J. DRAPER.

STOVE-PIPE JOINTS.

No. 183,494. Patented Oct. 24, 1876

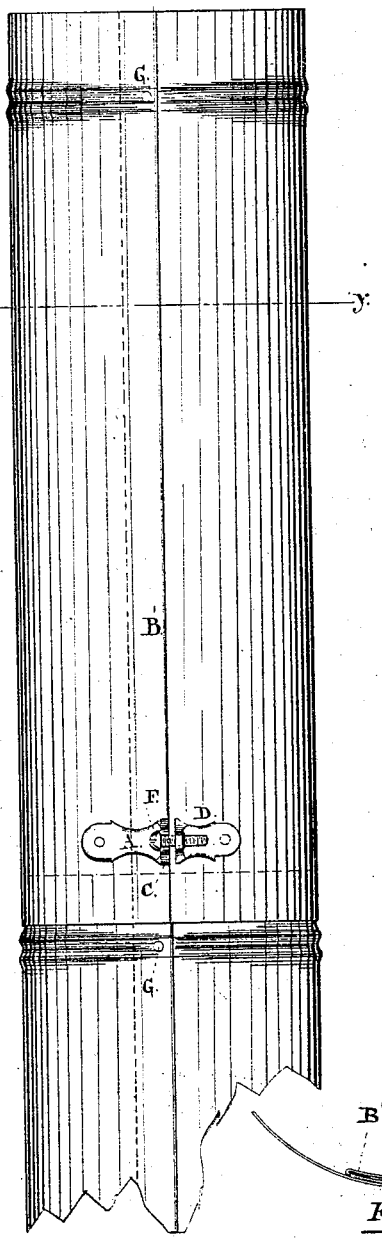

Fig. 1.

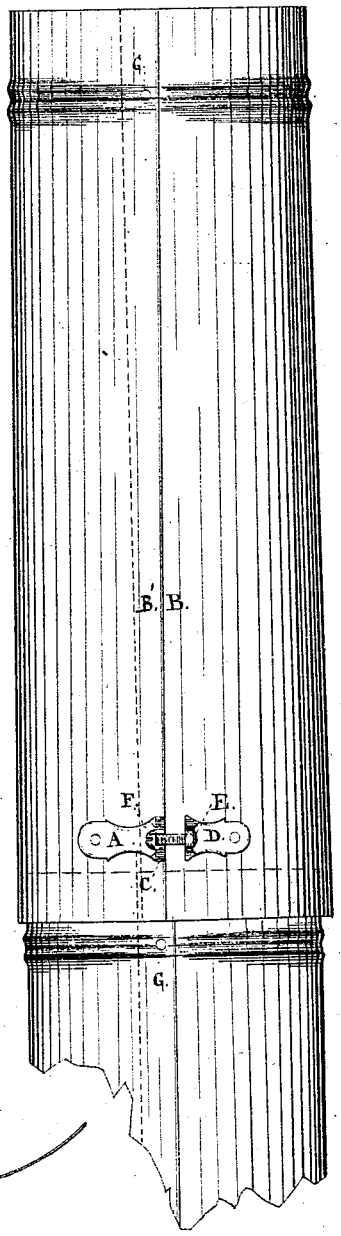

Fig. 2.

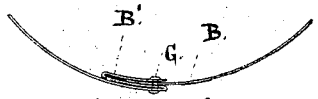

Fig. 3.

WITNESSES.

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UNITED STATES PATENT OFFICE.

JOHN DRAPER, OF WHITBY, ONTARIO, CANADA.

IMPROVEMENT IN STOVE-PIPE JOINTS.

Specification forming part of Letters Patent No. **183,494**, dated October 24, 1876; application filed April 25, 1876.

To all whom it may concern:

Be it known that I, JOHN DRAPER, of the town of Whitby, in the county of Ontario, in the Province of Ontario, Canada, machinist, have invented certain new and useful Improvements in Stove-Pipe Joints; and I do hereby declare that the following is a full, clear, and exact description of the same.

The object of my invention is to make stove-pipe lengths so that they can be put together more readily and securely than is at present possible; and consists in securing the seam of each length at one end by a rivet, as usual, while the edges thereof at the other end are connected by an adjustable joint formed by two lugs, riveted one on each side of the seam, and secured together by a set-screw, as shown, and as will be hereafter described.

Figures I and II are front views; Fig. III, section through *x y*.

The difficulties experienced in putting up stove-pipes are so familar to every householder that any reference thereto is unnecessary for the purpose of this specification, and the manner in which I have overcome the main difficulty therein is so very simple that, with the assistance of the accompanying drawings, very few words will suffice to make it clear and explicit.

A is a lug, riveted to one side of the seam B, and provided with a slotted head, C, as shown. D is a lug, correspondingly fastened on the other side of the seam B, but with a screwed hole, E, in the head thereof. F is a screw, the head of which butts against the head C, while the screwed shank passes through the screwed hole E, as shown. G is a simple rivet, by which the other end of the seam B is secured.

In brief, this seam B is held at one end by the rivet G, while at the other end it is secured by the screw F passing through the lugs A and D, as shown.

By this arrangement one end of the pipe is held rigidly to the same diameter, while the other end, secured by the lugs A and D, is capable of being contracted or expanded, as required.

In putting together lengths of pipe made in accordance with my invention the end held by the rivet G is slipped within the opposite end of the next length—viz., that secured by the lugs A and D. When the joints are made they can be tightened by screwing up the screw F.

In this manner a long stretch of piping can be made almost rigid, and each joint is perfectly tight, not only between each length of pipe, but along the seam also, one edge of the rim of the said seam being bent to an **S**, forming a recess, into which the other end fits, as shown in Fig. III, thereby preventing any leakage of creosote.

What I claim as my invention is—

An adjustable stove-pipe, constructed or formed, as shown, of an **S**-shaped or folded edge, B′, and plain edge B, which enters the recess in the edge B′, united at one end by single rivet G, and at the other end by screw-clamp A D F, as and for the purposes described.

March 18, A. D. 1876.

JOHN DRAPER.

In presence of—
JAMES DRAPER,
ARTHUR G. DRAPER.