

(No Model.)

W. O. DIXON.

CORN DROPPING ATTACHMENT FOR CULTIVATORS.

No. 431,882.

Patented July 8, 1890.

Fig. 1.

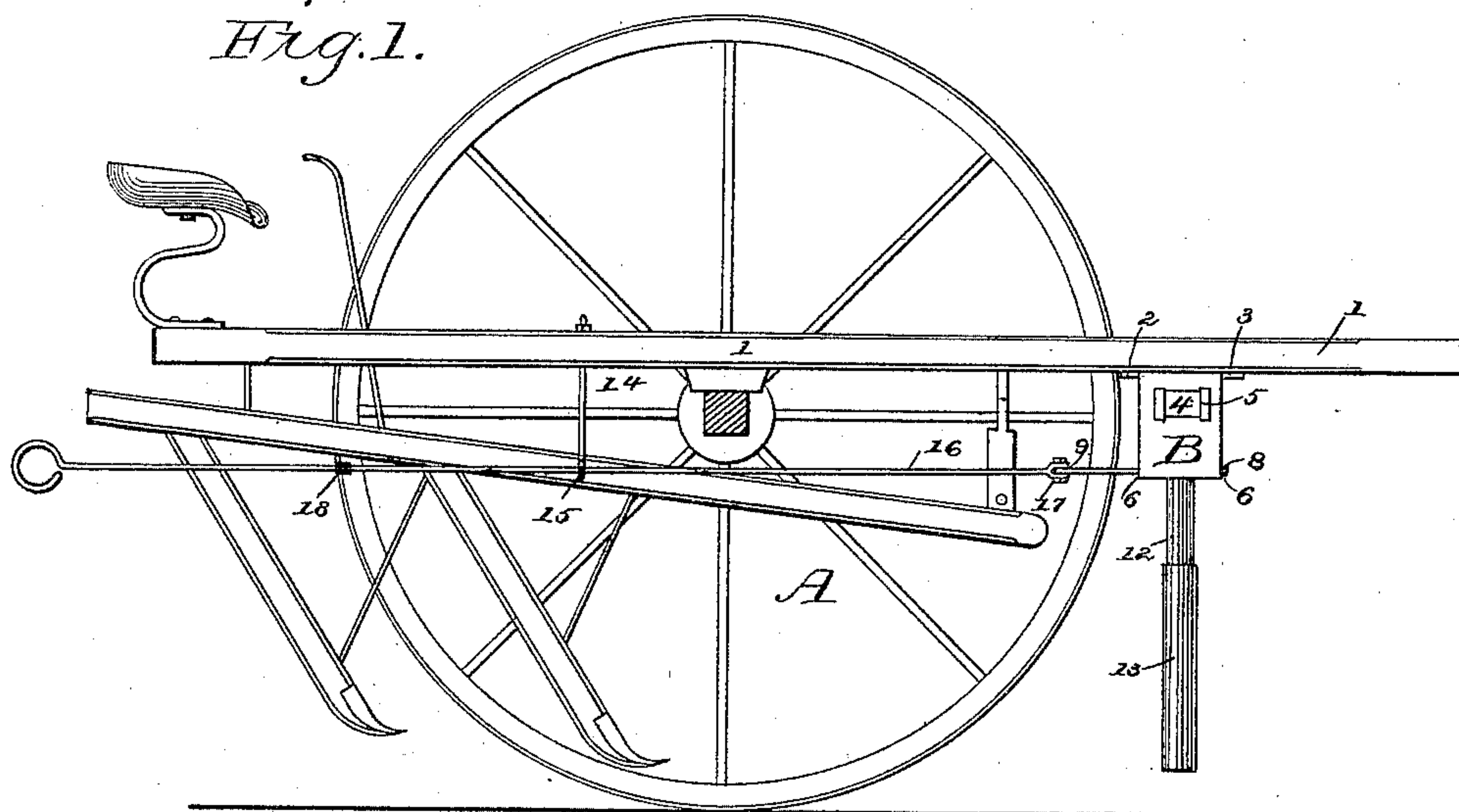


Fig. 2.

