

L. RACINE.
 PLOW BEAM.

APPLICATION FILED SEPT. 5, 1913.

1,106,582.

Patented Aug. 11, 1914.

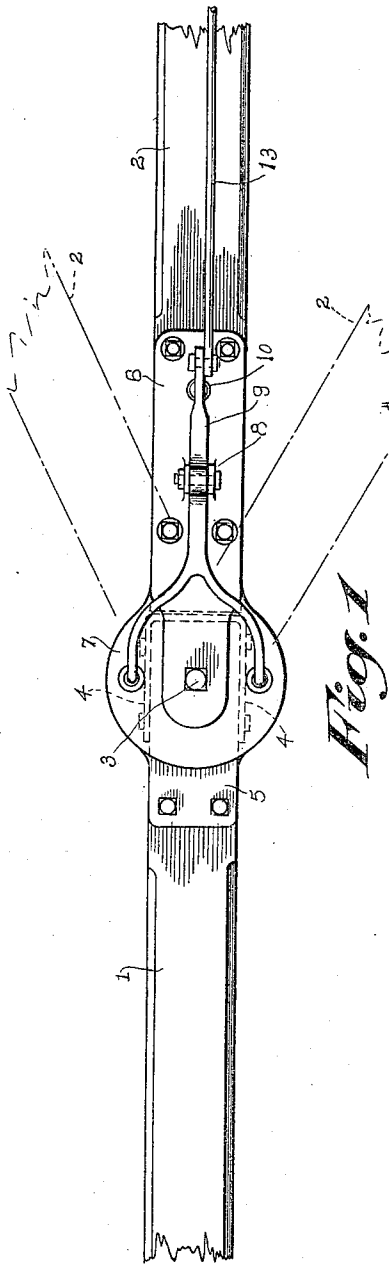


Fig. 1

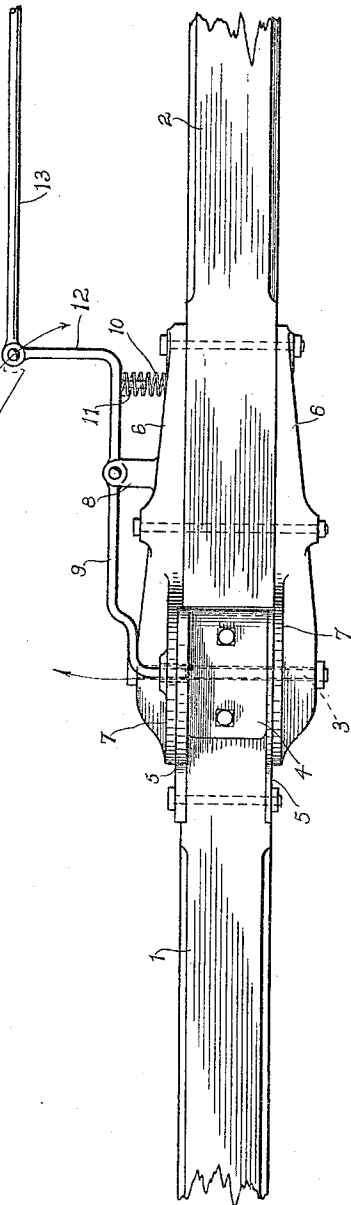


Fig. 2

Witnesses:

L. H. Gawwin
A. Bastien

LOUIS RACINE

Inventor

By

Marion Marion

Attorneys

UNITED STATES PATENT OFFICE.

LOUIS RACINE, OF ST. GEDEON DE BEAUCE, QUEBEC, CANADA.

PLOW-BEAM.

1,106,582.

Specification of Letters Patent.

Patented Aug. 11, 1914.

Application filed September 5, 1913. Serial No. 788,192.

To all whom it may concern:

Be it known that I, LOUIS RACINE, a subject of the King of Great Britain, residing at St. Gedeon de Beauce, Province of Quebec, Canada, have invented certain new and useful Improvements in Plow-Beams; and I do hereby declare that the following is 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.

The invention to be hereinafter described relates to plow beams.

In order to more clearly disclose the construction, operation, and use of the invention, reference should be had to the accompanying drawings forming part of the present application.

Throughout the several figures of the drawings like reference characters designate the same parts.

In the drawings: Figure 1 is a top plan view of the invention; and Fig. 2 is a side elevation of the same.

The main objects of the invention are to provide a simple, efficient, economical, durable, and compact jointed plow beam which will permit short turning at the end of a furrow, when plowing.

Referring to the drawings in detail, 1 indicates a front and 2 a rear beam section. The rear end of the front section is perforated vertically to receive a pivot bolt 3 and is inclosed within a U shaped metal socket 4 which is formed with upper and lower enlarged circular disks 5 which are centrally perforated to be alined with the perforation of the beam and receive the pivot bolt. It is not necessary, of course, to have the disks 5 integral with socket 4 and they, as well as the socket, may be secured to the beam end in any manner desired. To the upper and lower face of the front end of the rear beam section are securely bolted two sleeve plates 6 each provided with a circular disk 7 similar to disk 5 and adapted to be superposed thereon. These disks are also provided with a central perforation to be alined with the perforations of disks 5 and beam section 1, as previously disclosed.

In addition to the central perforations for the pivot bolt, each of the upper disks 5 and 7 is provided with two diametrically opposite perforations, one at each side of the

pivot bolt perforation, the perforations of the two disks being adapted to be alined only when the beam sections 1 and 2 are alined or extending in a straight forward direction. Fulcrumed in ears 8 of the upper plate 6 is a forked lever 9 the forward ends of which are adapted to be passed through the alined perforations in the disks 5 and 7 to lock the beam sections in alinement. This lever is held in operative position by means of a small coil spring 10 interposed between its rear end and the upper plate 6 and held in position by a guide pin 11 extending downwardly from the lever. The rear part of the lever is offset as at 12 and is pivotally connected to the forward end of a pull rod 13 which is extended rearwardly along the plow beam to the plow handles. Thus, by a simple pull on the pull rod 13, the fork of lever 9 may be raised and the front beam section 1 will be free to swing on its pivot bolt.

It is thought that the construction, operation, and use of the invention will be clear from the preceding detailed description.

Changes may be made in the construction, arrangement, and disposition of the several parts of the invention without in any way departing from the field and scope of the same, and it is meant to include all such within this application wherein only a preferred form has been disclosed.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:

In combination, a front plow beam section and a rear plow beam section, circular plates of disks secured to the upper and lower faces of the rear end of the front section and both provided with a central opening, the upper plate being also provided with perforations on opposite sides of the longitudinal center of the front section, plates secured to the upper and lower faces of the front end of the rear section and each having a centrally perforated disk similar to the disks of the front section and adapted to be superposed therein, the upper disk or plate being provided with perforations on opposite sides of the longitudinal center of the rear section and adapted to be alined with the corresponding perforations of the upper disk of the front section when the two beam sections are alined, a pivot bolt passed

through the central perforations of all of
said disks and through the rear end of the
front section, and a pivotally mounted lock-
ing lever provided with forked ends adapted
5 to be seated in both sets of alined perfora-
tions of the two upper disks when the plow
beam sections are in alinement.

In witness whereof I have hereunto set
my hand in the presence of two witnesses.

LOUIS RACINE.

Witnesses:

GEORGE BEAUDOIN,
B. BERGMAN.

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