

C. B. ANDERSON & T. J. FLAVIN.

LEVELING DEVICE.

APPLICATION FILED JULY 15, 1908.

923,612.

Patented June 1, 1909.

Fig. 1.

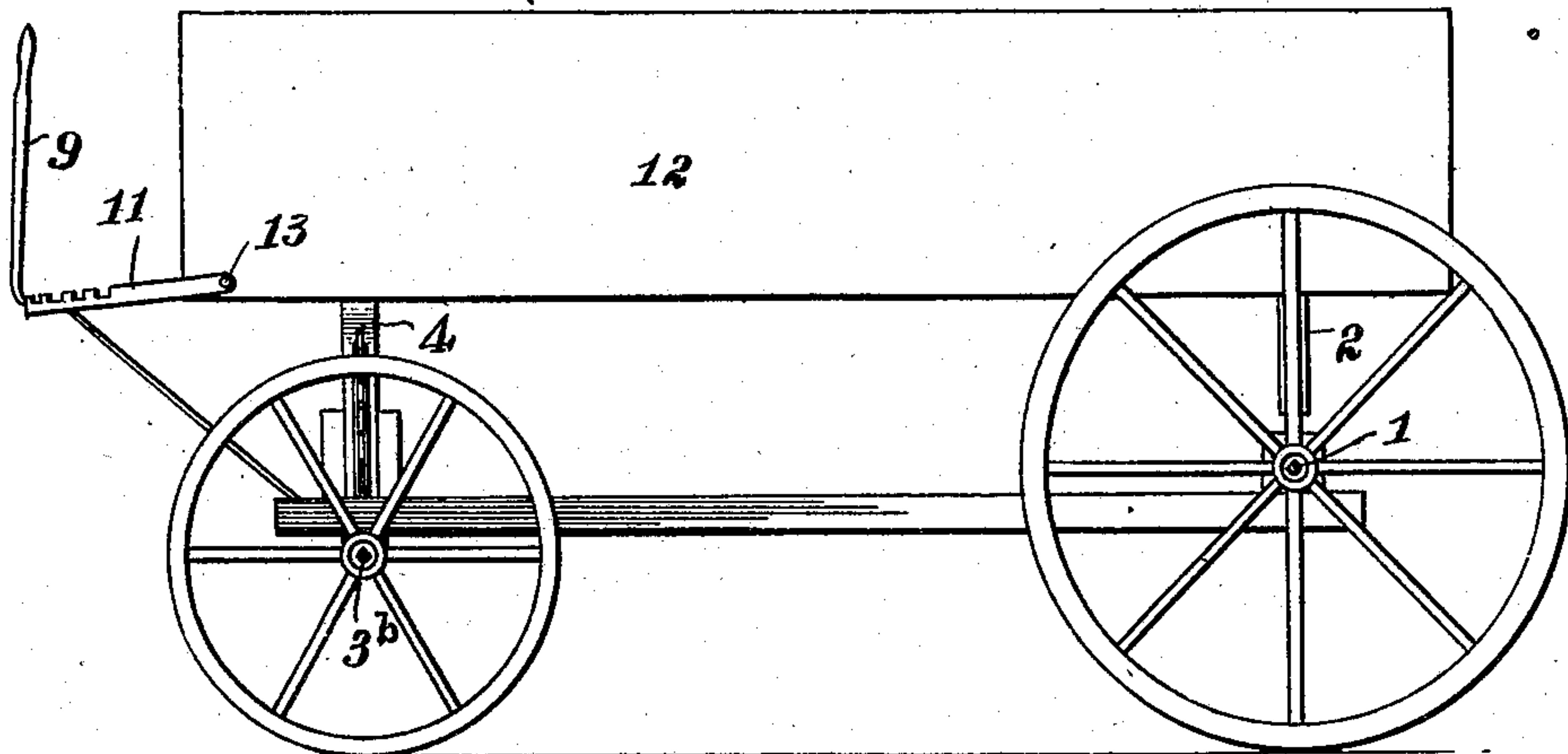


Fig. 2.

