

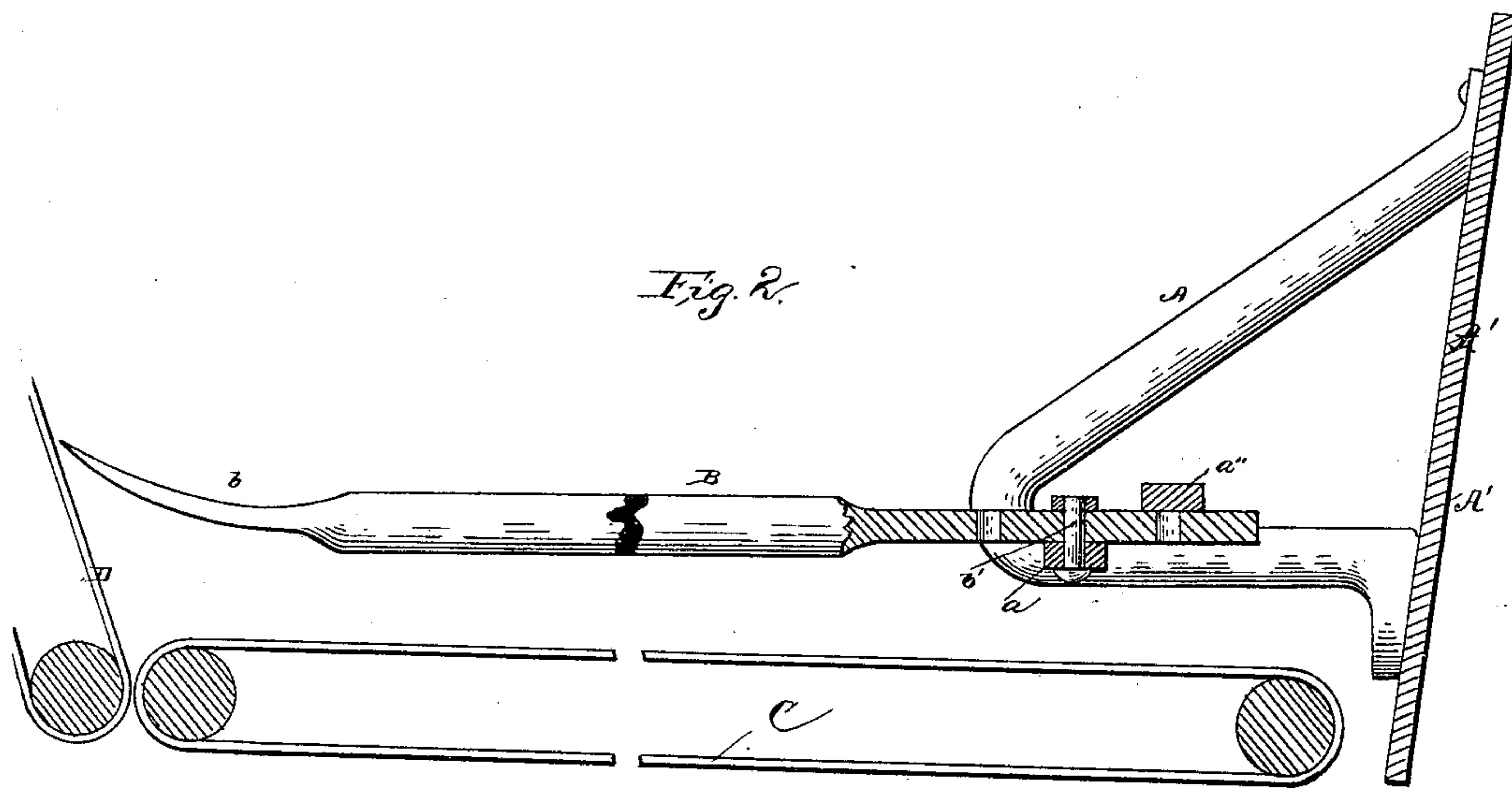
