

W. W. GRAHAM.
STOVEPIPE.

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955,153.

Patented Apr. 19, 1910.

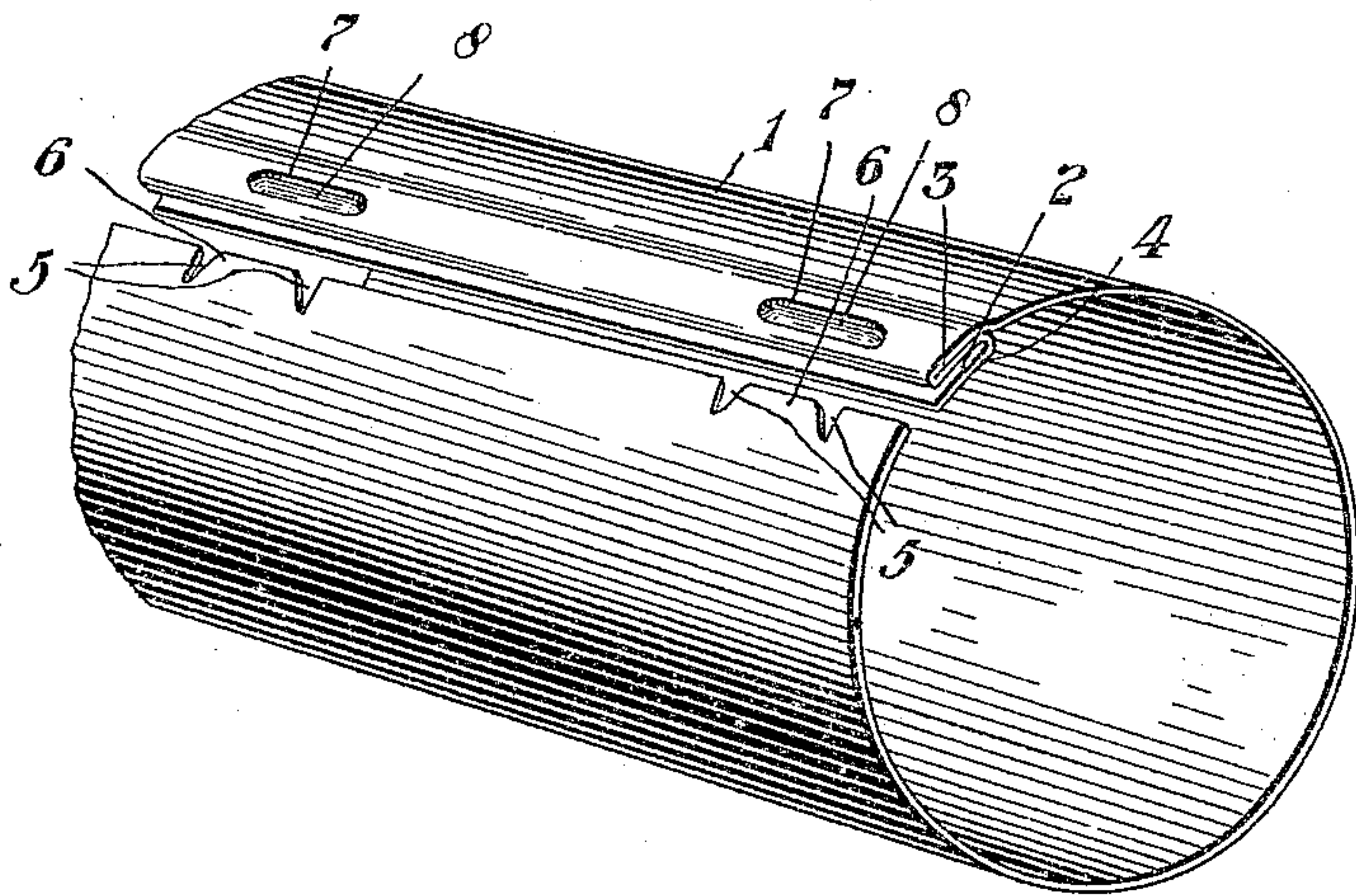


Fig. 1.

Fig. 2.

