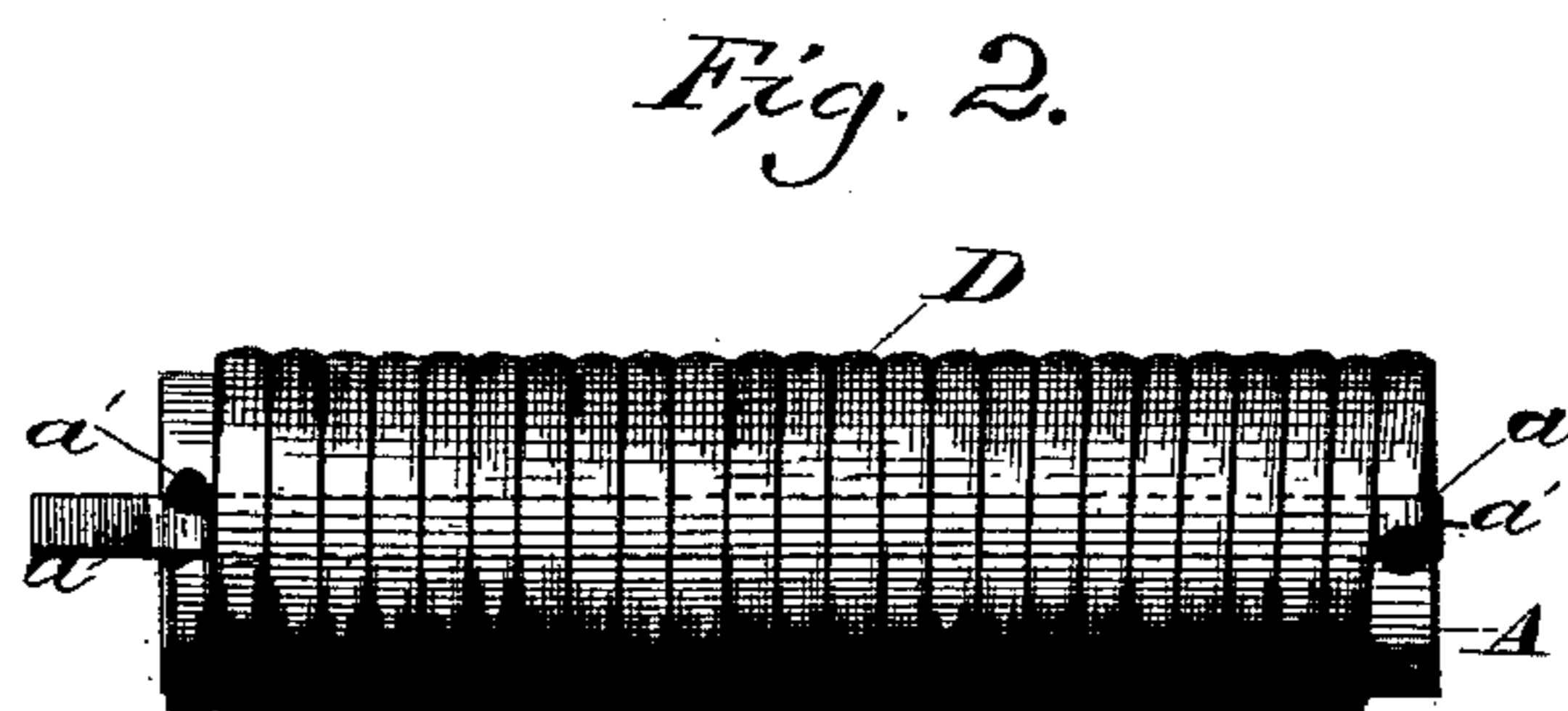
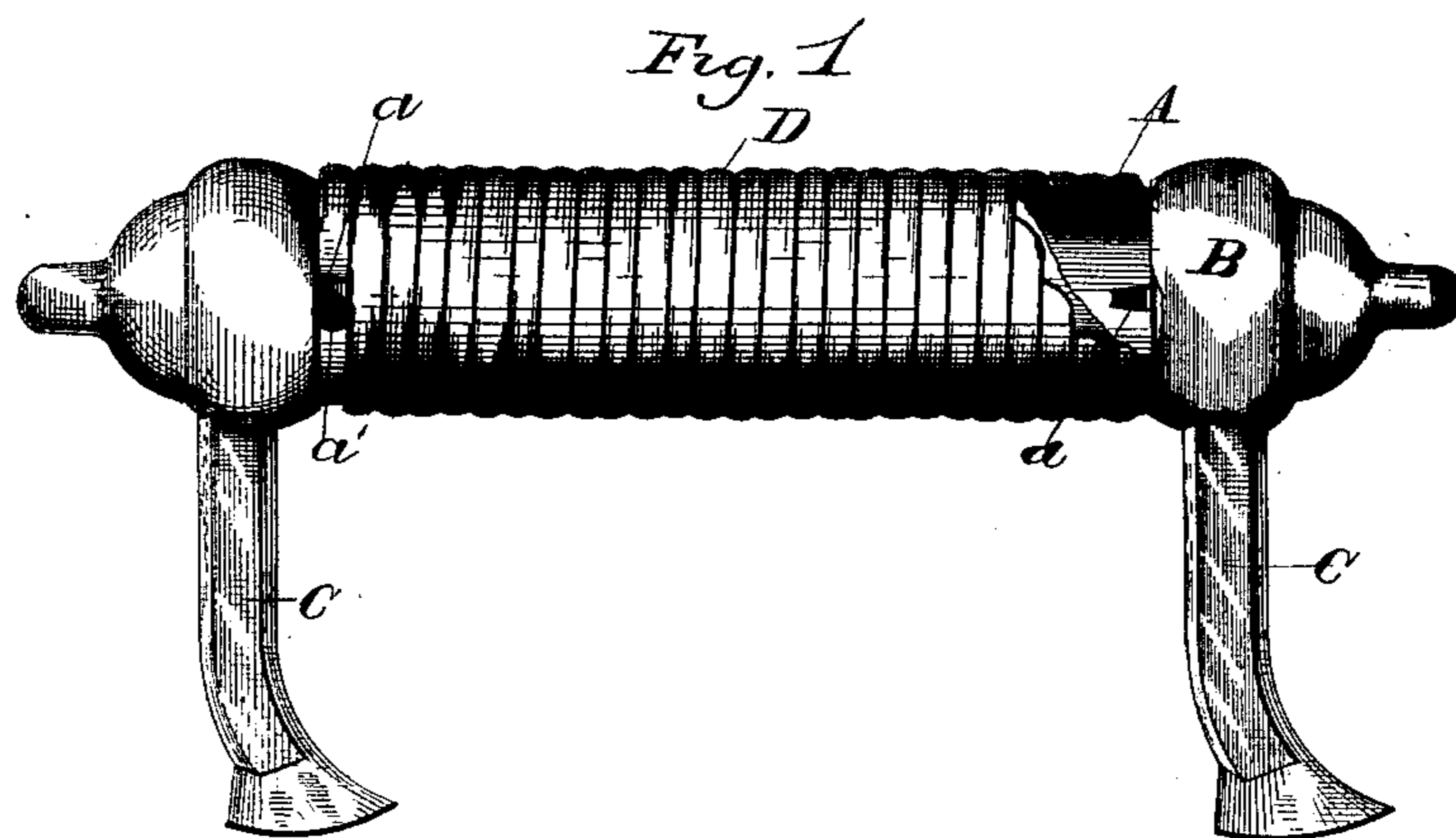


