

G. D. UMLAND.
Stove-Pipe Joint.

No. 165,893.

Patented July 20, 1875.

Fig. 1.

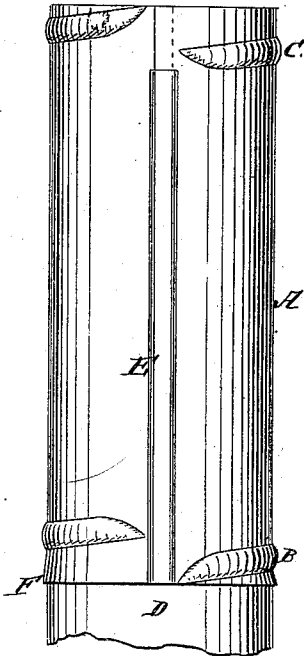


Fig. 2.

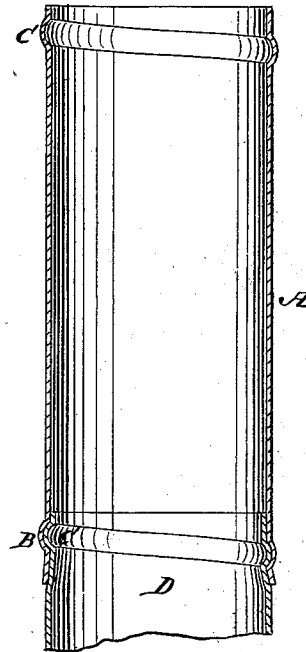
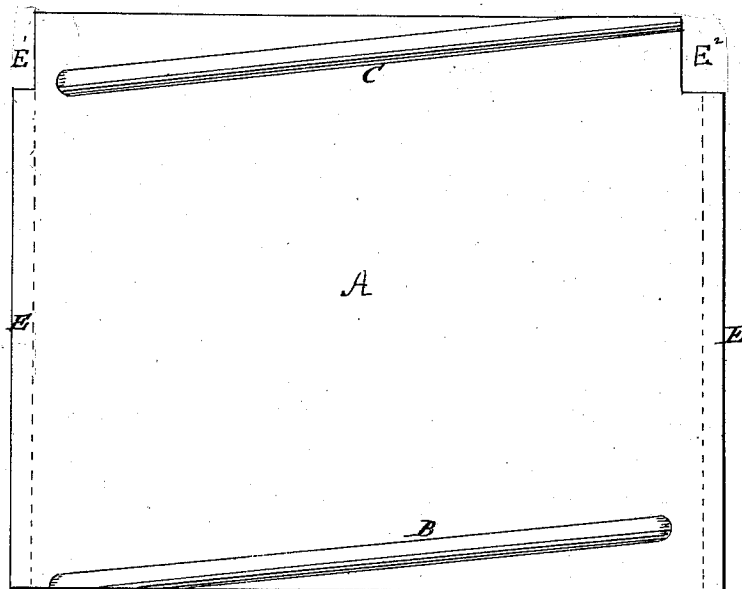


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE D. UMLAND, OF OSCEOLA MILLS, WISCONSIN.

IMPROVEMENT IN STOVE-PIPE JOINTS.

Specification forming part of Letters Patent No. **165,893**, dated July 20, 1875; application filed March 29, 1875.

To all whom it may concern:

Be it known that I, GEORGE D. UMLAND, of Osceola Mills, in the county of Polk and State of Wisconsin, have invented a new and useful Improvement in Self-Supporting Stove-Pipe Joints, of which the following is a specification:

The object of this invention is to render the pipes of stoves and other heating-furnaces less dangerous than they now are, and to make them so that they cannot work or be pulled apart when once put together; and it consists in spiral beads or grooves made to fit each other, so that the two parts may be put together by revolving either one.

Figure 1 is a side view, showing the mode of putting the two joints together. Fig. 2 is a longitudinal section of Fig. 1. Fig. 3 is a view of a joint of pipe, showing more plainly the construction, the joint being shown in the plate before forming it into pipe.

Similar letters of reference indicate corresponding parts.

A represents the pipe. B and C are the corrugations or grooves and beads. In the section, Fig. 3, the groove is on the outer and the bead on the inner joints. The grooves are made on both ends of the joint, and the beads

are made in forming the grooves, the two being identical in form on each end of each joint, the two fitting together similar to gas-pipe by screwing or revolving either length. One thread or circle is sufficient to support the pipe, but there may be more. The interior pipes D are smaller at the ends, so as to readily enter the exterior pipe, as seen in Figs. 1 and 2. The blank A has edge strips E E, that form the lock shown in Fig. 1 of drawing, and the notches E¹ E², shown in Fig. 3, the latter being excisions from the top corners of blank, one of which corresponds in width with the strip E, but the other is made wider, in order that the upper end of pipe-section may be contracted, so as to readily enter the lower end of another section.

I am aware that pipe-sections have been heretofore connected by spiral rib and groove; but

What I claim is—

The blank A for forming a pipe section, having corrugations B C, locking-strips E E, and notches E¹ E², as shown and described.

GEORGE D. UMLAND.

Witnesses:

CARLES MEIERHOFF,
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