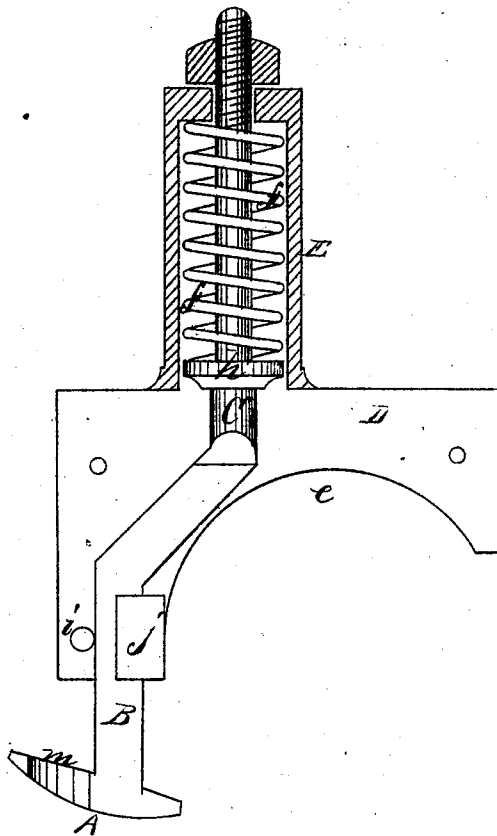


A.S.Hewlett.

Attachm^t. for Planers

No. 121,248.

Patented Nov. 28, 1871.



Witnesses

Geo. H. Strong
Benj^m. C. Fabres

Inventor

A. S. Hewlett
By his Atty's
Dewey & Co.

UNITED STATES PATENT OFFICE.

ALONZO S. HEWLETT, OF SEBASTOPOL, CALIFORNIA.

IMPROVEMENT IN ATTACHMENTS FOR PLANERS.

Specification forming part of Letters Patent No. 121,248, dated November 28, 1871.

To all whom it may concern:

Be it known that I, ALONZO S. HEWLETT, of Sebastopol, county of Sonoma, State of California, have invented a Chip-Breaking Attachment for Planing-Machines; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

My invention relates to a device which I call a chip-breaker, which is intended to be secured upon planing-machines in such a position as to press upon the board or stick which is being planed and prevent it from splitting or chipping when the planing-bits are cutting across or against the grain of the wood. My chip-breaker is intended to be used more particularly where the edges of boards are to be planed so as to match each other, such as rustic and other similar work.

In order to explain my invention so that others will be able to understand its construction and operation, reference is had to the accompanying drawing forming a part of this specification, in which—

A represents a presser-foot, having a shank, B, and spindle C. The shank and spindle are formed of the same piece of metal, but are made to stand in separate planes by an angular bend in the bar, as shown. This is done for reasons hereinafter explained. D is a flat metal plate, having a circular recess, *e*, at one side; and E is a barrel which is united to the plate D on the side opposite the circular recess *e*. The spindle C passes through the barrel E, and a spiral or other spring, *f*, surrounds it inside of the barrel, bearing against a shoulder, *h*, on the spindle. The shank B lies upon and extends beyond the plate D at one side of the circular recess *e*, where it is held in place by an angular clasp, *j*, upon

one side and a screw, *i*, upon the opposite side, which allows it to move in or out as the spring *f* is compressed or expanded. This throws the presser-foot A out beyond the plate so that it can bear against the edge of the board which is being planed. The plate D is to be secured horizontally to the planing-machine, so that the planer-head will revolve in the circular recess *e*. The presser-foot A will then bear against the edge of the board just before it reaches the bits to be planed, and prevent it from splitting or chipping by compressing the wood and compelling the bits to make a clean cut. The long arm of the presser-foot is hollowed at *m*, in which the surface presser-roller which holds the boards down upon the table revolves.

By the use of this device a great saving in lumber can be effected and the matching accomplished much more satisfactorily than when the work is attempted without it.

I am aware that various presser devices have been applied to the surface of lumber while being planed, and this I do not claim. I am aware that the patent of S. M. Richardson for cutter-heads, No. 60,787, and dated January 1, 1867, shows an adjustable presser-foot; and, therefore, I do not claim, broadly, such a foot; but

What I do claim is—

The presser-foot A with its shank B and spindle C, said spindle passing through a barrel, E, and held in place by a spring, *f*, in combination with the plate D provided with a recess, *e*, and having the clasp *j*, all constructed and arranged to operate substantially as and for the purpose above described.

In witness that the above-described invention is claimed by me I have hereunto set my hand and seal.

ALONZO S. HEWLETT. [L. S.]

Witnesses:

BENJN. C. FABRE,
GEO. H. STRONG.

(173)