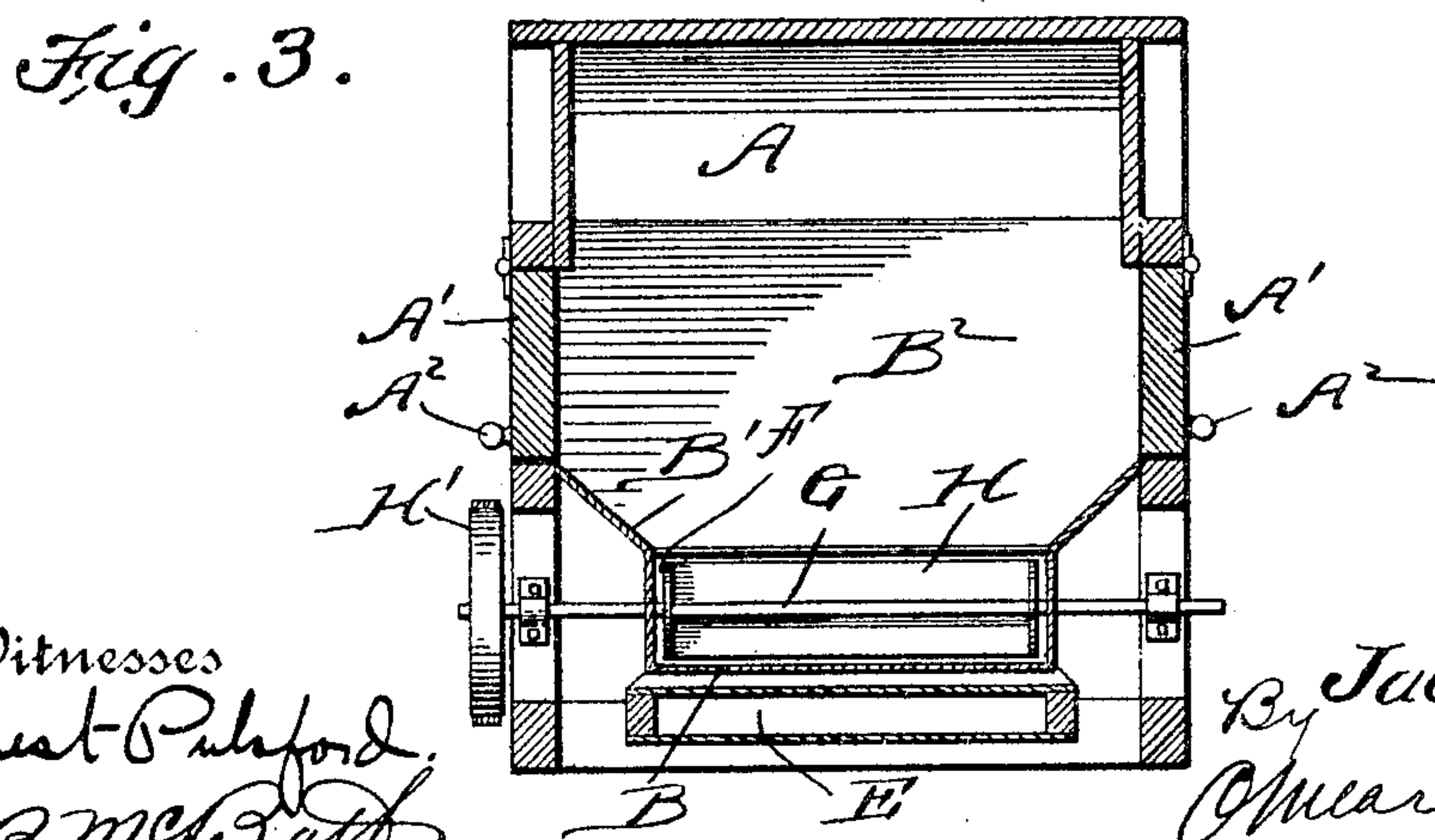