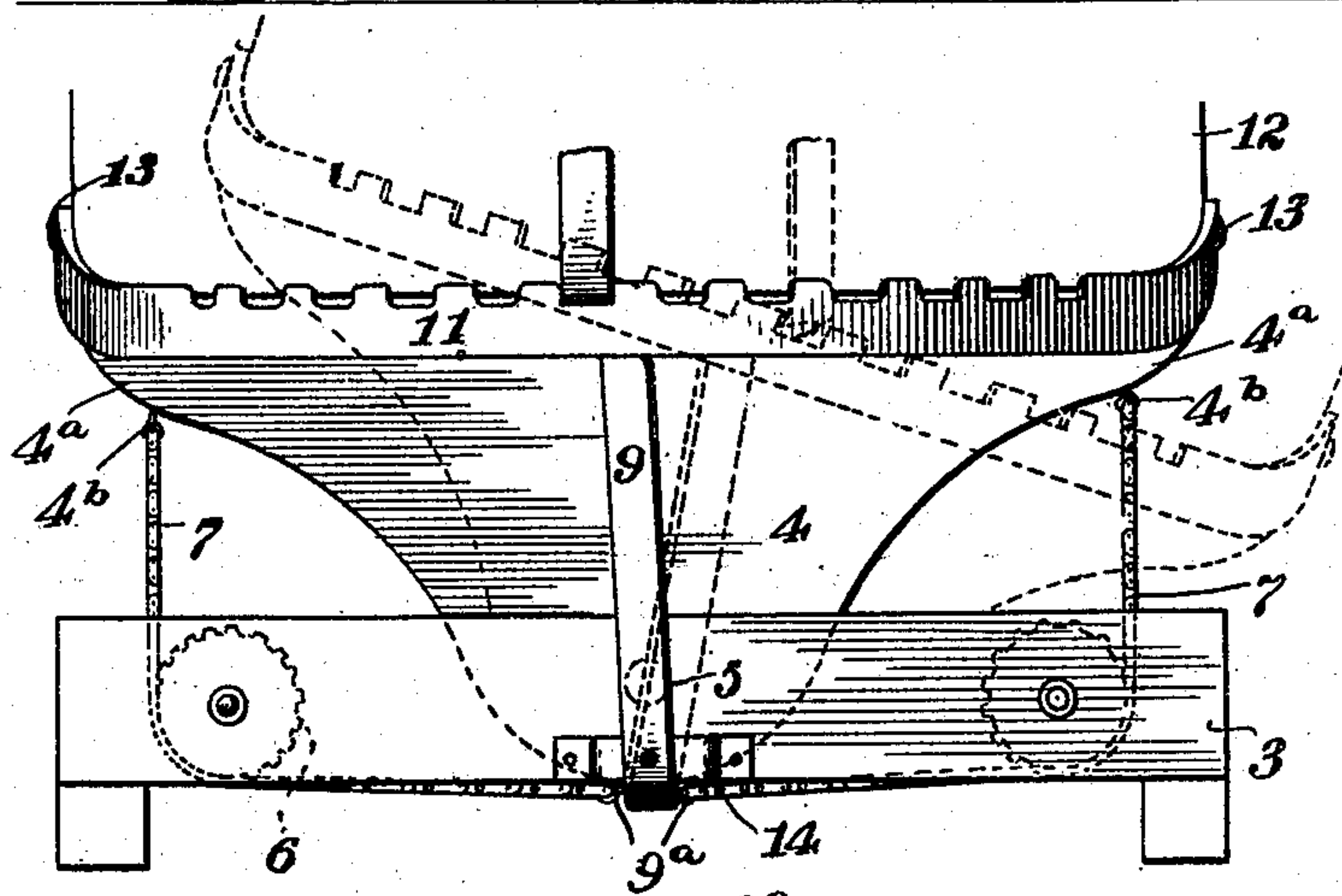


Fig. 3.

