

(No Model.)

E. D. & O. B. REYNOLDS.
METHOD OF MAKING HARROW TEETH.

No. 246,558.

Patented Aug. 30, 1881.

Fig. 1.

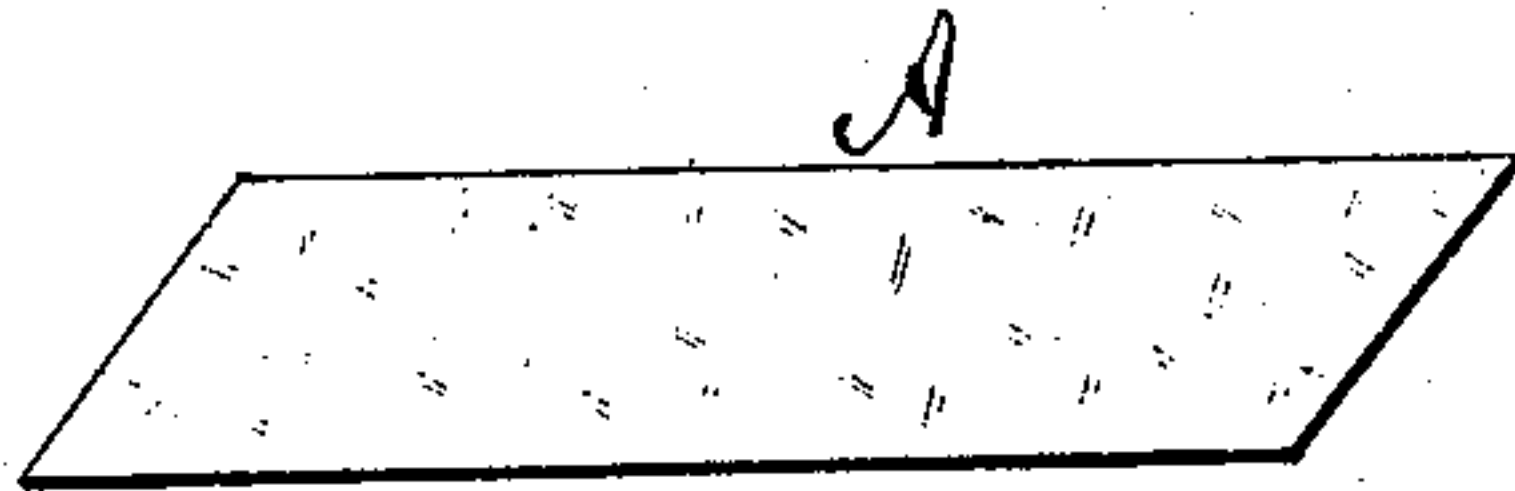


Fig. 2.

