

H. M. CLIFFORD.

Stove Pipe.

No. 62,183.

Patented Feb. 19, 1867.

Fig. 1

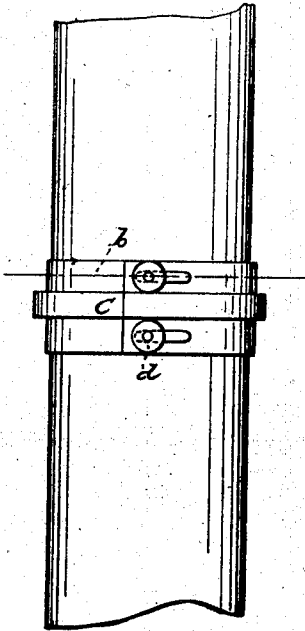


Fig. 2

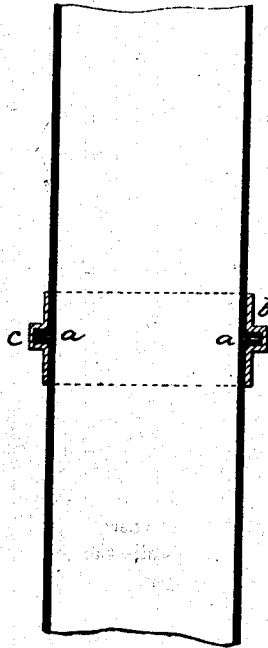
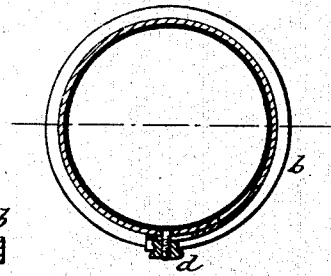


Fig. 3



Witnesses:
Thos Tusch
J A Service.

Inventor:
H. M. Clifford
Per *Wm. H. [unclear]*
Attorney.

United States Patent Office.

H. M. CLIFFORD, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 62,183, dated February 19, 1867.

IMPROVEMENT IN STOVE-PIPE JOINTS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, H. M. CLIFFORD, of Philadelphia, in the county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Stove-Pipe Joint; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

My invention consists in forming the joint, where lengths or pieces of the stove pipe are put together, without lapping them, and in such a manner that, while the joint is equally tight, the facility with which the pipe can be put up and taken down is greatly increased.

Figure 1 represents the joint when complete.

Figure 2 is a longitudinal section of the pipe, showing the joint.

Figure 3 is a cross-section through the joint.

Similar letters of reference indicate corresponding parts.

In forming my joint, I turn a light flange or lip, *a*, on the pipe, as seen in fig. 2. When the pieces of pipe are in place these lips or flanges sit together, as represented, forming a joint. To hold them in this position, I apply a light band, *b*, around the joint, with a recess, *c*, formed in it, which recess encloses the lips on the ends of the two pieces of pipe, as seen in fig. 2. This band is cut across the section in one place, and the ends lap over each other, as seen in fig. 1. One of the ends has small screws attached to it, and the other has slot holes, as seen, through which the screws pass. When the band is in place surrounding the joint, as represented, small nuts, *d*, are applied to the screws. The long slot hole allows the band to be drawn tightly around the joint, and when it is so placed, the nuts are screwed tightly down and hold the ends in place. By removing the nuts the band is readily taken off, and the stove pipe is taken down with the least possible trouble. In putting up long lengths of horizontal pipe this joint is a supporter rendering suspension wires unnecessary for ordinary lengths. This joint is ornamental in appearance, and in every way an important improvement on the old method of putting together stove pipe.

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

The band *b*, constructed and applied substantially as described, for the purposes herein set forth.

I claim the lip or flange *a*, on the end of the pipe, in combination with the band *b*, as and for the purposes specified.

H. M. CLIFFORD.

Witnesses:

JOSEPH BLASCHECK,

C. A. WENDEROTH.