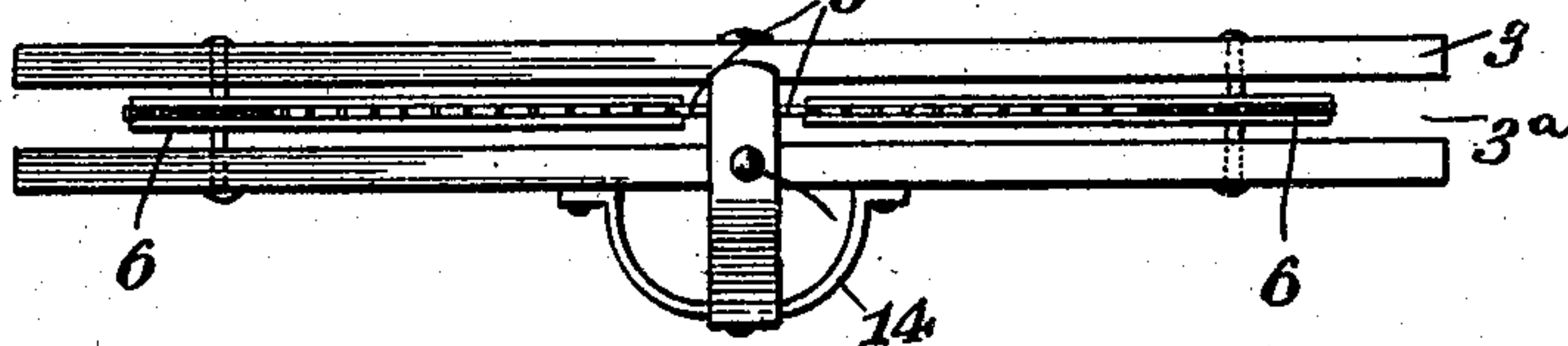
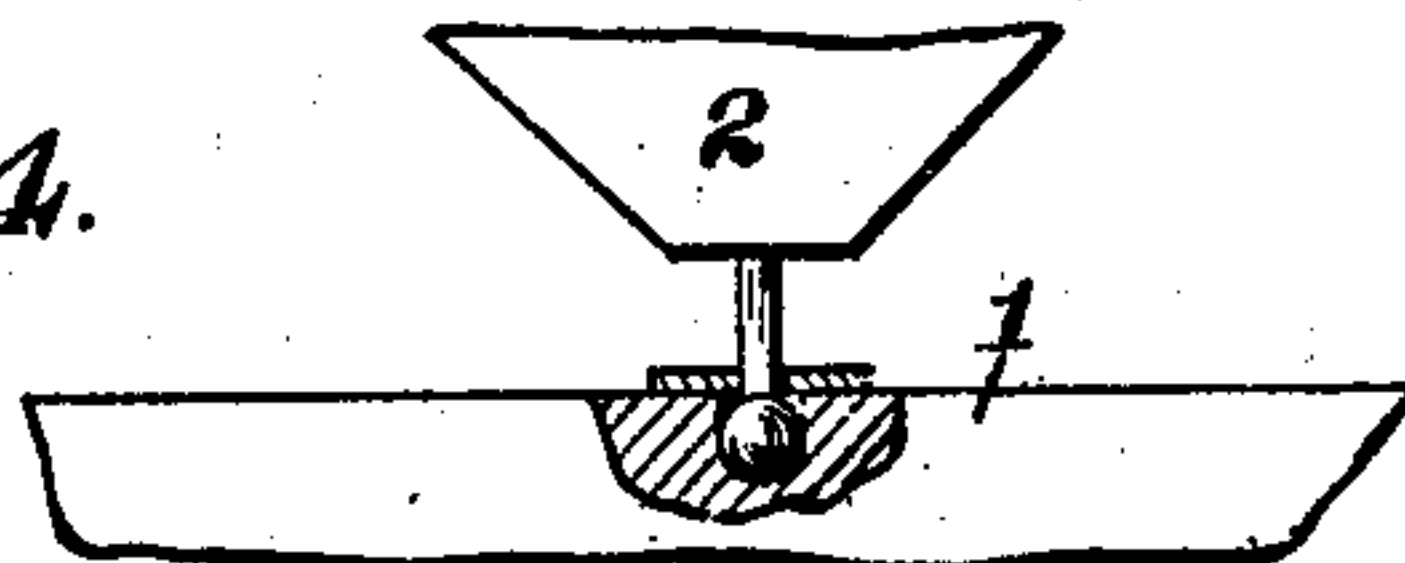


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES B. ANDERSON AND THOMAS J. FLAVIN, OF GUNNISON, COLORADO.

