

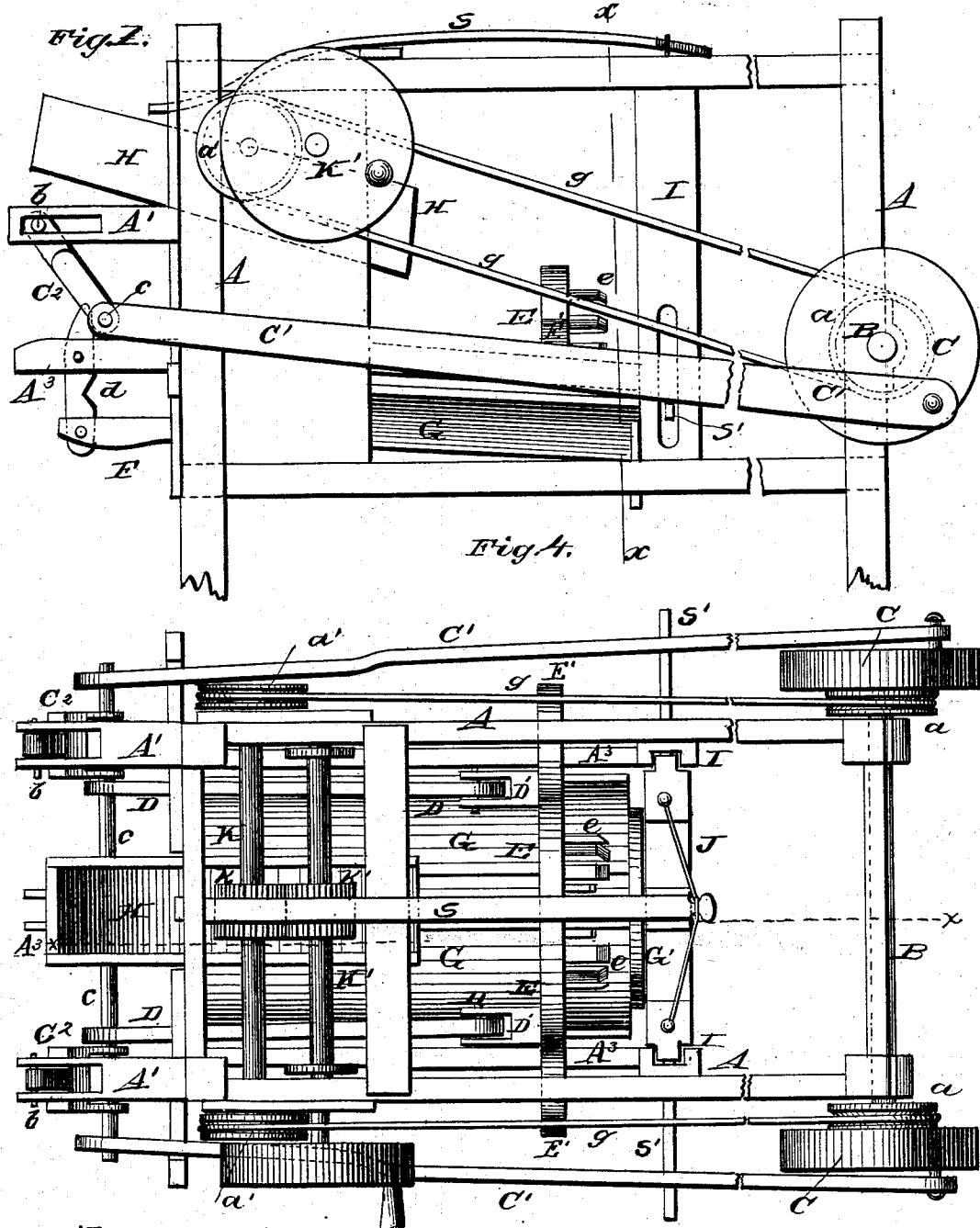
(No Model.)

W. WASHINGTON.
CORN HUSKING MACHINE.

2 Sheets—Sheet 1.

No. 283,173.

Patented Aug. 14, 1883.



Witnesses:

Phil. C. Dittrich.
W. R. Keyworth

Inventor:

Wade Washington.
by:
W. Alexander
Attorney

(No Model.)

