

(No Model.)

L. D. SWART.
CORN HUSKING MACHINE.

No. 560,868.

Patented May 26, 1896.

Fig. 1.

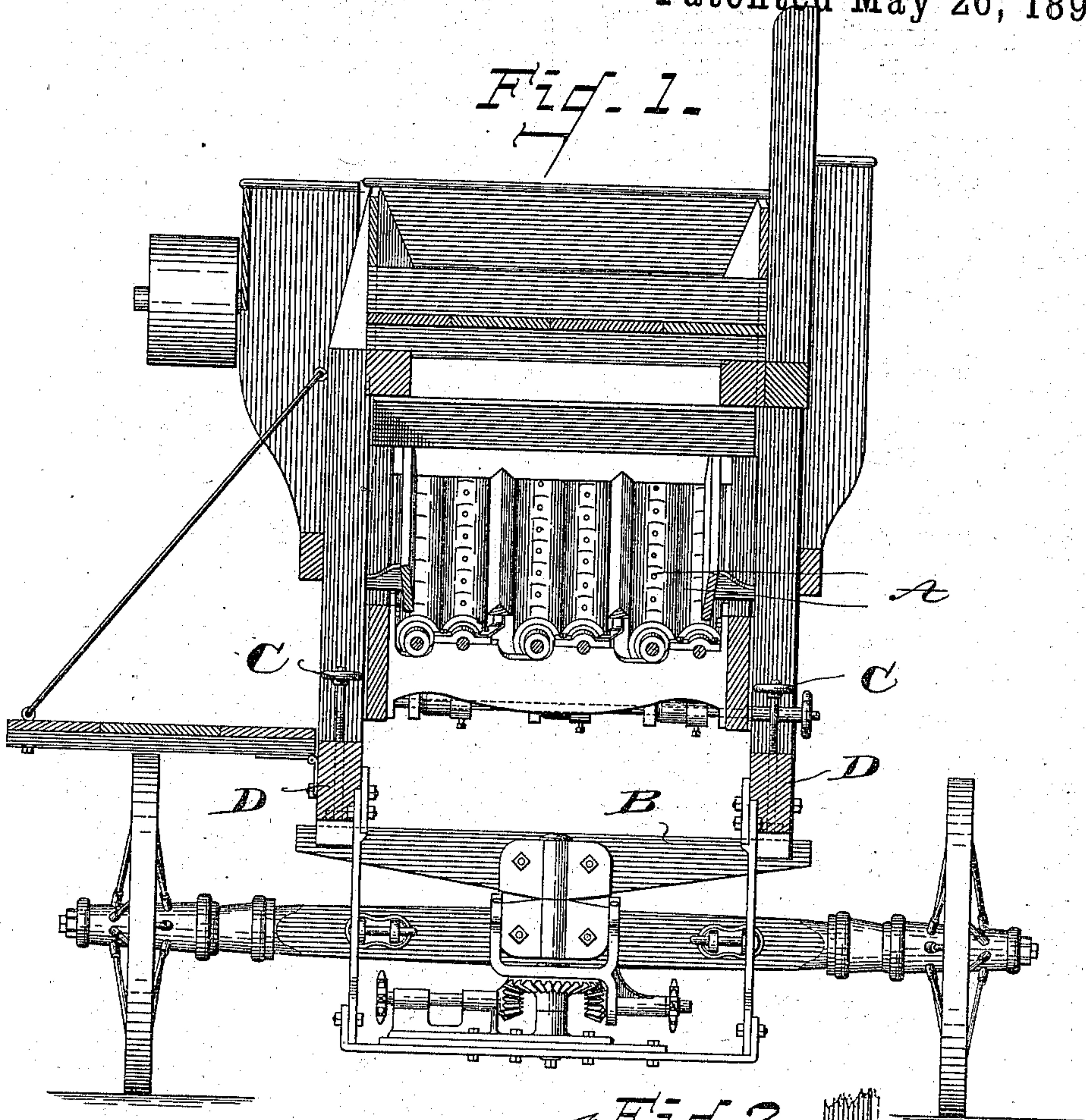


Fig. 2.

