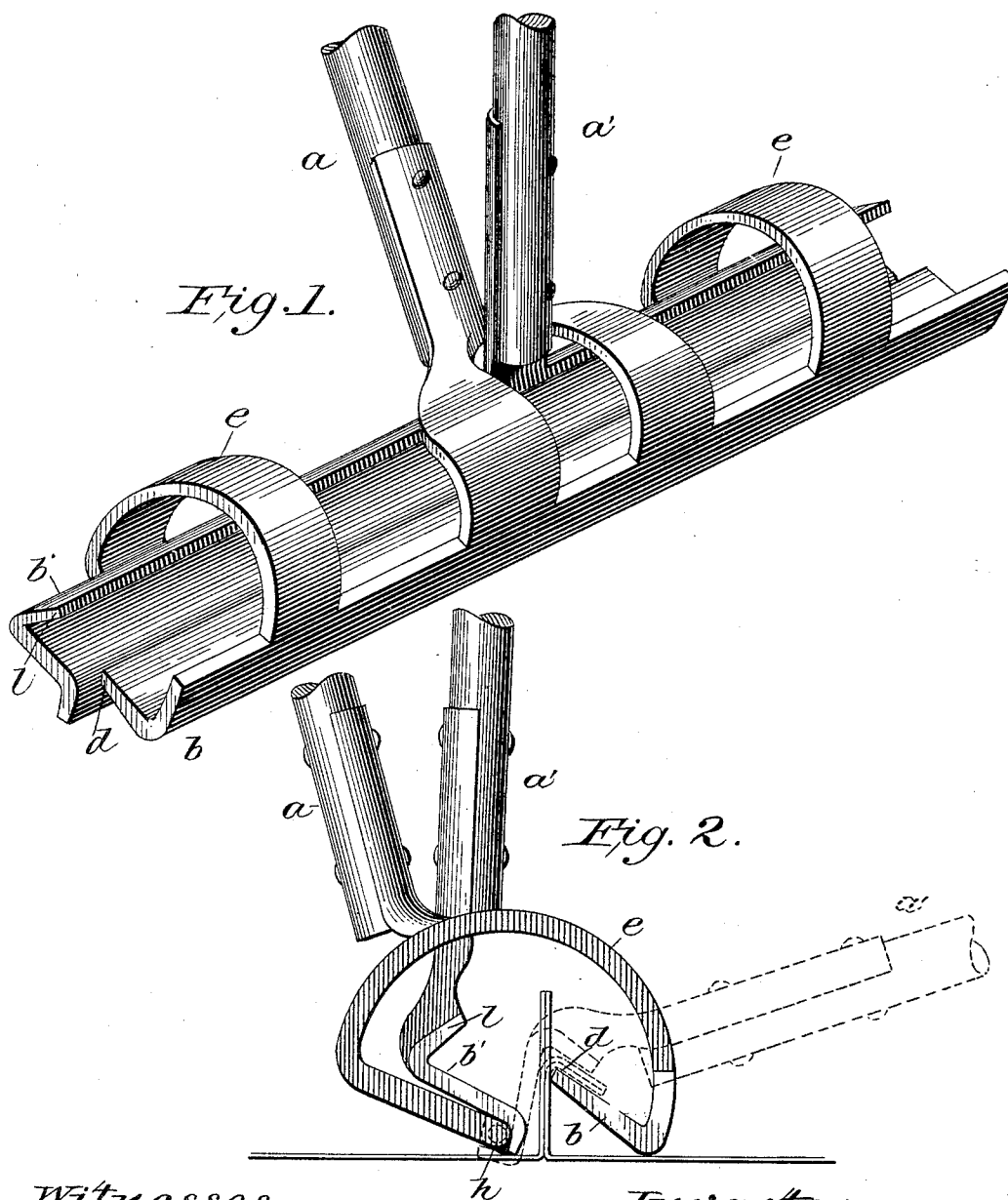


(No Model.)

W. L. & H. HEBERLING.
ROOFER'S BENDING TOOL.

No. 468,016.

Patented Feb. 2, 1892.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM L. HEBERLING AND HENRY HEBERLING, OF HAVANA, ILLINOIS.

ROOFER'S BENDING-TOOL.

SPECIFICATION forming part of Letters Patent No. 468,016, dated February 2, 1892.

Application filed June 27, 1890. Serial No. 357,011. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM L. HEBERLING and HENRY HEBERLING, citizens of the United States, residing at Havana, in the county of Mason and State of Illinois, have invented certain new and useful Improvements in Roofers' Bending-Tools; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a superior tool for making the first bend necessary in locking standing seams in metal roofing and for similar work.

Our device as herein shown consists of two peculiar jaws pivoted together and having separate handles, which move from each other in turning a lock.

The details of the construction and operation of this tool will be better understood by reference to the accompanying drawings.

Figure 1 shows our tool in perspective with the handles *a* and *a'* brought together and jaws *b* and *b'* apart ready for use. Fig. 2 shows cross-sections through the tool in different positions while in operation.

The handle *a'* is rigidly attached to the jaw *b'*, the lower part of which *h* is supported and pivoted at the back by extensions *e* from the jaw *b*, as shown in Fig. 2. These extensions and the bar *b* are in rigid relation with each other and with the handle *a*, so that when the tool is placed astride a flange, as in Fig. 2, and the handle *a* is brought out the edge *d* of the bar *b* and the pivoted base *h* of the bar *b'* are brought against the flange on opposite sides in proper position to support it. When these supporting parts are in this position, an outward movement of the handle *a'*, which is attached to the folding-bar *b'*, causes the top *l* of the bar *b'* to turn the top of the

flange over the rigid edge *d* of the supporting-bar *b*, as shown by dotted lines in Fig. 2, thus completing the work of the tool.

The advantages of this tool consist in the simplicity of its construction and the great ease and rapidity with which it is operated.

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

1. In a roofer's bending-tool, a folding-bar *b'*, combined with an opposite bar *b*, provided with an edge *d*, and rigid arched extensions which partially encircle the former bar and pivotally support it at their ends.

2. In a roofer's bending-tool, a bar *b*, having an edge *d* and lateral extensions from its back arched over said edge, in combination with an opposite bar *b'*, partially encircled by said extensions and pivotally supported by them at their ends and having a face *l* parallel with the edge *d* and lying between the handle or mechanism by which it is operated and the line of its pivotal support.

3. In a roofer's bending-tool, two parallel supporting-surfaces *h* and *d*, held in fixed distance from each other by arched connections near their ends, in combination with a parallel folder *l*, supported within the arc of said connections on pivots rigidly connected with the edge *d*, over which the folder moves closely in doing its work.

4. In a roofer's bending-tool, the bar *b*, provided with a handle *a*, an edge *d*, and arched extensions *e* and *e'*, in combination with the bar *b'*, pivoted to the ends of said extensions and having the base *h* curved about the pivotal point, the angular top *l*, and handle *a'*, all as shown and described.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM L. HEBERLING.
HENRY HEBERLING.

Witnesses:

FRANK HAVIGHORST,
A. C. DUDY.