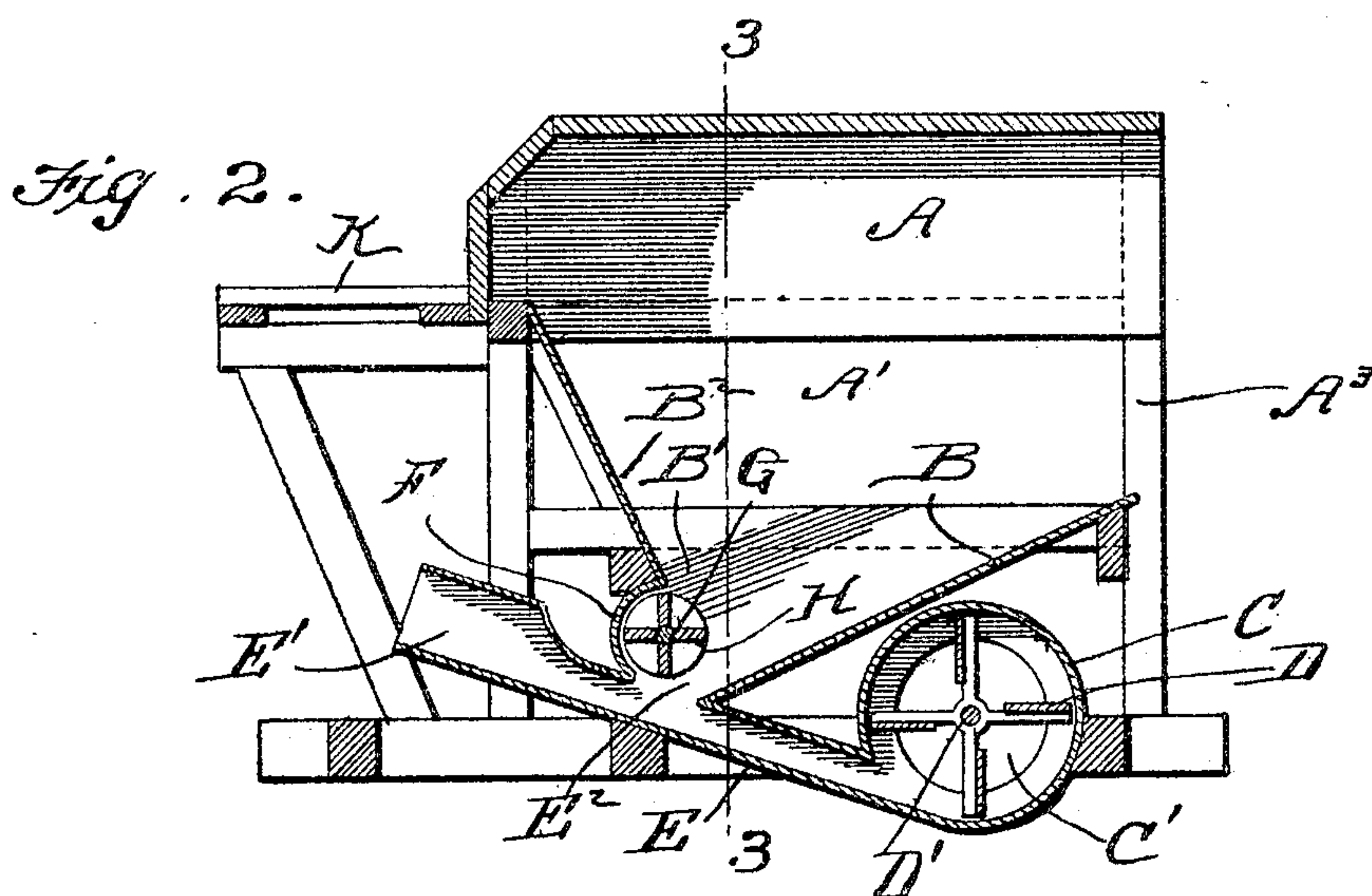