2 Sheets—Sheet 2.

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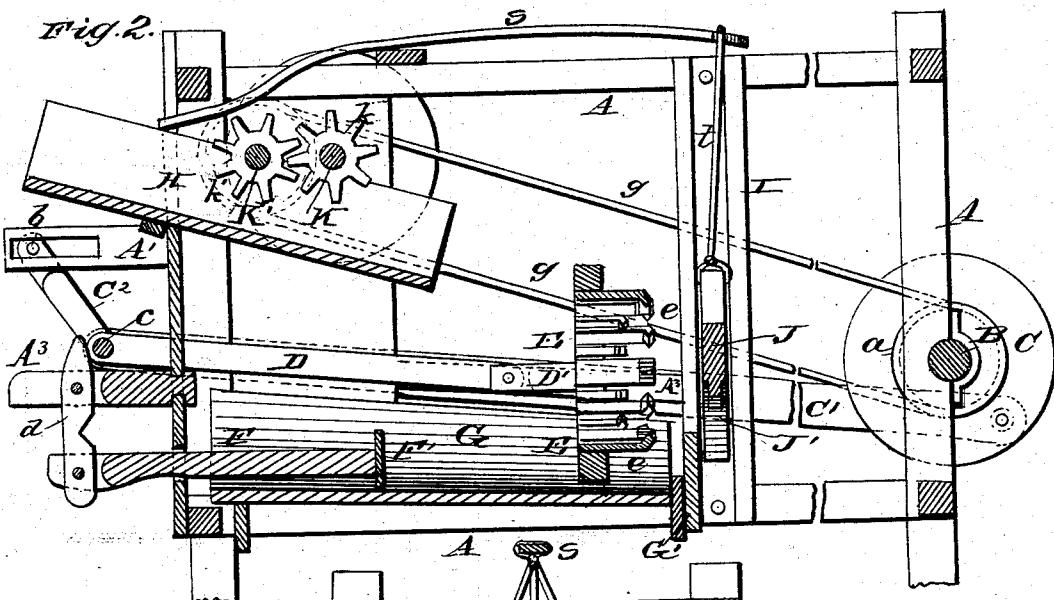


Fig. 3.

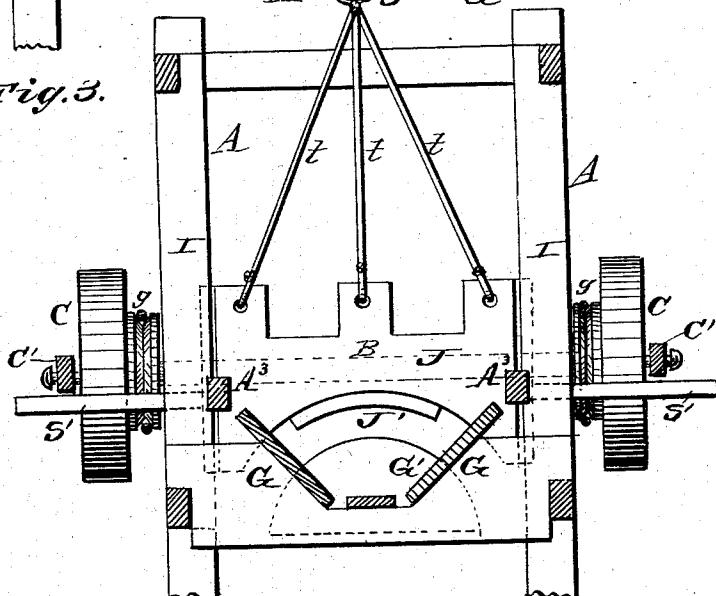
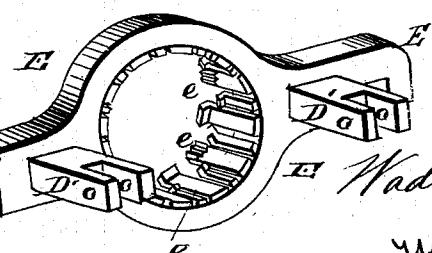


Fig. 5.



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UNITED STATES PATENT OFFICE.

WADE WASHINGTON, OF HUNTINGTON, WEST VIRGINIA.

CORN-HUSKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 283,173, dated August 14, 1883.

