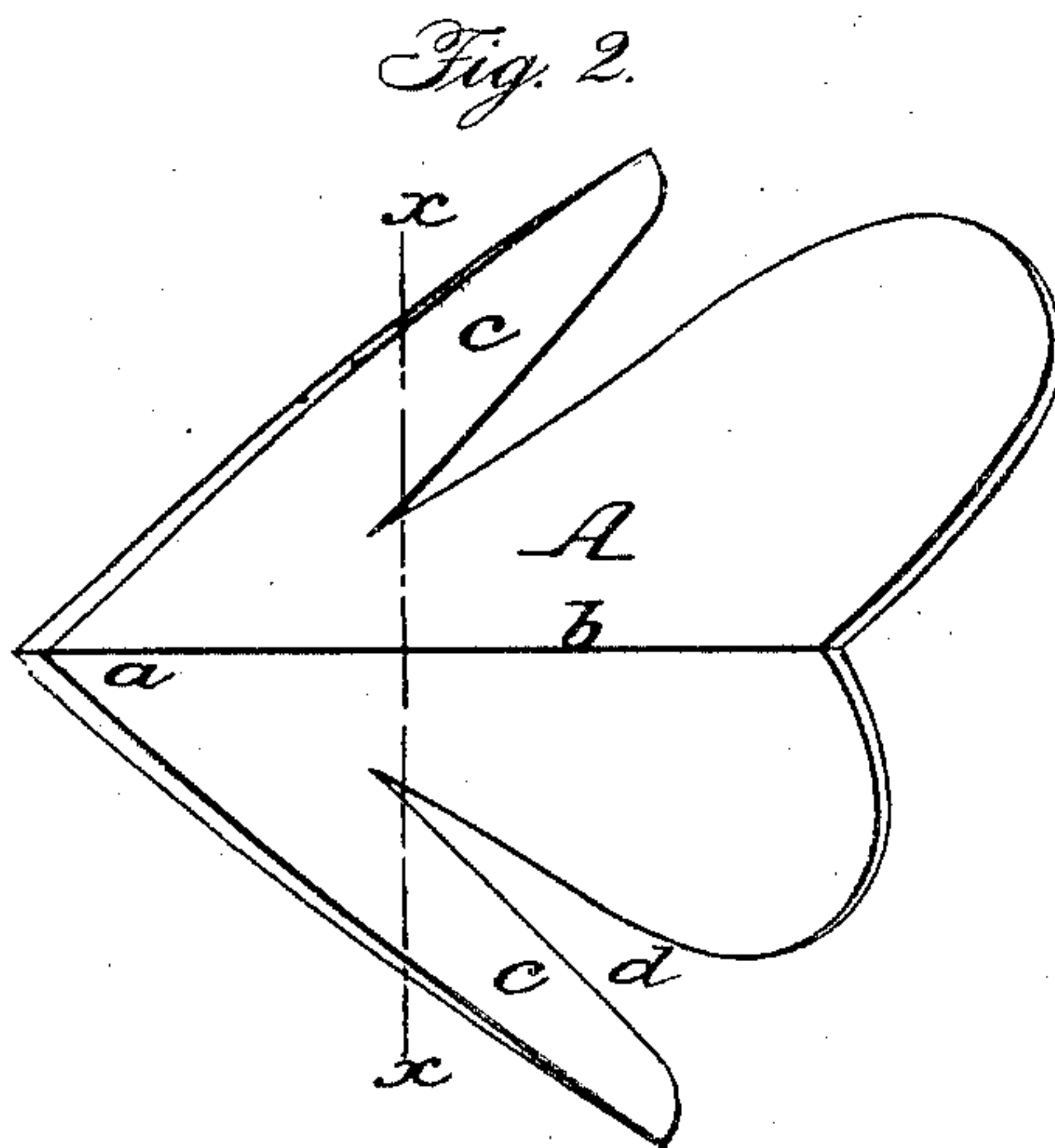
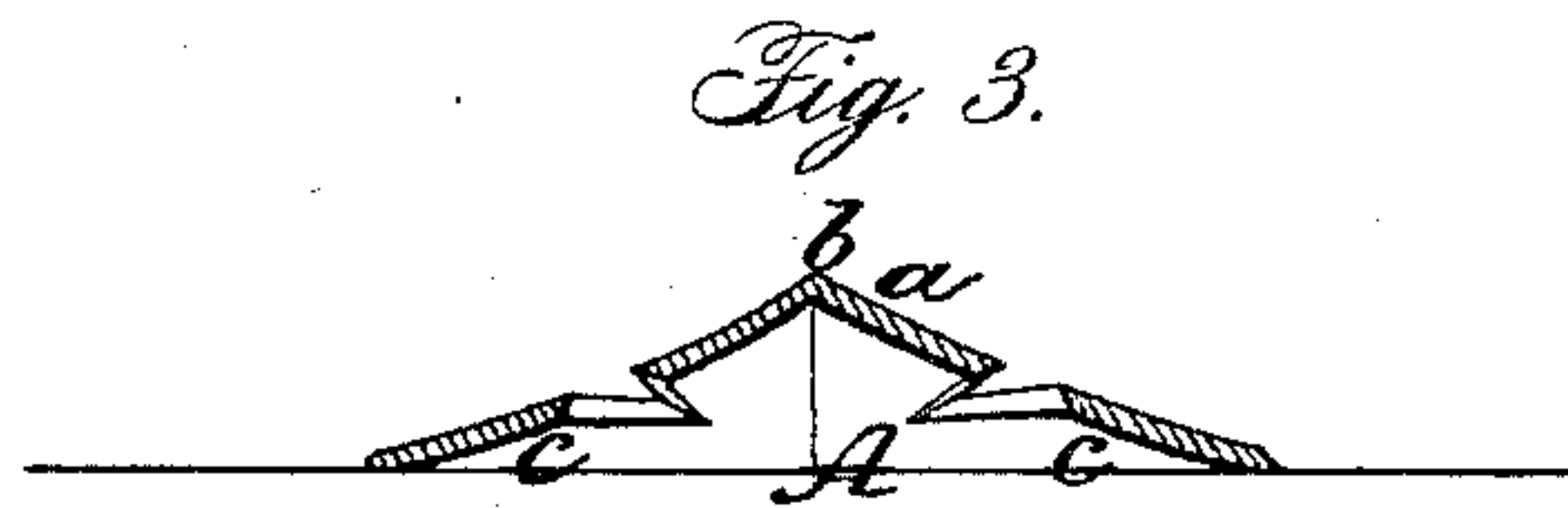
