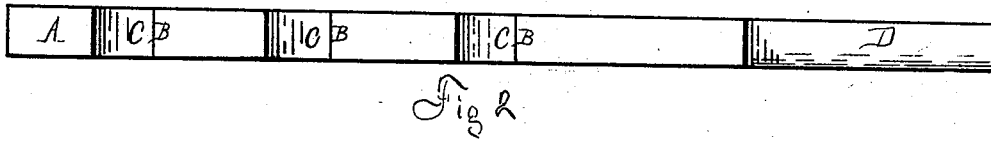
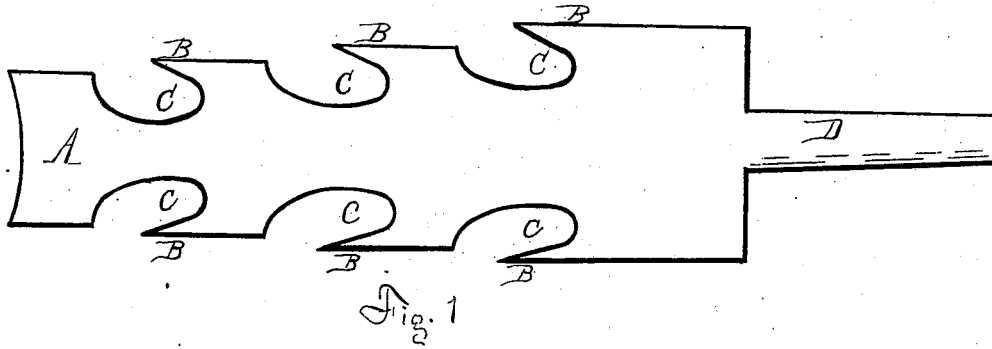


G. W. MAHER.  
Cutting-Tool.

No. 206,338.

Patented July 23, 1878.



Attest  
Charles J. Hunt  
E. P. Sprague

Inventor  
G. W. Maher  
By Atty  
E. P. Sprague

# UNITED STATES PATENT OFFICE.

GEORGE W. MAHER, OF ALBION, MICHIGAN.

## IMPROVEMENT IN CUTTING-TOOLS.

Specification forming part of Letters Patent No. **206,338**, dated July 23, 1878; application filed February 27, 1878.

*To all whom it may concern:*

Be it known that I, GEORGE W. MAHER, of Albion, in the county of Calhoun and State of Michigan, have invented an Improvement in a Combined Core-Driver and Dovetail-Cutter, of which the following is a specification:

The nature of my invention relates to a new and useful tool for driving chips from a mortise, and at the same time for cutting the seats for the wedges which secure the tenon within said mortise.

In cutting mortises the sides thereof are parallel, and the mortises are left full of the chips cut by the chisel. In door-stiles the mortises are cut to fit the tenons of rails, and to secure these latter in place wedges are employed upon each side or edge of the tenon.

The object of my invention is, therefore, to combine in one tool the necessary device to force the chips out of the mortise, and at the same time to cut in each end of the mortise the necessary wedge-seat or room.

Figure 1 is an elevation of my improved tool. Fig. 2 is an edge elevation of the same.

In the drawing, A represents the core-driver, and B a series of cutting-chisels, the upper overhanging the lower, and provided with recesses C below and in rear of each chisel, to receive the chips cut by the chisel immediately above it and hold them until they are withdrawn from the mortise by the withdrawal of the tool. D is a shank, by means of which the tool is secured in place of the mortising-chisel when the latter is removed.

In the construction of this tool one or both edges may be provided with one or more of these chisels or cutters B, as may be desired.

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

The flat cutting-tool described, consisting of the core-driver A and the wedge-seat cutters B, regularly increasing in size, and provided with curved recesses C, substantially as and for the purpose set forth.

GEORGE W. MAHER.

Witnesses:

H. S. SPRAGUE,  
CHAS. J. HUNT.