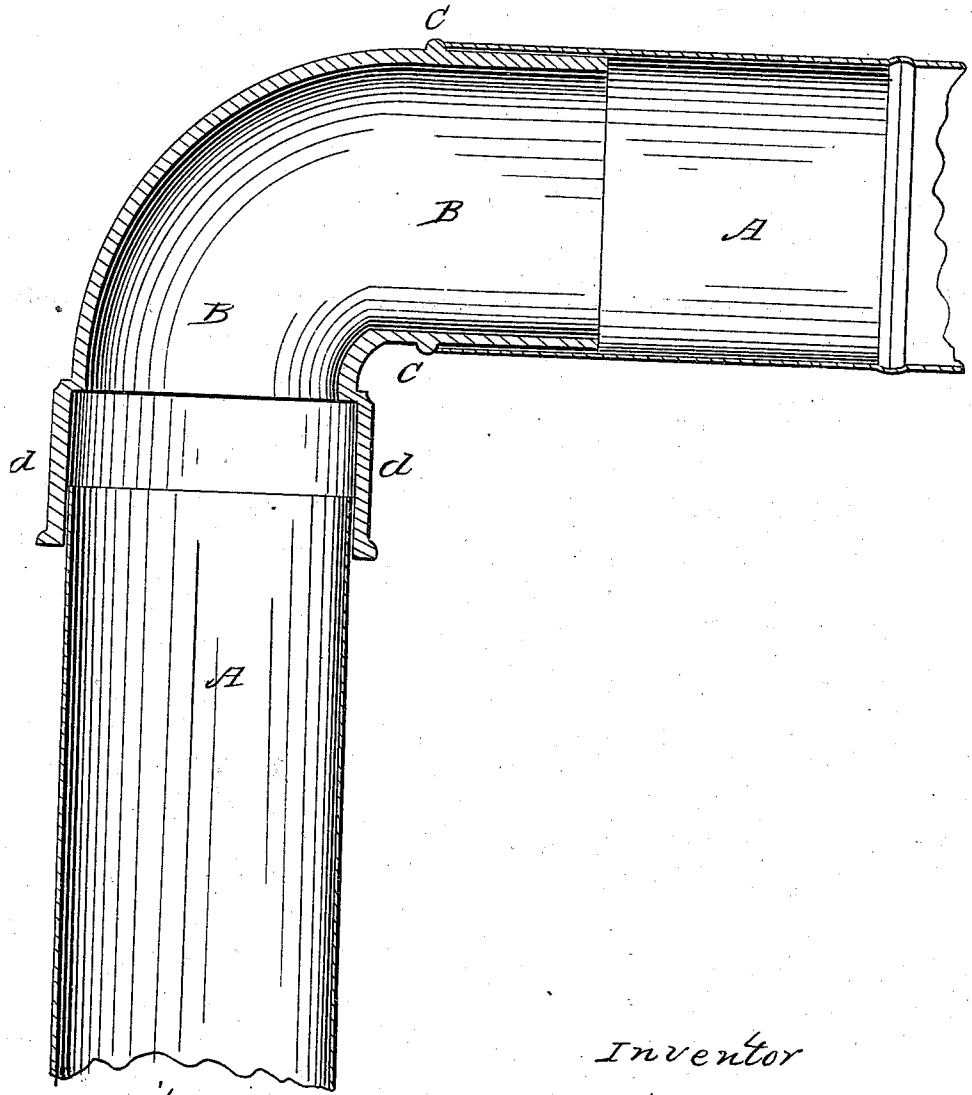
J. F. MURDOCK.

Stove Pipe Elbow.

No. 42,499.

Patented April 26, 1864.



Witnesses:

H. Raynsdell

W. O. Smalley

Inventor

J. F. Murdock

By Jones Brown & Co.

Attorneys.

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

J. F. MURDOCH, OF WAREHAM, MASSACHUSETTS.

IMPROVEMENT IN STOVE-PIPE ELBOWS.

Specification forming part of Letters Patent No. **42,499**, dated April 26, 1864.

To all whom it may concern:

Be it known that I, J. F. MURDOCH, of Wareham, in the State of Massachusetts, have invented a new and useful Improvement in Elbows for Stove-Pipe; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The object of my invention is to construct an elbow for stove-pipes of cast metal, without seams. To accomplish this object I make an elbow as illustrated in the accompanying drawing.

B B is an elbow of a curved shape, made of cast metal, in a single piece, without seams. A A are sections of stove-pipe of the kind commonly in use. The lower end of the elbow is so constructed as to constitute a socket, D, which is half an inch (more or less) larger in diameter than the main part of the elbow. Into this socket fits closely the section of sheet-iron pipe A, forming an inflexible joint. The shoulder E prevents the pipe from entering the socket beyond a given distance. A section of sheet-iron pipe, A, fits outside the upper end of the elbow as far as the flange C.

The advantages possessed by my invention are these: The elbow, being made of cast metal, in a single piece, is very durable, not being liable to wear or come apart, as are sheet-iron elbows with seams. Soot will not corrode it to the same extent as it does sheet-iron elbows. It is simple, cheap, and easily made.

What I claim as new, and desire to secure by Letters Patent, is—

The stove-pipe elbow B B, made of cast-iron, substantially as shown and described, as a new article of manufacture.

J. F. MURDOCH.

Witnesses:

FRANK SPENCE,

HENRY M. THOMAS.