

United States Patent Office.

A. W. MAXWELL, OF MILTON, PENNSYLVANIA.

Letters Patent No. 86,851, dated February 9, 1869.

IMPROVEMENT IN MOULDING-PLANE.

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, A. W. MAXWELL, of the borough of Milton, county of Northumberland, and State of Pennsylvania, have invented a new and useful tool for moulding wood, which I call "A Reversible Hand Moulding-Plane;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a view representing the bottom of the plane, and

Figure 2, the top.

Letter *a* represents the convex centre-bearing.

b, the knife-end of the bit.

c, the screws by which the bit is fastened to the body of the plane.

d, the openings in the bit, through which the screws pass, by which the bit is fastened, and by which, when unfastened, the bit may slide up or down.

e, the bit.

f, the handles of the plane.

g, the throat, partially seen, of the plane, through which the shavings of the wood pass.

The bottom of the plane is convex, the degree of

convexity being greater or less, in different planes, to suit the nature of the work expected to be done.

The "centre-bearing" *a*, enables the workman to reverse the plane when he desires, as, for instance, to avoid planing against the grain of the wood, or to make a smooth finish at the end of the material; and consists of a convex ridge, or bearing, running transversely across the middle of the plane, dividing the bit *e* longitudinally into two equal parts, the knives of both of which sections, the plane being reversed, make exactly the same impressions upon the wood.

The bit *e* is a double bit, the one half of which is the reversed duplicate of the other, and is fastened to the body of the plane by the screws *c* running through the openings *d*, so as to allow the bit *e* to be moved or adjusted at pleasure.

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

The moulding-tool herein shown and described, when all the parts are constructed and arranged to operate as represented, and for the purpose set forth.

A. W. MAXWELL.

Witnesses:

FRANKLIN BOUND,
M. YOENT.