

T. J. & F. Diedrich

Fastening for Sheet Metal.

N^o 86,911.

Patented Feb. 16, 1869.

Fig. 1.

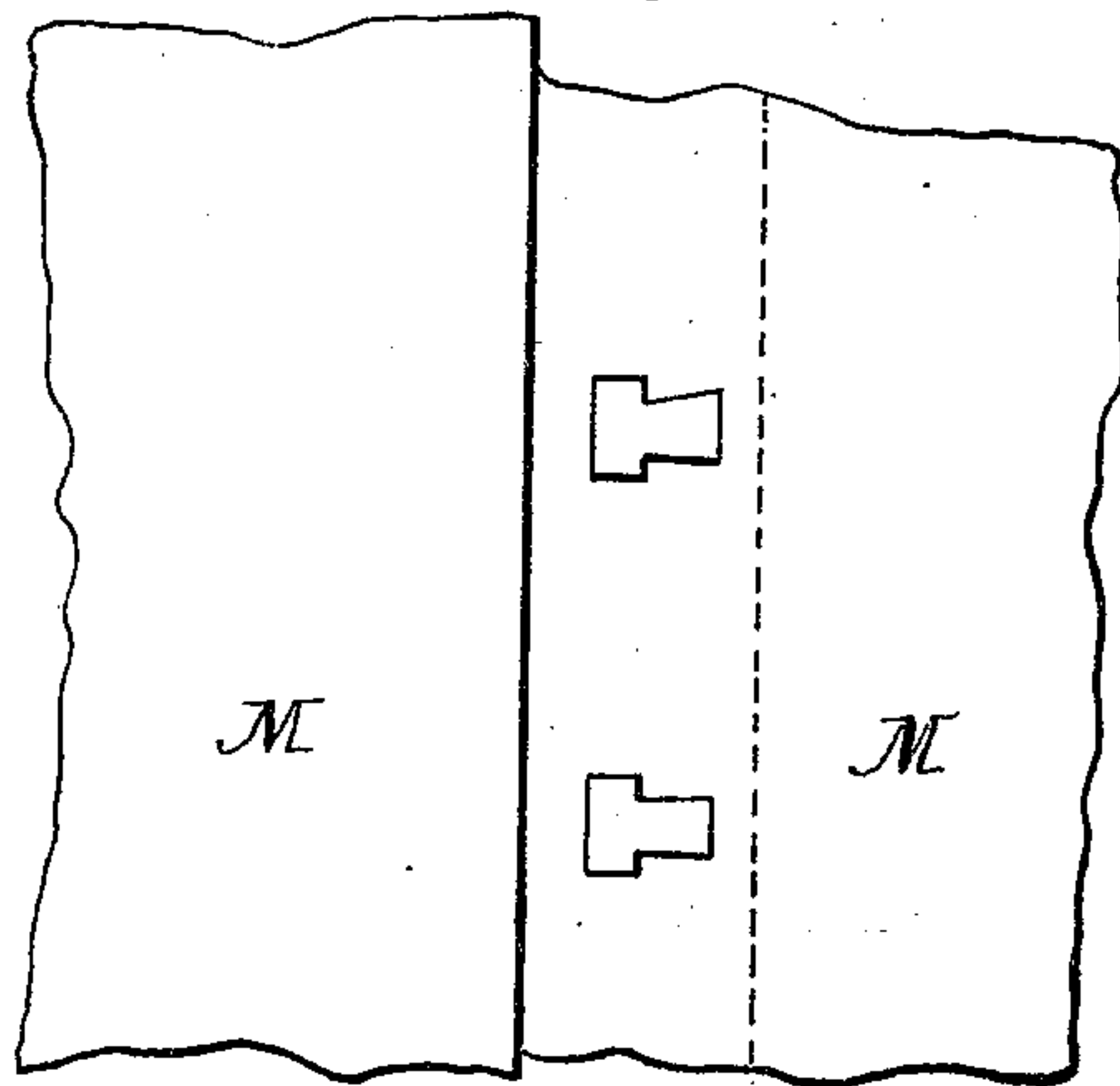
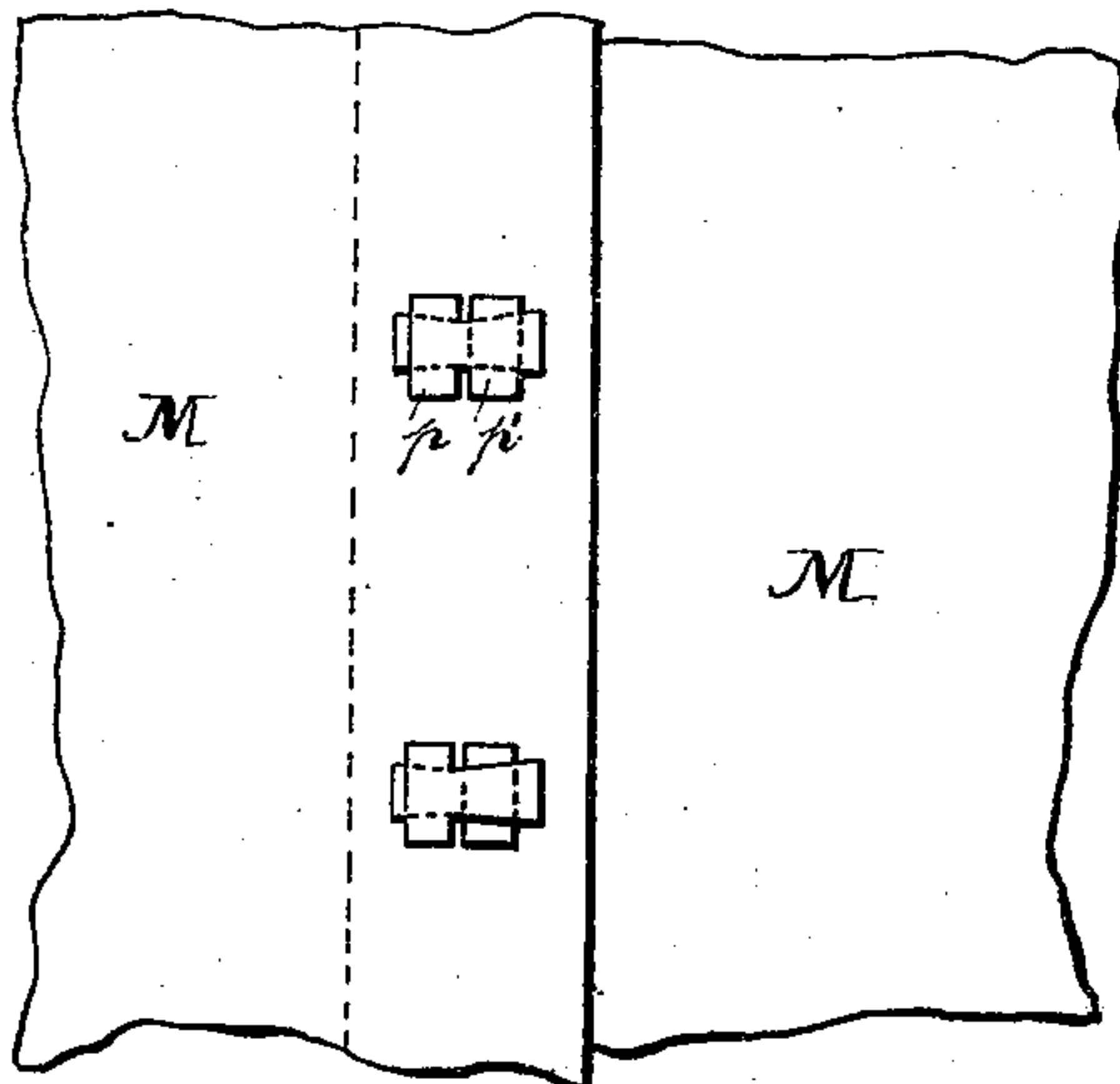


