

J. S. LOOMIS.

SECTIONAL PRESSURE BARS FOR PLANING AND MOLDING
MACHINES.

No. 187,472.

Patented Feb. 20, 1877.

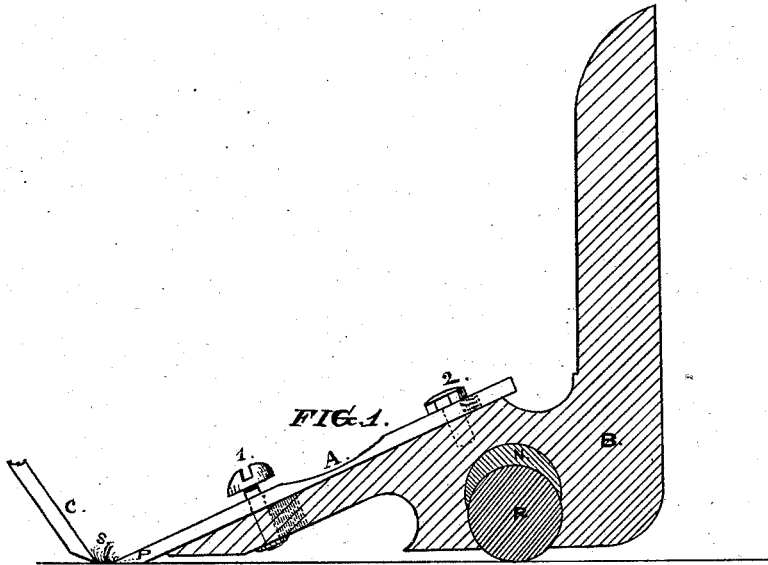
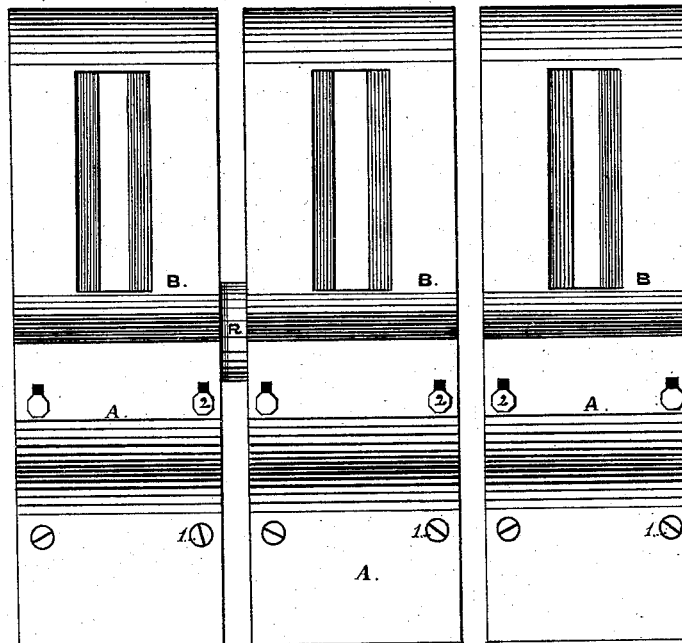


FIG. 2.

FIG. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN SECTIONAL PRESSURE-BARS FOR PLANING AND MOLDING MACHINES.

Specification forming part of Letters Patent No. 187,472, dated February 20, 1877; application filed April 6, 1876.

To all whom it may concern:

Be it known that I, JOHN S. LOOMIS, of the city of Brooklyn, in the county of Kings and State of New York, have invented certain novel and useful Improvements in Sectional Pressure-Bars for Planing and Molding Machines; and I hereby declare in what manner the same is to be constructed, arranged, and operated, reference being had to the accompanying drawings, which are lettered to correspond with, and form a part of, the specification.

To enable the public to understand the nature of my said invention, and those skilled in mechanics to construct and use the same, I will describe it as follows, to wit:

Figure 1 is a side elevation of one of my pressure blocks or feet, B, provided with the pressure-roller R, revolving in the block or foot B, upon a fusible-metal bearing or journal, N; also, the spring chip-breaker A, secured by bolts 1 and 2, and arranged close to the cutter C.

Fig. 2 represents the front view of two pressure blocks or feet, B B, provided with only one roller, R, passing through both blocks in a similar manner to Fig. 1. A A are chip-breakers, secured to the pressure blocks or feet by the bolts 2 2, and smaller guide-bolts 1 1.

Fig. 3 is a front view of a single pressure block or foot, B, having the chip-breaker A, and provided with a separate roller, substantially as shown at Fig. 1.

The roller R produces the pressure upon the lumber to be dressed, while the spring-plate A simply prevents the splinters S, in cross-grained, shaly, or knotty stuff, from extending beyond the point P at the chip-breaker as they are lifted by the revolving cutters C, by which means cross-grained lumber may be passed through the planing-machine with perfect safety, and dressed in a workmanlike manner. The roller R extends across the entire machine, passing through each pressure foot or block B, and is provided with Babbitt-metal bearings N.

The above-described pressure-bar, having spring chip-breakers secured to, and forming a part of, the same, for the purpose set forth, I believe to be novel and useful.

What I claim as novel and useful, and wish to protect by Letters Patent of the United States, is—

A sectional pressure-bar for planing and molding machines, formed of a series of pressure-feet having a flexible chip-breaker attached to each, and mounted upon a roller provided with Babbitt-metal bearings, all constructed to operate as shown and described, and for the purpose specified.

In testimony whereof I hereunto subscribe my name in the presence of two witnesses.

JOHN S. LOOMIS.

Witnesses:

JAMES P. McLEAN,
DAVID R. LONG.