(No Model.)

LAFAYETTE J. STANTON.

HARROW TOOTH.

No. 264,360. Patented Sept. 12, 1882.

Fig. 1.

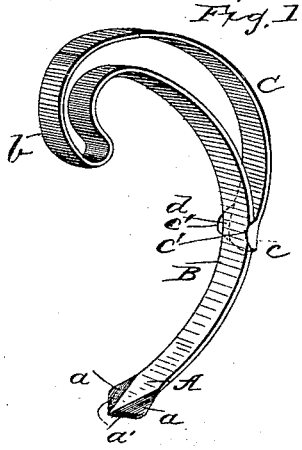
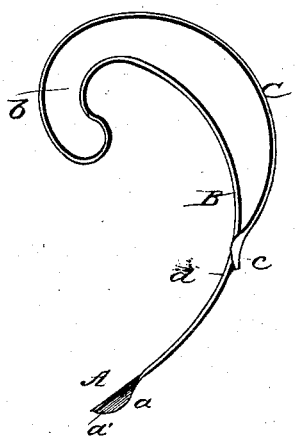


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

LAFAYETTE J. STANTON, OF MILLBROOK, MICHIGAN.

HARROW-TOOTH.

SPECIFICATION forming part of Letters Patent No. 264,360, dated September 12, 1882.

Application filed July 7, 1882. (No model.)

To all whom it may concern:

Be it known that I, LAFAYETTE J. STANTON, of Millbrook, in the county of Mecosta and State of Michigan, have invented certain new and useful Improvements in Harrow-Teeth; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved spring-tooth, and Fig. 2 is a side elevation of the same.

Similar letters of reference indicate corresponding parts in the figures.

My invention has relation to spring-teeth for harrows; and it consists in the improved construction of the same, as hereinafter more fully described and claimed.

My improved tooth, which is applicable to all classes of harrows using spring-teeth, is made from a single piece of spring-steel suitably tempered, one end of which is flattened out to form a rounded shovel-formed point, A, the sides *a a* of which are bent down and filed off to a sharp edge, *a'*, so as to readily cut and pulverize the soil. After bending the shank B of the tooth to its proper shape it is bent to form an eye or loop, *b*, and is then returned and bent to form a spring-support, C, for the shank B, the lower end, *c*, of the support bearing against the part or point *d* of shank B, where this is subject to the greatest strain, and therefore most liable to bend or snap, or to be gradually worked into a straight shape. The lower end, *c*, of the spring-support C is widened to form two flanges, *c' c'*, which clasp around spring B at the part *d* and prevent its slipping sidewise in meeting obstructions in the ground, and thus depriving it of its strengthening-support C.

It will be seen that the spring-support or shank-support C, shank B, and point A are all made in a single piece, the parts being integral and tempered to remain in their proper working position, as shown in the drawings. It is attached in any desired manner and by any suitable means to the tooth-bars of the harrow at its return part or loop *b*. A simple and effective mode of attachment is to clip the upper part of loop *b* to the under side of the tooth-bar by one or two clips.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The spring harrow-tooth B, provided with the spring-support C, having flanges *c' c'*, adapted to clasp the tooth, said tooth and support being made in one piece, as and for the purpose herein shown and specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

LAFAYETTE J. STANTON.

Witnesses:

FRANK DUMON,

CALVIN W. NOTTINGHAM.