

C. HOELLER.
STOVEPIPE ELBOW.

No. 82,407.

Patented Sept. 22, 1868.

Fig. 1.

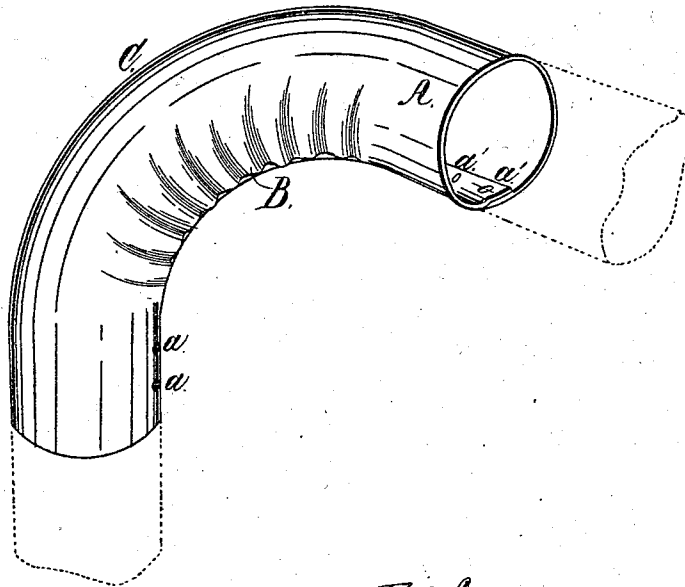
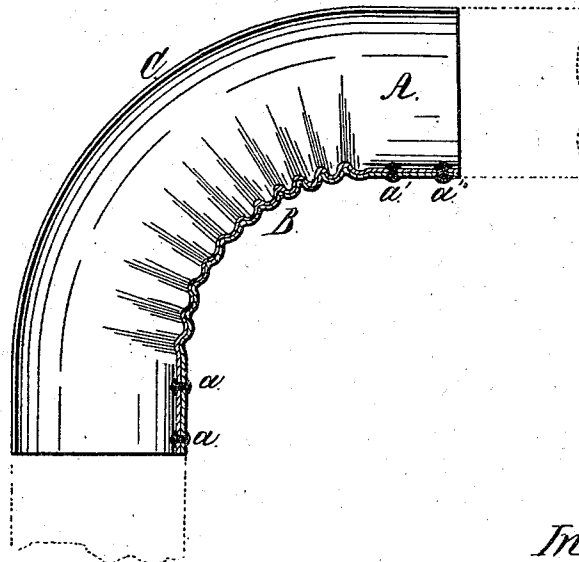


Fig. 2.



Witnesses,

*C. L. Fisher,
Samuel Russell.*

Inventor,

C. Hoeller

United States Patent Office.

C. HOELLER, OF CINCINNATI, OHIO.

Letters Patent No. 82,407, dated September 22, 1868.

IMPROVEMENT IN STOVE-PIPE ELBOW.

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, C. HOELLER, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and useful Improvement in Elbows for Stove-Pipes, of which the following is a full and clear description, reference being had to the accompanying drawings, making part of this specification.

The nature of my invention consists in forming the elbow of one piece of sheet metal, having the interior curved surface corrugated, and the exterior curved surface smooth.

Figure 1 is a perspective view of my improved elbow for stove-pipes.

Figure 2 is a longitudinal section of the same.

A is the elbow, shaped to connect pipes which are at right angles to each other. The interior curved surface, B, is corrugated, while the exterior surface, C, is smooth. The corrugations extend radially from the centre of curvature of the elbow over about one-half of the curved surface of the elbow, gradually decreasing in depth towards the exterior surface, C.

a a' are rivets, of which two or more are used, for securing the "lap" at each end of the elbow. They are secured in place before the elbow is formed. Intermediate rivets may be inserted in the "lap," between extreme rivets *a a'*.

When the elbow is constructed, the inner surface, having a smaller radius of curvature, is buckled or corrugated.

Much time is saved in this construction of elbows, over the mode now employed, by means of crimping together a series of cylindrical sections of sheet metal. In my improved elbow, but one piece of metal is used.

What I claim as new, and desire to secure by Letters Patent, as a new article of manufacture, is—

The elbow for stove-pipes, constructed as herein shown and described.

C. HOELLER.

Witnesses:

A. M. ATEN,

C. L. FISHER.