

No. 864,170.

PATENTED AUG. 27, 1907.

R. M. JONES.  
CULTIVATOR GUIDE.  
APPLICATION FILED FEB. 6, 1907.

Fig. 1

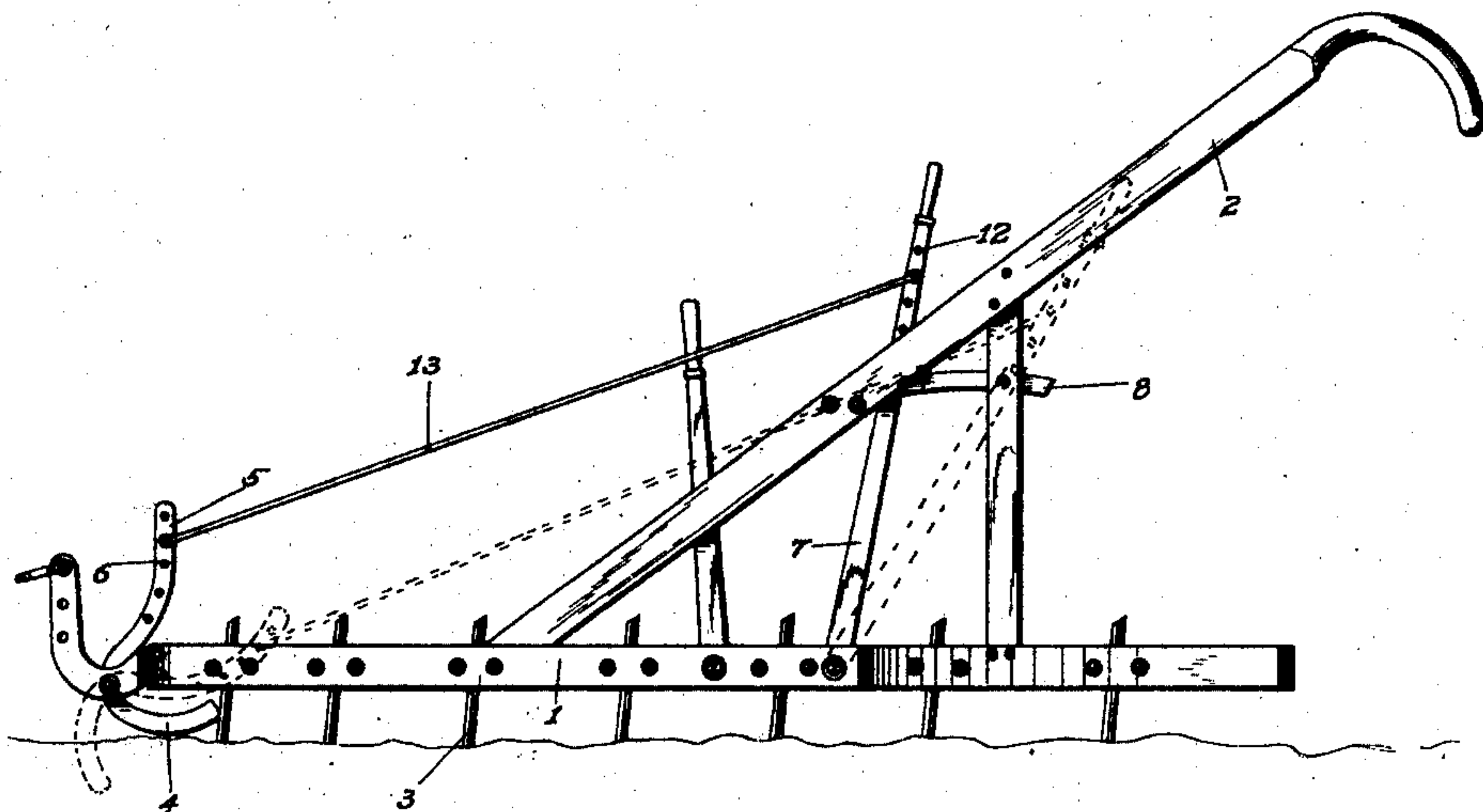


Fig. 2

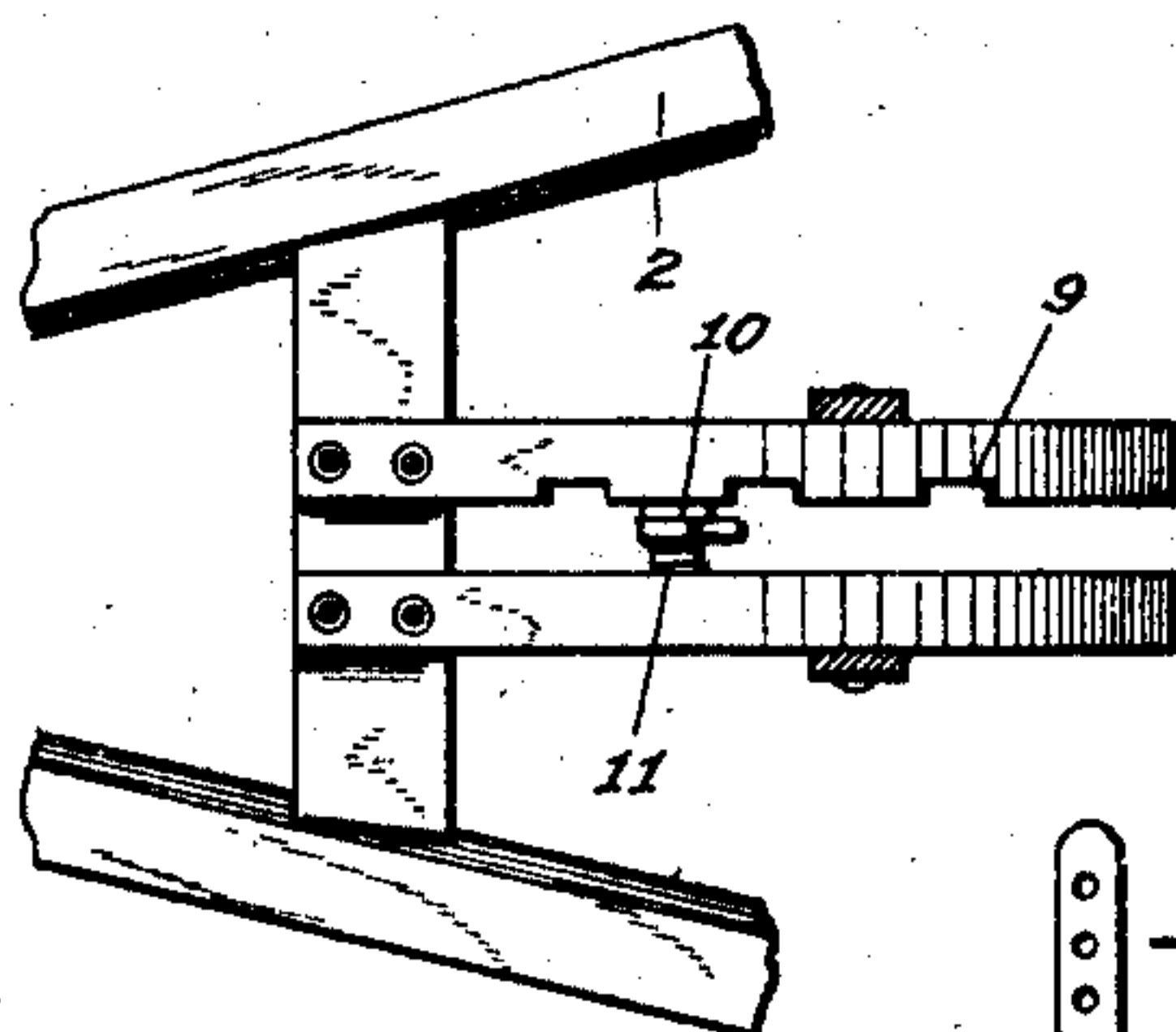


