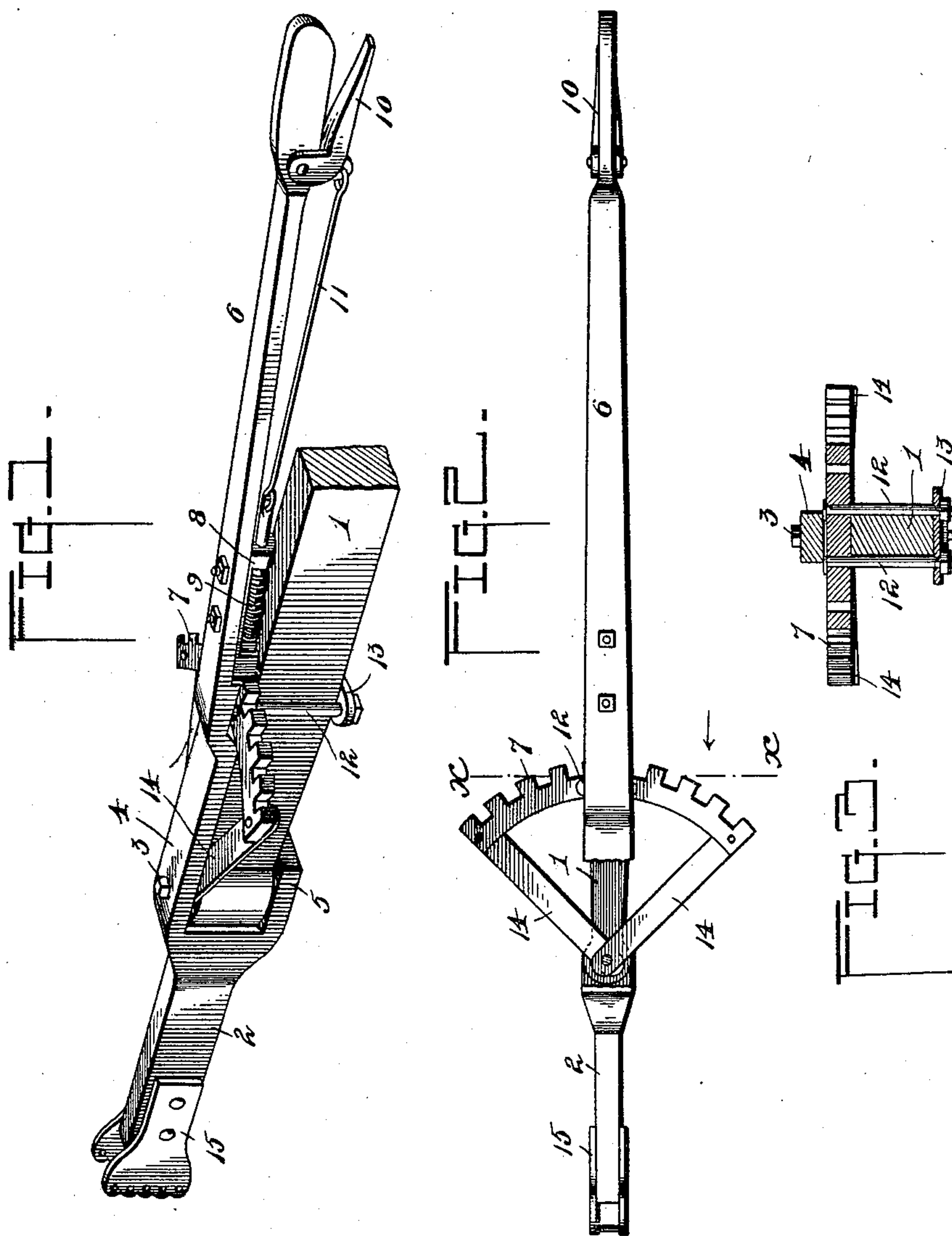


(No Model.)