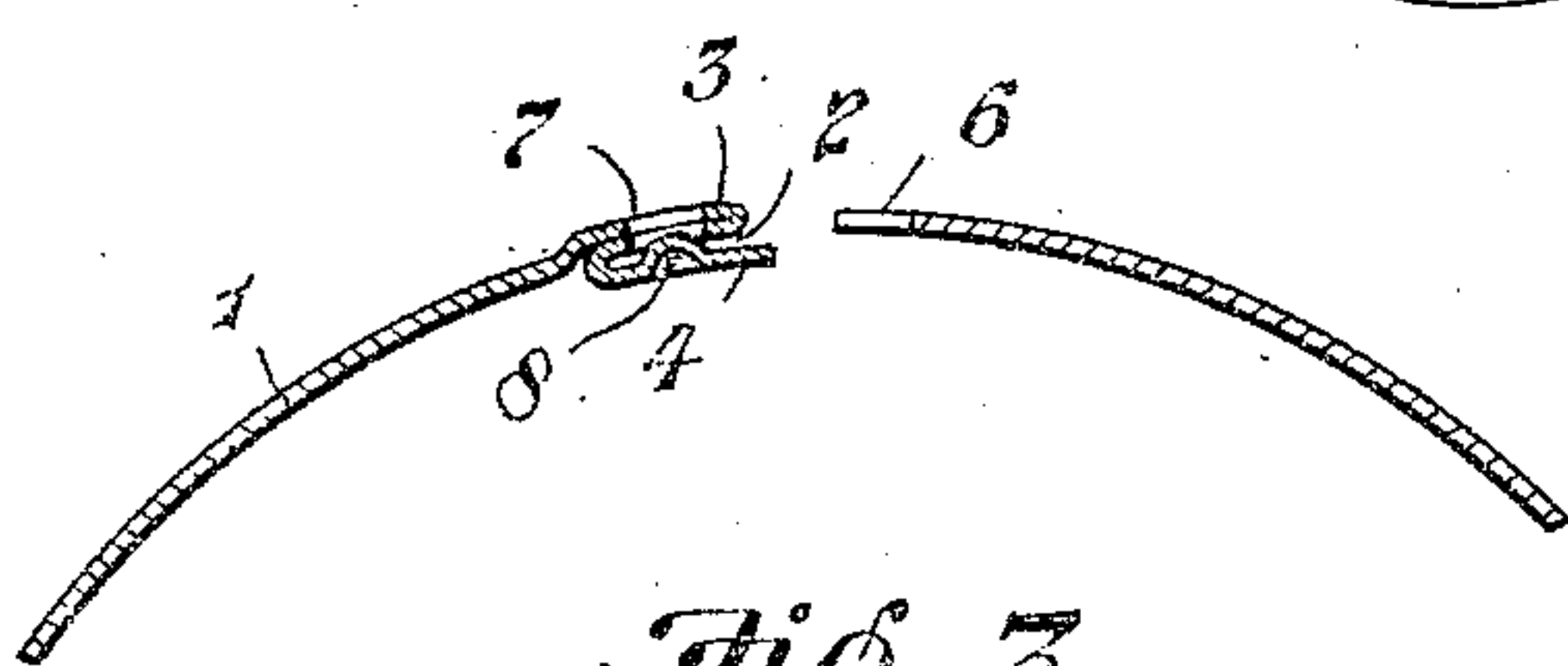
