

D. M. Perry,
Cutter Head.
N^o 84,964. Patented Dec. 15, 1868.

Fig. 1.

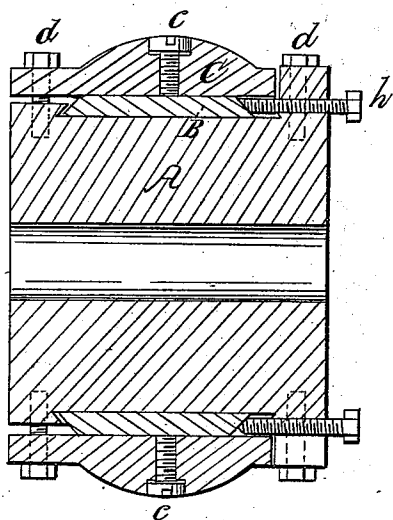
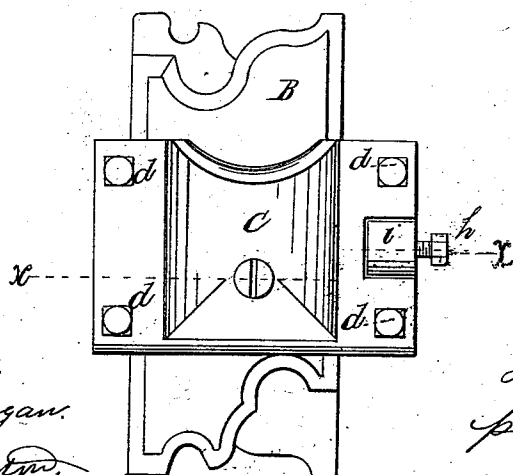


Fig. 2.



Witnesses.
Wm A. Morgan.
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United States Patent Office.

D. W. PERRY, OF WILKESBARRE, PENNSYLVANIA, ASSIGNOR TO
HIMSELF AND O. K. MOORE, OF THE SAME PLACE.

Letters Patent No. 84,964, dated December 15, 1868.

IMPROVEMENT IN TOOL FOR CUTTING MOULDINGS.

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, D. W. PERRY, of Wilkesbarre, in the county of Luzerne, and State of Pennsylvania, have invented a new and useful Improvement in Tool for Cutting Mouldings; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to planing-machines for cutting mouldings; and

It consists in the manner in which the bit or cutter is formed, and in the manner of its attachment to the head, whereby many objections to the common method are obviated, and many advantages are secured, as I will proceed to describe.

Figure 1 represents a section of fig. 2, through the line *xx*, showing cross-sections of the bit, and the manner in which it is held in the head.

Figure 2 is an outside view, showing the head and a side view of the bit.

Similar letters of reference indicate corresponding parts.

A represents the head.

B represents the bit.

C represents the cap by which the bit is secured to the head.

The head A is secured to the shaft, and the bit or cutter is secured to the head by the cap C, by four screws, as seen at *d*.

When a broad cutter or bit is used, a central screw, *e*, is employed.

As these bits have been made heretofore, they have

been slotted for screws, and thereby greatly weakened.

By my method of forming and fastening the bit, all the objections to the ordinary method are obviated—the bit is made entirely without holes or slots.

Its side edges are bevelled, and the recess *f* in the block in which the bit rests is bevelled also, so that a dovetail is formed, as seen in the drawing at *g*.

The pattern of the moulding to be cut is formed on the end of the bit, as seen in fig. 2.

By this method of forming and securing the bit, the moulding may be as broad or as narrow as may be desired, and made of a single piece of metal.

By this method, two different patterns or styles of moulding may be formed on the same bit, (one at each end,) as seen in the drawing, thereby making the bit reversible.

h is a set-screw, which passes through projecting lugs *i*, on the head, which serves to hold the bit steady.

By fastening the bit to the head with the screws *d*, all vibration is prevented, and consequently a smoother and better moulding is made.

I claim as new, and desire to secure by Letters Patent—

The bevelled moulding-cutter B, adjustably attached to the head A, by means of the recess *g*, cap C, screws *d*, set-screws *e* in the cap C, and the set-screw *h* in the side of the head, all arranged to operate in the manner herein shown and described.

D. W. PERRY.

Witnesses:

JOHN R. LINES,

J. R. PERRY.