

(No Model.)

A. E. KUNDERD.  
CULTIVATOR ATTACHMENT.

No. 375,638.

Patented Dec. 27, 1887.

Fig. 1.

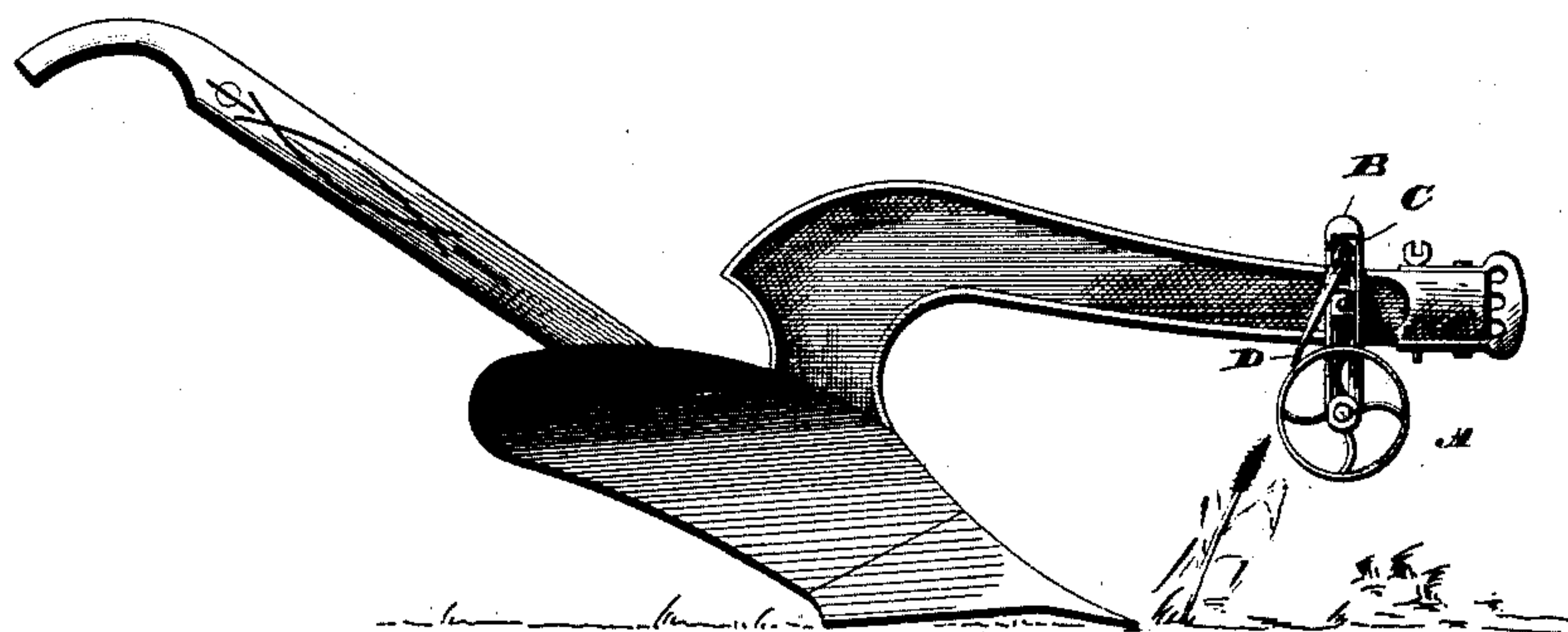


Fig. 2.

