

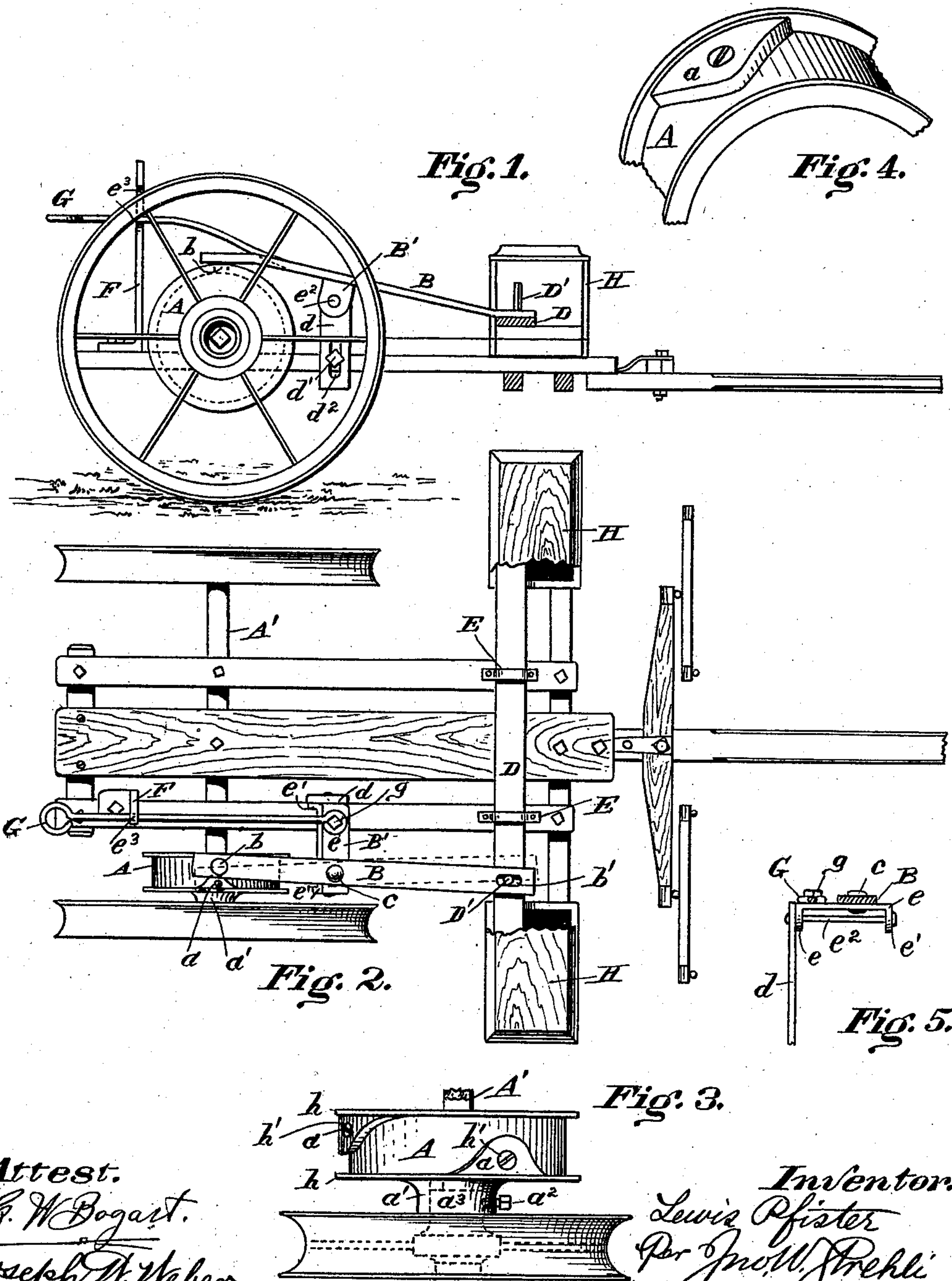
(No Model.)

L. PFISTER.

ATTACHMENT FOR CORN PLANTERS.

No. 373,094.

Patented Nov. 15, 1887.



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UNITED STATES PATENT OFFICE.

LEWIS PFISTER, OF MARTINSVILLE, OHIO, ASSIGNOR OF TWO-THIRDS TO
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ATTACHMENT FOR CORN-PLANTERS.

