

(No Model.)

G. S. BLACK.
HOLDER FOR INSERTIBLE SAW TEETH.

No. 468,012.

Patented Feb. 2, 1892.

FIG. 1.

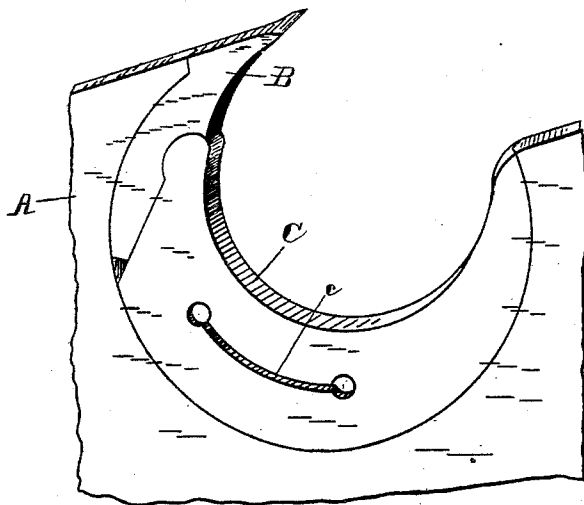


FIG. 2.

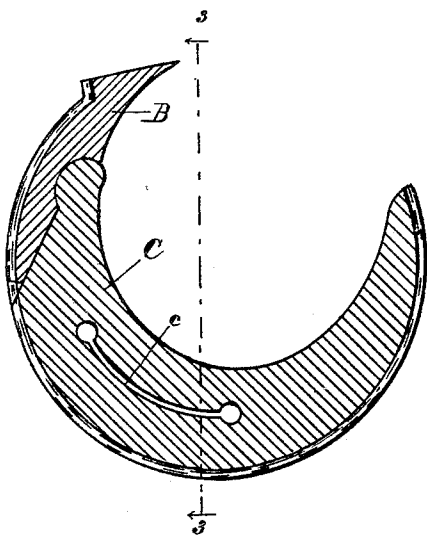
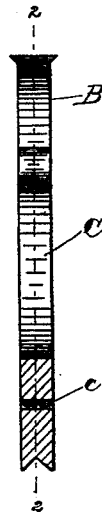


FIG. 3.



WITNESSES.

F. H. Warner,
Hauke & Hood.

George S. Black, INVENTOR.
per C. E. W. Bradford, ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE S. BLACK, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO THE E. C. ATKINS & COMPANY, OF SAME PLACE.

HOLDER FOR INSERTIBLE SAW-TEETH.

SPECIFICATION forming part of Letters Patent No. 468,012, dated February 2, 1892.

Application filed May 15, 1891. Serial No. 392,845. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. BLACK, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Holders for Insertible Saw-Teeth, of which the following is a specification.

My said invention relates to that class of devices known as "inserted teeth for saws;" and it consists in a certain construction of the holding device whereby it is adapted to be tightened in place without impairing its durability.

Said invention will be first fully described, and then pointed out in claims.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a perspective view of a fragment of saw-blade, including a tooth and its holder, the latter being constructed in accordance with my said invention; Fig. 2, a central sectional view of the tooth and holder separately on the dotted line 2 2 in Fig. 3; and Fig. 3, a transverse sectional view, looking toward the left from the dotted line 3 3 in Fig. 2.

In said drawings the portion marked A represents the fragment of a saw-blade; B, the tooth, and C the holder or follower.

The saw-blade and also the tooth or cutting-point B are or may be of an ordinary and well-known character and need no special description.

The holder or follower C is in general outline preferably bounded by lines which are substantially segments of circles, as shown, and is provided with a slot *c*, which terminates, preferably, in small round holes, as also shown, and is located at a point substantially central in said holder or follower.

Heretofore holders for saw-teeth of this

character when they became loosened by wear have been tightened by being "peened" with a hammer, which has had the well-known effect of stretching the metal at the point operated upon. It has, however, had the further effect to put the metal under such a strain that the further strain of the usual work of the saw has frequently occasioned breakage, which is both dangerous to the operatives and likely to occasion damage. It has also distorted the shape somewhat and made the fit of the parts imperfect. To remedy this is the object of my invention, and I have discovered that separating the metal into two portions at the point where this work is to be done will leave one portion after the completion of said work in its natural state undistorted, while the other portion is made (by the operation of the hammer, before described) quite as effective for the purpose as if the device were left solid. Providing this device with the slot *c*, therefore, of the form and character shown is the essence of my invention.

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

1. A holder or follower for insertible saw-teeth, circular in form and having a central longitudinal slot, substantially as and for the purposes set forth.

2. The holder or follower for saw-teeth, provided with a central longitudinal slot terminating at its ends in round holes, substantially as shown and described.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 4th day of May, A. D. 1891.

GEORGE S. BLACK. [L. s.]

Witnesses:

CHESTER BRADFORD,
FRANK W. WOOD.