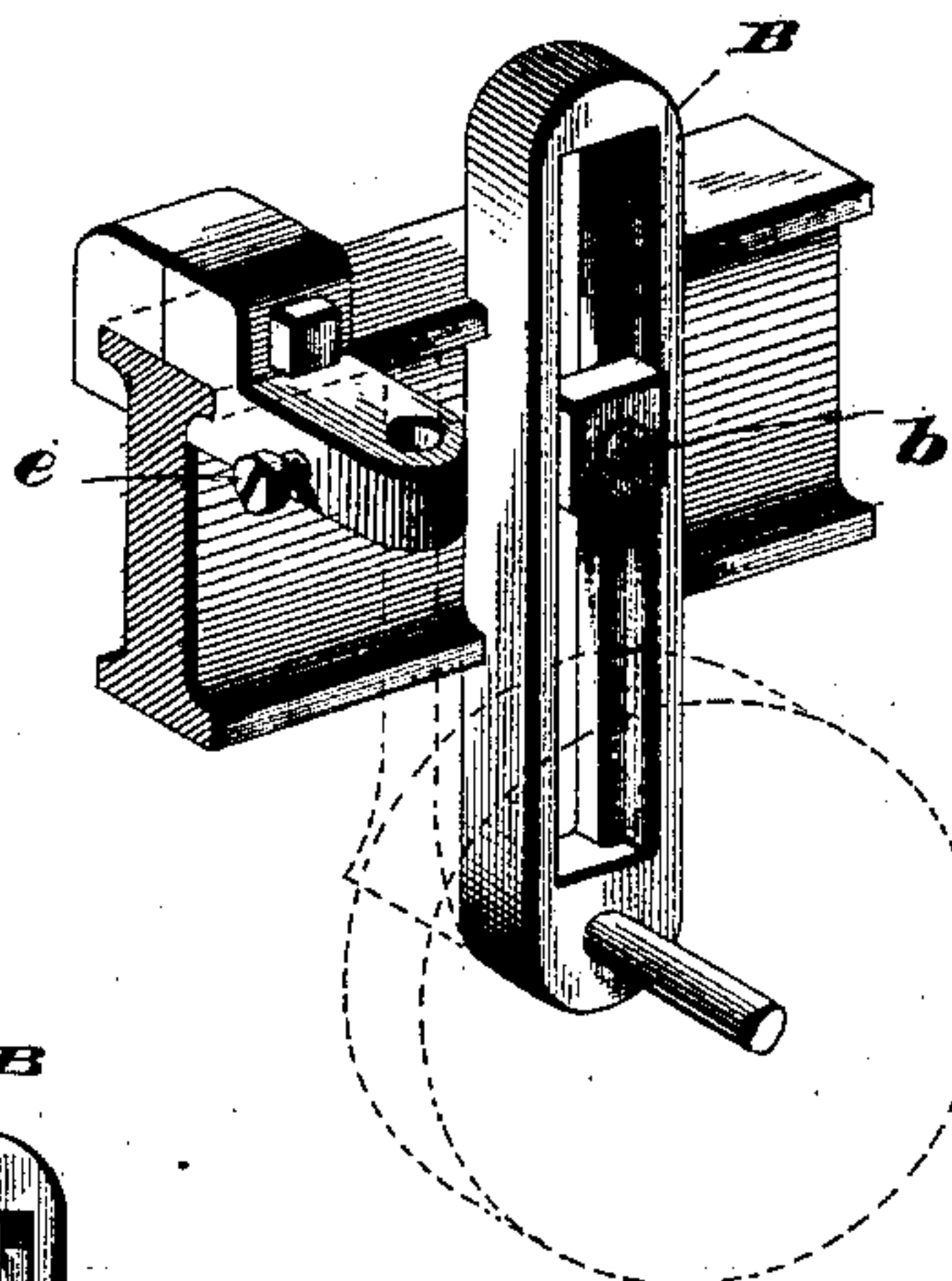
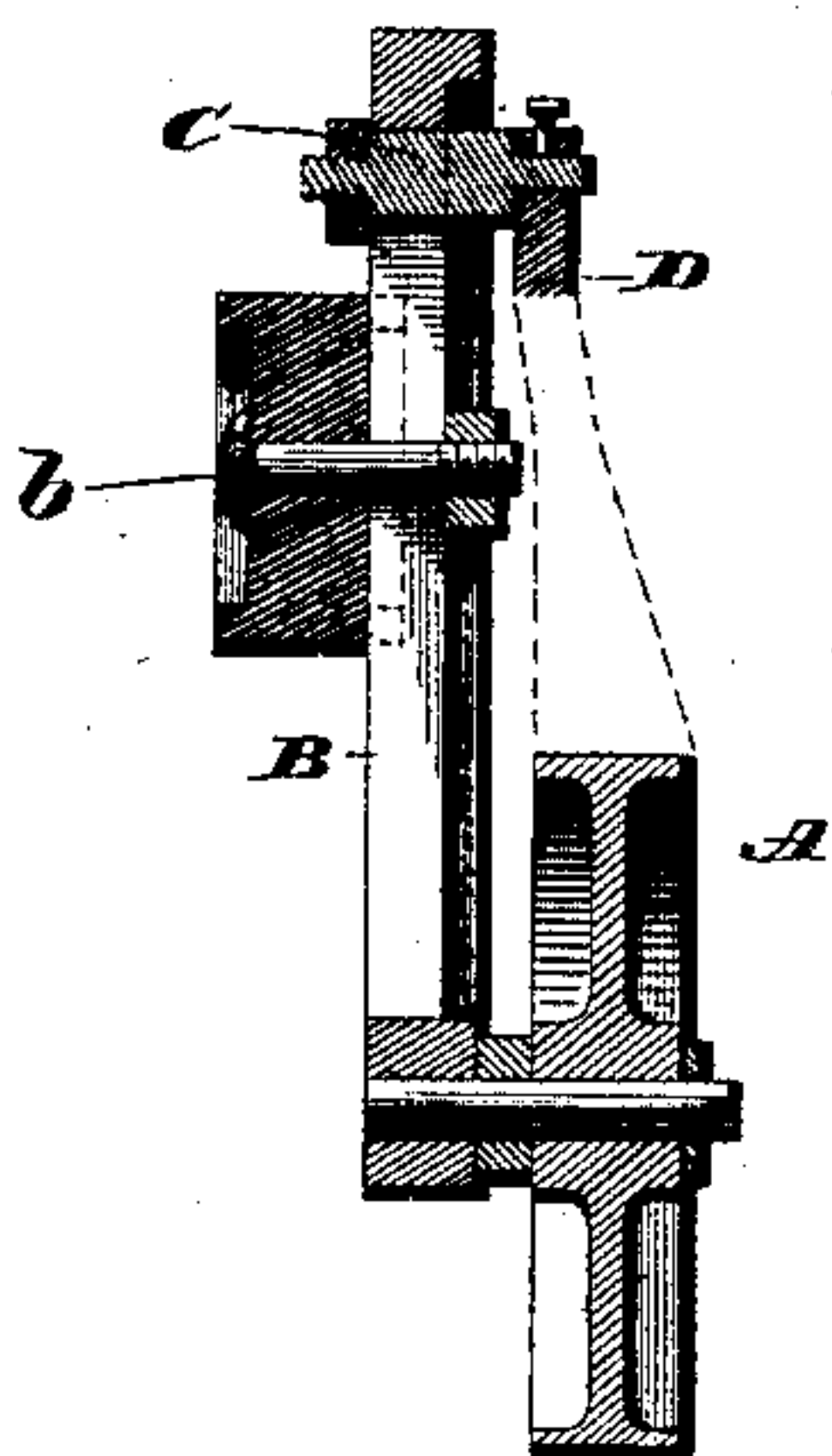