Fig. 2.



Witnesses;
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THEODORE J. DIEDRICH AND FRANKLIN DIEDRICHS, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 86,911, dated February 16, 1869.

IMPROVEMENT IN FASTENINGS FOR SHEET-METAL.

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

To all whom it may concern:

Be it known that we, THEODORE J. DIEDRICH and FRANKLIN DIEDRICHS, of the city of Philadelphia, in the county of Philadelphia, and State of Pennsylvania, have invented a new and improved Mode of Securing the Edges of Metal; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a view showing two edges of metal overlapped, and corresponding T-shaped tongues punched through.

Figure 2 is an edge view of same.

Figure 3 is a view showing the tongues interlocked previous to being pressed together.

The nature of our invention consists in cutting or stamping, near the edges of the metal, in one operation and in one direction, a series of T-shaped tongues, so that they will interlock and the upper part of the tongue spring under the shoulder of the corresponding tongue, and thus cause the edges of the metal to hold tighter when its edges are pressed in opposite directions, or, in other words, the greater the strain, the firmer the edges of the metal are held together.

To enable those skilled in the art to make and use our invention, we will now proceed to describe its construction and operation.

M M are pieces of sheet-metal, which overlap each other about three-fourths of an inch, more or less. Within this space, and through both pieces of metal, is cut or stamped a series of T-shaped tongues, P and P', which are pressed through, in the manner shown in fig. 2.

The under tongue P acts as a spring, and as soon as the edges of the metal are pulled in opposite directions, the tongue P' slips up, and the top part fits and catches under the shoulder of tongue P, thus interlocking them. Pressure is now brought upon the tongues, which drives P through the opening formed by the cutting out of P', and at the same time causes it, owing to passing over the head of P', to press it, P', down in the centre and turn up its edges, thus riveting the edges of the metal firmly together.

Having thus described our invention,

What we claim, and desire to secure by Letters Patent, is—

Securing the edges of metal together by means of the tongues P and P', cut and interlocked substantially in the manner herein described.

THEODORE J. DIEDRICH.
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Witnesses:

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