

N. C. FRECK & S. STROCK.

Improvement in Wood Planing Machines.

No. 120,426.

Patented Oct. 31, 1871.

A Fig. 1.

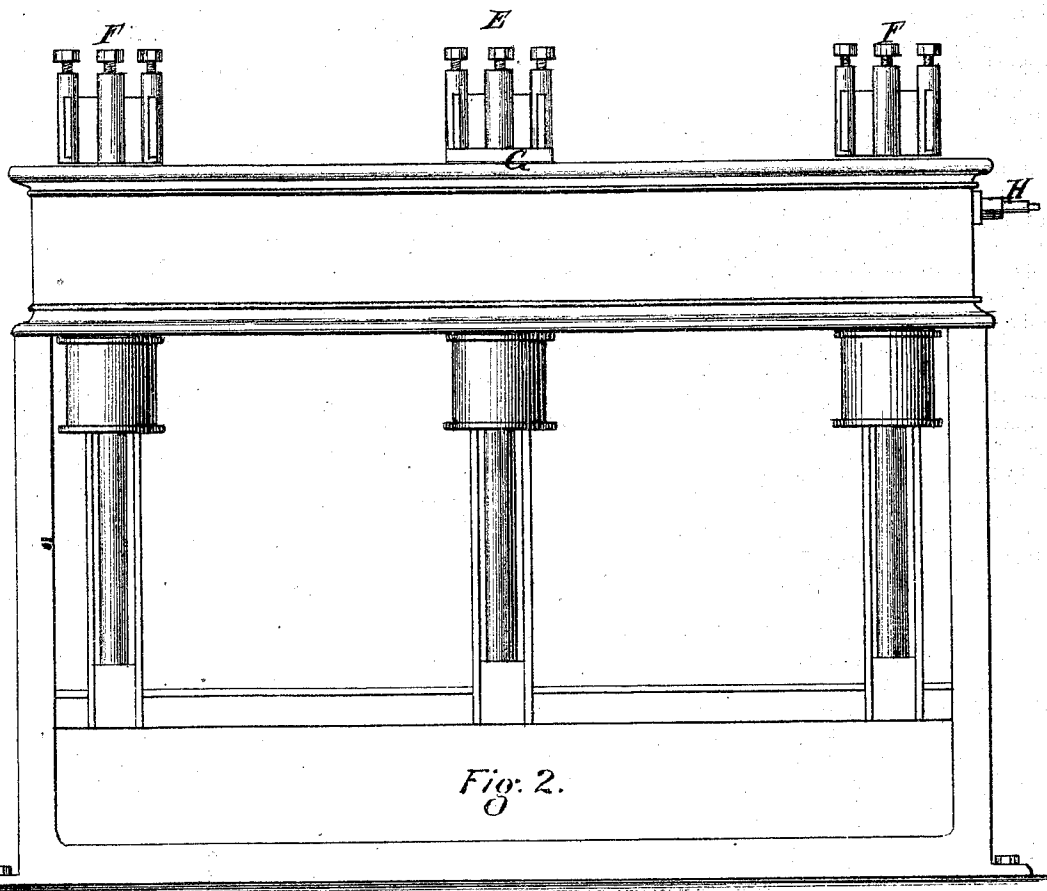
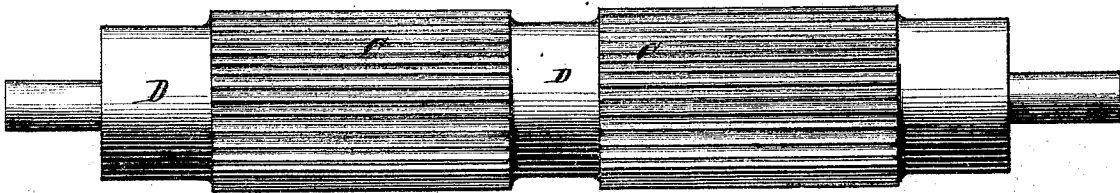


Fig. 2.

Witnesses:

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UNITED STATES PATENT OFFICE

NEWTON C. FRECK AND SOLOMON STROCK, OF MILLERSBURG, PENNSYLVANIA.

IMPROVEMENT IN WOOD-PLANING MACHINES.

Specification forming part of Letters Patent No. 120,426, dated October 31, 1871.

To all whom it may concern:

Be it known that we, NEWTON C. FRECK and SOLOMON STROCK, of Millersburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Wood-Planing Machines; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming a part of this specification.

Our invention relates to improvements in wood-planing machines; and it consists in the application to such machines of feed-rollers, edging-tools, and guides adapted for feeding and working two or more boards side by side simultaneously, planing them on the side and both edges.

Figure 1 is a side elevation of one of the feed-rolls, such as we propose to use; and Fig. 2 is a partial end view of a planing-mill, showing our proposed arrangement of edging or vertical rotary cutting-heads.

Similar letters of reference indicate corresponding parts.

We propose to have the feed-rollers A provided with two or more fluted sections C between the cylindrical parts D, according to whether we propose to plane two or more boards at once; and we have one center cutter-head, E, and two others, F, for dressing the edges when two boards are to be run at once. If three are to be run, there will be four of these cutters; but we prefer to use

only three for two boards at once. In this case the center head will be non-adjustable, and a guide, G, as wide as said head, will be arranged with it for the two boards to be pressed up to by spring-guides or rollers at their outer edges, and the outer heads F will be adjustable toward and from said center head as the width of the boards vary. If four cutter-heads are to be used, three of them will be adjustable, or two may be non-adjustable, as preferred. H represents a screw-rod, which may be employed for adjusting the outer cutter-heads, the connections of it with them or the bearings in which they run being of any approved arrangement.

By preference the center head will carry the grooving-tools when the stuff is being dressed for flooring, and the outer ones will have the tonguing-tools.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination of the cutter-heads E F F, guide G, and feed-rollers C, of a planing-machine, substantially in the manner herein described, for planing and edging two or more boards simultaneously.

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(173)