LEVELING DEVICE.

No. 923,612.

Specification of Letters Patent.

Patented June 1, 1909.

Application filed July 15, 1908. Serial No. 443,675.

To all whom it may concern:

Be it known that we, CHARLES B. ANDERSON and THOMAS J. FLAVIN, citizens of the United States, residing at Gunnison, in the county of Gunnison and State of Colorado, have invented certain new and useful Improvements in Leveling Devices, of which the following is a specification.

This invention relates to separator leveling devices and particularly comprehends the construction of a separator leveler that can be applied to any separator, or may be applied to different machinery, without great difficulty.

One of the objects of this invention is to provide a leveling device of the type described, that can be controlled by a lever operated chain.

Another object of this device is to provide means for leveling a separator by a device connected with an axle and operated by a lever controlled chain.

With these and other objects in view, this invention comprises certain combinations, constructions and arrangements of parts illustrated in the accompanying drawings and particularly described in the specification and claims.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a side elevation of our improved leveling device connected to the bed of a separator, Fig. 2 is an end elevation, Fig. 3 is a detail view of a chain operating mechanism. Fig. 4 is a detail view of a pivot connection for a front axle.

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

In the drawings the numeral 1 designates a rear axle on which is pivotally mounted a bolster 2.

Numerals 3 designates a bolster support which is formed with a longitudinal slot 3^a and rests upon the front axle 3^b, and 4 designates a bolster mounted to swing from side to side and pivotally secured to the bolster support 3 at an intermediate point in its length by means of a bolt 5. The bolster support 3 is provided toward its opposite ends with the guide wheels 6, which are journaled in the slot 3^a and may be formed in the manner of

sprocket wheels, or like ordinary wheels without teeth. The bolster 4 is formed with the laterally extending portions 4^a, and a chain 7 is connected to the portions 4^a by means of straps 4^b.

Projecting laterally from the bolster support 3 is a bracket 14 having a lever 9 pivotally secured thereto. The lever 9 is connected to the chain 7 at 9^a and projects upwardly from the bolster support 3 and engages a rack 11 secured to the separator or vehicle body 12 by bolts 13. The rack 11 may be positioned on the frame of the separator, within convenient distance of the seat of the driver, or may be positioned on the bolster support, and the lever 9 formed of a length corresponding to the position of the rack 11.

The operation of our improved leveling device is extremely simple, as will be evident from the drawings and the description.

When our device is secured to a separator or to any other type of machine, a movement of the lever 9 will, by drawing the chain 7, impart a rocking movement to the separator corresponding with the direction of movement of lever 9. When, for instance, the driver desires to elevate the right side of the separator he must move the lever 9 to the left, and, when he desires to elevate the left side, he must move the lever to the right.

Our improved leveling device will be found very useful in connection with all kinds of agricultural and other machinery likely to be placed on a grade, and can be made cheaply and readily adapted for use.

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

1. The combination of a support, a vehicle body pivotally mounted upon the support, guide members upon the support, a cable passing around the guide members and connected to the vehicle body, a lever for cooperation with the cable to tilt the vehicle body from side to side, and a rack for engaging the lever to hold the vehicle body in an adjusted position.

2. In a vehicle, the combination of a bolster support, a bolster pivotally mounted upon the support so as to swing from side to side, guide members upon the bolster support, a cable passing around the guide members and connected to the bolster, a lever mounted upon the bolster support and cooperating with the cable to tilt the bolster from

side to side, and means for locking the lever against movement.

3. In a vehicle, the combination of a bolster support, a bolster pivotally mounted
5 upon the support so as to tilt from side to side, guide members upon the bolster support, a cable passing around the guide members and connected to the bolster, a bracket projecting from the bolster support and co-
10 operating with the cable to tilt the bolster,

and a rack for engaging the lever to hold the bolster in an adjusted position.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES B. ANDERSON. [L. s.]
THOMAS J. FLAVIN. [L. s.]

Witnesses:

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FRANK B. ANDERSON.