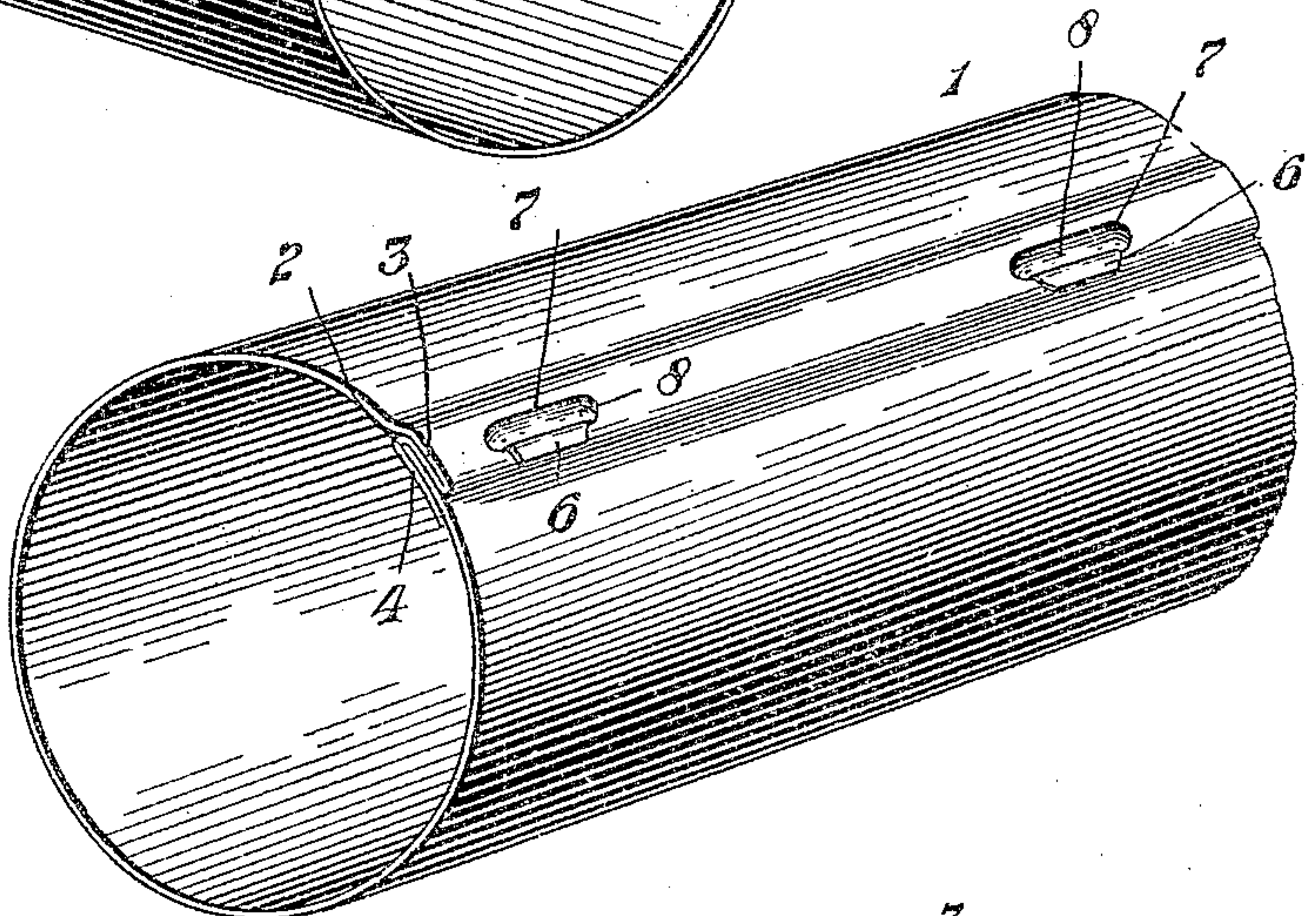


