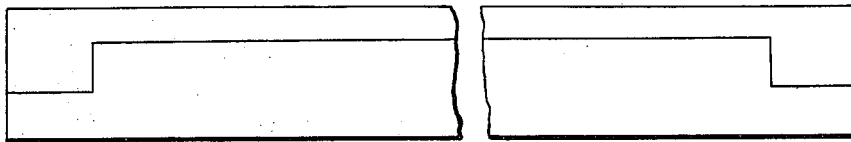
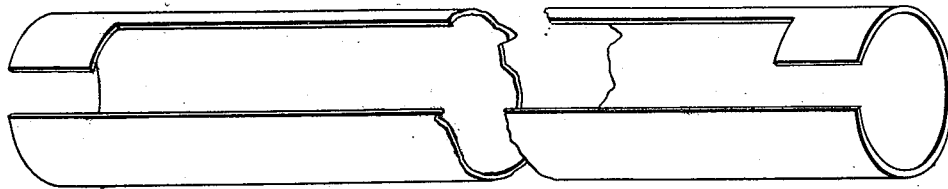


J. McCarty.

Making Metal Tubing.

N^o 6,956.

Patented Dec. 18, 1849.



UNITED STATES PATENT OFFICE.

JAMES McCARTY, OF READING, PENNSYLVANIA.

COMBINED LAP AND BUTT WELDED TUBE.

Specification of Letters Patent No. 6,956, dated December 18, 1849.

To all whom it may concern:

Be it known that I, JAMES McCARTY, of Reading, in the county of Berks and State of Pennsylvania, have invented a new and Improved Mode of Making Wrought-Iron Pipes, and that the following is a full, clear, and exact description of the principle or character which distinguishes it from all other things before known and of the usual manner of making, modifying, and using the same, reference being had to the accompanying drawing, in which the improvement is shown.

In making wrought iron tubes by machinery, a "lap-welded" joint is found very difficult to form; while a "but-weld" is comparatively easy; but pipes made by the latter plan cannot be used in certain cases, as for instance, for stretching or turning out, to form a flanch, or bending to form a curve; while for all other purposes it is as useful as the more expensive "lap-weld." My improvement consists in forming pipe which has the advantages of both, by com-

bining the two in the same pipe. I form a "but-weld" upon the pipe throughout the whole length, except about six or eight inches at each end; this part I then scarf and lap over, and weld with a regular "lap-weld," and the pipe is completed by drawing in the usual way. The ends are when thus constructed fitted to draw and turn as occasion requires, the strength for which is only wanted at the ends.

Having thus fully described my improvements, in wrought iron pipes, I wish it to be understood that I do not claim either a but-welded or lap-welded joint therein, as they are both old devices; but

What I do claim is—

A pipe composed of a combination of the but-weld, with lap-welded ends, as above particularly set forth.

JAMES McCARTY.

Witnesses:

DANIEL J. WERNER,
CYRUS J. HUNTER.