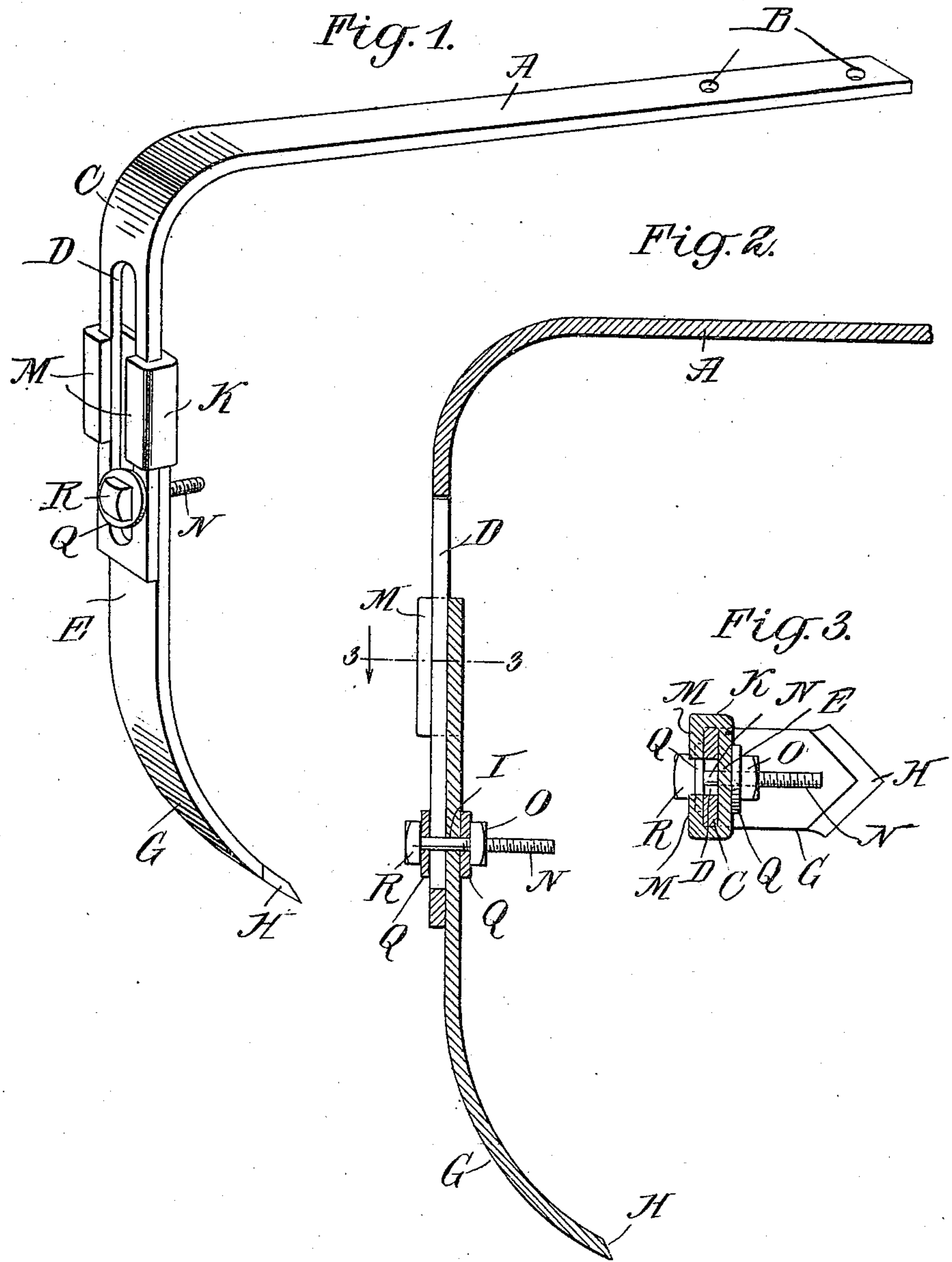


964,384.

A. BRIGDEN.
ADJUSTABLE HARROW TOOTH.
APPLICATION FILED NOV. 13, 1909.

Patented July 12, 1910.



WITNESSES
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UNITED STATES PATENT OFFICE.

ARTHUR BRIGDEN, OF ALBERTVILLE, ALABAMA.

ADJUSTABLE HARROW-TOOTH.

964,384.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed November 13, 1909. Serial No. 527,795.

To all whom it may concern:

Be it known that I, ARTHUR BRIGDEN, a citizen of the United States, and a resident of Albertville, in the county of Marshall and State of Alabama, have made certain new and useful Improvements in Adjustable Harrow-Teeth, of which the following is a specification.

My invention is an improvement in adjustable harrow teeth, and consists in certain novel constructions, and combinations of parts hereinafter described and claimed.

The object of the invention is to provide a tooth of the character specified, which may be lengthened or shortened to suit conditions, and which when adjusted will be held firmly in position, without the possibility of longitudinal or lateral movements of the parts with respect to each other.

Referring to the drawings forming a part thereof, Figure 1 is a perspective view of the improvement, Fig. 2 is a longitudinal section, and Fig. 3 is a section on the line 3—3 of Fig. 2.

The embodiment of the invention shown in the drawings, comprises a shank portion, and a blade portion, and the blade portion is adjustable on the shank portion, the said shank portion being adapted to be secured to the usual harrow or cultivator frame, the tooth being equally well adapted for either implement.

The shank is composed of a body A, which is provided at one end with spaced openings B, whereby it may be secured to the frame, and at the other end with an angular portion C, which is provided with a longitudinal slot D. The blade E is curved at its lower end as at G, and provided with a point H, and slightly above its longitudinal center has an opening I. At the opposite end from the point the blade is provided with lateral flanges K, which are bent over at their extremities parallel with the body of the blade as at M.

The overlying portions M of the flanges are spaced apart from the body of the blade sufficiently to permit the passage of the angular portion C of the shank, and the said

portions embrace the shank closely, but permit the parts to slide upon each other.

The opening I of the blade is adapted to register with the slot D of the angular portion of the shank, and a bolt N is passed through the opening and the slot, and is engaged by a nut O, on the opposite side. Washers Q are arranged between the head R of the bolt, and the nut O.

It will be evident from the description, that when the nut O is loosened, the blade E may be moved longitudinally with respect to the angular portion of the shank, and that it will be retained in alinement therewith by the flanges and the bolt. When the parts are properly adjusted, the nut is tightened, and the said parts are firmly held together.

No lateral movement is possible when the bolt is tightened, and longitudinal movement is also prevented. By removing the bolt, the blade may be drawn off from the angular portion of the shank, and entirely removed, for sharpening or any other purpose.

It will be evident that the improved tooth consists of two sections, having their ends superposed, the end of one section having a guideway in which the other section moves, and means for clamping the sections together.

I claim—

A tooth of the character specified, comprising a shank and a blade, the blade having at the end remote from the point, flanges extending in the same direction, the extremities of the flanges being bent inwardly parallel with the adjacent end of the blade to form a sleeve through which the adjacent end of the shank slides, said end of the shank being longitudinally slotted, and the blade having an opening registering with the slot, and a bolt passing through the slot in the opening for securing the parts together in adjusted position.

ARTHUR BRIGDEN.

Witnesses:

B. J. GANN,
BEN GANN.