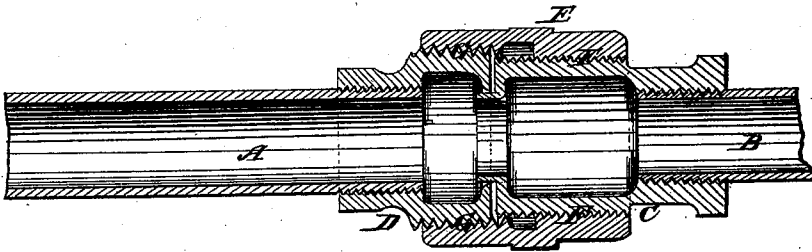


T. J. RICE.
PIPE-COUPLING.

No. 173,239.

Patented Feb. 8, 1876.



WITNESSES:

James M. Apple,
John Goethals

INVENTOR:

T. J. Rice
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

THOMAS J. RICE, OF BETHLEHEM, PENNSYLVANIA.

IMPROVEMENT IN PIPE-COUPPLINGS.

Specification forming part of Letters Patent No. **173,239**, dated February 8, 1876; application filed January 15, 1876.

To all whom it may concern:

Be it known that I, THOMAS J. RICE, of Bethlehem, Northampton county, Pennsylvania, have invented a new and Improved Pipe-Coupling, of which the following is a specification:

My invention consists of a socket-piece on the end of each pipe-section to be connected, with one exterior thread screwing into a sleeve-nut, one into each end of said pieces, and one end of the nut having finer threads than the other, so that, by screwing the nut onto the finely-threaded socket-piece a certain distance, and then screwing it onto the other, the difference in the threads will cause the ends of the coupling-sockets to draw tightly together, and make a tight joint.

The drawing is a sectional elevation of a coupling of my invention.

A and B represent the pipe-sections to be coupled. C and D are the socket-coupling pieces, which are connected to said pipe-sections,

respectively, and E is the sleeve-nut for connecting the couplings by screwing it onto them, by fine threads F on one, and coarse threads G on the other.

The fine threads are a little longer than the others, and the nut is screwed along them a little farther than it is designed to be when the joint is completed, and then it is screwed back on the coarse thread until the two couplings come tightly together by the differential movements of the different threads.

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

The sleeve-nut E, combined with the socket-couplings C D by means of differential threads F G, substantially as specified.

THOMAS J. RICE.

Witnesses:

SAML. BRUNNER,
F. J. RICE.