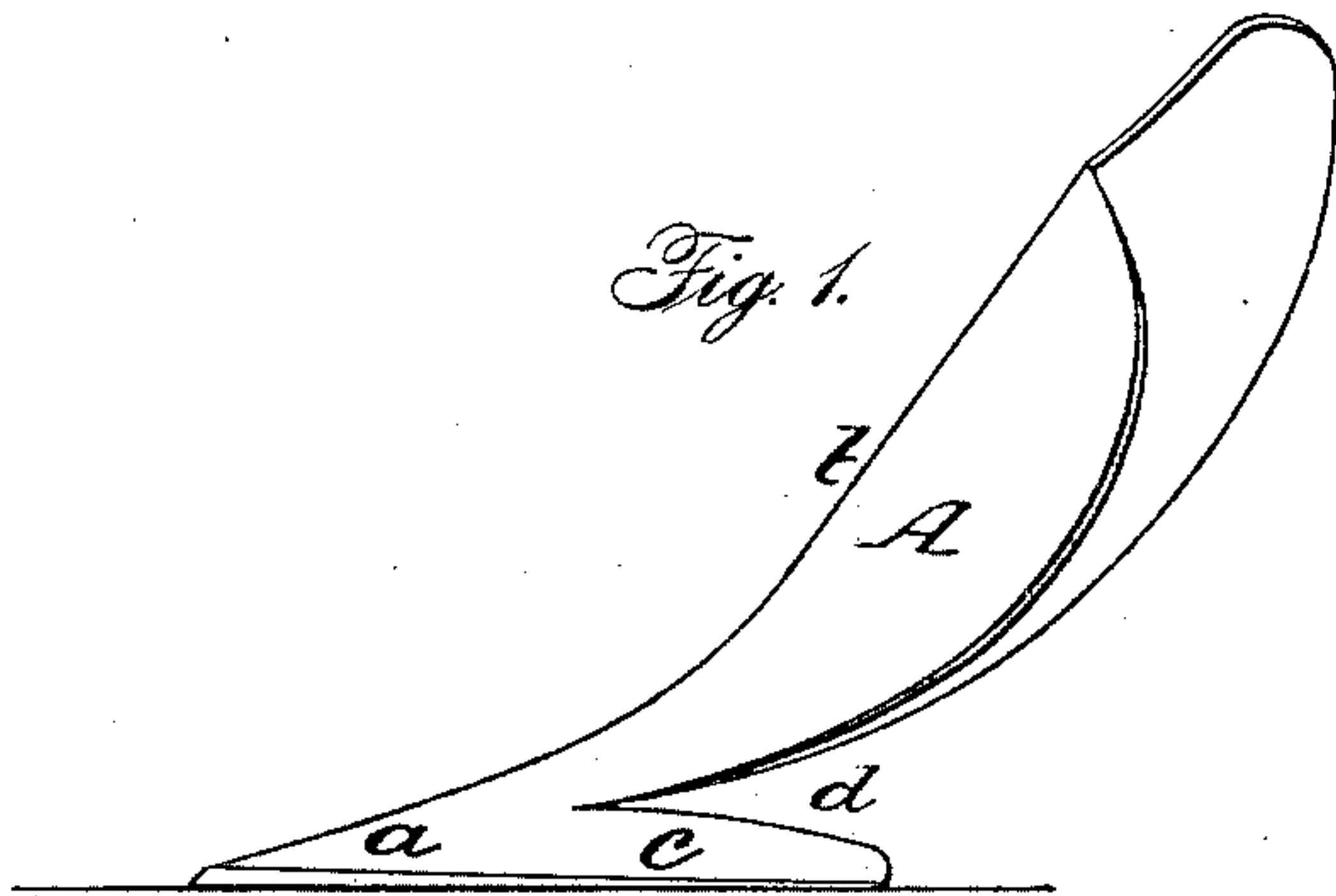