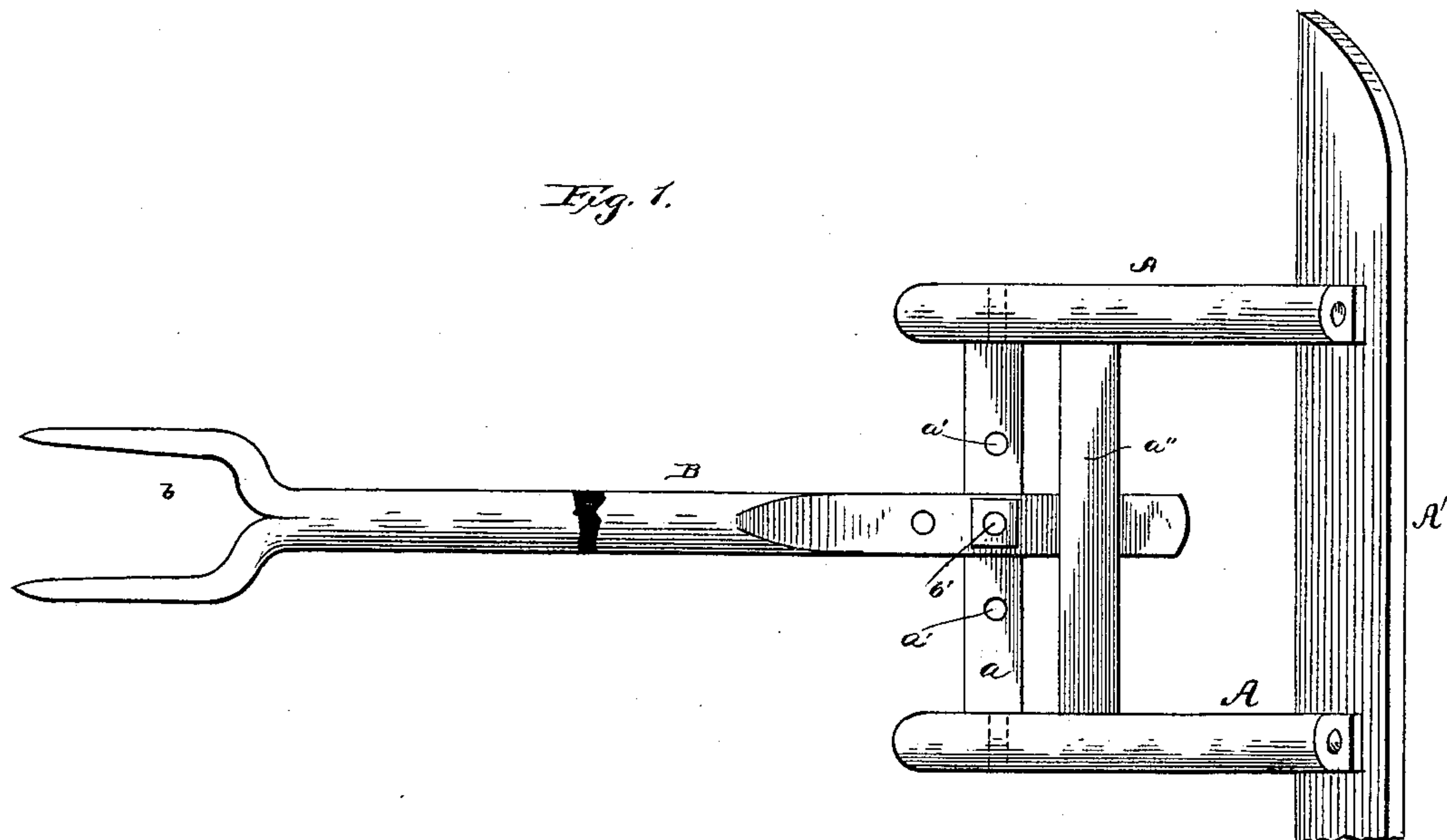
(No Model.)

