

G. B. Goodnow,

Saw.

No. 10,258.

Patented Mar. 29. 1870.

Fig. 1.



Fig. 3.

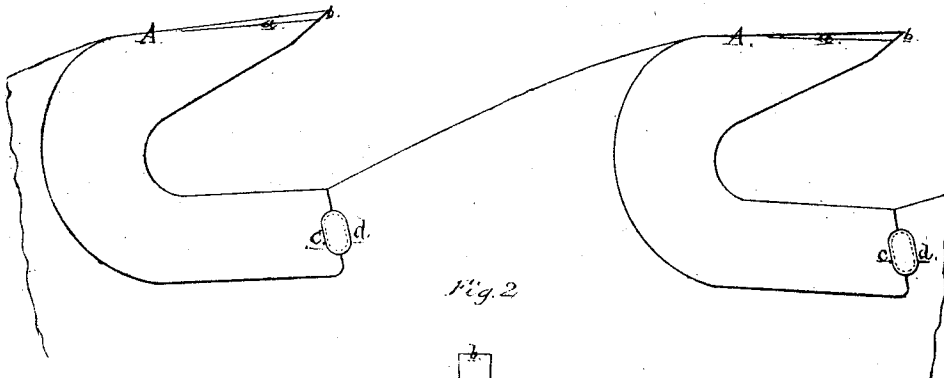
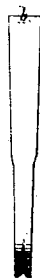


Fig. 2.



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GEORGE B. GOODNOW, OF DETROIT, MICHIGAN.

Letters Patent No. 101,258, dated March 29, 1870.

IMPROVEMENT IN SAWS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, GEORGE B. GOODNOW, of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Improvement in Circular-Saw Teeth; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective of the upper and cutting part of the tooth.

Figure 2 is a plan view of the top of the tooth, showing my upset flange.

Figure 3 represents two teeth inserted in a circular-saw plate, showing the method of securing them in place.

Like letters refer to like parts in each figure.

The nature of this invention relates to an improved construction of circular-saw teeth; and

It consists in providing the tooth, when inserted into a saw-plate, with an oblong semi-slot, by means of which and a proper rivet the teeth are secured firmly in the saw-plate.

In the accompanying drawings—

A represents the top of the tooth, which is swaged or upset, thereby forming a flange, *a*, upon both sides, extending from the cutting-point *b* backward, as far as may be necessary, taking care that the flanges are

broader at the cutting-edge or point *b*, and tapering as they recede from said cutting-point, as shown in the drawings. This is better than to have the side faces of the flanges parallel with the sides of the tooth.

This improvement is equally applicable to all circular-saws, whether solid or inserted teeth are used.

When inserted teeth are used with this improvement, they should be provided with an oblong semi-slot, *c*, which should be coincident with a similar semi-slot, *d*, in the saw-plate, and a rivet of oblong form should be employed to secure the teeth in place. This rivet, by presenting a longer surface on a line from the point of the teeth to the center part of the saw-plate, renders it much easier to set the teeth in line with the saw than when a round rivet is used, as is usually done.

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

In combination with the tooth A, the oblong slot *c* *d*, with its longer diameter vertically arranged, one-half of said slot being in the end of the tooth A and the other half in the saw-plate, and provided with a suitable rivet, when constructed as described and arranged as and for the purpose set forth.

GEORGE B. GOODNOW.

Witnesses:

H. S. SPRAGUE,
JAMES THIERRY.