UNITED STATES PATENT OFFICE.

THOMAS E. MURRAY, JR., AND JOSEPH B. MURRAY, OF BROOKLYN, NEW YORK.

METHOD OF INCLOSING TUBES WITHIN TUBES.


To all whom it may concern:

Be it known that we, THOMAS E. MURRAY, JR., and JOSEPH B. MURRAY, citizens of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Methods of Inclosing Tubes Within Tubes, of which the following is a specification.

The invention is a method of securing a tube within a tube, so that one tube lines the other, by a single electrical weld produced on the outer tube.

In the accompanying drawing—

Figure 1 is a view of the tubes before welding, the outer tube being in section. Fig. 2 is a similar view, showing the tubes after welding.

Similar letters of reference indicate like parts.

The outer tube A is formed by bending a plate of metal into tubular form—its longitudinal edges being separated by a gap B. Into said tube A is inserted the inner tube C. The edges of gap B are then brought together and electrically welded. The width of the outer tube is to be such that when said edges are welded, said outer tube will fit upon the inner tube, as shown in Fig. 2.

We claim:

1. The method of inclosing a tube within a tube, which consists in forming the outer tube by bending a plate into tubular form with a gap between its longitudinal edges, placing a tube within said bent plate, and finally bringing the edges of said outer tube into contact and electrically welding the same.

In testimony whereof we have affixed our signatures in presence of two witnesses.

THOMAS E. MURRAY, JR.
JOSEPH B. MURRAY.

Witnesses:

GERTRUDE T. PORTER,
MAX T. McGARRY.