2 Sheets—Sheet 1.

W. L. SHAKE.  
GRAIN ADJUSTER.

No. 377,216.

Patented Jan. 31, 1888.



Witnesses:  
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John McGinn.

Inventor:  
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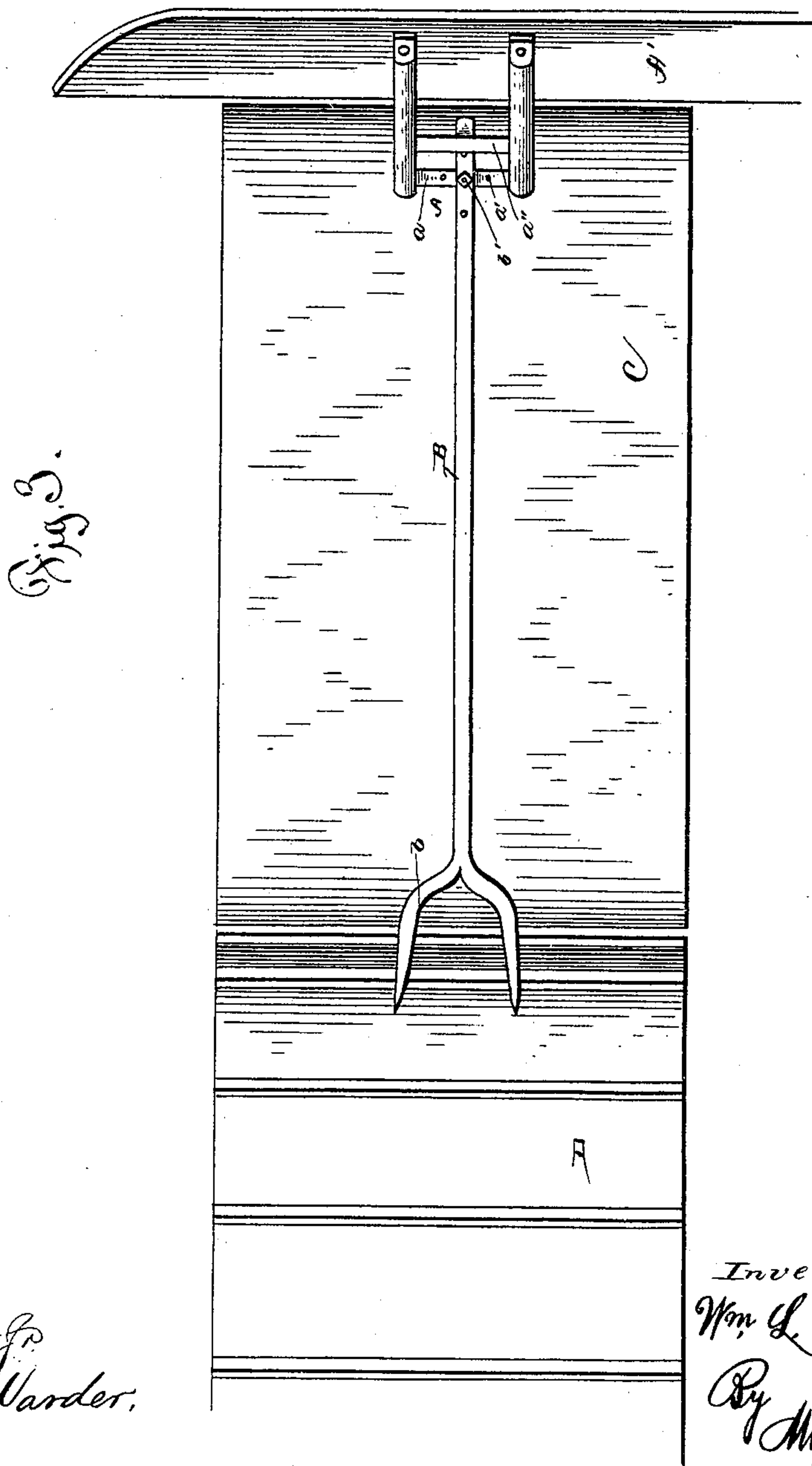
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2 Sheets—Sheet 2.

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GRAIN ADJUSTER.

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Inventor  
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# UNITED STATES PATENT OFFICE.