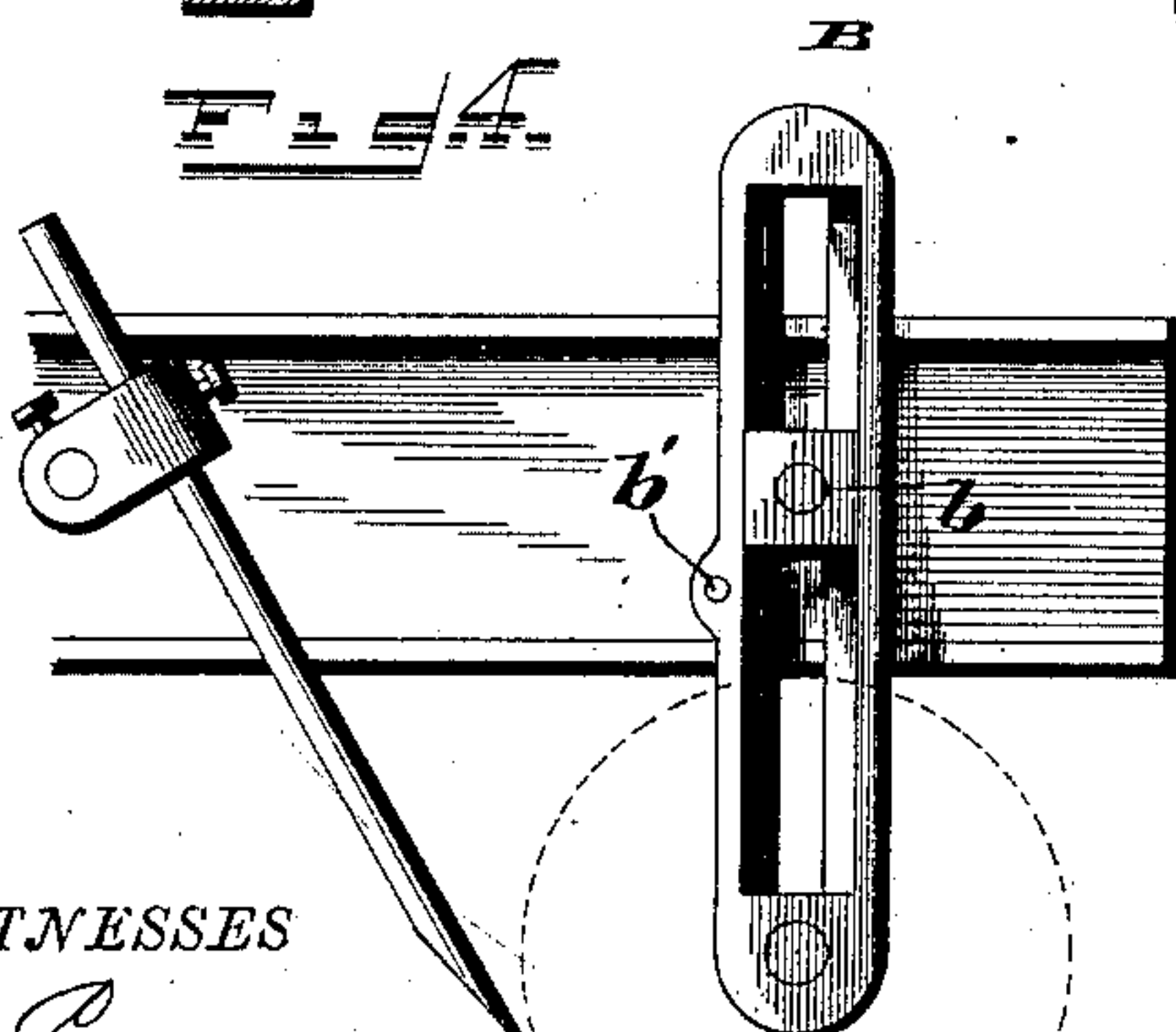