Fig. 3

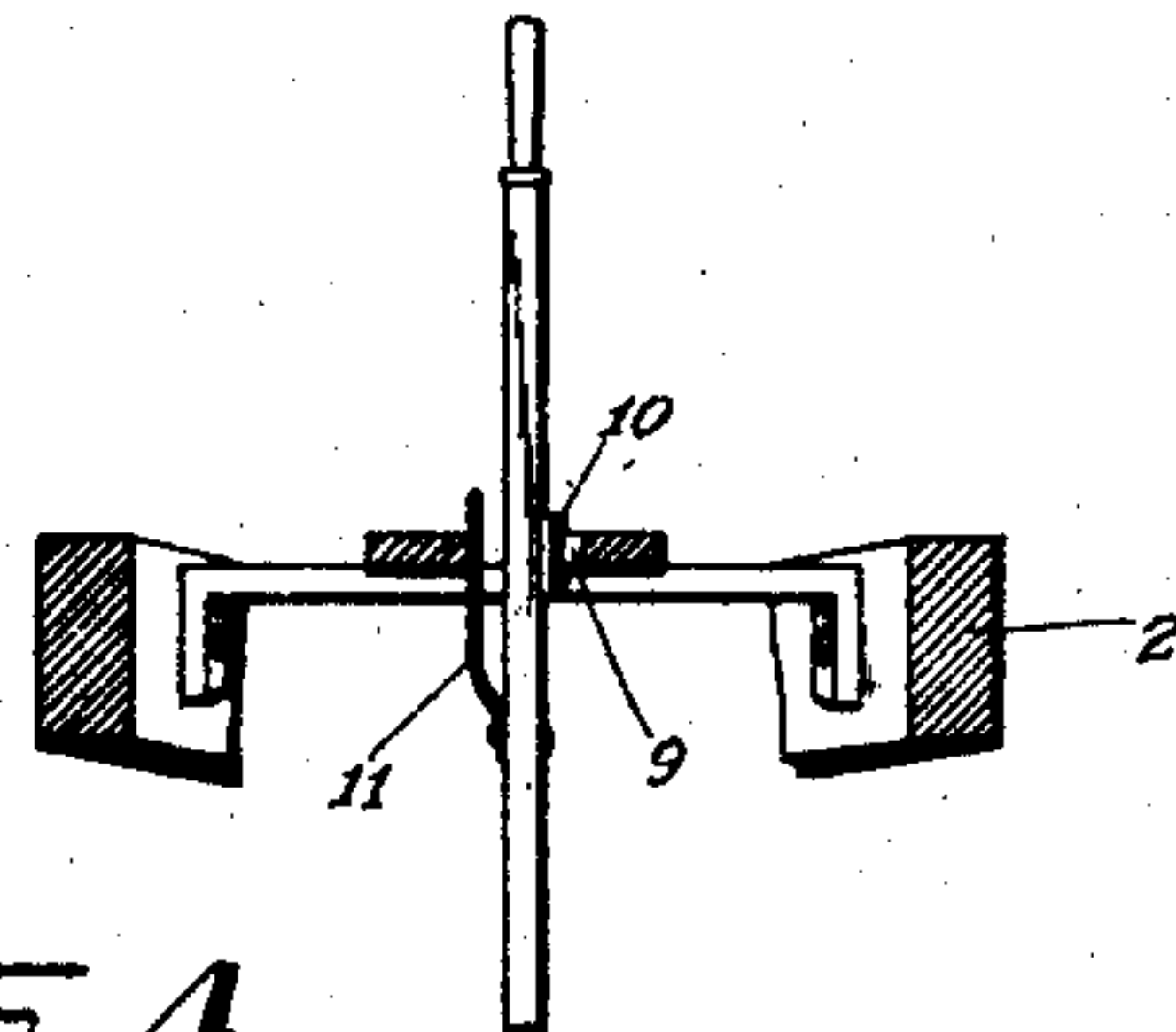
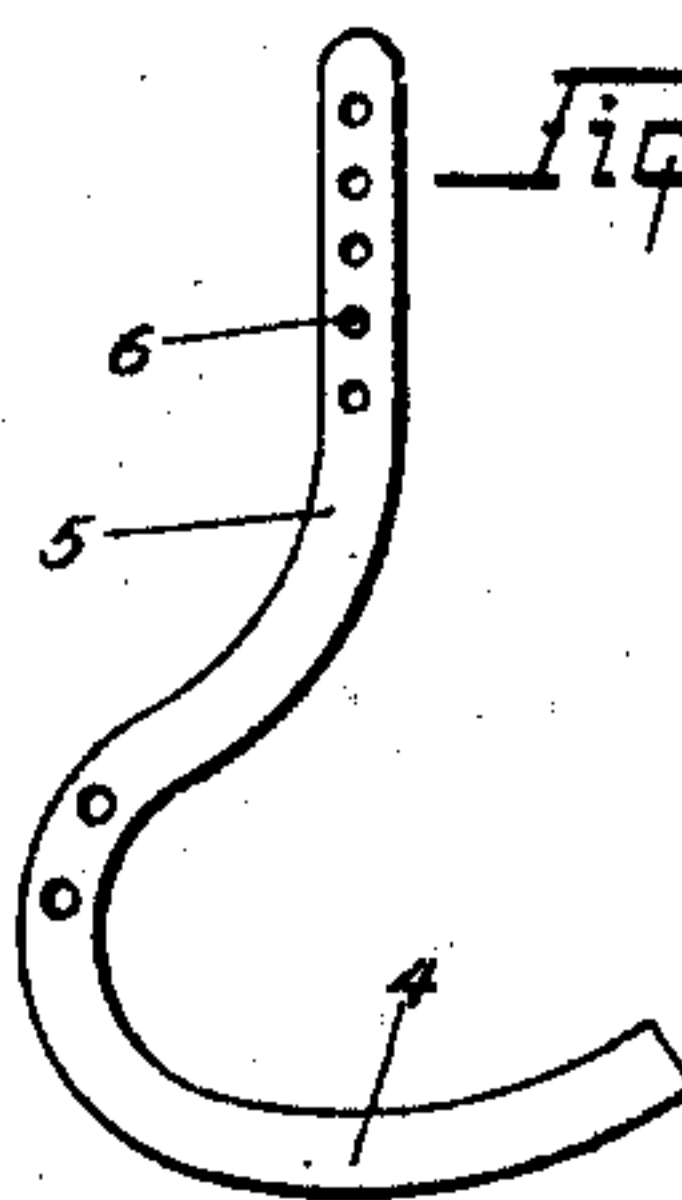


