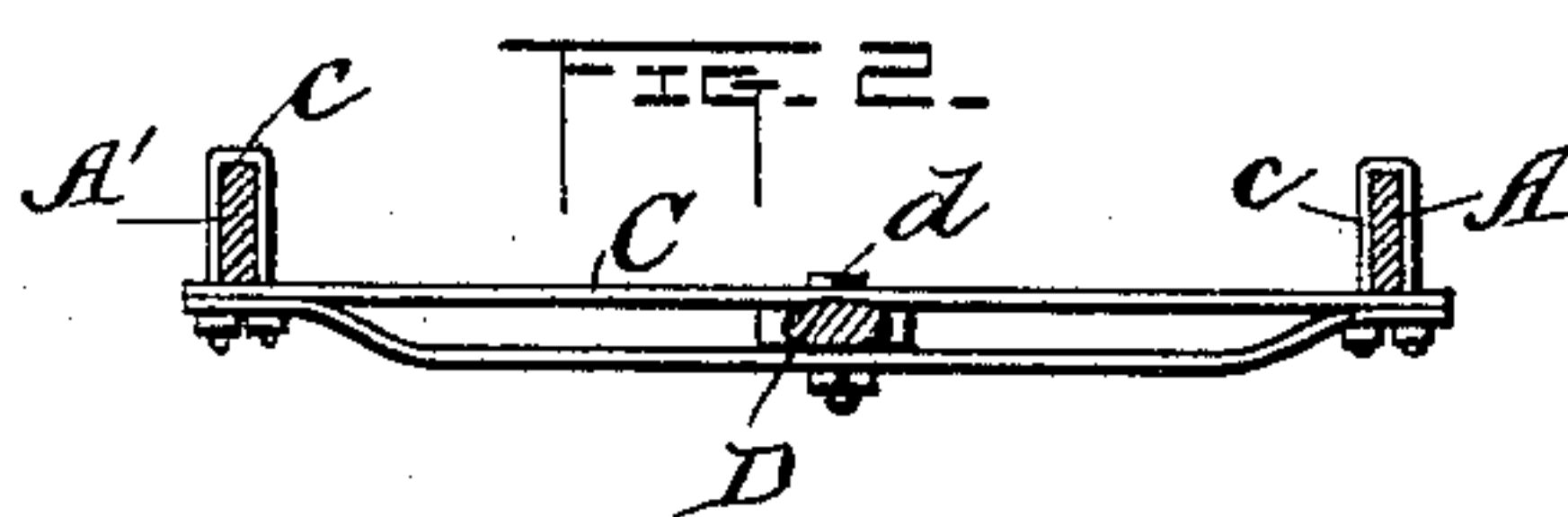
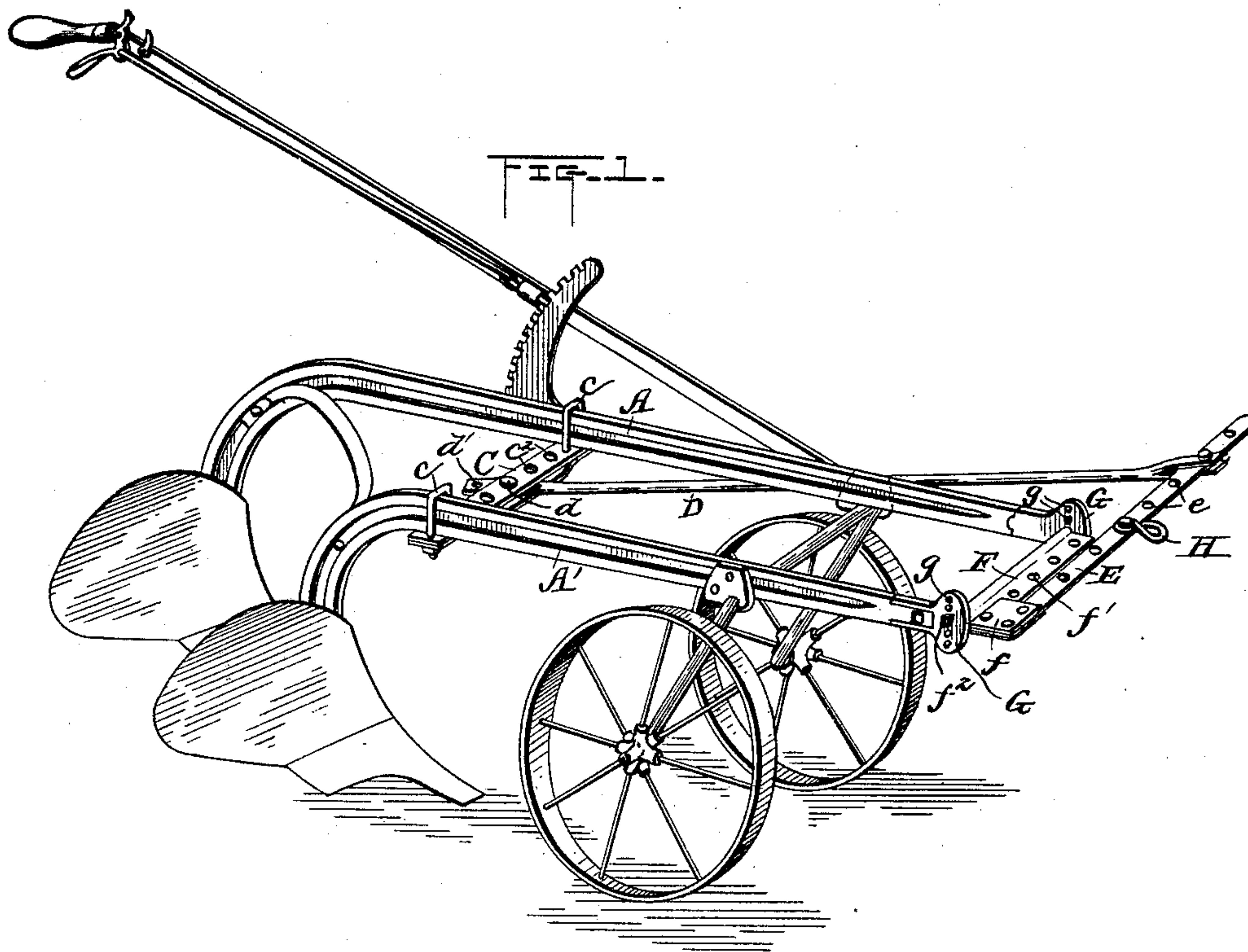