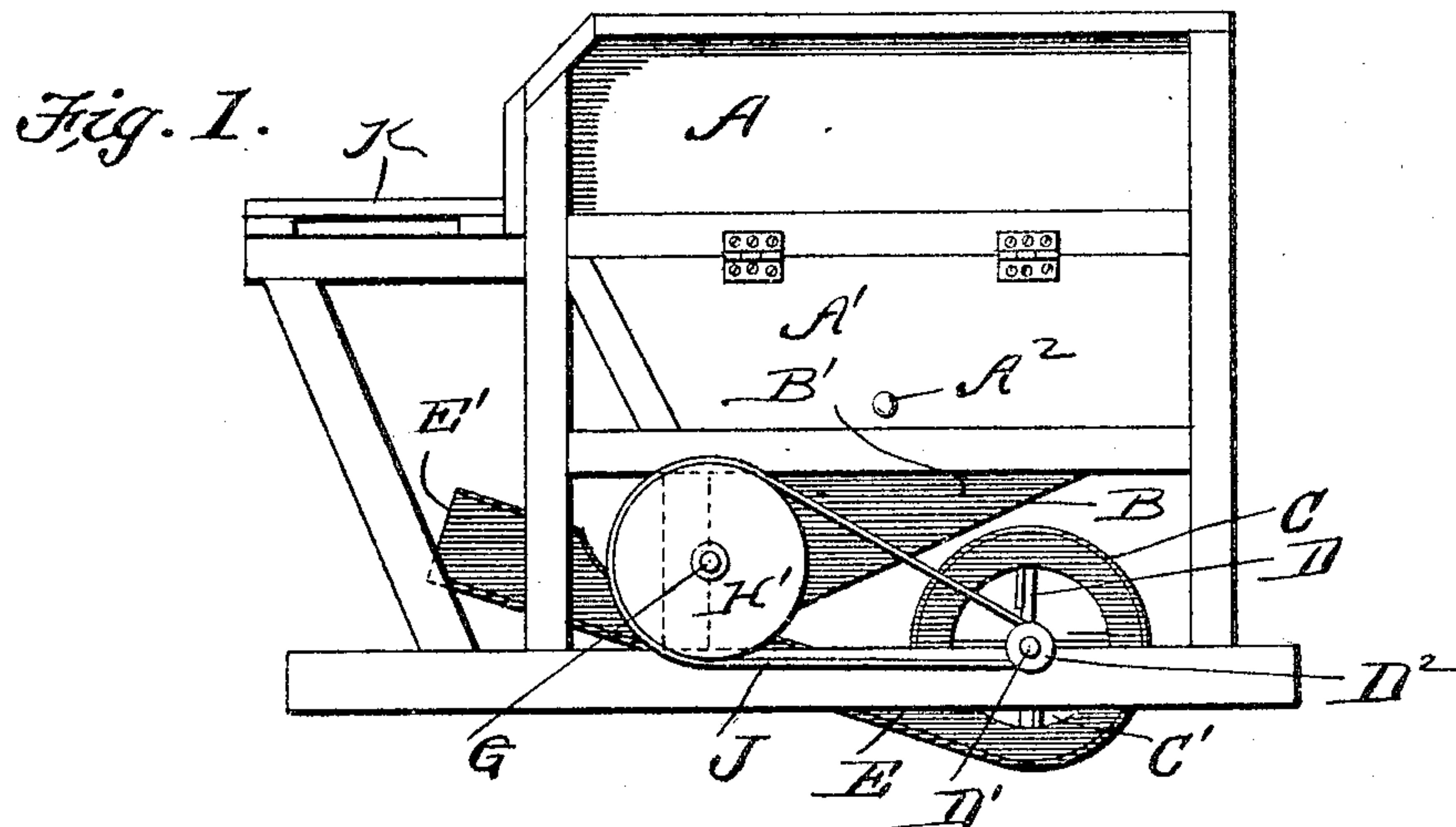


