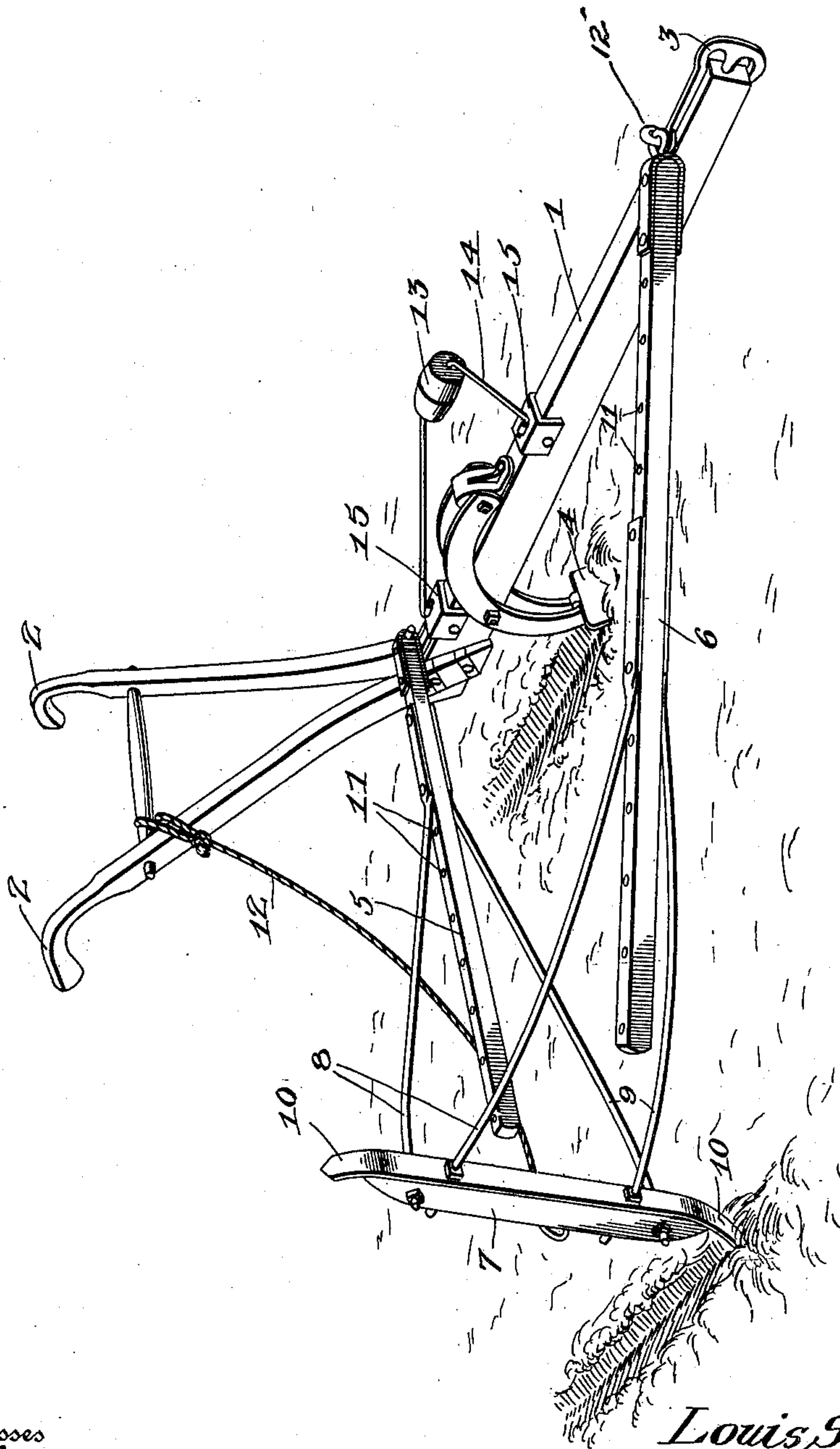


990,740.

