

C. P. HEWETT.

YIELDING TEETH FOR SEEDERS AND CULTIVATORS.

No. 171,566.

Patented Dec. 28, 1875.

Fig. 1.

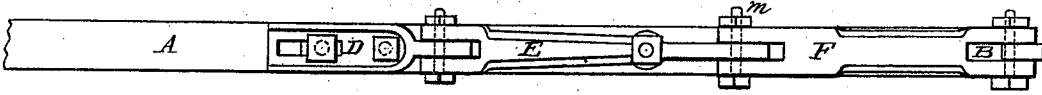
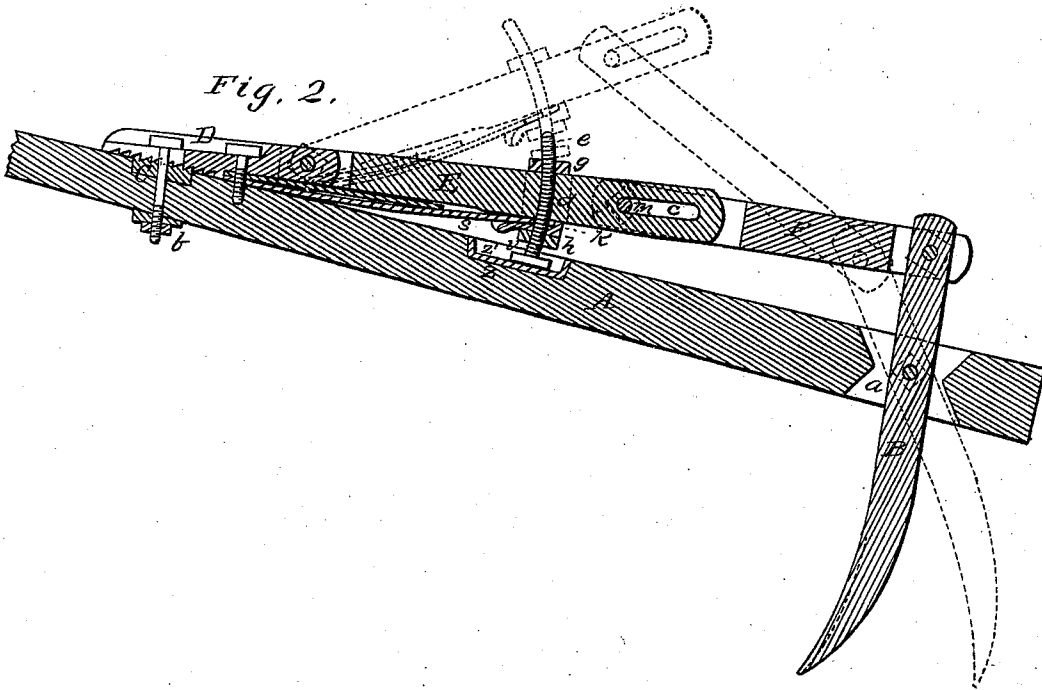


Fig. 2.



WITNESSES

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IMPROVEMENT IN YIELDING TEETH FOR SEEDERS AND CULTIVATORS.

Specification forming part of Letters Patent No. **171,566**, dated December 23, 1875; application filed June 26, 1875.

To all whom it may concern:

Be it known that I, CORYDON P. HEWETT, of Kingston, in the county of Green Lake and State of Wisconsin, have invented a new and valuable Improvement in Yielding Teeth for Seeders and Cultivators; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my tooth, and Fig. 2 is a longitudinal vertical sectional view of the same.

This invention has relation to improvements in yielding teeth for seeders, cultivators, and other like machines; and it consists in the construction and novel arrangement of the slotted or sliding joint, whereby the spring-arm is attached to the arm which is pivoted to the standard, the set-screw, and its two adjusting-nuts, to enable the screw to be adjusted without being turned, and the recessed or depressed bearing-plate for engagement with the head of the adjustable set-screw, whereby the set of the lock is regulated.

In the accompanying drawings, the letter A designates the beam, to which is pivoted, in a slot, *a*, which is large enough to permit a sufficient vibration, the standard B. C designates a corrugated or serrated plate, which is let into beam A, and is designed to engage with the teeth or corrugations on the under side of plate D, which is slotted and provided with a clamping-bolt, *b*, which passes through the beam and plate C, and serves to secure the adjustment of the plate D, regulating the pitch of the standard B through the medium of the pivoted arm of said standard and the spring-arm. E designates said spring-arm. This is pivoted to the plate D at its forward end, and at its rear end is slotted at *c*. It is also provided in its middle portion with a vertical aperture, *d*, through which is passed the screw-bolt *e*, whereby the set of the trip-lock is regulated, said bolt being adjusted by means of two nuts, *g* and *h*, one above and the other below the beam. Below the spring-

arm, and upon the screw-bolt *e*, is secured an anti-friction plate, *k*, which may be flanged on each side, and which receives the free end of the spring *s*, which is secured to the beam by the plate D. F represents the toggle-arm, which is pivoted to the upper end of the standard B. The other end of this toggle-arm is bifurcated or otherwise constructed to admit of a sliding connection with the slotted end of the spring-arm. The arms E and F are connected by a bolt, *m*, which passes through the slot *c* of the spring-arm. On or in the beam A is secured a plate, *z*, upon which the head *v* of the screw-bolt *e* presses when the arms E and F are nearest an alignment, or in position to resist the ordinary pressure of the soil against the blade of the standard. This position or set of the trip-lock may be adjusted by the screw-bolt *e* to yield with greater or less difficulty, according to the requirement of the work. The slide connection of the toggle-arms E and F enables the standard to assume a position more inclined than its working position when the machine is moved to the rear. The anvil *z* is provided with flanges or side guards *z'*, which engage with the sides of the bolt-head *v* and assist to prevent lateral deflection.

The present invention is an improvement upon that set forth in Letters Patent No. 158,081 granted to me, and dated December 22, 1874.

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

1. The spring-arm E and toggle-arm F, having a sliding pivoted connection, and adapted to be pivoted, respectively, to the beam-plate and standard, substantially as specified.

2. The combination, with the foregoing-described sliding pivoted arms E F, of the screw-bolt *e* and double nuts, one above and the other below the arm E, as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CORYDON P. HEWETT.

Witnesses:

J. P. WOODWARD,
W. B. WOODWARD.