

A. G. ROUSE.
Saw-Swages.

No. 153,984.

Patented Aug. 11, 1874.

fig. 1

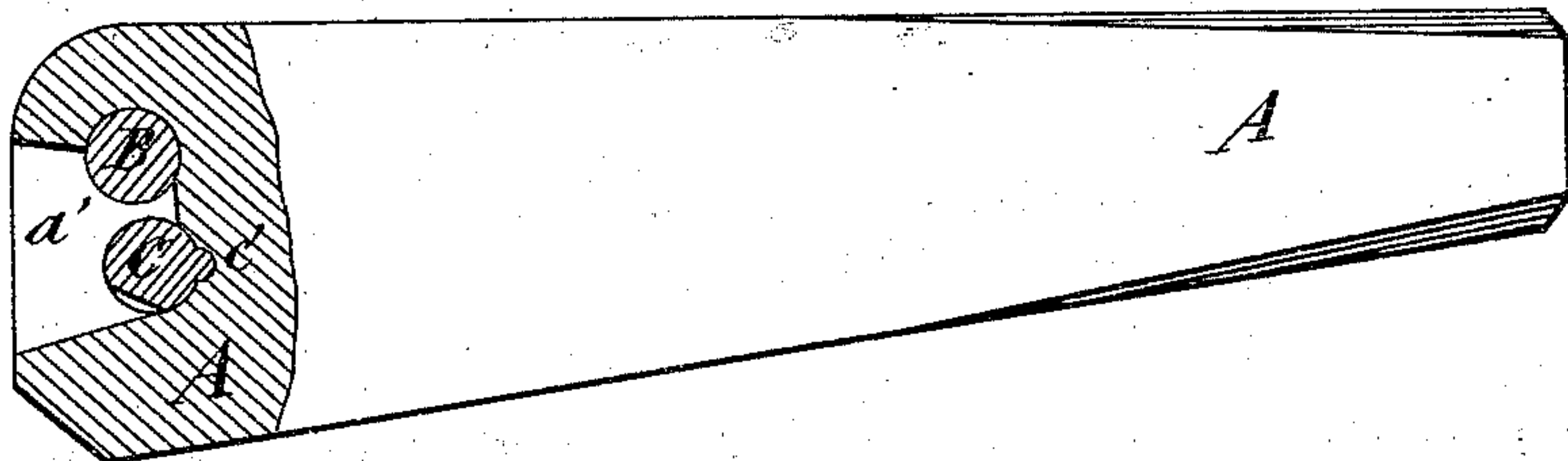


fig. 2

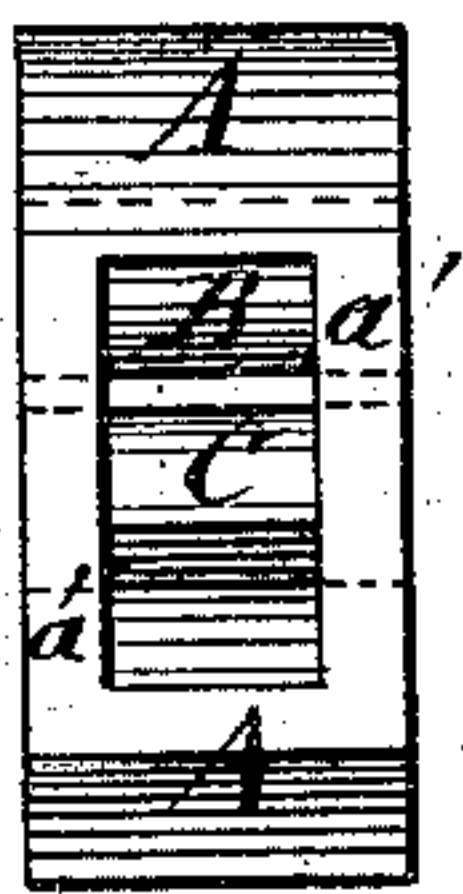


