

No. 759,958.

PATENTED MAY 17, 1904.

W. H. BATCHELDER.

SAW.

APPLICATION FILED AUG. 1, 1902.

NO MODEL.

FIG. 1.

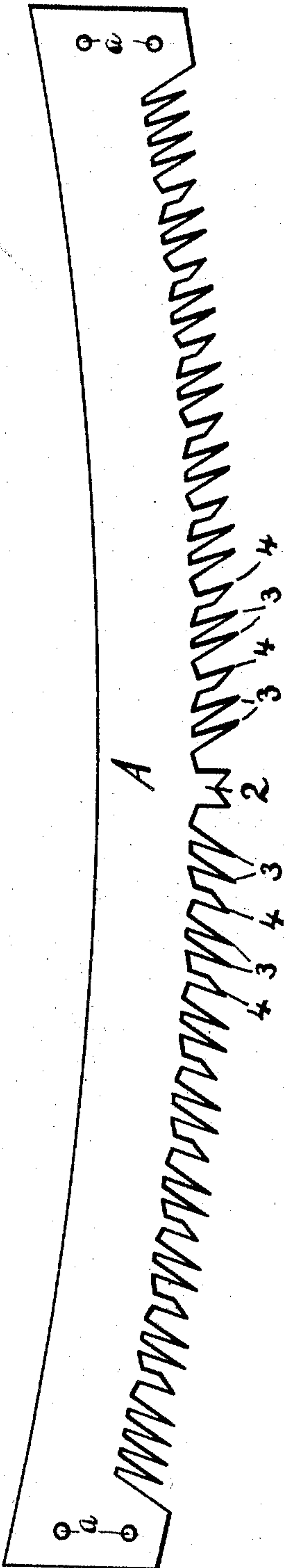
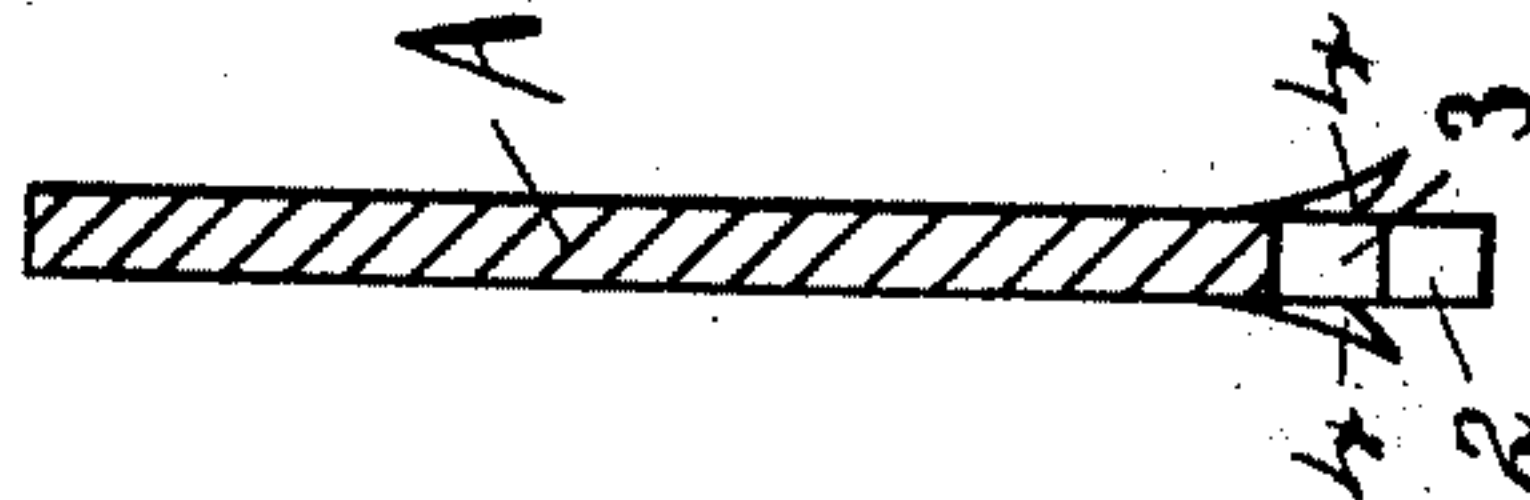


FIG. 2.



WITNESSES:

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WILLIAM H. BATCHELDER, OF AKRON, IOWA.

SAW.

SPECIFICATION forming part of Letters Patent No. 759,958, dated May 17, 1904.

Application filed August 1, 1902. Serial No. 117,918. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BATCHELDER, residing at Akron, in the county of Plymouth and State of Iowa, have invented certain
5 useful Improvements in Saws; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as
10 it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to a new and novel improvement in saws, and comprises a blade of a certain form provided with teeth given
15 a particular shape and position, as will be set forth hereinafter.

In the accompanying drawings I have shown in Figure 1 a side view of a saw-blade embodying my invention, while Fig. 2 shows a
20 central sectional view thereof.

My invention embodies, essentially, a saw-blade A, of any suitable length and preferably curved, as is shown in Fig. 1, and provided with perforations *a* at the end, adapted to receive suitable bolts, so that this saw-blade
25 may be secured to suitable handles. By means of a central king-tooth 2, in outline conforming to the capital letter W, the saw is divided into two sections. Adjacent this king-tooth
30 2 and inclining in opposite directions are the cutting-teeth 3 3, disposed in sets of twos, and following two cutting-teeth in each instance is a clearing-tooth 4, these cutting-teeth being bent sidewise alternately, as may be understood in referring to Fig. 2.
35

It will be noticed that the clearing-teeth 4 4 are somewhat shorter than the cutting-teeth, so that if this saw descends it cuts in three distinct planes, the lowermost flat planes being represented by the cutting-teeth, while
40 the clearing-teeth form two inclined planes adjacent, as will be understood in referring to Fig. 2. The cutting-teeth, it will be noticed, are wedge-shaped, while the clearing-teeth are in the form of a trapezium.
45

These saw-blades are made of any suitable length, width, and material.

Having thus described my said invention, what I claim as new, and desire to secure by United States Letters Patent, is—
50

A saw, comprising a blade having at its center a substantially U-shaped king-tooth dividing the saw into two sections, each section having teeth inclined in opposite directions and embodying wedge-shaped cutting-teeth
55 arranged in series and alternately set at opposite sides of the blade, and a clearing-tooth arranged between each set of cutting-teeth and conforming substantially to the shape of a trapezium, the clearing-teeth being of greater
60 length than the king-tooth, and the cutting-teeth being of greater length than the clearing-teeth.

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

WILLIAM H. BATCHELDER.

Witnesses:

G. H. WOOTON,
GEORGE CAIN.