

D. Bookwalter.

Corn-Husker.

Nº 83033

Patented Oct. 13, 1868

Fig: 1

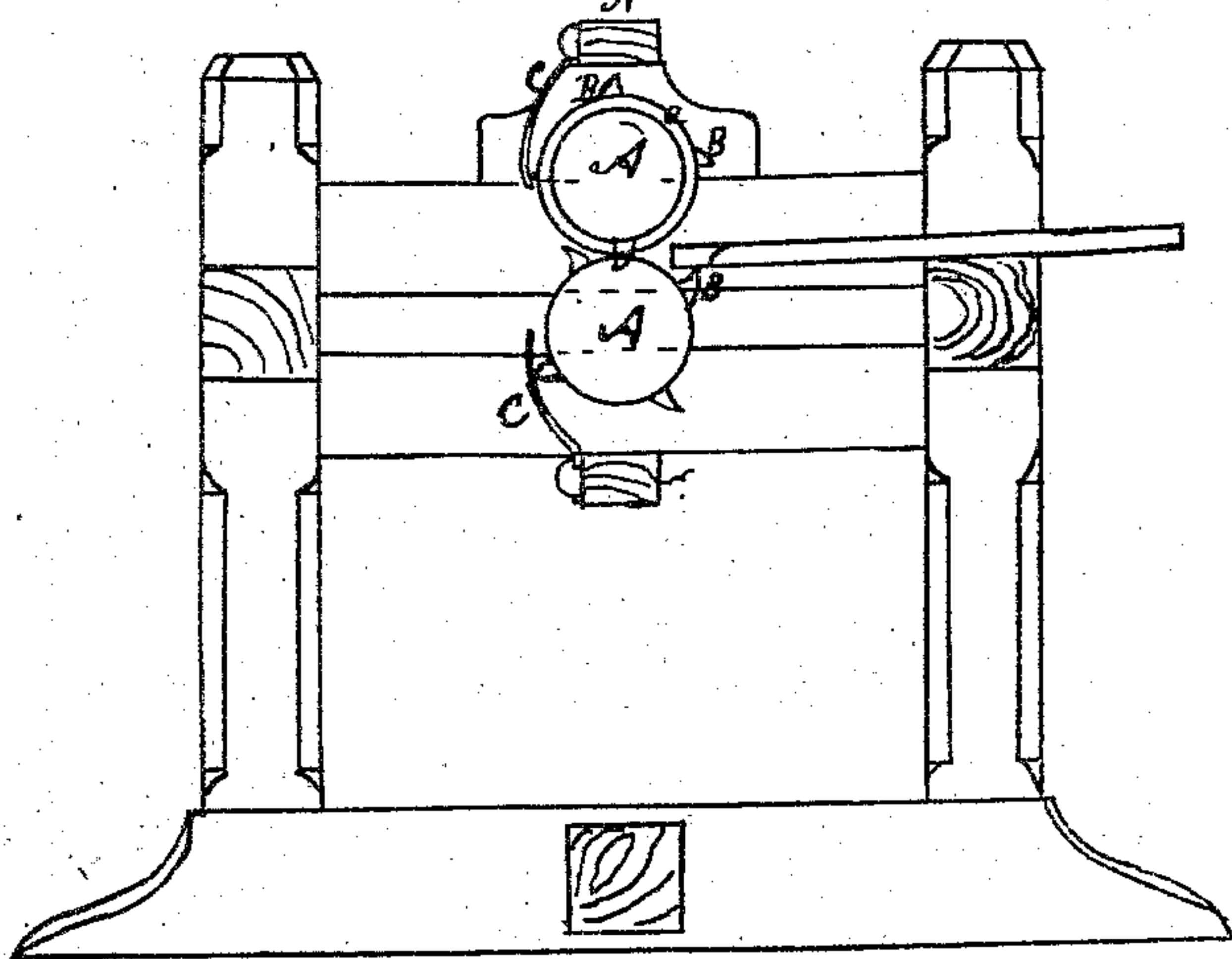
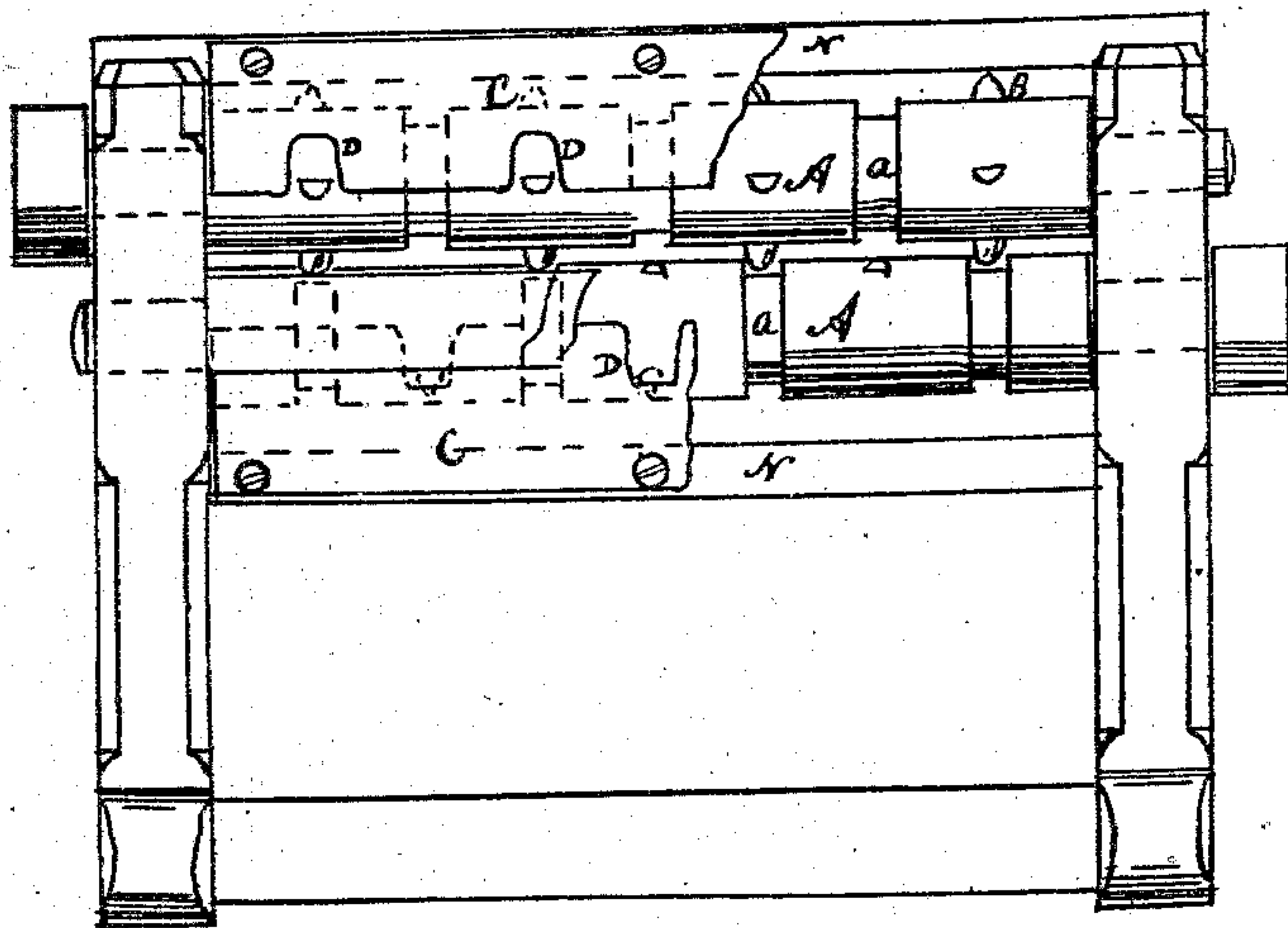