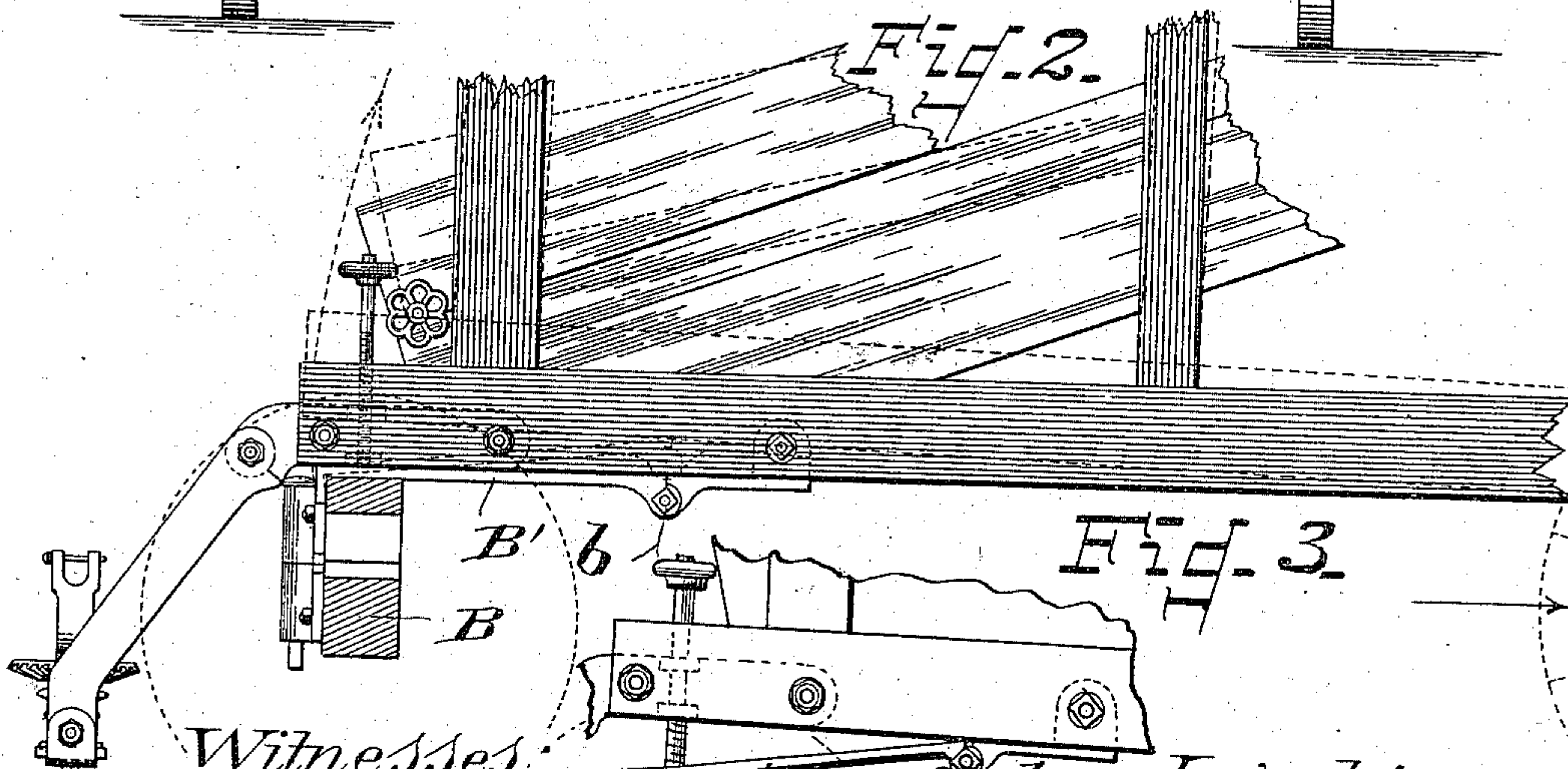


Fig. 3.

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CORN-HUSKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 560,868, dated May 26, 1896.

Application filed November 8, 1895. Serial No. 568,274. (No model.)

To all whom it may concern:

Be it known that I, LESTER D. SWART, a citizen of the United States, residing at Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Corn-Husking Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention consists in the novel features hereinafter described, reference being had to the accompanying drawings, which illustrate one form in which I have contemplated embodying my invention, and said invention is fully disclosed in the following description and claims.

Referring to the drawings, Figure 1 represents an end view, partly in section, of a corn-husking machine embodying my invention. Fig. 2 is a side elevation of a portion of the machine. Fig. 3 is a detail view showing the position of the strap and bolster when the end of the machine is in raised position.

The object of my invention is to provide means for more conveniently regulating or adjusting the pitch of the husking-rollers. Under certain conditions it is necessary to give a considerable angle to the husking-rollers, so that the ears will pass quickly off of the same. At other times it is desirable to have said rollers supported in a more nearly horizontal position, so that the ears may be retained longer upon the rollers to enable the latter to thoroughly strip the husks from the ear. In this class of machines it is customary to mount the husking-rollers in a frame which is pivotally secured in the frame of the machine at its upper end and is adjustable vertically at its lower end. The objection to this method of adjustment is that the frame holding the rollers, being separate from the frame of the machine, must be rigidly stayed to the machine-frame after it is adjusted.

According to my invention the husking-rollers A are mounted in bearings supported

directly by and in the main frame of the machine, and I provide adjusting devices at the rear end of the machine for positively adjusting the machine-frame itself when it is necessary to adjust or vary the pitch of the husking-rolls. In this instance I have shown the rear end of the frame of the machine secured to its supporting-bolster B by a strap B', which is pivotally connected to the sill of the main frame at each side of the machine, these straps being so arranged as to permit the raising and lowering of the frame. The frame is raised and lowered by means of adjusting-screws C C, which engage suitable nuts secured to the sills D of the main frame. By the use of the strap B' the body of the machine is securely held to the bolster or support and at the same time the necessary adjustment is provided.

In the machine illustrated in the drawings there is no reach, and the bolster and front axle are therefore at liberty to assume different positions with respect to the main body of the machine, as indicated in Fig. 3, which shows the position of the parts when the end of the machine has been raised by its adjusting devices.

What I claim, and desire to secure by Letters Patent, is—

1. In a corn-husking machine the combination with the main body of the machine and the husking-rollers mounted in bearings rigidly secured therein, of a supporting-truck for the machine including among its members a horizontal bolster adjacent to one end of said rollers, straps connected to said bolster and pivotally secured to the main body of the machine, and adjusting devices for raising the main body above said bolster, while leaving it connected therewith by said straps, to adjust said husking-rollers, substantially as described.

2. In a corn-husking machine the combination with the main body of the machine, and the husking-rollers mounted in bearings rigidly secured therein, of a supporting-truck for said main body including among its members a horizontal bolster located beneath said

main body adjacent to one end of said husk-
ing-rollers, straps rigidly secured to said bol-
ster at one end and having their other ends
pivotally connected with said main body and
5 the adjusting-screws on the said main body
and engaging said bolster, whereby the end
of said main body and said rollers can be ad-
justed with respect to said bolster without

affecting its connection therewith, substan-
tially as described. 10

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

LESTER D. SWART.

Witnesses:

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