SPECIFICATION forming part of Letters Patent No. 373,094, dated November 15, 1887.

Application filed February 2, 1887. Serial No. 226,218. (No model.)

To all whom it may concern:

Be it known that I, LEWIS PFISTER, a resident of the town of Martinsville, in the county of Clinton and State of Ohio, have invented certain new and useful Improvements in Attachments for Corn-Planters, of which the following is a specification.

The object of my invention is to provide an automatic attachment or device for dropping the corn in planting.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation of the device attached to a corn-planter. Fig. 2 is a top view. Fig. 3 is a top view of the wheel, operating-cam, and the axle, illustrating the mode of connection between them. Fig. 4 is a perspective view of a portion of the cam. Fig. 5 illustrates the bracket to which the spring-arm and operating-arm are attached.

A represents a cam, having the raised surfaces a . This cam is suitably attached to the hub of the wheel. Preferably the cam has the annular flange a' cast with it. Through this flange passes the set-screw a^2 , which works against the enlarged part e^3 of the hub of the wheel.

B represents the operating-arm provided at its rear end with the finger b and at its forward end having cut in it the slot b' , the arm being loosely attached to the bracket B' by the set-screw c . This bracket is constructed as follows: A post, d , is fastened to the frame-work by a set-screw, d' , passing through a slot, d^2 . This slot d^2 is elongated to allow post d to be raised or lowered. To this post d is attached the bearing-piece e , having the ears e' , through which and the post d passes the pin e^2 , which holds the parts together. D represents a vibrating seed-slide having the pin D' , which pin works in the slot b' of the arm B. This slide-arm works through the slots in the frame-work or through straps E.

At the rear of the machine I provide the upright piece F, having notches e^3 cut in its outer edge. G is a spring-handle for throwing the device out of operation. It is made, preferably, as shown, and fastened at g to the bracket B' .

The hoppers containing the seed to be planted are designated by the letter H. The

cam A is circular and shaped similar to a pulley. At suitable distances at either side, next the edges h , are suitably secured, preferably by screws h' , the adjustable pieces a . The cam, being rigidly attached to the part a^3 on the wheel-hub, turns with the wheels, and while turning the finger b on the arm B travels around the face of the cam. When the finger strikes the piece a on one side, it rides over the inclined edges of this piece, and thus vibrates the arm B, which in turn imparts motion to the seed-slide D, throwing it from left to right and from right to left in the hopper H, operating the plate in the hopper every time it enters and forcing the grains of corn to drop from the hopper. The pieces a are adjustable, and can be secured to any portion of the periphery of the cam-wheel A by screws, as a^4 .

I may use as many of the adjustable pieces a as I desire, their number being regulated by the rapidity with which I desire to drop the corn. The more I use the faster the corn will be planted.

When the device is in use, the spring-handle G rests in the lower notch and forces the finger down to travel the face of the cam; but when not in use, or when it is desired to make a turn, it is placed in the upper notch in the piece F.

My device can be attached to any corn-planter.

I can use other forms of cams. The arm may be varied, as may the slide. The adjustable pieces a may be of any design, my invention, broadly, lying in the fact that I operate automatically from the hub or axle of the machine.

Features of my invention may be used in other forms of corn-planters.

I am aware that it is not new to provide a corn-planter with an automatic attachment, and hence I do not claim that feature broadly; but

What I claim as new and of my invention, and desire to secure by Letters Patent, is—

1. In an attachment for corn-planters, the seed-slide D, pin D' , slotted cam-lever B, bracket B' , attached to said lever, slotted post d , handle G, and upright F, having notches e^3 , in combination with cam mechanism, substan-

tially as described, for imparting a vibratory motion to the cam-lever B, substantially as set forth.

2. In an attachment for corn-planters, the combination of the adjustable bracket B', upright portion F, carrying notches e^3 , and handle G, loosely attached to the bracket at g , substantially as set forth.

3. In an attachment for corn-planters, the combination of seed-slide D, pin D', slotted

lever B, bracket B', slotted post d , handle G, upright F, cam A, having the detachable throw-pieces a , and mechanism, substantially as described, for securing said cam to the driving-wheel, as and for the purposes set forth. 15

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Attest:

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