L. S. HORTON.
ROW GAGE FOR PLOWS.
APPLICATION FILED AUG. 30, 1910.

Patented Apr. 25, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

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ROW-GAGE FOR PLOWS.

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Specification of Letters Patent.

Patented Apr. 25, 1911.

Application filed August 30, 1910. Serial No. 579,741.

To all whom it may concern:

Be it known that I, LOUIS S. HORTON, citizen of the United States, residing at Fairview, in the county of Dallas and State of Arkansas, have invented certain new and useful Improvements in Row-Gages for Plows, of which the following is a specification.

This invention relates to row gages for plows, and its main object is to provide a gage attachment of simple but effective construction capable of use on either side of the plow, and adapted to be readily adjusted to mark rows of different width.

A further object of this invention is to provide a weight secured to the plow beam and coöperating with the gage, said weight being so connected to the plow-beam as to permit the weight to be quickly shifted from one side of the beam to the other.

A still further object of the invention is to provide connections between the marker and gage beams that possess more or less resiliency and thus insure an easy and yielding travel of the marker over the ground.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawing constituting a part of this specification, and its features of novelty will be set forth and defined in the appended claims.

The drawing shows a view in perspective of a plow equipped with my improved row gage.

The reference numeral 1 designates the plow-beam having the usual handles 2 and draft clevis 3, and carrying a plow 4 of any suitable form.

Two gage-beams 5 and 6 are pivotally secured to the beam 1, said beams 5 and 6 converging at their outer ends and being securely braced to a marker 7 by metal brace rods 8 and 9, the two rods 8 being bolted to the upper end of the marker 7. The rods 9 are securely bolted to the under sides of the beams and secured to the marker near the lower end of the latter.

As shown the inner end portions of the brace rods 8 and 9 are flattened to adapt them to fit upon the surfaces of the beams, and said rods are preferably constructed of slightly resilient metal to permit the marker to easily ride over obstructions. The outer ends of the brace rods extend through the marker

and are secured by nuts or other suitable means.

Each end of the marker bar is provided with a rearwardly curved shoe or plow which prevents the marker from digging too deeply into the soil.

The distance between rows is regulated by the adjustability of the braces upon the beams 5 and 6, the latter being each formed with a series of bolt-holes 11, for this purpose.

The rope 12 attached at one end to the marker bar and at the other end to the cross bar of the handles prevents the marker from falling too low.

It will be apparent that the gage beams, by reason of their pivotal connections with the plow beam may be readily thrown, together with the marker, to either side of the plow beam; and also that the gage-beams may be quickly detached from the plow, by pulling out the pin 12' at the front end of the plow beam and then pulling the rear beam 5 forward off of its pivot.

In connection with my improved gage I employ a balance weight 13 supported by a swinging bail or frame 14, the ends of which are pivotally supported upon clamps 15 which embrace the plow beam and are suitably secured thereto. The weight and its support are easily swung to either side of the plow to counterbalance the weight of the marker and gage-beams; and by loosening the clamps they may be removed with the weight and its supporting bail.

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

1. The combination with a plow beam of a gage beam pivotally secured to the plow beam, a marker bar, and resilient brace-rods connecting said marker-bar and gage beam above and below the gage beam.

2. The combination with a plow beam, of a gage beam pivotally connected to the plow beam, a marker bar, and resilient brace rods connecting the marker bar and gage beam, the said rods constituting the sole connection between the marker bar and gage beam.

3. The combination with a plow-beam and a reversible row gage pivotally secured thereto, of a counter-balance weight carried by said beam and adapted to be swung to either side of the beam, the said counter-

balance weight being movable to either side of the plow beam independently of the row gage.

4. The combination with a plow-beam and a reversible row gage pivotally secured thereto, of a counter-balance weight carried by said beam and adapted to be swung to either side of the beam, and means for sup-

porting said weight comprising a swinging bail detachably secured to the plow-beam. 10

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

LOUIS S. HORTON.

Witnesses:

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