

S. N. POOL, Jr.
CIRCULAR-SAW.

No. 192,526.

Patented June 26, 1877.

Fig. 1

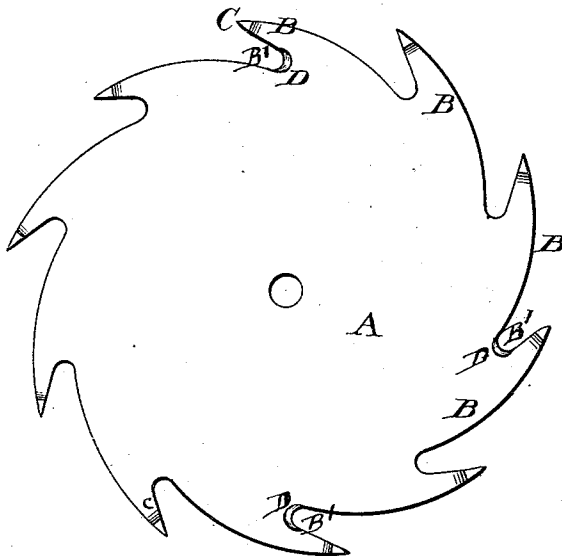


Fig. 2

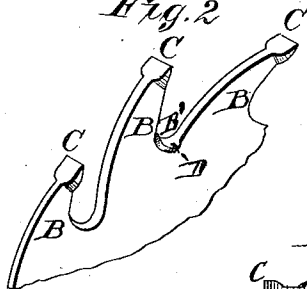
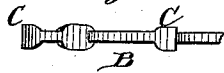


Fig. 3.



WITNESSES

Francis L. Curran
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INVENTOR

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ATTORNEYS

UNITED STATES PATENT OFFICE.

SOLOMON N. POOL, JR., OF ALPHARETTA, GEORGIA.

IMPROVEMENT IN CIRCULAR SAWS.

Specification forming part of Letters Patent No. **192,526**, dated June 26, 1877; application filed June 1, 1877.

To all whom it may concern:

Be it known that I, SOLOMON N. POOL, JR., of Alpharetta, in the county of Milton and in the State of Georgia, have invented certain new and useful Improvements in Saw - Planers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to circular saws; and it consists in the construction of projections on the side of the saw-blade to form planing-teeth of the same metal as the saw-blade, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view of a circular saw embodying my invention. Figs. 2 and 3 are detailed views of parts thereof.

A represents an ordinary circular saw, formed with the curved saw-teeth B B of the usual form, so as to make throats B' in the saw-plate.

The points of the teeth B are swaged to

form the broad cutters C in the same manner as ordinarily done in circular saws.

In the throats B' the metal of the saw-plate is swaged to make projecting edges or cutting-blades D D on both sides of the saw, which blades can easily be sharpened both at the same time, and form planing-teeth which plane the lumber at the same time as it is cut.

I am well aware that planing-teeth or circular teeth are not new; hence I do not claim such as being broadly my invention.

The planing-teeth may be formed after every cutting-tooth, or after every second, third, or fourth, as desired.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A circular saw, having teeth B and projecting edges or cutting-blades D D formed in the throat B' and upon both sides of the saw-plate, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of May, 1877.

SOLOMON N. POOL, JR.

Witnesses:

E. V. MCCOLLUM,

A. P. LATHAM.