fig. 3

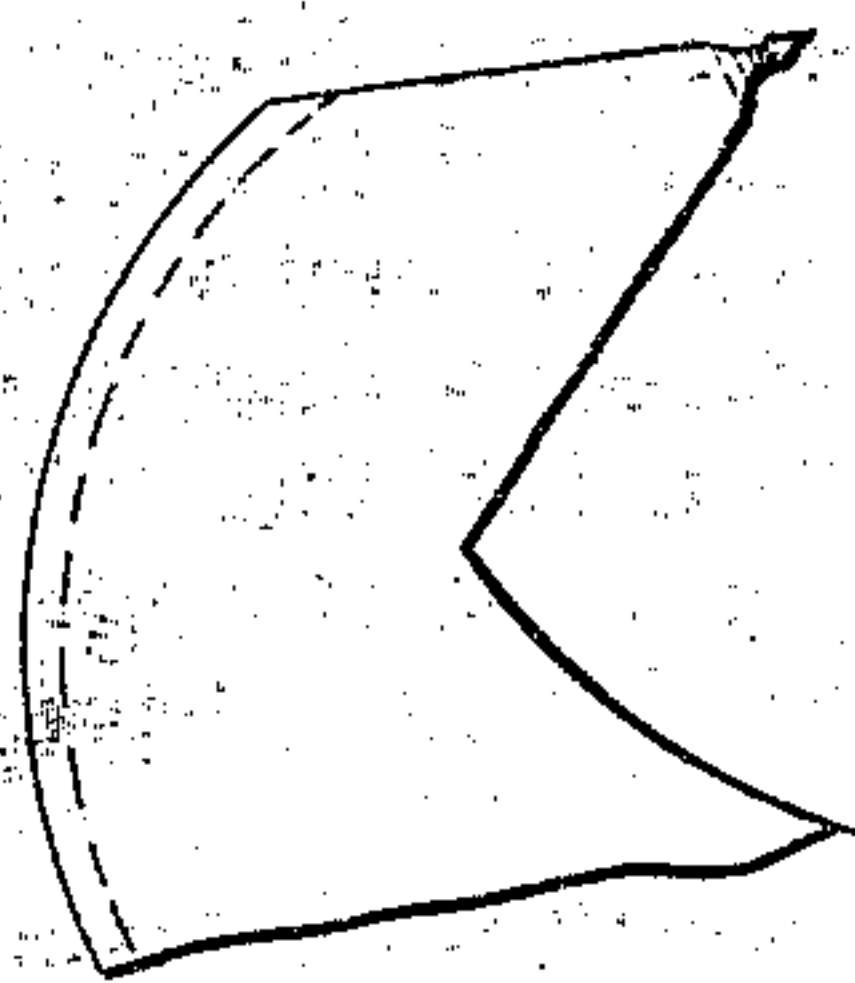
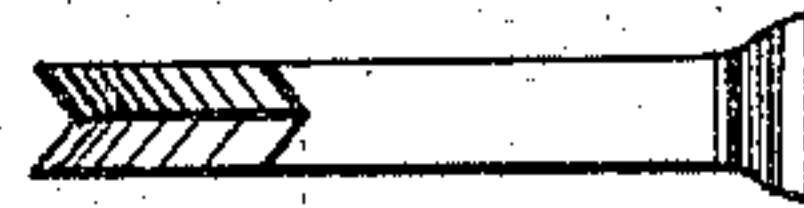
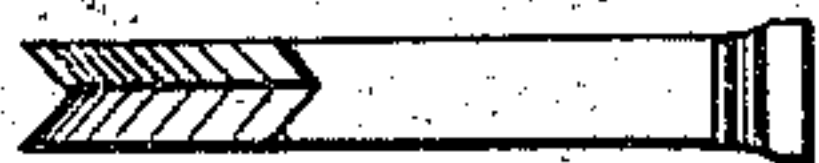
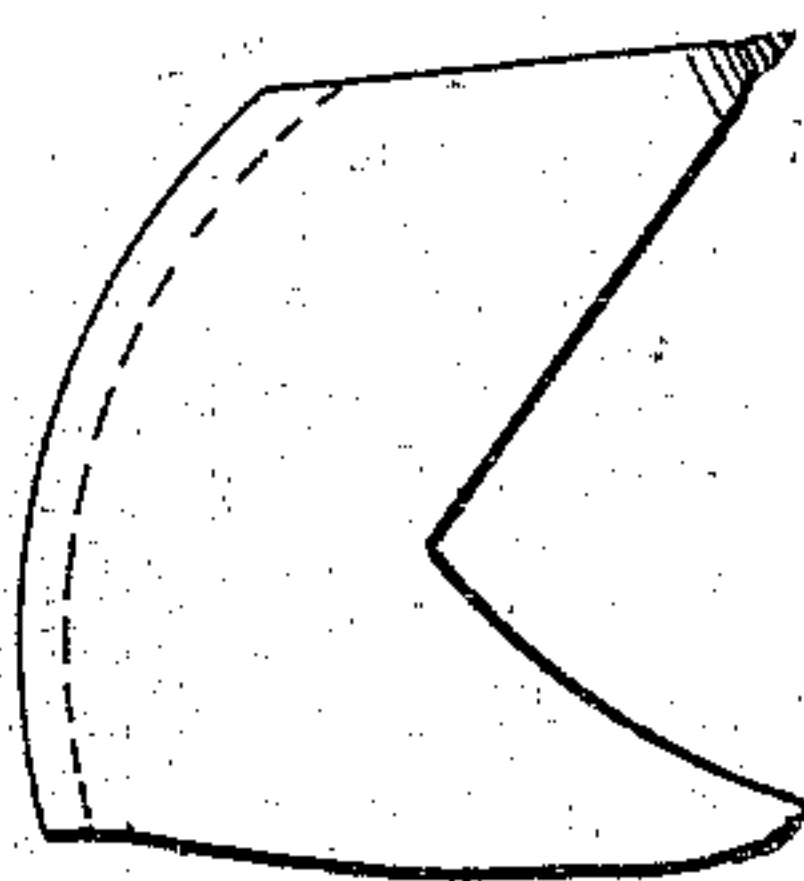


