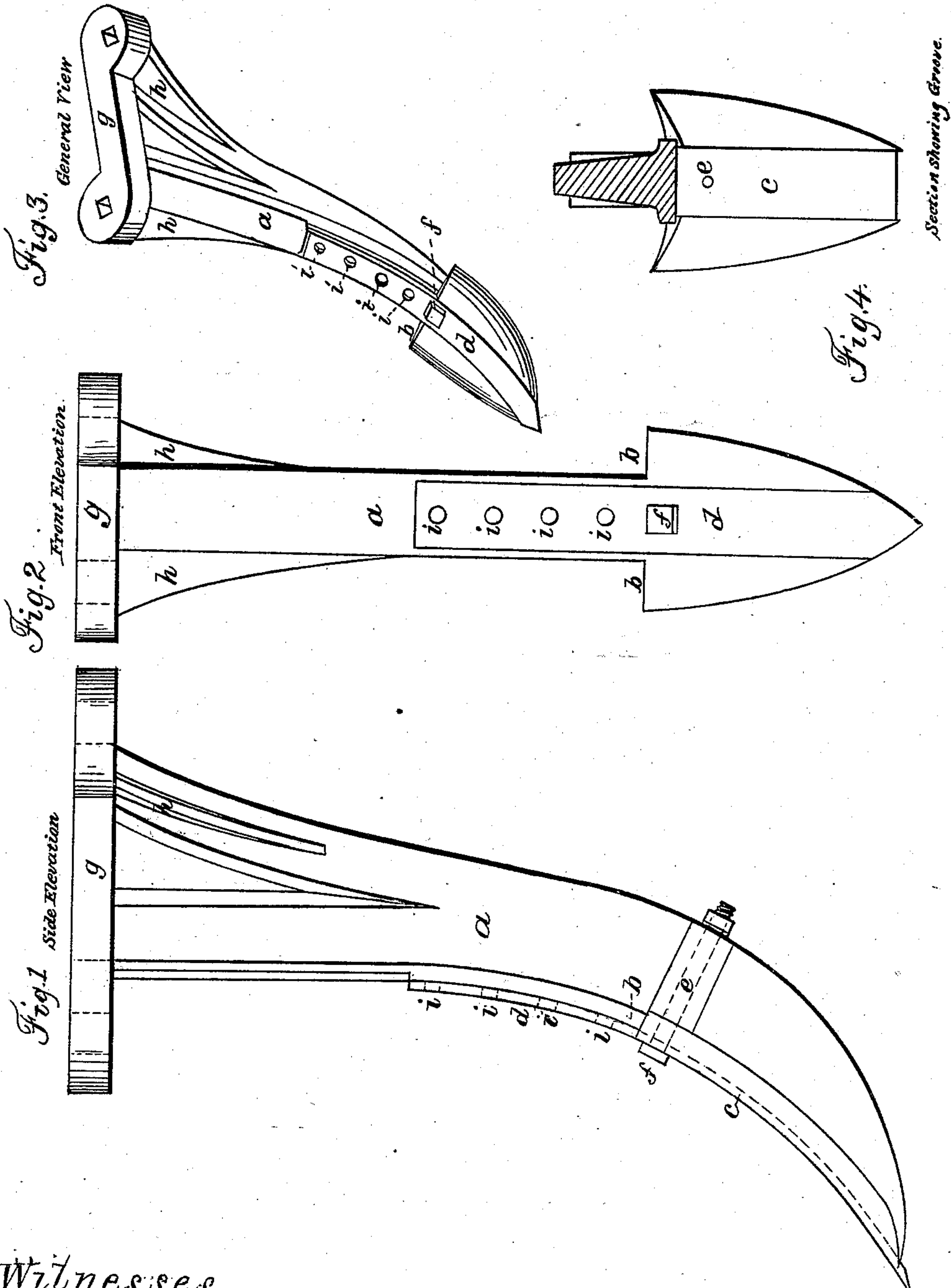


W. B. READY.
Cultivator.

No. 80,503.

Patented July 28, 1868.



Witnesses.
Calvin Brown
Frank E Brown

Inventor.
William B. Ready

United States Patent Office.

WILLIAM B. READY, OF SACRAMENTO, CALIFORNIA.

Letters Patent No. 80,503, dated July 28, 1868.

IMPROVEMENT IN CULTIVATOR-TEETH.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM B. READY, of Sacramento, in the county of Sacramento, in the State of California, have invented a new and improved Method of Constructing Cultivator-Teeth; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing cultivator-teeth with an adjustable tongue, of steel or iron, or any other proper material, in such a manner that the action of the point of the said tongue may be continued until a large portion of its material is consumed in its service, thereby inducing great economy in its use.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 is a side elevation of the tooth,

Figure 2 a front elevation, and

Figure 3 a sketch in perspective, giving a general view of the same.

Figure 4, a section, showing groove, &c.

The stock *a*, or support of the adjustable tongue *d*, may be made of cast or wrought iron. It is provided with a groove, *c*, of proper width and depth to admit the tongue *d*, which groove extends from the shoulder *b* to the lower part of the stock. The face of the stock *a* is formed with a curve, with which the tongue *d* concentrically corresponds, thus giving to the latter a solid bearing, whether it be raised or lowered. The stock *a* has also a hole, *e*, cast through it, for the admission of the bolt *f*, which holds the tongue *d* to its place. In other respects, the stock *a* is constructed like ordinary cultivator-teeth, and is provided with flanges, *g g*, for attaching it to a frame, and with braces, *h h*, to give it strength and stiffness.

The tongue *d* is made of suitable material, steel, of course, being usually adopted, and formed in a shape concentric with the curve of the groove *c* and the portion of the shank of the stock *a* immediately above it, so that, throughout its whole extent, it shall have a solid bearing. It is fitted to the groove *c*, whose sides are parallel, thus freely admitting of its being raised or lowered, while the sides of the groove hold it firmly against all lateral motion. Its lower end is properly pointed for use, and its upper portion pierced with holes, *i i i i*, or with slots, for the admission of the bolt *f*, by which it is firmly held, the several holes or slots also being the means of adjustment to the point of the tongue when occasion requires, or when it becomes worn away, which adjustment is effected by changing the bolt *f* to any desired hole in the tongue.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The groove *c* in stock *a*, as a seat for an adjustable point for a cultivator-tooth.
2. The movable tongue *d*, pierced with holes or slots *i i i i*, forming an adjustable point of a cultivator-tooth.
3. The combination of the grooved stock or support *a* with the adjustable tongue *d*, for the purposes of a cultivator-tooth, substantially as above described.

WILLIAM B. READY.

Witnesses:

CALVIN BROWN,
FRANK E. BROWN.