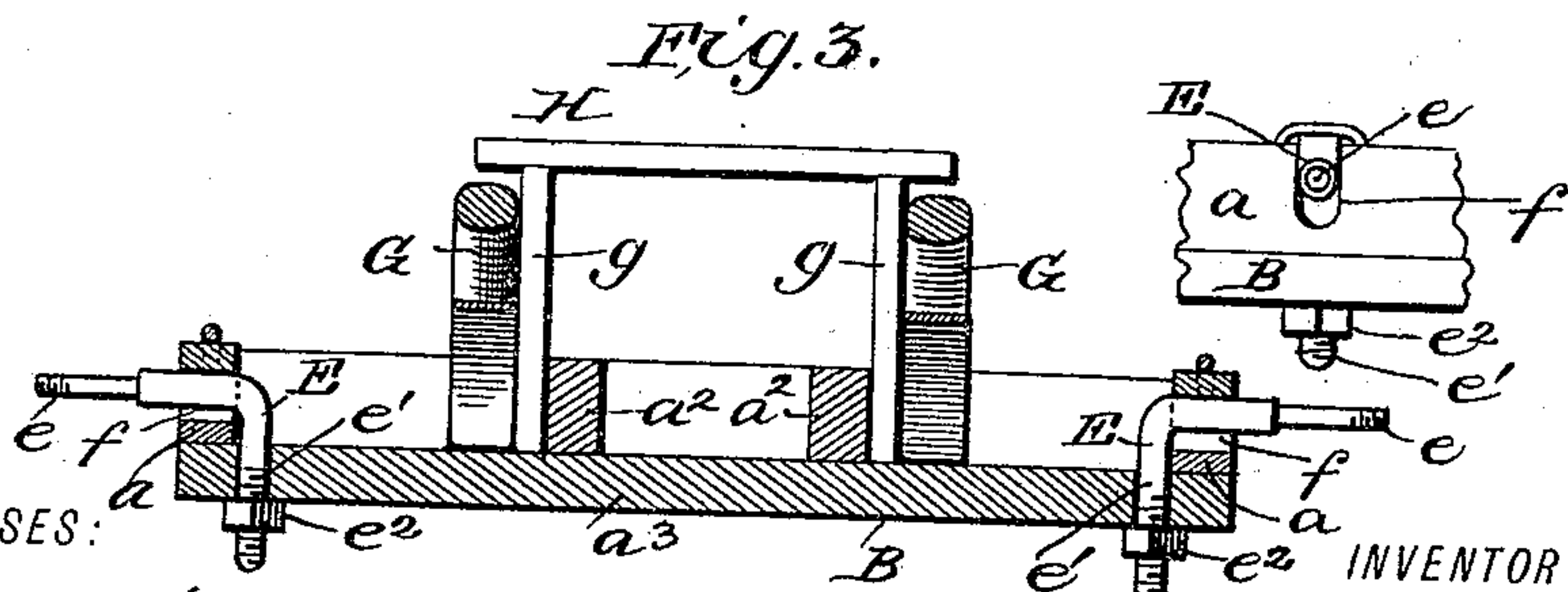
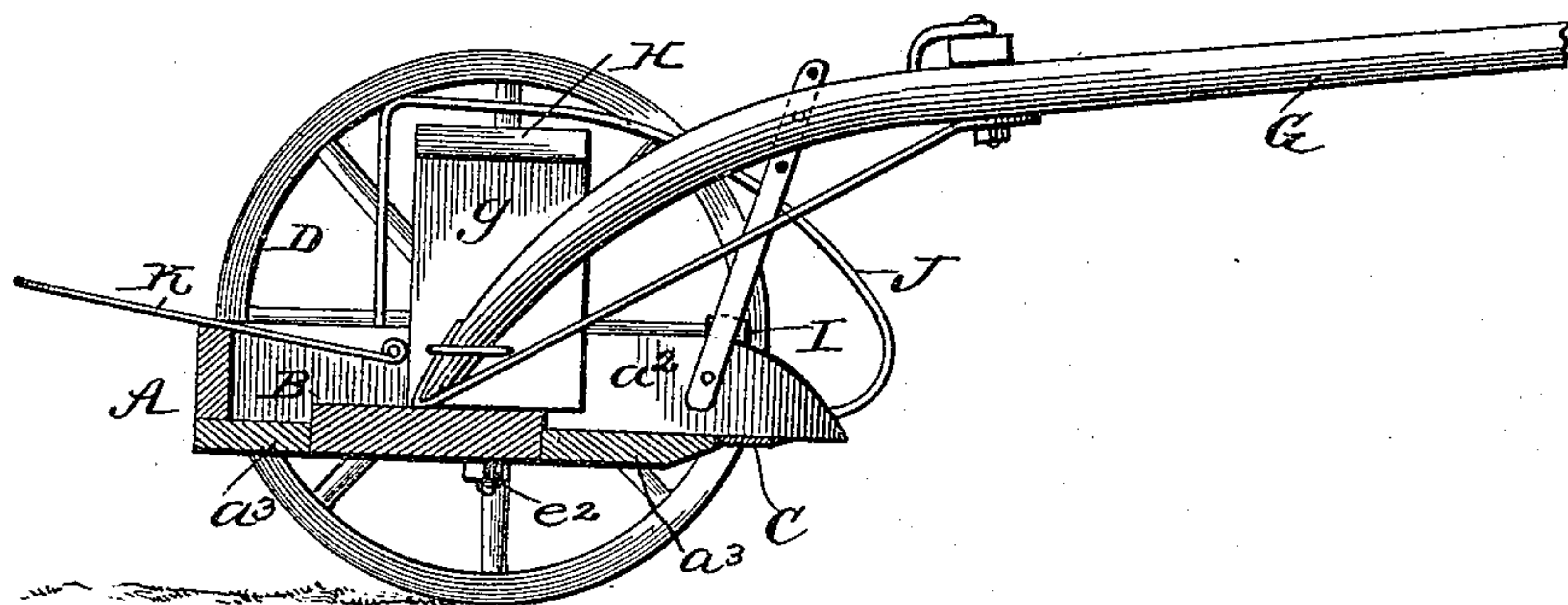