(No Model.)

J. A. KENNEY.
PLOW EVENER.

No. 437,032.

Patented Sept. 23, 1890.



Witness:
Gloverance
W. J. Barden.

Witness:
James A. Kenney,
By L. Deane,
his Attorney.

UNITED STATES PATENT OFFICE.

JAMES A. KENNEY, OF WESTPORT, SOUTH DAKOTA.

PLOW-EVENER.

SPECIFICATION forming part of Letters Patent No. 437,032, dated September 23, 1890.

Application filed May 31, 1890. Serial No. 353,734. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. KENNEY, a citizen of the United States, residing at Westport, in the county of Brown and State of South Dakota, have invented certain new and useful Improvements in Plow-Eveners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

In the drawings, as shown, Figure 1 is a perspective view of this invention. Fig. 2 is a detail in front elevation, showing the lever attachment to the cross-bar.

This invention belongs to the general class known as "eveners" or "draft-equalizers," and more particularly to that sub-class thereof adapted for use on plows and like devices. In the present case, however, the invention is more especially designed for use on gang-plows.

The novelty in this invention consists in the construction of the several parts and in their adaptation for use and in their combination with each other, all as will be now more fully set out and explained and embodied in the claims, reference being had to the accompanying drawings.

In the drawings, A A' represent the beams of two plows, it not being necessary for present purposes to show more of the plow structure. These are arranged parallel to each other and at a suitable distance apart. They are secured together by the diagonal brace *a*, attached to each near the bend of the beams. Between this brace and the usual wheels B is a cross-piece C, secured to each beam by a clip *c*, so as to be at right angles therewith. This clip is slotted at *c'* for the insertion of the lever D, which lever is movable to or fro in the slot and held at any convenient point therein by a pin *d*, which passes through any one of the holes *d'* in this end of the lever and any of the registering holes *c''* in the cross-piece, according as it may be desired, to fix the end of the lever in place. This lever, having several of these holes *d'*, is adapted to be fastened so as to have a longer or shorter radius, as may be desired, for different uses of the device. The front end of the lever is secured to any desired one

of the holes *e* in the draft-bar E, which is in front of the plow-beams. It is secured to the horizontal piece F by a clip *f*, and this can be moved horizontally to and fro and fixed in any desired one of the holes *f'* in said piece. Thus this draft-bar can be put in any desired position horizontally. It can be adjusted vertically by putting the ends of its rods *f''* in higher or lower holes *g* of the pieces G, each of which is vertically fastened in or to the ends of the beams. The advantages of this construction are that the draft-beam can be fixed in any position vertically or horizontally that may be desired. Thus the clevis H, to which the whiffletrees are secured, can be fixed in any desired position. More particularly is this easy to be done, as this clevis is designed to be fixed in any of the holes *e* in the draft-bar.

My invention can be used with two, three, or four beam-plows drawn by two, three, four, five, or six horses. The parts other than the plow-beam are made of metal and can be produced at a small expense, while in the combination described they are strong and very durable.

This invention is one of large value in its use with gang-plows.

What I claim is—

1. In combination with the cross-piece C, secured to the plow-beams, as described, and perforated and slotted, as set forth, and the lever D, having holes *d'* in one end, the horizontal draft-bar E, having holes *e*, and the vertically-adjustable horizontal piece F, substantially as and for the purposes set forth.

2. In a plow-evenner, the combination, with the bar E, having the clevis attached to it, and the piece F, vertically adjustable on the ends of the plow-beam and to which said bar is secured, of the lever D, adjustably secured at one end to said bar and at the other adjustably secured to the perforated cross-piece C, which is suitably secured to the plow-beams, substantially as and for the purposes set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES A. KENNEY.

Witnesses:

OLIVER SWIFT,
C. B. SHOUSE.