

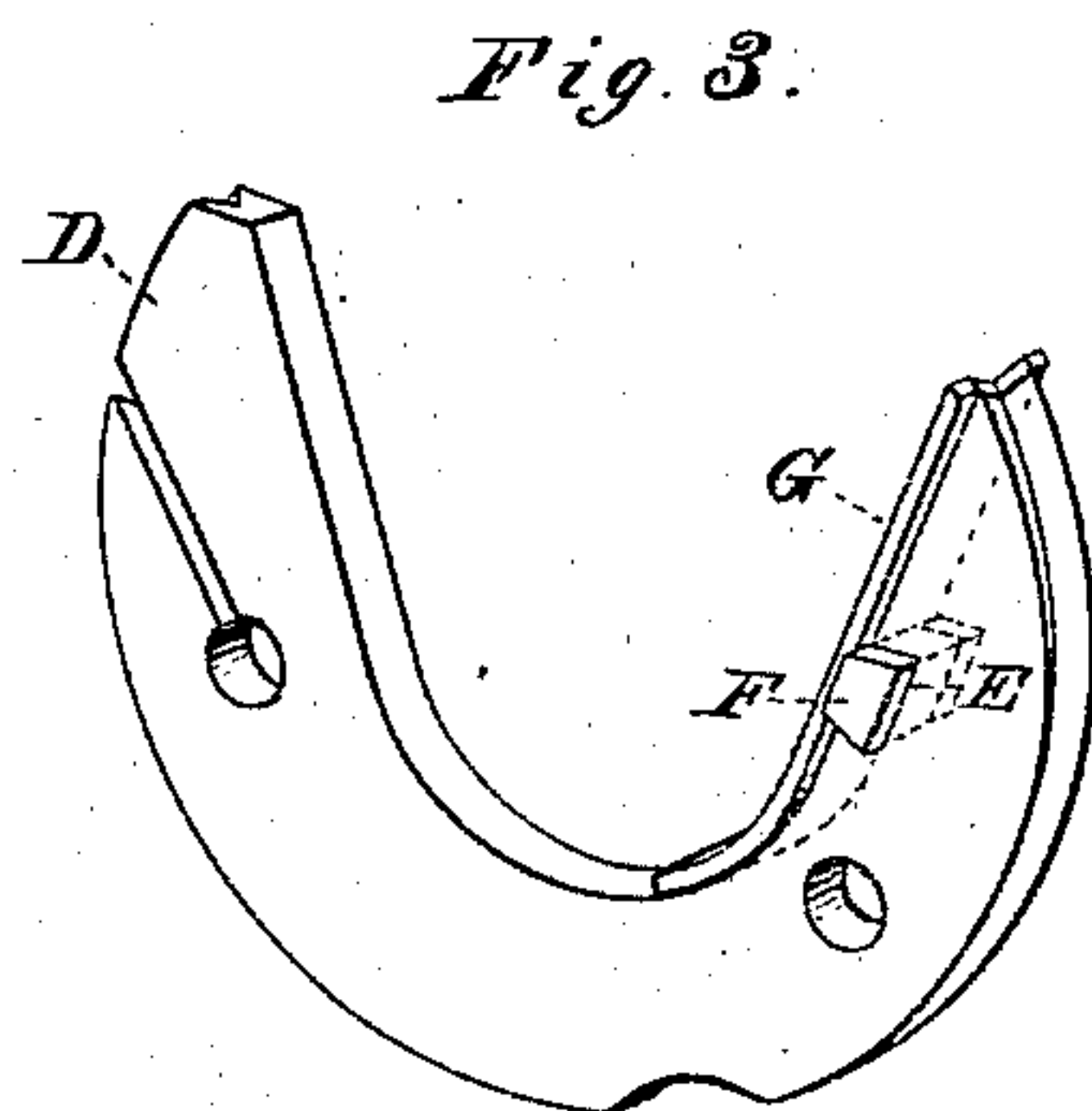
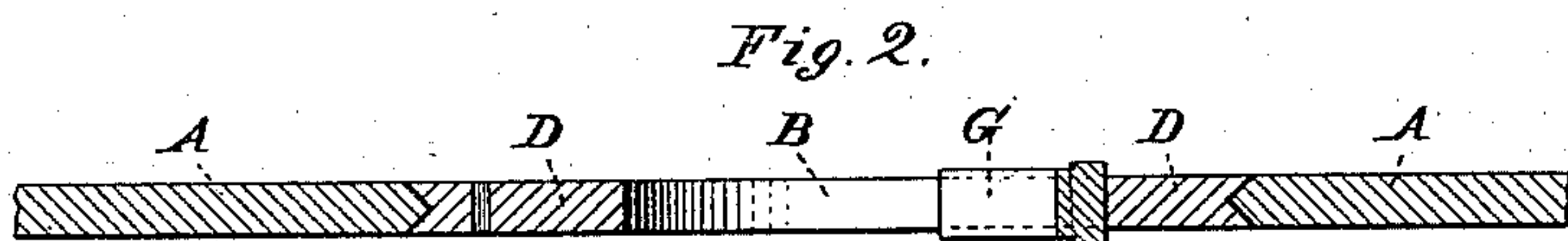