Fig. 4



Witnesses

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# UNITED STATES PATENT OFFICE.

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## CULTIVATOR-GUIDE.

No. 864,170.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed February 6, 1907. Serial No. 355,981.

*To all whom it may concern:*

Be it known that I, ROBERT M. JONES, a citizen of the United States, residing at Lathrop, in the county of San Joaquin and State of California, have invented certain new and useful Improvements in Cultivator-Guides; and I do declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings and the characters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in cultivators and particularly to a means for regulating the depth which the teeth will extend into the ground and also a means whereby the cultivator may be guided in any direction with ease and particularly around corners and the like. These objects I accomplish by means of a guide member arranged in the forward end of the cultivator, and a lever mechanism arranged at the rear of said cultivator and adjustably connected to said guide member; also by such other and further construction as will appear by a perusal of the following specification and claims.

Before describing my invention I desire to call particular attention to the fact that I, by my improved device, particularly aim to overcome the inconveniences occasioned by the use of a wheel guide used on cultivators as said wheels ride over the clods and bump and jolt along causing an unsteadiness of motion that is entirely unsatisfactory. Further the means for adjusting said wheels are likewise inconvenient and cumbersome.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Figure 1 is a side elevation of a cultivator with my improved device in connection therewith. Fig. 2 is a fragmentary view of a lever rack. Fig. 3 is a rear elevation of Fig. 2. Fig. 4 is a side elevation of my improved guide member.

1 designates the body of the cultivator, 2 the handles thereof, and 3 the teeth of said cultivator. Pivotaly secured to the front end of the said cultivator is a guide member consisting of a lower curved portion 4 extending longitudinally of the cultivator, and an upper arm 5 provided with a series of holes 6.

7 is a lever pivotaly secured at its lower end to the cultivator, near the rear end of the latter, this lever extending through between two parallel bars constituting a rack 8, one of these bars being provided on its inner face with notches 9 to receive a lug 10 on the lever 7, the lug being held in engagement with one of the notches by a spring 11 carried by the lever 7 and bear-

ing against the inner face of the opposite bar. These bars are supported at their forward end by a cross brace 10' between the handles 2, and near their rear end are supported by the vertical braces 11', which support the handles 2 from the cultivator. The upper portion of said lever 7 is provided with a series of holes 12. Said lever 7 is connected with the portion 5 of the guide member by means of a rod 13 secured in any of the holes 6 and 12 as are desired.

In practice when it is desired to regulate the position of the teeth 3 in the earth the lever 7 is operated backward or forward thus causing the portion 4 of the guide member to be either raised or lowered, incidentally raising or lowering the cultivator. This portion 4 along the top of the earth cuts through the clods instead of riding over them, thus giving the cultivator a steadiness of motion.

When it is desired to raise the teeth entirely from the ground and have the cultivator so that it may be easily turned and handled, the lever 7 is operated until the portion 4 is standing on end as shown by dotted lines Fig. 1. This permits the cultivator to be easily handled and turned from place to place.

In practice two or more of the guides 4-5 may be used and they may also be placed where desired on the machine.

Thus it will be seen I have produced a cultivator which substantially fulfils all the objects set forth in the preamble of this specification.

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

In a device of the class described, a cultivator, a guide member pivotaly mounted at the forward end of the cultivator and having its lower end curved rearwardly and its upper end provided with a plurality of apertures, handles carried by said cultivator, a rack arranged between said handles and comprising a pair of parallel bars, one of which is provided on its inner face with notches, a lever pivoted at its lower end to the cultivator and extending upwardly between said bars, and provided near its upper end with a plurality of apertures a lug carried on one side of the lever to engage the notches in said bar, a spring carried by the opposite side of the lever and bearing against the other of said bars for normally holding the lug in engagement with one of said notches, and a rod connecting said lever at the apertured portion above the rack with the apertured upwardly extending portion of the guide member.

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

ROBERT M. JONES.

Witnesses:

PERCY S. WEBSTER,  
FRANK H. CARTER.