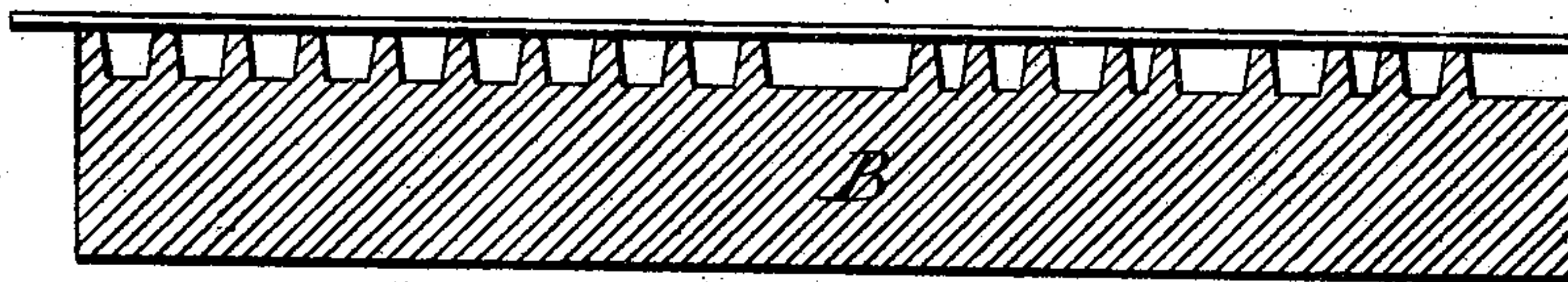


H. WOOD.  
Art of Marking Sheet-Metal Plates.  
No. 199,135. Patented Jan. 8, 1878.

*Fig. 1.*



*Fig. 2.*



Witnesses  
Henry Howson &  
Harry Smith

Inventor  
Howard Wood  
by his Attorneys  
Howson and son.

# UNITED STATES PATENT OFFICE.

HOWARD WOOD, OF CONSHOHOCKEN, ASSIGNOR TO ALAN WOOD & CO.,  
OF PHILADELPHIA AND CONSHOHOCKEN, PENNSYLVANIA.

## IMPROVEMENT IN THE ART OF MARKING SHEET-METAL PLATES.

Specification forming part of Letters Patent No. **199,135**, dated January 8, 1878; application filed  
October 22, 1877.

*To all whom it may concern:*

Be it known that I, HOWARD WOOD, of Conshohocken, Montgomery county, Pennsylvania, have invented a new and useful Improvement in the Art of Marking Sheet-Metal Plates, of which the following is a specification:

The object of my invention is to rapidly and effectually form letters or other characters on plates of sheet metal, an object which I attain in the following manner, reference being had to the accompanying drawings, in which—

Figure 1 is a view of a plate of sheet metal marked according to my invention; and Fig. 2, a sectional view illustrating the manner in which my invention is carried into effect.

I have discovered that if a hot plate of sheet metal be allowed to cool in contact with a cold body of metal, having upon its surface letters or other characters sunken or in relief the parts of the plate which are in direct contact with the raised portions of the body of metal will cool more rapidly, and acquire a deeper shade of color than the remainder of the plate, so that when the plate is cold the letters or other characters will be permanently marked upon its surface.

In practically carrying out my invention, I prefer to treat the plates of sheet metal after they come from the annealing-furnace, and to form the letters or other characters on or in the straightening-bed B, on which the plates are usually laid, as shown in Fig. 2, the straightening and marking operations being thereby conducted simultaneously.

I claim as my invention—

1. The mode herein described of forming letters or other characters on sheet-metal plates—that is to say, by allowing the hot plates to cool in contact with a metal surface, having the letters or other characters sunken in or formed in relief upon it, as set forth.

2. The combination of a plate for straightening sheet-iron with letters or other characters, sunken or in relief, as set forth, for the purpose specified.

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

HOWARD WOOD.

Witnesses:

ALFRED CRAFT,  
SAML. WYLIE.