Fig. 3.

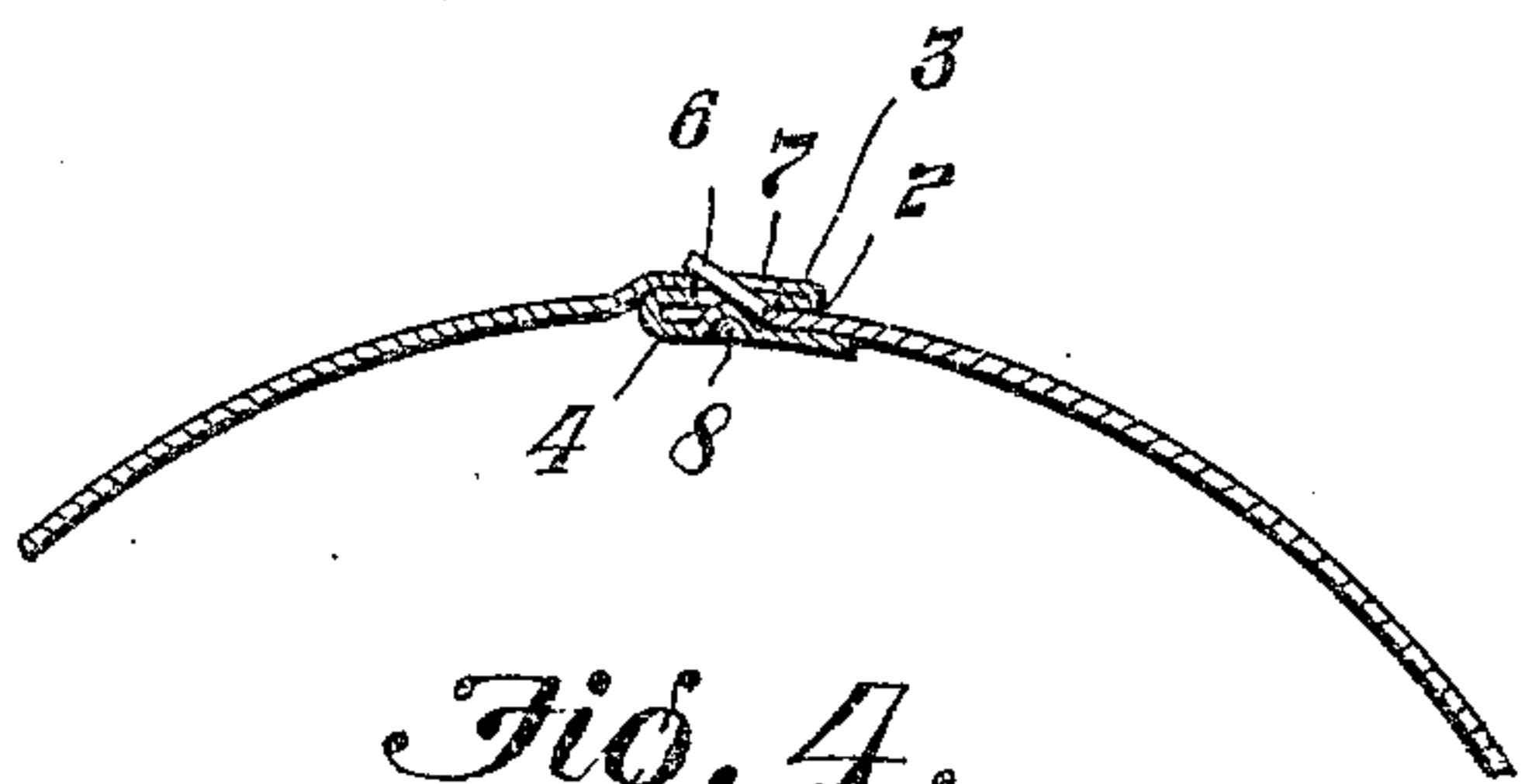
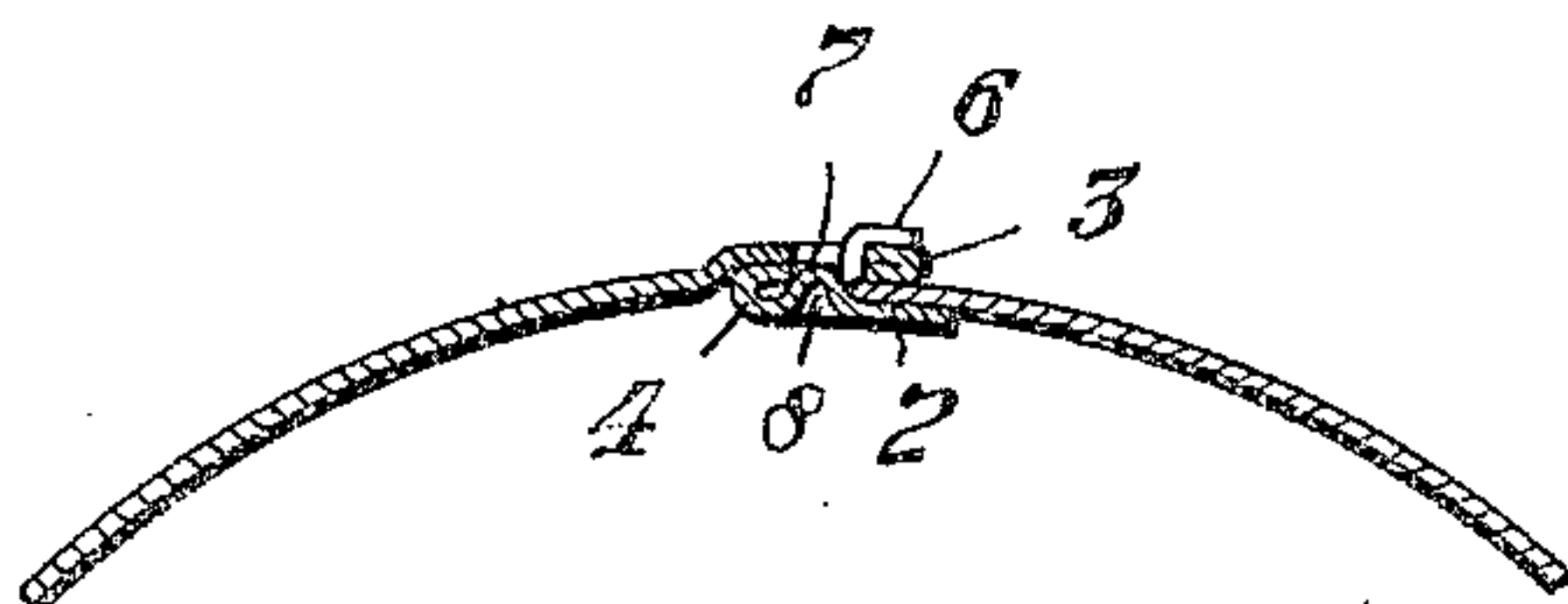