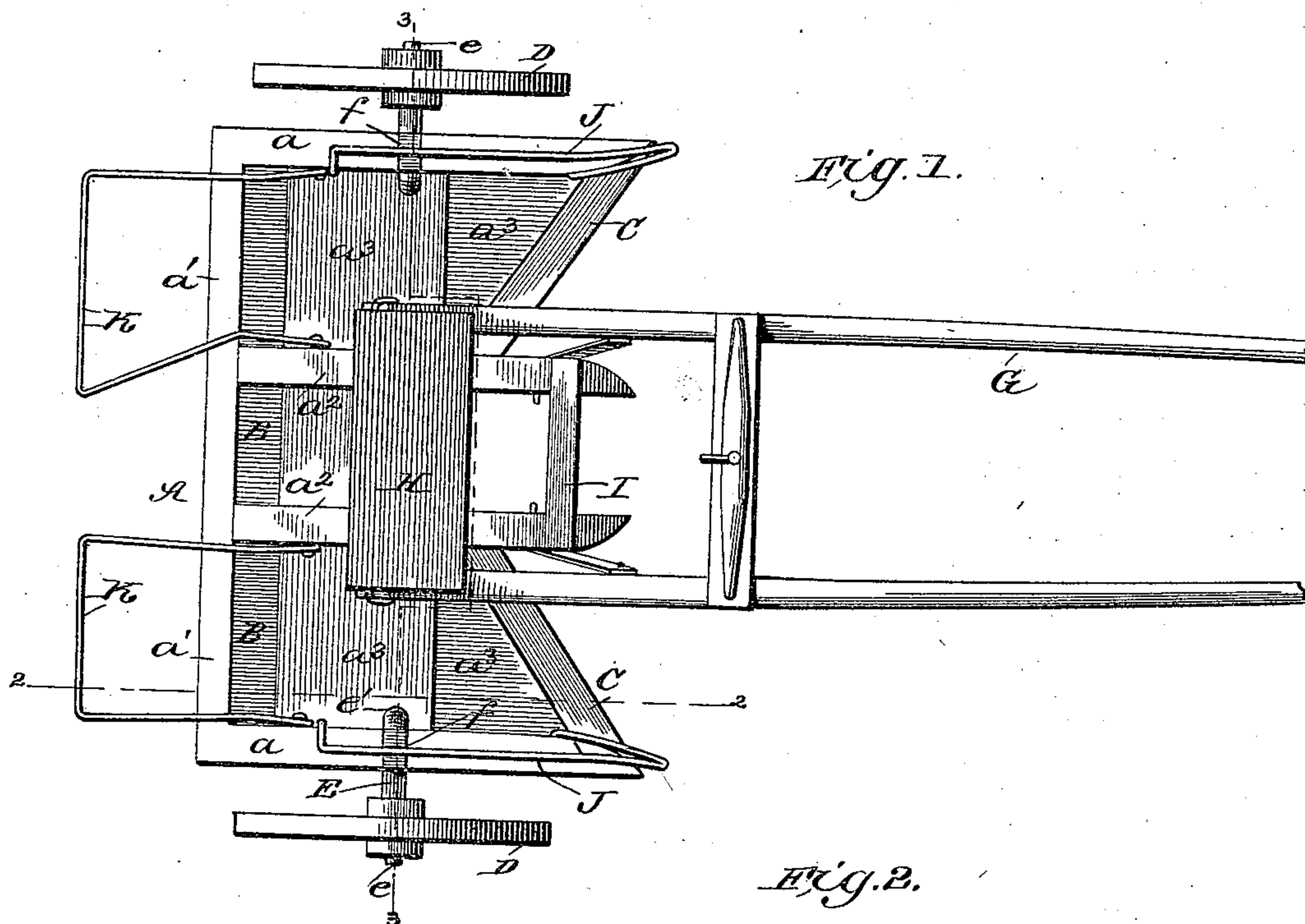


