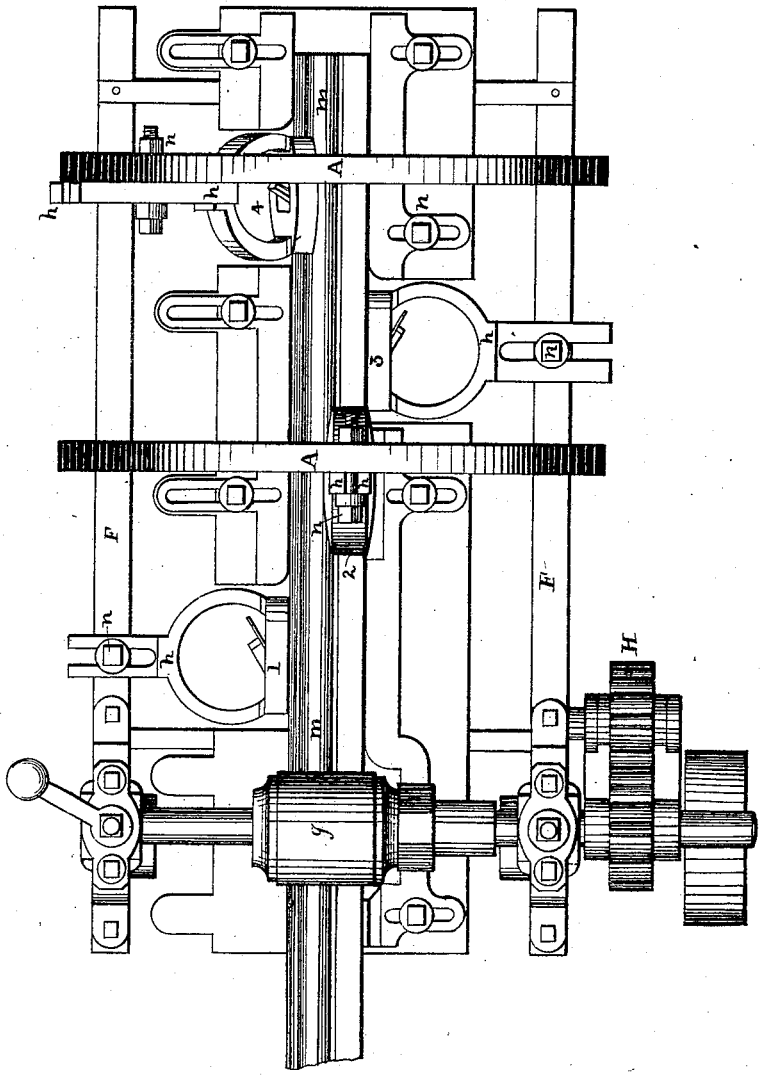
J. S. LOOMIS.

Machine for Finishing Wood-Moldings

No. 164,097. Patented June 8, 1875.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN S. LOOMIS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN MACHINES FOR FINISHING WOOD MOLDINGS.

Specification forming part of Letters Patent No. **164,097**, dated June 8, 1875; application filed September 22, 1874.

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 Machines for Finishing Wood Moldings by means of an independent series of planes fixed at any required angle; and I hereby declare the same is to be constructed, arranged, and operated by the means set forth in the following specification, which is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which are lettered to correspond with and form a part of the same.

In order that the public may fully understand the nature thereof, and those skilled in the mechanic arts be enabled to construct and operate the same, I will describe it as follows, to wit:

The drawing represents a plan view at the top of the machine, showing the molding *m* horizontally moving upon the stationary frame or table F by means of the flexible driving-roller *g*, operated by the gearing H, that will carry the molding *m* at any required speed against the cutting-edges of the backing-planes 1 2 3 4, which are independently arranged, and held at any desired angle by the open adjustable slotted heads *h*, which are fastened to the stationary table or frame F, or to the slotted arches A A, which also form a part of table F, by the application of set-nuts and bolts *n*, so that the fixed planes can be adjusted to operate upon any of the flat or beveled surfaces of the moving molding; and in order to prevent the planes from bearing too rigidly upon the moving molding I would insert between the stocks of the planes and the feet of the heads *h* india-rubber pads, so that a uniform yielding is produced upon the cutting-edge of each plane when the machine is in motion.

This invention is independent of all other planing machinery; and its novelty consists in the mode of finishing or backing wood moldings, after the same have been taken from the molding or forming machine, by means of the planes 1 2 3 4 arranged on different planes upon table or frame F, and operating, by means of the heads *h* and arches A A, to adjust the cutting-edge of each plane, so as to uniformly dress the vertical, back, horizontal, or flat beveled surface of the molding.

I disclaim the combination of backing-planes with molding or other machinery for forming wood moldings into shape. I also disclaim backing-planes with rotary saws or cylindrical shafts of any kind.

What I claim is—

A new mode of backing wood moldings by means of planes 1 2 3 4 arranged upon a table or frame, F, and secured at any required angle in the slotted arches A A, and to the heads *h h* with nuts and bolts *n n*, in combination with the feed-roller *g*, which operates the molding *m*, at a high or low speed, by the gearing H, substantially in the manner and for the purpose set forth.

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

JOHN S. LOOMIS.

Witnesses:
M. B. HART,
D. K. LONG.