Application filed May 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, WADE WASHINGTON, of Huntington, in the county of Cabell and State of West Virginia, have invented certain new and useful Improvements in Corn-Husking Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is an elevation of one side of the improved corn-husker. Fig. 2 is a section taken longitudinally and vertically through the improved machine, in the plane indicated by dotted line $x x$, Fig. 4. Fig. 3 is a section taken vertically and transversely through the machine, as indicated by dotted line $x x$ on Fig. 1. Fig. 4 is a top view of the machine. Fig. 5 is a perspective view of the stripper detached from the main parts of the machine.

My invention relates to corn-husking machinery; and it consists in certain novel devices, which will be fully understood from the following description, when taken in connection with the annexed drawings.

A designates the main frame of the machine, and B the main driving-shaft, to which motion may be communicated by means of a belt or otherwise. On this shaft B are keyed two wheels, C C, and grooved pulleys $a a$, and to wrist-pins eccentrically fixed to the faces of the said wheels are applied the rear ends of pitman-rods C' C', the front ends of which are jointed to the rod c of two swinging arms, C² C'. These arms are hung from pivots b, which are free to slide in slots formed in two arms, A' A', of the main frame. The horizontal transverse rod c, to which the front ends of the pitman-rods are pivoted, has also pivoted to it the front ends of two pitman-rods, D D, which are pivoted to short arms D', that are fixed to the stripper E. Below the rod c, and rigidly secured to the front end of the main frame A, at the middle of the width thereof, is an arm, A³, to which is pivoted one end of a lever, d, the lower end of which is pivoted to the rod F of a follower or feeding-head, F', which receives a rectilinear reciprocating motion in an inclined slatted trough, G. The lever d extends above the arm

A, and this arm is vibrated by contact with the reciprocating rod c, which movement is transmitted to the rod F and its follower. The ears of corn in the husk are fed up to and through the stripper E by the devices above described. The stripper consists of two arms, E', which are notched upon guideways A³, a central ring-frame, and a concentrically-arranged series of beveled spring stripping-teeth, e. The ears of corn are fed into the trough G through a chute, H, and forced through the reciprocating stripper by the follower. At the rear or lowest end of the open slatted trough G is a fixed jaw, G', above which and guided by vertically-slotted pieces II, rigidly secured to the main frame, is a sash, J, having a concave holding-jaw, J', secured to it. This sash is hung from the free end of a spring, S, by cords t t t, and this sash has arms S' S' projecting from each end of it, which are struck by the pitman-rods C' C' while they are descending and during the recession of the stripper and depressed, thereby causing the jaw J' to hold the ear of corn by its stem while the husk is stripped from it. Belts g g are passed around pulleys a a, and also around pulleys a' a' on the shaft K of a driving spur-wheel, k. This spur-wheel engages with a similar spur-wheel, k', on a shaft, K', to which power is applied to drive the machine, which power is transmitted through the belts and pulleys above described to the shaft B of wheels C C.

It will be observed from the above description that the corn in the husk is fed, butts foremost, through a chute and discharged therefrom into the trough G, then forced partly through the stripper by the follower F', gripped between the fixed jaw G' and the holding-jaw J', then stripped by the stripping-fingers e during the recession of the stripper, and discharged from the machine between the jaws J' G' when the sash J is raised.

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

1. The combination of a trough, G, a reciprocating stripper having spring-fingers, jaws J' G', and a follower, all constructed and adapted to operate substantially as and for the purposes described.

2. The combination of a trough, G, a feed-ing-chute, a circular reciprocating stripper having spring-fingers, jaws J' G', a spring, S, connecting-rods C', a follower, the connecting-rod c, and lever d, all constructed and adapted to operate substantially as described.

3. The combination of a movable sash hav-ing laterally-projecting arms and a holding-jaw, a, fixed jaw, rods C', the follower, the stripper provided with arms D', the connect-ing-rod c, the pitman-rods D, and the trough in which the stripper and follower reciprocate, all constructed and adapted to operate sub-stantially as described.

15 4. The combination of the vertically-mova-

ble sash bearing the holding-jaw J', and hav-ing laterally-projecting arms, the suspension-spring cords t, the rods C', the reciprocating stripper and follower, and the trough G, all constructed and adapted to operate substan-tially as described. 20

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WADE ^{his} X WASHINGTON.
mark.

Witnesses:

W. E. PARSONS,
E. S. DOOLITTLE.