

*M. Garland,
Bench Plane.*

No. 106,808.

Patented Aug 30. 1870.

Fig. 1.

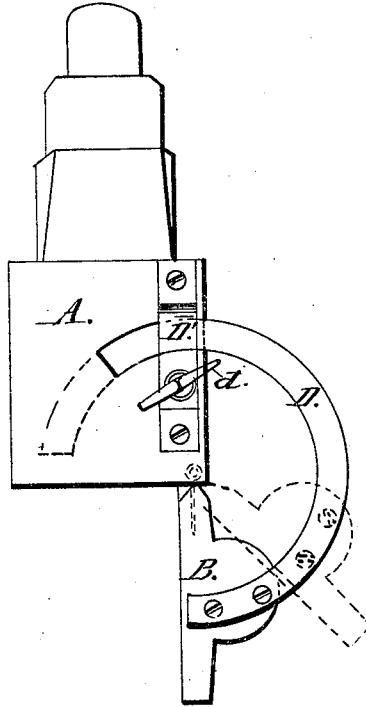
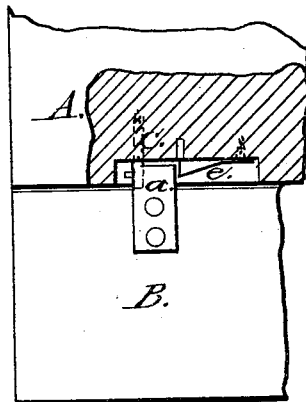


Fig. 2.



Witnesses:

*Frederick Ebert
Sam J. Spray*

Inventor:

*Michael, Garland,
per Attorney,
Thos. J. Sprague.*

United States Patent Office.

MICHAEL GARLAND, OF WEST EAU CLAIRE, WISCONSIN.

Letters Patent No. 106,808, dated August 30, 1870.

IMPROVEMENT IN PLANE-GUIDE.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, MICHAEL GARLAND, of West Eau Claire, in the county of Eau Claire and State of Wisconsin, have invented a new and useful Improvement in Plane-Guides; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is an elevation of the front end of my improved plane and guide; and

Figure 2 is a longitudinal section of a part of the plane above the joints.

Like letters indicate like parts in each figure.

The nature of this invention relates to the construction of a guide-attachment to carpenters' planes, and consists in a novel and peculiar construction of the guide, and method of attaching the same to an ordinary plane, so that the edge of a board may be jointed with perfect truth to a right angle with the side of the board, or to any bevel.

In the drawing—

A represents the body of an ordinary plane, and

B, my guide, provided, at its upper edge, with two halves of a loose butt, *d*, with its pin engaging with an eye-bolt, C, two of which are screwed into the lower face of the plane, in line with the outer edge of the plane-iron.

A catch-spring, *e*, is secured in a recess at the rear of each eye-bolt, in such a manner that, when the

butt-pins are linged in the eye-bolts, the former cannot be withdrawn and disengaged from the latter, until the springs are depressed; but one spring is required to hold the guide in place, although two are preferable.

D is a circular segment secured to the front end of the guide, passing through a guide, D', secured in the front end of the plane, and provided with a clamp-screw, *d*. This arrangement enables the workman to adjust and secure the guide to any desired angle with the plane, so that the edge of a board may be jointed with perfect truth to the angle set.

When not required the guide is detached, and the eye-bolts and spring removed.

I am aware of the invention of William H. Blye, for which Letters Patent of the United States were granted to him on the 10th of April, 1849, and disclaim the same.

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

The plane-guide D', provided with the clamp-screw *d*, in combination with the segment D, in connection with the plane A, provided with the guide B, half-butts *a*, eye-bolts C, and catch-springs *e*, when the several parts are constructed and arranged as described and shown, and for the purpose set forth.

MICHAEL GARLAND.

Witnesses:

H. F. EBERTS,
SAML. E. JONES.