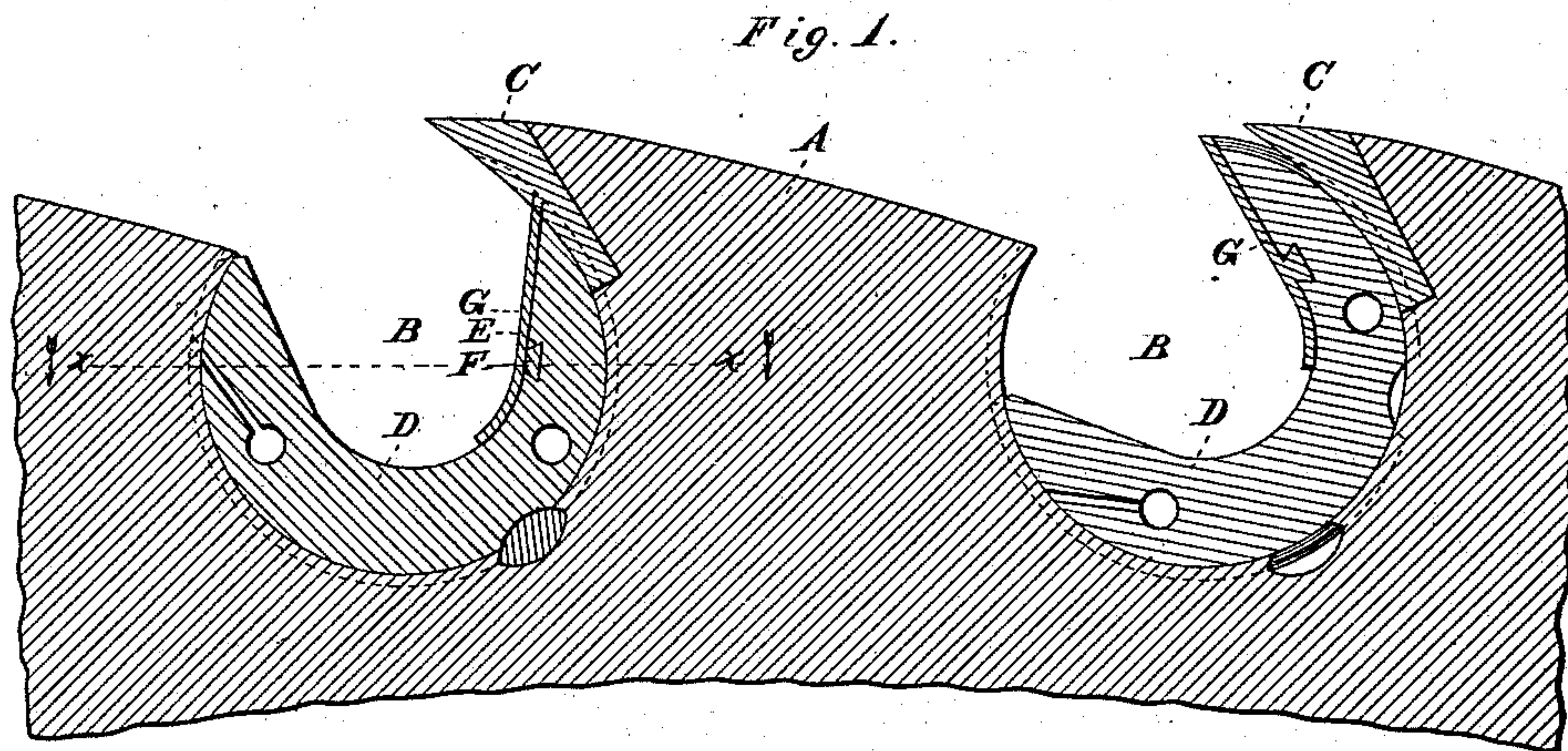
(No Model.)