Fig: 2.



Witnesses

H. Grubbe
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Inventor

David Bookwalter

by J. B. Farhin
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United States Patent Office.

DAVID BOOKWALTER, OF GARDNER, ILLINOIS.

Letters Patent No. 83,033, dated October 13, 1868.

IMPROVEMENT IN CORN-HUSKING MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, DAVID BOOKWALTER, of Gardner, in the county of Grundy, and State of Illinois, have invented certain new and useful Improvements in "Corn-Husking Machine;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

Figure 1 is a cross-section, and

Figure 2 a rear elevation of the machine.

The nature of my invention consists in providing the husking-rollers with grooves, so disposed on said rollers that the pegs of one roller would be opposite the grooves of the other roller. It consists also in the arrangement of the cleaners to clean the pegs from the fibres of the husks.

In order to secure satisfactory results from the operation of the corn-husking machines operating with rollers, these last ought to be provided with projecting teeth, of considerable length, to grasp not only the outer but also the inner husks of the ears, while the rollers at the same time should be brought close to each other—two conditions which militate against each other in the ordinarily-constructed rollers.

To remedy this defect, I provide my rollers, A A, with grooves or recesses *a a*, and grasping-pegs B B, in such a manner that, when the rollers are in operation, the grasping-pegs of one roller will pass through and move in the recesses of the other roller.

The rollers thus arranged, by being brought close together, draw the corn-stalks through, while the pegs

grasp the husks, and hold them firmly while the ears are forced out.

To prevent the husks and leaves to wrap around the pegs and rollers, and thus clog the machine, cleaners O O are secured to the cross-pieces N N of the frame of the machine. The cleaner consists of a metallic plate, properly curved, and provided with narrow slots or notches, D D, in one of its sides, while the other side is secured to the frame.

The cleaners are applied to the rollers in such a manner that, as the rollers revolve, their grasping-pegs *a a* pass through said slots or notches, and free themselves from substances attached to them.

The rollers are provided with a proper gear, and the machine can be operated by hand or horse-power, and the rollers can be made of cast-iron or steel.

The operation of the machine consists in this, that the stalks with the ears on are placed on the feed-board E, and presented to the rollers when in motion, butt-end foremost, and, as the rollers revolve, the stalks are drawn through between said rollers, and the ears being too large to pass through, are forced out of the husks, and drop down through the open space between the rollers and the feed-board into a receptacle.

I do not claim the rollers provided with projections, nor fluted rollers for husking corn, generally; but

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

The combination of the rollers A, provided with the grooves *a* and the teeth B; and the shields or cleaners C, all constructed and arranged as shown and described.

Witnesses:

D. BOOKWALTER.

MARTIN S. FINLEY,
S. A. BOOKWALTER.