UNITED STATES PATENT OFFICE.

GEORGE F. WOOLSTON, OF DISTRICT OF ORANGEBURG, SOUTH CAROLINA.

SAW FOR SAWING AND SMOOTHING BOARDS.


To all whom it may concern:

Be it known that I, George F. Woolston, of the district of Orangeburg and State of South Carolina, have invented a new Improvement in Teeth of Saws, which is for the purpose of planing lumber in the operation of sawing, or producing a smoother surface, so that it may be more easily planed; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 represents a circular saw; B, teeth of the usual form for sawing; C, teeth formed with a groove in the underpart, so as to form double edged chisels;—having sharp edges at the sides for the purpose of planing; and may be set so as to cut slant-wise. The planing teeth may be formed or set, by a process which will be understood by reference to Fig. 2, in which D represents a wedge, formed of parts D F and G, connect-

ed and held firmly together by screws H and T. J represents an edge view of the tooth before it is set. By applying a hammer to the wedge, a groove may be formed in the under part of the tooth, the tooth widened, and sharp edges formed at the sides. Fig. 3 represents an edge view of the tooth after it is set. Or the teeth for planing may be formed without a groove, as represented by Fig. 4, by being widened, and having square edges at the sides. In circular saws, to prevent back scratching, a thin circular plate may be attached to the saw, as represented by the line K; so as to be between the log and the saw blade.

I claim, for the purposes above set forth, forming and arranging teeth of saws substantially as herein described.

GEORGE F. WOOLSTON.

Witnesses:

John Eckie,

James Jones.