WILLIAM LUCIAN SHAKE, OF PAXTON, INDIANA.

## GRAIN-ADJUSTER.

SPECIFICATION forming part of Letters Patent No. 377,216, dated January 31, 1888.

Application filed April 9, 1887. Serial No. 234,277. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM LUCIAN SHAKE, a citizen of the United States of America, residing at Paxton, in the county of Sullivan and State of Indiana, have invented certain new and useful Improvements in Harvester Attachments, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention pertains to certain new and useful improvements in harvester attachments; and it consists in the detailed construction, combination, and arrangement of the parts, substantially as hereinafter fully set forth, and particularly pointed out in the claim.

15 In the accompanying drawings, Figure 1 is a plan view of my invention with the middle of the forked arm broken away. Fig. 2 is a side view thereof, partly in section and with parts broken away and showing a portion of a harvester; and Fig. 3 is a plan view of Fig. 2, showing the parts completed.

20 This invention, which is intended to be attached to a grain-board of a self-binding harvester, is designed to prevent the grain from lodging within the space necessarily between the grain conveyer and elevator, which, as is well known, generally results in the clogging of said conveyer and elevator, and necessitating a waste of time and causing no little annoyance to the operator.

25 In carrying out my invention I employ a supporting-bracket, A, composed of two similar arms or members secured by ordinary means to the inner side of the grain-board A', and in apertures in the lower horizontal arms of the brackets, near the forward ends thereof, are pivotally secured the ends of a pivoted cross-bar, *a*, provided with apertures 30 *a'*, as shown. In rear of this pivoted cross-bar is secured, on the upper surface of the said horizontal arms of the brackets A, a second rigid cross-bar, *a''*, the purpose of which will soon appear.

35 B is a long arm or bar having an upwardly-curved forward forked end, *b*, and the rear or outer portion of said arm is flattened and apertured, as shown, and through any one of said apertures and a corresponding aperture of 40 the pivoted bar *a* is passed a nutted bolt, *b'*,

whereby the position of the arm or bar B can be adjusted either longitudinally or transversely its length, and rigidly held at the point where so adjusted. At whatever point adjusted, the upper surface of the inner end 55 of the bar or arm rests against the underside of the cross-bar *a''*, whereby the bar is caused to occupy a horizontal position.

The above-described device is attached to the grain-board A' about midway and just 60 above the conveyer C, with the forked bar extending across the conveyer, with its curved points turned upward, so as to permit the points of the forked end thereof to touch the wooden slats on the grain-elevator D. At 65 the point where the grain passes from the conveyer C to the elevator D there is always a small space to allow the free and unobstructed passage of the slats of said elevator, and it is well known that into this opening or space 70 the grain frequently falls and clogs the elevator; but by means of my invention the grain, after being cut, falls on the forked arm or bar, and the butts and heads being heavier than the stalks the grain sags over the bar, 75 and upon coming in contact with the conveyer C is carried over the arm or bar to the elevator D, a considerable part of the weight of the grain being thus supported by said arm or bar, and said grain is prevented, by means 80 of the forked end of the arm or bar B, from falling into the opening between said conveyer and elevator.

The transverse adjustability of the arm or bar renders it capable of use for long, me- 85 dium, or short grain, while the means for effecting a longitudinal adjustment of said bar renders the same applicable to binders having different-sized conveyers over which said bar is designed to project. 90

Among the many advantages of my invention it may be noted that it is the means of a great saving of the grain, and serves to protect the conveyer in supporting the weight of said grain in its passage over the conveyer to 95 the elevator.

I claim as my invention—

The combination, with the conveyer, elevator, and grain-board, and the bracket attached to the latter, of the forked bar, the ap- 100

ertured pivoted bar on the bracket, and the  
nuttet bolt, said forked bar being apertured  
to permit of its adjustment, the forked bar ex-  
tending over the conveyer, and its forked end  
5 extending over the aperture between the con-  
veyer and elevator, substantially as and for the  
purpose set forth.

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

WILLIAM LUCIAN SHAKE.

Witnesses:

JAMES P. WALLS,  
T. M. ROBBINS.