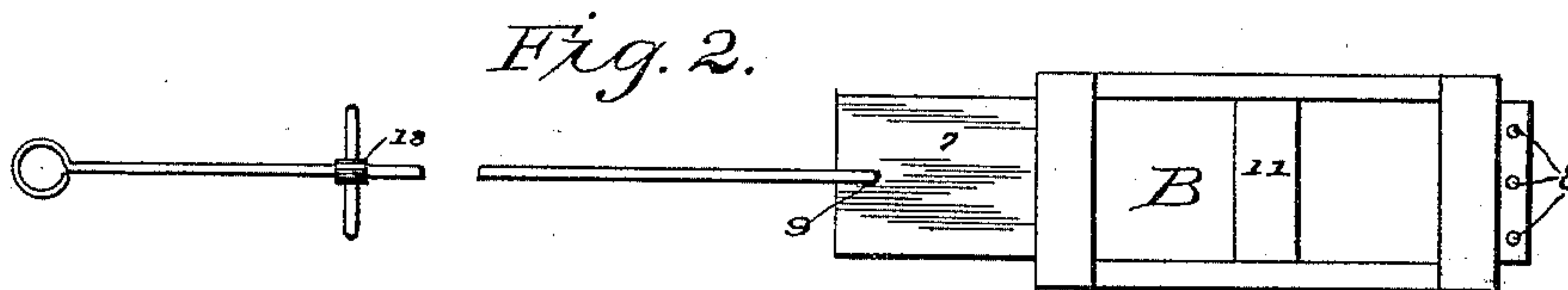


Fig. 3.

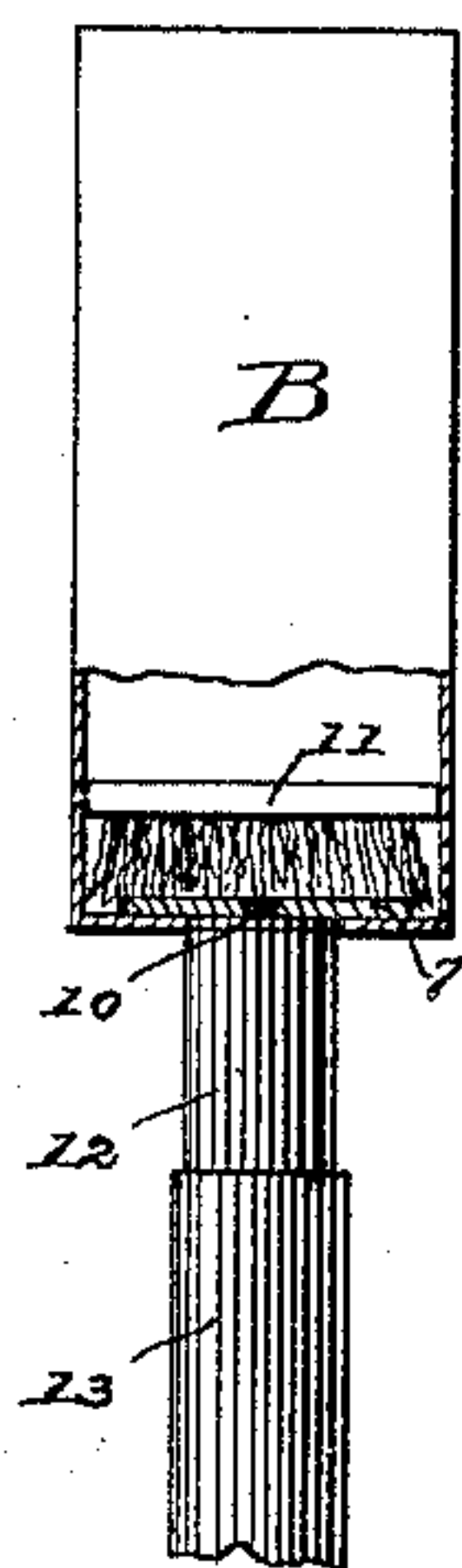


Fig. 4.