A. KRIEGER.

PROTECTOR FOR INSERTIBLE SAW TEETH.

No. 315,419.

Patented Apr. 7, 1885.



WITNESSES

Villette Anderson.
Philip LeMasi

INVENTOR.

Andrew Krieger
by Anderson & Smith.
his

ATTORNEYS

UNITED STATES PATENT OFFICE.

ANDREW KRIEGER, OF COLUMBUS, OHIO, ASSIGNOR TO JAMES OHLEN, OF
SAME PLACE.

PROTECTOR FOR INSERTIBLE SAW-TEETH.

SPECIFICATION forming part of Letters Patent No. 315,419, dated April 7, 1885.

Application filed February 19, 1885. (No model.)

To all whom it may concern:

Be it known that I, ANDREW KRIEGER, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Shank-Protectors for Inserted Saw-Teeth; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a vertical section. Fig. 2 is a cross-section taken through where lines *xx* are marked on Fig. 1. Fig. 3 is a perspective view of the holder-plate with the protector attached.

This invention has relation to means for protecting inserted saw-teeth; and it consists in the construction and novel arrangement of devices, as will be hereinafter fully explained.

Referring by letter to the accompanying drawings, A designates a section of an insertible-tooth saw having the openings B, which form the seats for the teeth C, and the wedges or holders D, adapted to hold the teeth securely in place. The lower end of the holder-plate extends forward along the front of the shank of the tooth, and is made with a transverse dovetail seat-notch, E, in its forward edge, which is adapted to receive a dovetailed lug, F, formed on the rear face of the protector G. This protector for the holder-plate or mouth-piece consists of a single small elongated strip of metal, which conforms to the

shape of the forward edge of the end of the protector-plate, and is usually or preferably made a little wider across its face than the thickness of said holder-plate, in order to relieve the sides as well as the front of this end of the mouth-piece. It also serves to protect the shank of the tooth from being worn away on the sides, preventing the friction caused by the sides of the shank becoming worn, and permitting the sawdust to escape between the saw and log.

It will be observed that after the protector is placed in position the sides of the lug may be hammered a little to prevent said protector from becoming disengaged from the mouth-piece. When the latter becomes worn by use, it can be removed and readily replaced by another.

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

The combination, with a mouth-piece or holder-plate for insertible saw-teeth having the dovetail transverse notch in its forward edge, of the detachable protector constructed to conform to the shape of the forward edge of the mouth-piece, and provided with the transverse dovetail lug adapted to engage the notch in the mouth-piece, whereby the said protector is secured thereto, as shown and described.

In testimony whereof I affix my signature in presence of witnesses.

ANDREW KRIEGER.

Witnesses:

JAMES M. LOREN,
THOS. MONAGHAN,
J. A. KEYHT.