Fig. 4.

Fig. 5.



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Witnesses

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UNITED STATES PATENT OFFICE.

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STOVEPIPE.

955,153.

Specification of Letters Patent.

Patented Apr. 19, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM W. GRAHAM, a citizen of the United States, residing at New Philadelphia, in the county of Tuscarawas and State of Ohio, have invented certain new and useful Improvements in Stovepipes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, and to the numerals of reference marked thereon, in which—

Figure 1 is a perspective view, showing the seam of the pipe open. Fig. 2 is a similar view, showing the seam closed. Fig. 3 is a transverse section of a portion of a pipe section showing the longitudinal seam edges separated. Fig. 4 is a similar view showing the seam edges brought together and the position of the different parts before the seam is locked. Fig. 5 is a similar view showing the position of parts when the seam is locked.

The present invention has relation to stove pipes and it consists in the novel construction hereinafter described and particularly pointed out in the claims.

Similar numerals of reference indicate corresponding parts in all the figures of the drawing.

In the accompanying drawing, 1 represents a section of stove pipe of the usual size and length. One of the longitudinal seam edges is provided with the groove 2, which groove is formed by the folds 3 and 4, said folds being spaced from each other as illustrated in the drawing. The opposite longitudinal edge is plain, but is provided with the notches 5, which notches are located in pairs near the ends of the stove pipe sections, the notches forming the pairs being spaced so as to provide what might be termed a lip or tongue 6. The slots 7 are formed by cutting the metal from the body 1 and the fold 3, said slots being located in the body and fold so that they will register with each other, thereby providing an open slot in the body and the fold 3. The fold 4 which is the one constituting one wall of the open groove 2 is provided with the short

ribs 8, which ribs are bent or pressed from the metal, so that they will enter the lower portion of the slots 7 as best illustrated in Fig. 3. The ribs 8 are for the double purpose, first, bending or springing the tongue 6 upward or through the slot 7 as best illustrated in Fig. 4 when the raw edge of the pipe section is seated or entered in the open groove 2, and second, the ribs 8 will abut against the tongues 6 or more specifically the backs of said tongues when they are brought into the position illustrated in Fig. 5.

It will be understood that as the tongues 6 are bent over and upon the outer surface of the pipe section the parallel edges of the pipe section will be drawn toward each other, thereby snugly seating the raw edge of the pipe section in the groove 2 and at the same time bring the ribs 8 into contact with the walls of the slots opposite the walls of the slots over which the tongues are bent, thereby producing a rigid seam.

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

1. As an improved article of manufacture, a stove pipe section having longitudinal seam edges, one of the seam edges provided with folds and the other with tongues, said folds adapted to form an open groove, the body of the section and the adjacent folded portion provided with alined slots and the other folded portion provided with ribs, said ribs adapted to enter the slots and the tongues adapted to enter the slots and the ribs adapted to force the tongues outwardly through the slots when the seam edges are forced together, substantially as and for the purpose specified.

2. As an improved article of manufacture, a stove pipe section having seam edges, one of said seam edges provided with folds forming an open longitudinal groove, and alined slots formed in the body of the pipe section and the adjacent folded portion, ribs formed upon the other of the folded portions bounding the longitudinal groove, said ribs adapted to enter the slots, the opposite seam edge of the pipe section provided with

tongues, said tongues adapted to enter the
slots and the ribs adapted to bend the
tongues outward when entered in the slots
and the tongues adapted to be folded and
5 when folded adapted to abut against the
ribs, substantially as and for the purpose
specified.

In testimony that I claim the above, I
have hereunto subscribed my name in the
presence of two witnesses.

WILLIAM W. GRAHAM.

Witnesses:

JOHN S. GRAHAM,

HOMER I. N. STAFFORD.