

J. Finn,

Making Sheet-Metal Vessels.

N<sup>o</sup> 77,726.

Patented May 12, 1868.

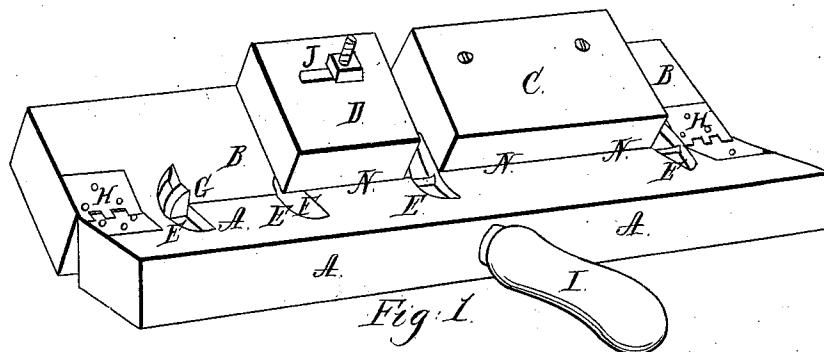


Fig. 1.

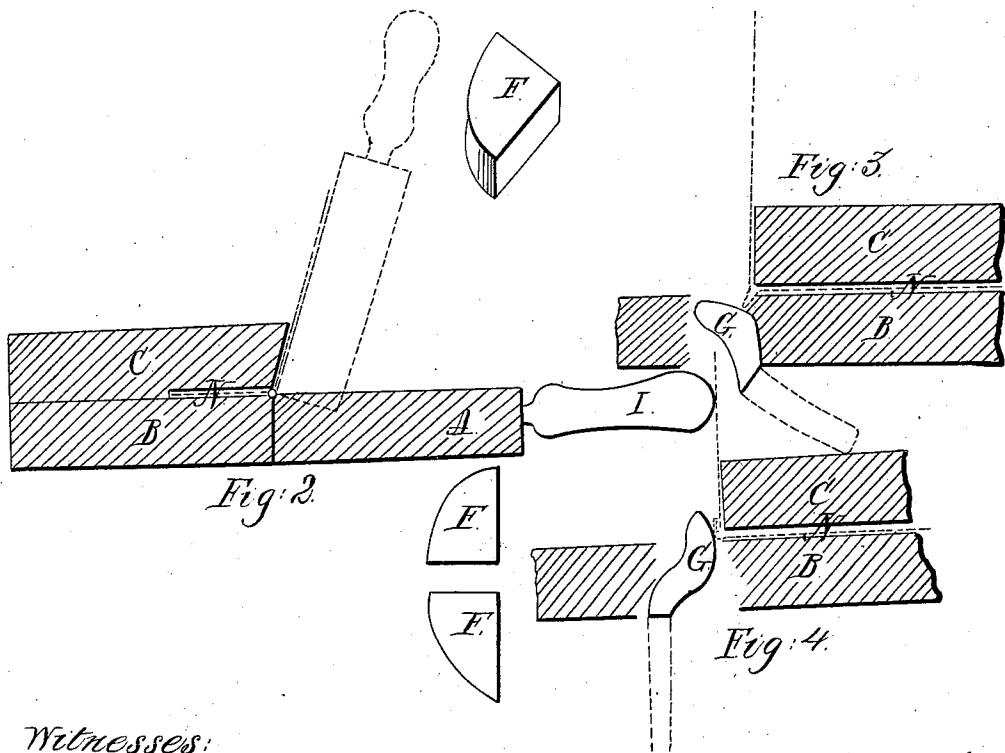


Fig. 2.

Fig. 3.

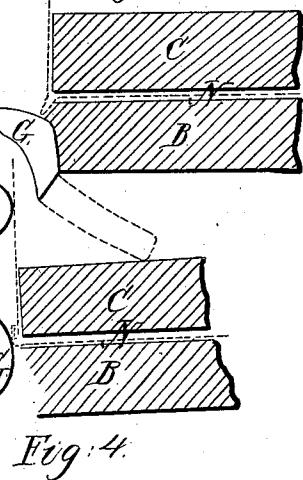


Fig. 4.

Witnesses:  
Cyrus M. Ray  
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# United States Patent Office.

JOHN FINN, OF DECORAH, IOWA.

*Letters Patent No. 77,726, dated May 12, 1868; antedated April 24, 1868.*

## IMPROVEMENT IN PAN-FORMER.

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, JOHN FINN, of Decorah, in the county of Winneshiek, and State of Iowa, have invented a new and useful Machine for Forming Square Pans; and I 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 annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2, transverse section.

Figures 3 and 4 are detached parts.

The nature of this invention consists of a new and improved machine for forming square pans of tin, or other metal, by which the work is perforated with greater celerity, and better than by the old system.

My machine is composed of two parallelogrammic pieces of wood or metal, A B, fig. 1, connected together by hinges, H. To the top of the piece B, another piece, C, is fastened. A kerf, N, or recess, is cut between these two pieces, wide enough to admit the tin or metal composing the pan, and of necessary depth for the sides. By inserting the edge of the tin into the last-described recess to the proper depth, and raising the handle I, one side of the pan is formed, as shown by the red line in fig. 2. In this way, two opposite sides of the pan may be formed, but in forming the other sides the corners of the pan would be in the way. To obviate this difficulty, recesses are cut, E, close to the ends of blocks C and D. Into these recesses the corners extend during the formation of the pan.

The next operation is to close the corners up against the side of pan. This is done by means of lever G working in the recess, and pressing the corner of the pan home to its place.

The size of the pan may be varied by filling up the recesses E with blocks, F, of proper form and size, and fastening on top of B, extension-block D, to extend to the next pair of recesses, thus lengthening the machine. This block may be moved back and forth by means of the bolt and slot J, thus affording a quick and easy method of changing from the side to the ends of oblong pans.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The recesses E and blocks F, as herein specified.
2. Extension-block D and bolt and slot J, substantially as described.
3. Lever or cam G, for the purpose set forth.

JOHN FINN.

Witnesses:

CYRUS MCKAY,

HENRY KELLEY.