fig. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

ALONZO G. ROUSE, OF JACKSONVILLE, FLORIDA.

IMPROVEMENT IN SAW-SWAGES.

Specification forming part of Letters Patent No. **153,984**, dated August 11, 1874; application filed July 18, 1874.

To all whom it may concern:

Be it known that I, ALONZO G. ROUSE, of Jacksonville, in the county of Duval and State of Florida, have invented a new and useful Improvement in Swage for Saw-Teeth, of which the following is a specification:

Figure 1 is a side view of my improved swage. Fig. 2 is a face view of the same. Fig. 3 is a side and edge view of a saw-tooth after the first operation. Fig. 4 is a side and edge view of a saw-tooth after the second or finishing operation.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved swage for saw-teeth, simple in construction, effective in operation, and convenient in use, requiring very little skill in its application, it being self-adjusting to the teeth, and bringing the teeth into such a condition that they need very little finishing with the file. The invention consists in an improved swage for saw-teeth, formed by the combination with the recessed end of the stock of the round pin and the pin made with one flat side, as hereinafter fully described.

A represents the handle or stock of the swage, which is made of steel or other suitable material. One end of the stock A has a recess, *a'*, formed in it, with straight sides, and one or both of its ends inclined or flaring. Through the stock A, at the bottom of the recess *a'*, are passed two transverse pins, B C, which are inserted in holes through the said stock. The pins B C are made of steel, and one of them, as B, may be perfectly round. The other pin, C, is made with one flat side, and is so arranged that the said flat side may be at such an angle with the inclined end of

the recess *a'* as the inclination or taper of the tooth may require. The pin C is secured in position, when inserted in the stock A, by a key, *c'*, which is inserted in a groove in the said pin C, and in the said stock A, as shown in Fig. 1.

In using the swage, it is placed upon a saw-tooth, with the point of said tooth between the pins B C, and one or more blows with a hammer upon the end of the stock A will cause the said pins to form small transverse grooves in the upper and lower sides or edges of the tooth, an eighth of an inch, more or less, from its point, the said point being unaffected. The swage is then adjusted to bring the point of the tooth between the inclined side of the pin C and the inclined end of the recess *a'*, and one or more blows of a hammer upon the end of the stock A will bring the point of said tooth to the proper form, bringing the corners out fully and squarely, obliterating the grooves formed by the pins B C, and finishing the point of the tooth so perfectly that it requires very little finishing with the file. The lower end of the stock A may be strengthened, if desired, by a metallic band driven or shrunk upon it.

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

An improved swage for saw-teeth, formed by the combination with the recessed end of the stock A of the round pin B and the pin C, made with one flat side, substantially as herein shown and described.

ALONZO G. ROUSE.

Witnesses.

JNO. PRICE, Jr.,
SAM. FAIRBANKS.