G. CUSTER.
Cultivator-Teeth.

No. 37,071.

Patented Dec. 2, 1862.



Witnesses:

J. W. Coombs.
G. W. Reed

Inventor:

George Custer.
per Munroe
Attys

UNITED STATES PATENT OFFICE.

GEORGE CUSTER, OF MONROE, MICHIGAN, ASSIGNOR TO HIMSELF, E. B. ROOT, AND JNO. J. STEVENS, OF SAME PLACE.

IMPROVED CULTIVATOR-TOOTH.

Specification forming part of Letters Patent No. 37,071, dated December 2, 1862.

To all whom it may concern:

Be it known that I, GEORGE CUSTER, of Monroe, in the county of Monroe and State of Michigan, have invented a new and Improved Cultivator-Tooth; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of my invention; Fig. 2, a plan or top view of the same; Fig. 3, a horizontal section of the same, taken in the line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in constructing a cultivator-tooth of rolled steel with a wing at each side, both formed from the same piece, as hereinafter fully shown and described, whereby a much superior tooth than usual is obtained, one that will run steadier in the soil, and pulverize the earth more perfectly.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents my improved tooth, which is constructed of a piece of rolled steel. The tooth is curved longitudinally, so as to form a share, *a*, at its lower part, and the tooth is bent transversely, so as to form a projecting angle, *b*, at its center extending its whole length. The tooth has a slit cut in each side of it extending toward the share *a*, and the pieces of metal

at the outer sides of these slits are bent downward, so as to form wings *c c*, which project obliquely outward at each side of the share *a*. The wings are bent downward, so as to be level with the share *a*, as shown clearly in Fig. 1, and they have in their transverse section an inclined position, as shown in Figs. 1 and 3. The wings *c c*, when bent down in proper position, leave a space, *d*, between them and the sides of the tooth, as shown in Figs. 1 and 2, and the wings extend back a considerable distance, so as to form a good bearing or support for the tooth as the latter passes through the soil. The tooth, in consequence of this arrangement of the wings, is made to run steady, and the earth is much better pulverized than by the old form of tooth.

I do not claim broadly the form of the tooth herein shown and described irrespective of the manner in which the same is constructed, for the latter feature is an essential element of the invention.

I claim therefore as new and desire to secure by Letters Patent, as an improved article of manufacture—

A cultivator-tooth provided with wings and all constructed of a piece of rolled steel in the manner herein set forth.

GEORGE CUSTER.

Witnesses:

GOUV. MORRIS,
NELSON DAVIS.