J. WOLF.
STRAW BLOWER.
APPLICATION FILED OCT. 26, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

JACK WOLF, OF PRINCETON, MINNESOTA.

STRAW-BLOWER.

No. 797,881.

Specification of Letters Patent.

Patented Aug. 22, 1905.

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To all whom it may concern:

Be it known that I, JACK WOLF, a citizen of the United States, residing at Princeton, in the county of Millelacs and State of Minnesota, have invented a new and useful Improvement in Straw-Blowers, of which the following is a specification.

This invention relates to a straw-blower intended to take the place of a straw-carrier, and is intended to be connected to a grain-separator, the upper shaker of the separator shaking the straw down into the hopper of my improved straw-blower. Chaff from the grain-pan is also fed from the separator into the hopper of my device.

The object of the invention is to carry the straw away from the rear end of the separator and to obviate the necessity of using conveyers in the form of endless belts or the employment of extra labor to handle the straw manually.

The invention consists of the following described novel features of construction and combination of parts, which are pointed out in the claim and shown in the accompanying drawings, in which—

Figure 1 is a side elevation of my device. Fig. 2 is a vertical longitudinal section. Fig. 3 is a vertical transverse section on the line 3 3 of Fig. 2.

In the drawings I have shown only my straw-blower; but it will be readily understood that it is to be arranged in the rear of the grain-separator, from which it is to be fed, and that it is to be operated from the same source of power used to drive the separator.

The invention comprises a casing A, having doors A' on each side, which are hinged at their upper edges and are opened for the purpose of cleaning out the interior of the hopper by lifting vertically, for which purpose each door carries a knob A². The interior of the casing A is provided with an inwardly-inclined bottom B, inwardly-inclined walls B', sloping downwardly to the said bottom B, and an inclined rear wall B², arranged to the rear of the inclined bottom B. These walls form a hopper adapted to receive the straw and chaff from the separator. The front of the casing A, which is the end adjacent the rear end of the separator, is open, as shown at A³.

Beneath the hopper above described and directly below the inclined bottom B is arranged a fan-casing C, open at the ends, as shown at C', and containing a revoluble fan D, mounted upon a shaft D', the said shaft carrying a pulley D². From this fan-casing extends upwardly and rearwardly a chute E, having at its rear end an enlarged mouth E', through which the straw is discharged. The chute E is transversely slotted or broken away, as shown at E², at the juncture of the lower rear edge of the inclined bottom B and the upper wall of the chute E, thus giving free communication between the hopper and the chute.

The lower edge of the wall B² terminates at some distance above the opening E² and is connected to the rear edge of the said opening by a curved plate F, which plate forms a continuation of the rear wall of the hopper. In the recess thus formed in the said rear wall by reason of the curvature of the plate F is arranged a shaft G, upon which are arranged agitator-blades H within the hopper and upon which is fixed a pulley H' without the casing A. A belt J connects the pulleys D² and H'. The power from the separator or from the source from which the separator is driven may be applied in any desired manner to either the shaft B' or the shaft G.

A platform K is arranged at the rear of the straw-blower, the chute E discharging beneath the said platform, which not only affords a support upon which sacks and other articles may be laid, but also serves as a baffle-plate and prevents dust and chaff from being blown back upon the top of the casing A.

It will be obvious that the straw and chaff will be fed from the separator into the casing A through the opening A³ into the hopper formed by the bottom and side walls of this casing and that the plates H will feed the straw and chaff into the chute E, from which it will be blown by the current of air, due to the rotation of the fan D.

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

A device of the kind described comprising the casing open at its forward end, hinged doors arranged in the sides of the casing, a hopper adapted to form the lower portion and bottom of the casing, the rear wall of said

hopper comprising an outwardly-curved plate, a fan-casing, an upwardly and rearwardly inclined chute leading from the fan-casing and having an opening in its upper wall communicating with the hopper in advance of the said curved plate, feeding mechanism arranged in the recess formed by said

curved plate, a fan in the fan-casing, and means for driving the fan in the feeding mechanism.

JACK WOLF.

Witnesses:

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