

G. BUCHANAN.  
STOVE-PIPE.

No. 185,849.

Patented Jan. 2, 1877.

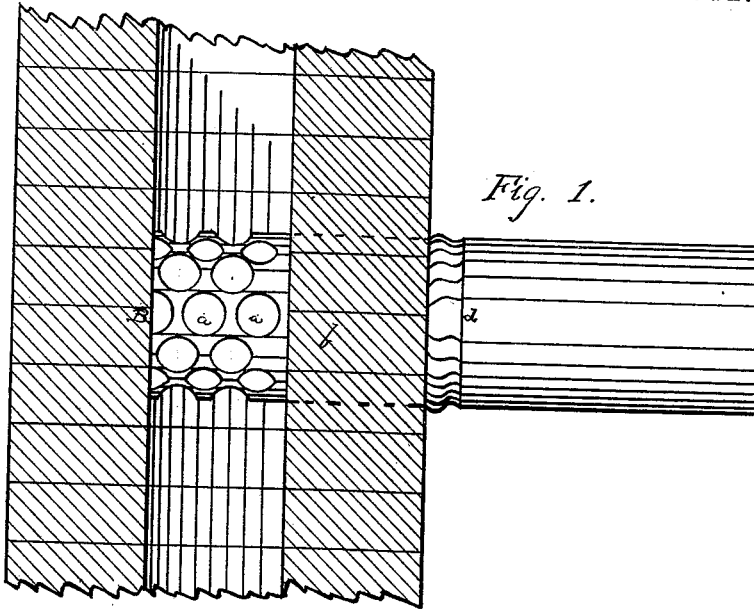


Fig. 1.

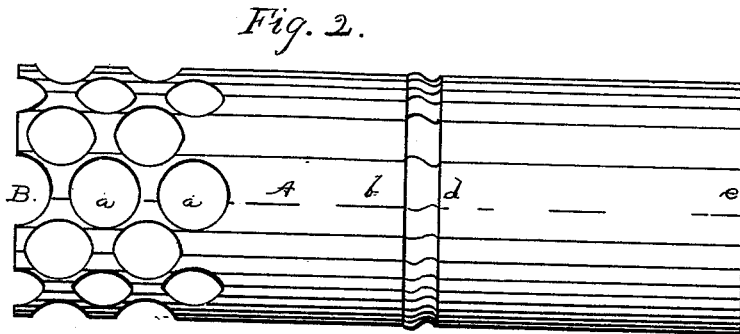


Fig. 2.

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## IMPROVEMENT IN STOVE-PIPES.

Specification forming part of Letters Patent No. **185,849**, dated January 2, 1877; application filed October 24, 1876.

*To all whom it may concern:*

Be it known that I, GEORGE BUCHANAN, of Binghamton, in the county of Broome and State of New York, have invented a new mode of preventing the obstruction of the draft of stoves by the contact of the end of the pipe with the wall of the chimney; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings.

This invention relates to that class of stoves which connect with chimneys having narrow flues; and consists in perforating that section of the pipe that enters the chimney, in such a manner that it may extend against the opposite wall without obstructing the draft of the stove.

The object of the invention is to obviate the liability of the obstruction of the draft, and the consequent escape of gas from the stove into the room, which, with the ordinary connections, often occurs, particularly when the pipe has not been properly fitted, and the difficulty not understood.

Figure 1 in the accompanying drawings represents a joint of pipe embodying my invention in position. Fig. 2 is a view of the same detached.

A is the joint which connects with the chimney, and has perforations *a a* from its bearing *b* in the side of the chimney to the end B,

which is scalloped, so that when in contact with the opposite wall of the flue it adjusts itself more readily to the usual inequalities of that surface. This, with the bearing *b* on the other side, renders additional support to the pipe on the outside. The joint A has a shoulder, *d*, which bears around the hole or thimble, and an extension, *e*, for its connection with the pipe on the outside.

When the joint A is adjusted as hereinbefore described its position remains the same, and the shaking of the coal-grate and other disturbances of the pipe connecting with the stove have no effect upon it.

The perforations in the pipe are made of sufficient size to allow of the required draft of the stove.

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

The pipe A, with the end B extending across the interior, and in contact with the face of the rear wall of the chimney, having holes *a* at different points in the pipe to allow of the required draft, constructed and arranged as herein described, for the purpose set forth.

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Witnesses:

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