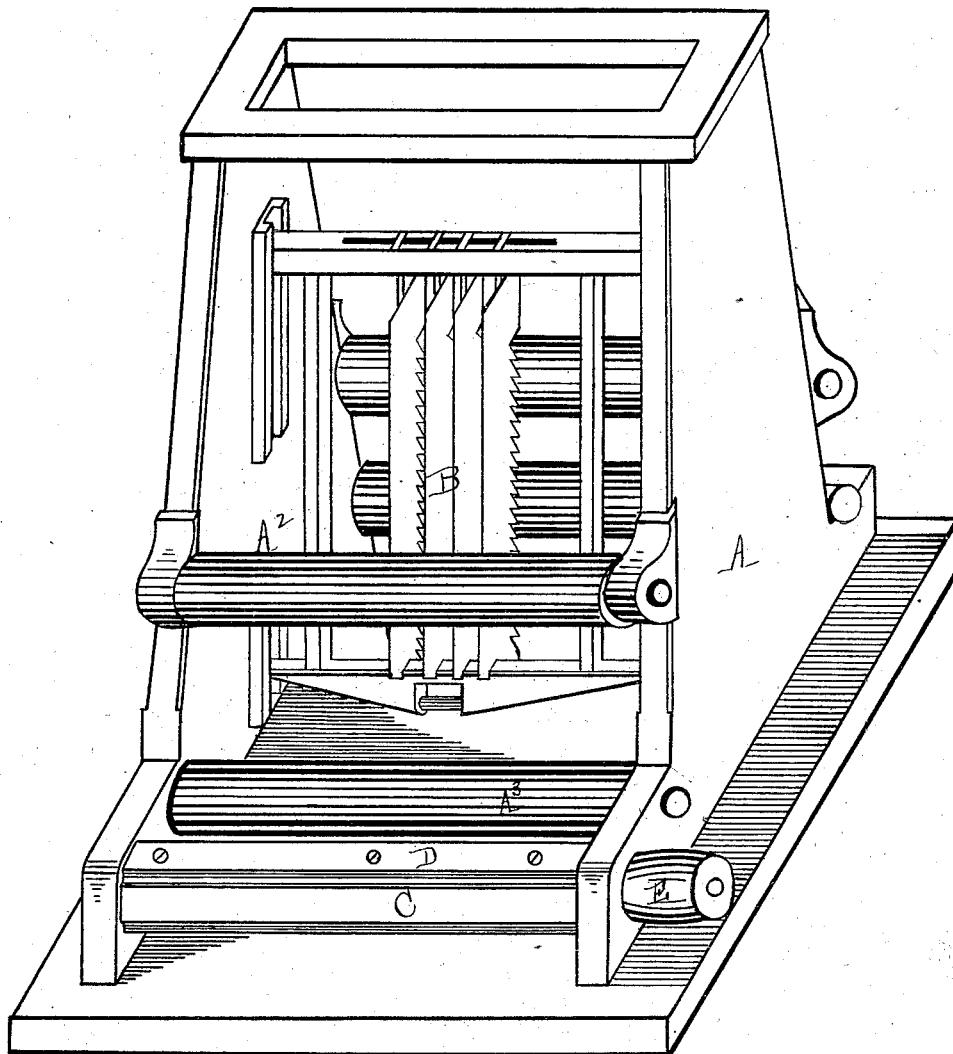


H. M. LOUD.
Sawing and Planing Lumber.

No. 215,379.

Patented May 13, 1879



Attest
Jas. W. Wayne
Chas. J. Hunt

Inventor.
H. M. Loud
By Atty
Thos. S. Sprague

UNITED STATES PATENT OFFICE.

HENRY M. LOUD, OF OSCODA, MICHIGAN.

IMPROVEMENT IN SAWING AND PLANING LUMBER.

Specification forming part of Letters Patent No. **215,379**, dated May 13, 1879; application filed May 1, 1878.

To all whom it may concern:

Be it known that I, HENRY M. LOUD, of Oscoda, in the county of Iosco and State of Michigan, have invented an Improvement in Gang-Saw Mills, of which the following is a specification.

The nature of my invention relates to certain new and useful improvements in gang-saw mills, by means of which the rough lower edges of the lumber made by the downward cut of the saws are removed, thereby leaving the lumber coming from the gang in better and more marketable condition, and in condition for being more pleasantly handled.

The invention consists in placing a rotary planer-head, provided with suitable cutters or planers, immediately in the rear of the feed or carrying rollers, which are themselves immediately in rear of the saws, and in such position that the planers will act upon the lower edges of the lumber after the saws have passed through the log, to remove the rough edges made by the downward cut of the saws.

In the accompanying drawings, which form a part of this specification, my improvement is shown, in perspective, as attached to a gang-saw mill.

A represents a gang-saw frame, provided with the saws B, the rear of which is presented in the drawing, and also provided with the usual upper and lower feed-rollers,

A² and A³, the former letter referring to the upper and the latter to the lower of said rollers. C is a planer-head, journaled at each end into the sides of the frame A, in line with and immediately in rear of the lower roller, A³, which is immediately in rear of the saws. This planer-head is of the usual construction, driven from any convenient point by the pulley E, and provided with cutters or knives D, removably secured, and set in such manner as to cut or trim off the lower edge of the lumber.

There is nothing new claimed in the construction of the gang-saw mill; neither do I broadly claim a planer, as both these devices are in common use; but I am not aware that they have ever been used in combination as I employ them.

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

In a gang-saw mill, the combination, with the vertical reciprocating saws B and the feed-rolls, of the planer-head C, placed in rear of the saws, and adapted to cut upon a plane with the upper edge of the rear lower feed-roll, A³, substantially as and for the purpose set forth.

HENRY M. LOUD.

Witnesses:

H. S. SPRAGUE,
CHARLES J. HUNT.