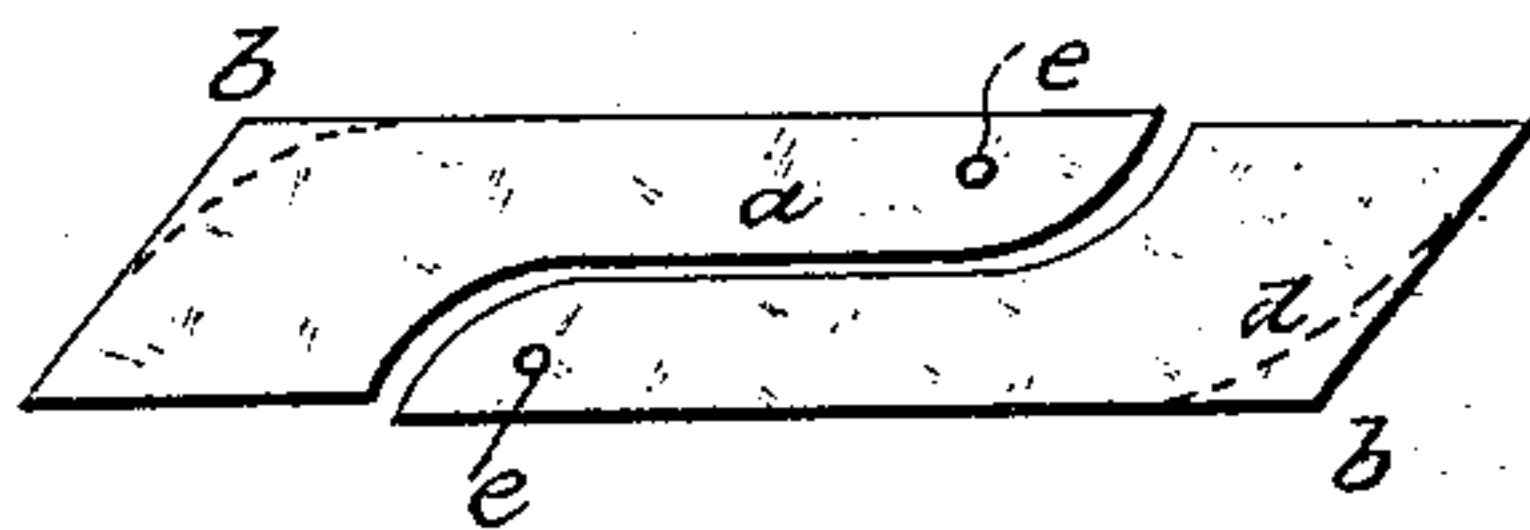


Fig. 3.

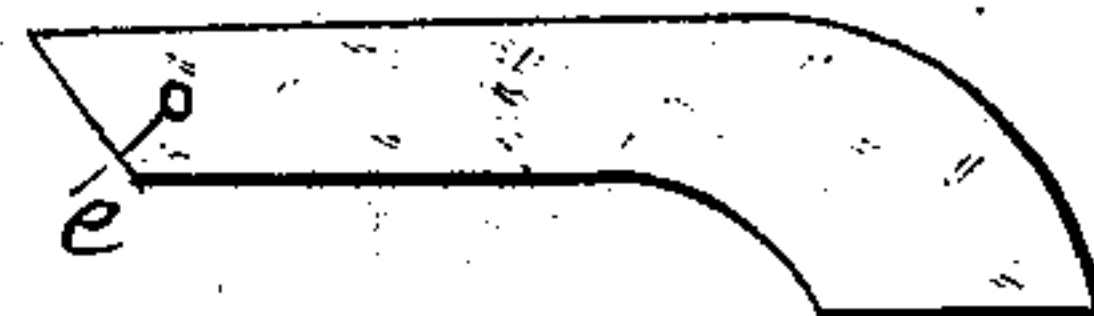


Fig. 4.



Witnesses;

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UNITED STATES PATENT OFFICE.

EDMUND D. REYNOLDS AND OLIVER B. REYNOLDS, OF BROCKTON, MASS.

METHOD OF MAKING HARROW-TEETH.

SPECIFICATION forming part of Letters Patent No. 246,558, dated August 30, 1881.

Application filed May 21, 1881. (No model.)

To all whom it may concern:

Be it known that we, EDMUND D. REYNOLDS and OLIVER B. REYNOLDS, of Brockton, in the State of Massachusetts, have invented certain Improvements in a Method of Making Harrow-Teeth; and we hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 illustrates a blank from which two blanks are to be cut. Fig. 2 shows the lines of incision necessary to make, from the blank shown in Fig. 1 after the corners *b* are removed, two blanks, as shown in Fig. 3. Fig. 3 shows a completed blank, and Fig. 4 illustrates a completed tooth.

Our invention relates to that class of harrow-teeth provided with a shank and a curvilinear cutting-blade in one piece, the cutting-blade being bent out of the plane of the shank; and the object of our invention is to produce the tooth in a cheap and convenient manner.

Our invention consists in first cutting the tooth-blank from a rhomboidal blank, said blank being divided by one cut on an ogee curve, forming two tooth-blanks, and then bending the larger end of the blank out of the plane of the shank and sharpening the cutting-edge.

In order that those skilled in the art may make and use our invention, we will proceed to describe the manner in which we have carried it out.

In the said drawings, Fig. 1 represents a rhomboidal sheet-metal blank from which teeth-blanks (see Fig. 2) are cut by dividing said blank, Fig. 1, on the ogee curve *a*, and cutting off the corners *b* on the curved lines *d*. At the same operation bolt-holes *e e* are punched, and we have a blank shaped as seen in Fig. 3, the outside curved line of which we sharpen into a cutting-edge, and the lower portion of which, *B*, is bent out of a plane with the shank-bars *D*, as seen in Fig. 4.

We are aware that heretofore various kinds of agricultural-implement irons and harrow-teeth have been cut from blanks so laid out as to form more than one tooth at a single cut; hence we make no broad claim to such manner of cutting; but,

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The improved method herein described of making irregularly-shaped harrow-teeth, consisting, essentially, in cutting the rhomboidal blank *A* on the ogee curve *a* and bending the portion *B* out of a plane with the shank *D*, as set forth.

EDMUND D. REYNOLDS.
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