UNITED STATES PATENT OFFICE.

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METAL NURLING AND ORNAMENTING TOOL.

1,151,829.

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To all whom it may concern:

Be it known that I, GEORGE J. SCHLICHER, a citizen of the United States, residing at Ilion, in the county of Herkimer and State of New York, have invented a new and useful Metal Nurling and Ornamenting Tool, and I 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.

This invention relates to an improved metal ornamenting and nurling tool, and an object of the invention is to provide a forked tool head in which the metal ornamenting tools are carried, being pivoted to a handle, there being a suitable screw device carried by the handle to hold the head in adjusted position, so that two nurling wheel tools may be used for nurling a piece of metal, and when it is desired to apply some suitable flower or other ornamentation the fork head is adjusted so that only one ornamenting wheel tool is utilized.

In practical fields the details of construction may necessitate alterations, falling within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings:—Figure 1 is a view in perspective of the improved metal ornamenting or nurling tool constructed in accordance with the invention. Fig. 2 is a view in elevation showing the forked head adjusted in another position to that shown in Fig. 1. Fig. 3 is a sectional view. Fig. 4 is a sectional view on line 4—4 of Fig. 3. Fig. 5 illustrates collective views of different forms of ornamenting or nurling tools. Fig. 6 is a detail view of a portion of the handle 1, showing the construction of the adjacent faces of the forks 8.

Referring more especially to the drawings, 1 designates a handle member, provided with a groove 2 upon each face thereof, whereby a firm grip may be obtained, there being a beveled end 3 of the handle to be engaged by the thumb of the operator.

The end portion 4 of the handle member is provided with a reduced annular disk shaped part 5 and the adjoining recesses 6 and 7. The reduced annular disk part is received between the forks 8 of the bifurcated part 9 of the forked tool head 10. Passing through the forks 8 and through the annular disk-shaped part 5 is a bolt 11 having a nut 12, thereby pivotally connecting the tool head 10 to the handle. The handle member 1 is provided with shoulders 13 to be engaged by the shoulders 14 of the tool head, so as to limit the same in its extreme movements. One of the forks 8 is provided adjacent its inner portion with three different flat faces, 14a, 15 and 16, with any one of which the shank 17 of the thumb screw 18 engages, so as to hold the forked head in any one of three different positions, so that when corresponding figured nurling tools are carried by both forks of the head, the shank of the thumb screw engages the middle or central flat portion or part 15. When it is desired to use a wheel tool having only one form of metal ornamentation, the shank of the thumb screw will engage the flat portion 14, so as to hold the forked head at an angle to the handle. When it is desired to use an ornamenting wheel tool having another form of design in the other fork of the head, then the shank of the thumb screw will engage the flat portion 16. The forks 19 of the head are bifurcated, and designed to be journaled in said bifurcations upon the screw pins 20 (which pass through the bifurcated ends of the forks of the head and are threaded at 21) are any two of the metal ornamenting or nurling wheel tool 25 shown in Fig. 5. To make or form criss-cross nurling ornamentation two wheel tools are employed having their peripheries provided with oppositely extending angularly disposed cuts.

The invention having been set forth, what is claimed as new and useful is:—

In combination, a forked tool head being bifurcated at the single end of the head, the forks of the head being bifurcated, metal ornamenting wheel tools journaled in the bifurcations of said forks, a handle, to one end of which the single bifurcated end of the head is adjustably pivotally connected, the head and the handle having cooperating shoulders to limit the head in its extreme movement from one direction to an
opposite direction, the single bifurcated end of the head being provided with a plurality of flat faces, and a transverse thumb screw carried by the handle to engage any one of the flat surfaces to hold the head in different positions.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE J. SCHLIKER.

Witnesses:
Josiah Perry,
John O. Perry.