(No Model.)

H. L. PALMER.
HANDLE.

No. 410,672.

Patented Sept. 10, 1889.



Witnesses

J. R. Cornwall

L. S. Bacon

Inventor

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By *his* Attorney

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UNITED STATES PATENT OFFICE.

HENRY L. PALMER, OF BROOKLYN, NEW YORK.

HANDLE.

SPECIFICATION forming part of Letters Patent No. 410,672, dated September 10, 1889.

Application filed May 10, 1889. Serial No. 310,302. (No model.)

To all whom it may concern:

Be it known that I, HENRY L. PALMER, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Handles; 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 an improvement in handles; and it consists in the construction and arrangement of the parts thereof, hereinafter described and claimed.

The object of my invention is to provide an ornamental handle for vessels which will be strong and durable and cheaply manufactured. I attain this object by the construction illustrated in the accompanying drawings, wherein like letters of reference indicate corresponding parts in the several views, and in which—

Figure 1 is an elevation of my improvement, partly broken away. Fig. 2 is an elevation of the hand-piece, showing a modified form of fastening the ends of the rattan. Fig. 3 is a detail perspective view of the end of a cylinder, and Fig. 4 is an end view of the hand-piece.

In the drawings, A represents the cylinder forming the hand-piece; B, the caps or ends rigidly secured thereto, and C the attaching-arms which project out from the end pieces. These portions are constructed of metal and so united that they practically form a single piece.

To provide an agreeable non-heat-conducting and convenient grasping-surface as well as adding to the appearance of the handles, I wind spirally on the cylindrical hand-piece a continuous strip of rattan D, the respective coils being closely arranged relatively to each other to cover the entire grasping-surface of the metal cylinder between the end pieces.

At each end of the cylinder A, I form a tongue *a*, struck up from the metal of the cylinder, and bend these tongues outward. I place the respective ends of the rattan, after it has been tightly wound on the hand-piece, beneath these tongues, and then force the tongues *a* down onto and over the inserted ends of the rattan and secure them in this po-

sition by solder, as at *a'*. The ends of the rattan are thus capped or incased, they projecting through into the cylinder, and are thereby prevented from splitting, and are also tightly held in place to prevent the unwinding of the strip.

In Fig. 2 I have shown a modified form of securing the ends. In this case I place a metal strip *a* across the outer surface of the hand-piece, with its ends projecting beyond the same, the said projecting ends in this case forming the tongues. I then tightly bind the rattan over the same and insert its ends beneath the ends of the strip, which I then bend around the edges of the ends of the hand-piece into the cylinder and solder it in this position. It will thus be seen that a strong and attractive handle is produced, practically non-heat-conducting and convenient and durable.

I am aware that many minor changes in the construction and arrangement of the parts of my device can be made and substituted for those shown and described without in the least departing from the nature and principle of my invention.

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

1. A metal handle having a hollow hand-piece, the outer surface of which is wrapped with rattan, and tongues at the ends of the hand-piece securing the rattan in place, substantially as described.

2. In a metal handle, the combination, with the hand-piece, of tongues formed at the ends of the hand-piece, and a strip of rattan coiled on the same, its ends being placed below the tongues and fastened thereby to the hand-piece, substantially as described.

3. The combination, with a metal hand-piece having a non-heat-conducting covering, of tongues at the ends of the hand-piece, the ends of the covering being placed below the tongues and fastened thereby to the hand-piece, substantially as described.

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

HENRY L. PALMER.

Witnesses:

JACOB G. CARPENTER,
NEVILLE MCEVOY.