F. B. BAKER.

SPRING TOOTH ADJUSTER.

APPLICATION FILED JUNE 3, 1911.

1,031,162. Patented July 2, 1912.

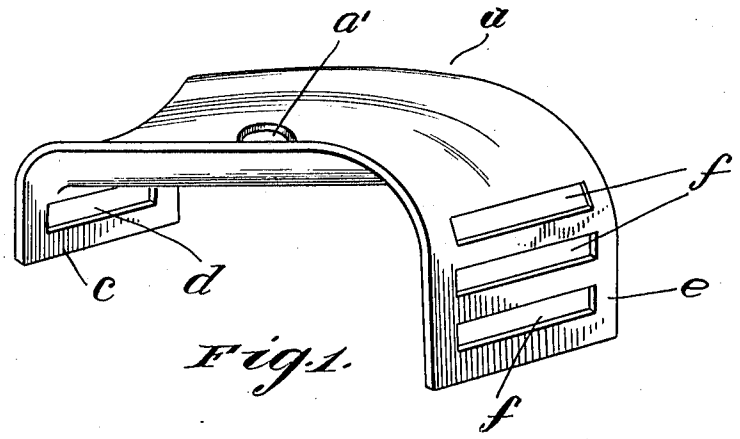

Fig. 1.

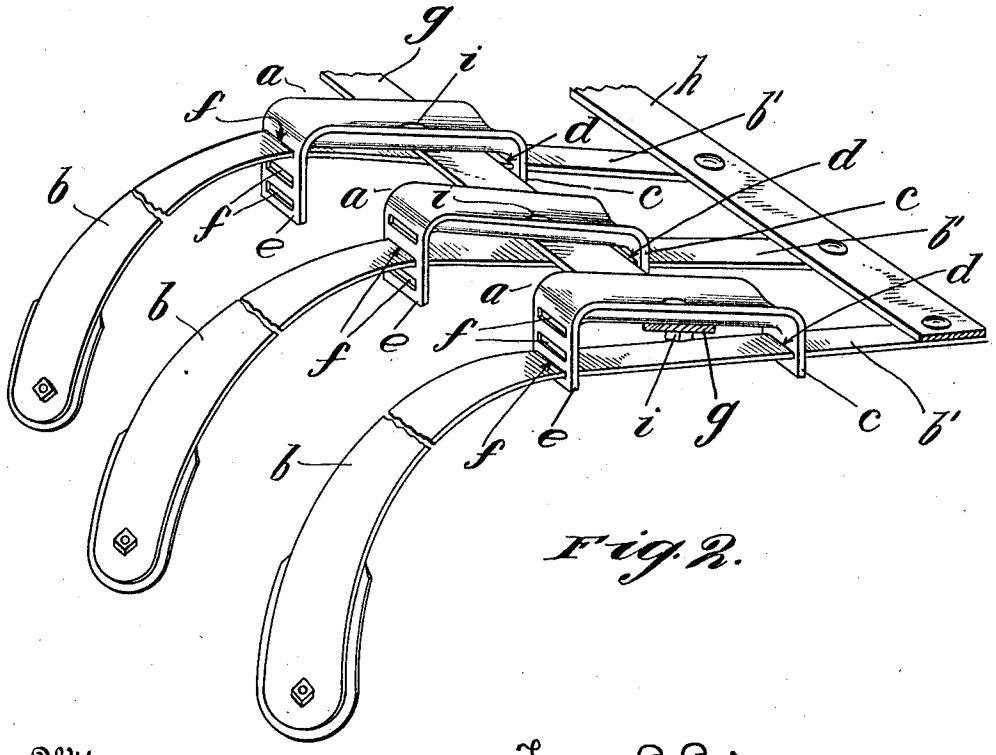

Fig. 2.

Witnesses:
M. Reimer.
M. Hamilton.

Inventor
Turner B. Baker
By his Attorney
James Hamilton

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FENNER B. BAKER, OF LITTLE ROCK, ARKANSAS.

SPRING-TOOTH ADJUSTER.

1,031,162. Specification of Letters Patent. Patented July 2, 1912.

Application filed June 3, 1911. Serial No. 631,101.

To all whom it may concern:

Be it known that I, FENNER B. BAKER, a citizen of the United States, residing at Little Rock, in the county of Pulaski and State of Arkansas, have invented certain new and useful Improvements in Spring-Tooth Adjusters, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to improvements in cultivators in which a plurality of spring-teeth are used for the purpose of turning the soil and particularly to improvements in the devices for carrying the spring-teeth; and an object of this invention is to provide a simple device for carrying the spring-tooth and one which will permit the ready adjustment of the latter to procure an even depth of cultivation.

Another object of this invention is to provide a spring-tooth adjuster of the character just mentioned which will support the spring-tooth and render its breakage less likely to occur.

In the drawings illustrating the principle of this invention and the best mode now known to me of applying that principle, Figure 1 is a perspective view of my new spring-tooth adjuster; and Fig. 2 is a perspective view of so much of a cultivator as is necessary to illustrate my invention, the cultivator being shown equipped with my new spring-tooth adjuster.

The clip or adjuster *a* which carries the rear part of the spring-tooth *b* has somewhat the appearance of an inverted U and at its front end is formed with a downwardly-extending flange *c* having a transverse slot *d* and at its rear end with a downwardly-extending flange *e* in which are formed a series of parallel transverse slots *f*. The body of the clip *a* is formed with a hole *a'*.

The cultivator is provided with suitable parts to which the clips *a* and the front ends of the shanks *b'* of the spring-teeth *b* are fastened. In the drawings (Fig. 2) I have shown these parts as the pair of ordinary parallel bars *g*, *h*; and, since the manner in which these parallel bars are connected with and arranged relatively to the other parts of a cultivator is well understood by persons skilled in this art, such connection and relative arrangement is not shown in the drawings and will not be further alluded to herein. The shank *b'* of each spring-tooth is passed through one of the transverse slots *f* in the flange *e* and thence through the transverse slot *d* in the flange *c* and the front end of the shank *b'* is suitably fastened to the bar *h*. The clip itself is fastened to the other bar *g* by means of a screw-bolt *i*, for example, passing through the hole *a'*.

The series of slots *f* affords a ready means of varying the position of the working end of the blade or spring-tooth carried by the clip; and the latter stiffens and thereby strengthens the structure as a whole renders the tooth or blade *b* less liable to rupture.

I claim:

In a cultivator, the combination of the tooth-supporting bars; a tooth one end of which is pivotally fastened to one of said bars; and a substantially U-shaped clip straddling and pivotally fastened only to the other of said bars and having a pair of flanges, one at each of its ends; one of said flanges being formed with a plurality of transverse slots, one above the other, and the other of said flanges being formed with a transverse slot; the shank of the tooth being slipped through a slot in each of said flanges.

In testimony whereof I hereunto set my hand at Little Rock, Arkansas, this twenty-ninth day of May A. D. 1911, in the presence of the two undersigned witnesses:

FENNER B. BAKER.

Witnesses:
J. H. CARMICHAEL,
W. F. CONDRAY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."