(No Model.)

P. S. LUNDGREN.
CORNSTALK HARVESTER.

No. 448,058.

Patented Mar. 10, 1891.



WITNESSES:

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PETER S. LUNDGREN, OF MARYSVILLE, KANSAS.

CORNSTALK-HARVESTER.

SPECIFICATION forming part of Letters Patent No. 448,058, dated March 10, 1891.

Application filed October 31, 1890. Serial No. 369,987. (No model.)

To all whom it may concern:

Be it known that I, PETER S. LUNDGREN, residing at Marysville, in the county of Marshall and State of Kansas, have invented certain new and useful Improvements in Cornstalk-Harvesters, of which the following is a specification.

My invention which relates to machines for cutting cornstalks has for its object to provide a machine of this character that will be simple in construction, cheap as to cost, and effective for its desired purpose.

My invention consists in certain novel features of construction and peculiar combination of parts, all of which will hereinafter be fully described in the annexed specification, and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a top plan view of my improvements. Fig. 2 is a longitudinal section of the same on the line 2 2, Fig. 1; and Fig. 3 is a transverse section thereof on the line 3 3, Fig. 1.

In the accompanying drawings, A indicates the main frame or body portion, which consists of the side bars a , the rear cross-bar a' , the central longitudinal bars a^2 , and the transverse boards a^3 , secured to the under side of the bars a , such boards forming the bottom B of the machine. By the aforesaid construction it will be seen that the body portion is formed trough-like with forward open ends, such ends being provided with cutters C C, said cutters consisting of blades secured to the under side of the forward ends of the bars a and arranged diagonally to the line of draft, as most clearly shown in Fig. 1 of the drawings.

D D indicate the drive-wheels, which are journaled on the ends e of angular stubshafts E, the vertical members e' of which pass through the bottom B, and are held in place by means of the nuts e^2 .

To render the body A adjustable vertically relative to its supporting-wheels, I arrange the members e of the shafts in vertical recesses f in the sides of the bars a . By this arrangement it will be seen that by tightening or loosening the nuts e^2 the body A can be raised or lowered, such adjustment in prac-

tice being sufficient to allow for the cutting of stubble six to fourteen inches high.

G indicates the shafts, which are connected to the body portion A in a manner clearly illustrated in the drawings, and at the end of such shafts and upon vertical bars g is secured the seat-board H, such board being disposed over the central bars a^2 , as shown.

Upon the forward ends of the bars a^2 a transverse bar I is secured, which serves as a foot-rest, while upon the side bars a and the rear cross-bar a' guard-rails J K are provided, for a purpose presently explained.

To operate my machine, the operators (it taking two men to operate the same) sit back to back on the seat, each with one foot resting on the foot-rest I, the other foot swinging on the outside of the seat toward the corn-rows. By reference to Fig. 1 of the drawings it will be observed that the machine operates on two rows of stalks at the same time, the horse traveling between the rows. Now as the machine proceeds forward the men, sitting in opposite directions, catch the cut stalks and throw them back onto the platform-bottom B, and when the said platform is full one of the men steps off behind while the other steps off from the side. The fenders or guides J on the sides a serve to pick up the leaning corn and to hold said leaning corn from the drive-wheels while the guides K keep the cut corn from falling out behind onto the stubble.

By arranging the shafts and knives in the manner shown and described it is impossible for the horse to back up against the knives and be injured thereby.

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

1. An improved corn-harvester, consisting of the body portion A, formed of the side bars a , the cross-bar a' , the central longitudinal bars a^2 , and the boards a^3 , secured to the bottom of said bars, whereby a trough-like body B, having open ends, is formed, knives C, secured to the forward under ends of the bars a and disposed diagonally to the line of draft, the shafts secured to the bars a^2 between the cutters, the seat-bar H, the cross-piece I, the guards J K, and the sup-

porting-wheels, all arranged substantially as and for the purpose described.

2. In a corn-harvester, the combination, with the body portion formed with side bars
5 $a' a'$, having vertical recesses f , of the supporting-shafts E, each formed of a horizontal member e and a vertical member e' , said member e' passed through the bottom of the body, as shown, the member e seated in the

recess f , the supporting-wheels mounted on the member e , and means for adjusting the body A on the said bent shafts E, substantially as and for the purpose described.

PETER S. LUNDGREN.

Witnesses:

CHAS. S. KOVESTER,
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