Fig. 3.

Fig. 4.



WITNESSES

*G. S. Elliott.*  
*M. Johnson*

*Amos E. Kunderd.*

INVENTOR

*[Signature]*

Attorney

# UNITED STATES PATENT OFFICE.

AMOS E. KUNDERD, OF CORUNNA, INDIANA.

## CULTIVATOR ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 375,638, dated December 27, 1887.

Application filed September 9, 1887. Serial No. 249,267. (No model.)

*To all whom it may concern:*

Be it known that I, AMOS E. KUNDERD, a citizen of the United States of America, residing at Corunna, in the county of De Kalb and State of Indiana, have invented certain new and useful Improvements in Cultivator Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, 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 to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in attachments for gage-wheels of plows, whereby the earth will be removed from the gage-wheel when it adheres to the same.

My invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claim.

In the accompanying drawings, which illustrate my invention, Figure 1 is a side view of a plow having a gage-wheel attached thereto, to which gage-wheel my improvement is applied. Fig. 2 is a sectional view of the device illustrated in Fig. 1. Figs. 3 and 4 are modifications of my invention.

A refers to the gage-wheel, which is attached to a plow-beam adjacent to the clevis, so that said gage-wheel may be adjusted vertically with respect to the beam.

B refers to a slotted casting, through which slot passes a bolt, *b*, for adjustably connecting the casting to the plow-beam, and within the upper portion of this slot is attached, by means of a nut, a slide, C, to which is pivotally attached a scraper, D, the lower end of which is adapted to engage with the periphery of wheel A. The slide C may be adjusted within the slot, so as to be moved down when the lower edge of the scraper wears away.

In Fig. 3 of the drawings I have shown the casting B attached to the plow-beam by a single bolt, said casting having a stub-axle upon

which the wheel A is mounted. Rear of the casting B is located a slide, which is made up of two parts which are connected together by a bolt, which will secure said parts adjustably upon the plow-beam.

One of the parts of the casting is provided with a vertical perforation, through which passes the scraper, as shown in dotted lines, said scraper being secured within the perforation by a set-screw, *e*.

In Fig. 4 I have shown a modification of my improvement, in which case the clamp for holding the scraper may be attached to the central portion of the plow-beam by a projecting pin or bolt, the scraper being located at an angle with the slotted casting B, which carries the gage-wheel.

By means of the device hereinbefore described the periphery of the gage-wheel can be kept entirely free from dirt, which is liable to collect thereon, so as to render the periphery of said gage-wheel uneven.

The casting B, when it is proposed to attach the same to wooden plow-beams, may be provided with a perforation, *b'*, as shown in Fig. 4, through which a pin or bolt may be passed so as to enter the wooden plow-beam and prevent the casting B turning thereon.

I claim—

The combination, with the plow-beam, of the slotted vertically-adjustable casting adapted to be secured to the said plow-beam by a nut resting in the slot of the casting, and having a stub-shaft on its lower end to receive a gage-wheel, and an adjustable bracket mounted adjacent to the aforesaid casting upon the plow-beam, which is formed with an aperture in which a scraper is adjustably mounted and held in adjustment by a set-screw, substantially as described.

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

AMOS E. KUNDERD.

Witnesses:

WILLIAM A. LEINS,  
ALBERT HARDING.