H. A. MILLER.
PLOW BEAM.

No. 583,188.

Patented May 25, 1897.



Witnesses

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HENRY A. MILLER, OF WALBURG, TEXAS.

PLOW-BEAM.

SPECIFICATION forming part of Letters Patent No. 583,188, dated May 25, 1897.

Application filed March 16, 1897. Serial No. 627,834. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. MILLER, a citizen of the United States, residing at Walburg, in the county of Williamson and State of Texas, have invented a new and useful Plow-Beam, of which the following is a specification.

The purpose of this invention is to place under the control of the driver effective means whereby the component parts of a plow-beam can be relatively adjusted according to the nature of the work in hand or to meet certain conditions, thereby facilitating the work and increasing or decreasing the draft.

The invention is particularly designed for use in connection with sulky and sidehill plows or beams comprising parts pivotally connected.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of the front end portion of a plow-beam, showing the application of the invention. Fig. 2 is a top plan view, parts being broken away. Fig. 3 is a transverse section about on the line X X of Fig. 2, looking in the direction of the arrow.

Corresponding and like parts are referred to in the following description, and indicated in the several views of the drawings by the same reference-characters.

The plow-beam 1, of any desired pattern or make, has an end section 2 applied to its front end and pivotally connected therewith by means of a pin or bolt 3, passing through vertically-alining openings of the beam 1, and cleft portions 4 and 5, provided at the rear end of the section 2. The cleft portion 4 is extended, forming a handle 6, which inclines from the beam 1 to provide ample clearance for its free operation, and which is formed with an offset immediately in front

of a toothed segment 7, so as to clear the latter. A keeper 8 is bolted or otherwise secured to the lower side of the handle 6 in the rear of the toothed segment 7, and a spring-actuated latch-bolt 9 operates therein and engages with the teeth of the segment 7 to hold the end section 2 in an adjusted position. A hand-latch 10, pivoted to the outer or rear end of the handle 6, has connection with the latch-bolt 9 by means of a rod or wire 11 and serves as a convenient means for withdrawing the said latch-bolt from engagement with the toothed segment 7 when it is required to shift the position of the end section 2 with respect to the beam 1. The toothed segment 7 is secured to the beam by bolts 12 and a yoke-plate 13, the latter being placed against the lower side of the beam and receiving the lower ends of the bolts 12. Braces 14 connect the terminals of the toothed segment 7 with the pin or bolt 3 and act jointly with the fastenings 12 to secure the part 7 in place and prevent movement thereof. The front ends of the braces 14 overlap and have corresponding openings through which the pin or bolt 3 passes. The clevis 15, which may be of any desired make or construction, is secured to the end section 2, and the draft is applied thereto in the ordinary way.

Having thus described the invention, what is claimed as new is—

1. The combination with a plow-beam, of an end section having cleft portions at its rear end to embrace the upper and lower sides of the beam, and having the upper cleft portion extended, forming a handle, a pin or bolt passing through vertically-alining openings formed in the cleft portions of the end section and the front end of the plow-beam, a toothed segment secured to the upper side of the plow-beam, and a latch-bolt applied to the aforesaid handle and adapted to cooperate with the toothed segment for holding the pivoted end section in an adjusted position, substantially as set forth.

2. In combination, a plow-beam, an end section provided with a clevis and having cleft portions to embrace the upper and lower sides of the plow-beam, and having the upper cleft portion extended, forming a handle, a pin or bolt pivotally connecting the end sec-

tion with the plow-beam, a toothed segment,
fastenings extending along the sides of the
beam for securing the toothed segment there-
to, braces connecting the terminal portions
5 of the toothed segment with the aforesaid pin
or bolt, and a latch and spring-actuated latch-
bolt applied to the handle, substantially as
set forth for the purpose described.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 10
the presence of two witnesses.

HENRY A. MILLER.

Witnesses:

JOE H. FOSTER,
GOTTLIEB RICHTER.