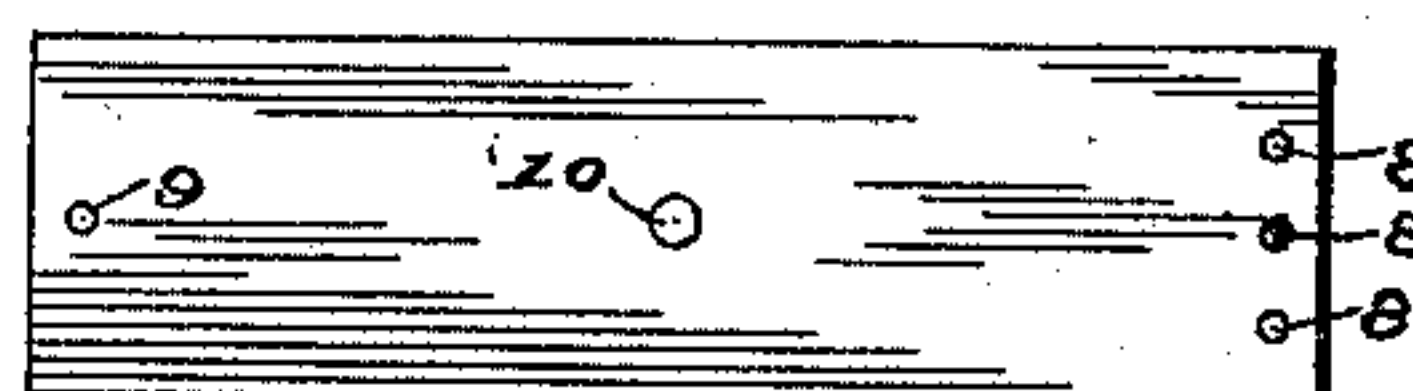


Fig. 5.



WITNESSES

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CORN-DROPPING ATTACHMENT FOR CULTIVATORS.

SPECIFICATION forming part of Letters Patent No. 431,882, dated July 8, 1890.

Application filed February 8, 1890. Serial No. 339,658. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM O. DIXON, a citizen of the United States of America, residing at Nevada, in the county of Vernon and State of Missouri, have invented certain new and useful Improvements in Corn-Dropping Attachments for Cultivators, of which the following is a specification.

My invention relates to an attachment for cultivators for replanting corn; and it consists, in combination with the tongue of a cultivator, of a corn box or receptacle and means for operating the dropping mechanism by the foot or hand, as will be hereinafter fully specified, and particularly pointed out in the claim.

Reference is to be had to the accompanying drawings, wherein Figure 1 is a side view of my invention attached to the tongue of a cultivator, showing the sliding bar and support. Fig. 2 is a top plan view. Fig. 3 is an end view. Fig. 4 is a detail of the dropping-slide. Fig. 5 is a view of the foot-piece on the sliding bar.

A designates a cultivator of any approved construction, having a tongue 1, to the under side of which is secured a rectangular corn-box B by means of flanges 2 3 on its upper end. This corn-box is made of such dimensions as to fit nicely under the tongue, so as not to interfere with the horses, being made narrow enough to set with its side edges against the under face of the tongue, and has in its side a filling-hole 4, provided with a slide-door 5. In the lower end of the end pieces, just above the bottom, are formed ways 6, through which the bottom slide or dropping-plate 7 reciprocates, having stops 8 at its outer end to prevent it from being pulled out of place, and a pin-hole 9, by means of which the slide is connected to the operating device.

In the middle of the slide 7 is an orifice 10, in which the corn to be dropped lodges, and as the orifice is filled it is slid along under the brush 11, arranged across the bottom of the corn-box, with its bristles sweeping the bottom slide, which sweeps the slide and prevents the corn, except that in the orifice, from reaching the dropping-tube, thus allowing the

same amount to be carried in the orifice each time to the opening in the bottom having a rigid short pipe 12 in the bottom of the corn-box. To the rigid pipe 12 is secured a flexible drop-tube 13, which hangs about six inches from the ground, and is made flexible to prevent its breaking in case it should strike a stone or other obstacle.

14 is a support secured on the tongue behind the corn-box, and having an eye 15 in its free end, through which the hand-rod 16, which is fastened to the bottom slide, is connected, as at 17. This hand-rod is operated by the hand of a person when walking behind the cultivator; but, to provide means for operating the slide by a person riding the cultivator, I fix an adjustable foot-piece thereto, which may be moved to any point on the slide-bar and so secured. This piece 18 is arranged on the slide-bar to project substantially at right angles thereto.

The operation is as follows: The corn-box being supplied with corn and the cultivation in progress, the driver, either from his seat on the cultivator or from his position behind the cultivator, observes in advance of him where the hills of corn have been depleted, and pulls the slide so as to drop the grains on the hill. The plows following this operation throw the soil over in the furrows and cover the grains.

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

In a cultivator, the combination of a narrow rectangular seed-box secured to the under face of the tongue, a dropping-tube in the bottom of the seed-box provided with a flexible lower portion, a brush in the seed-box arranged over the dropping-aperture, a slide having a seed-orifice therein, and a hand or foot rod to move the slide, substantially as and for the purpose specified.

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

WILLIAM O. DIXON.

Attest:

WM. J. STONE,
E. L. POTTORF.