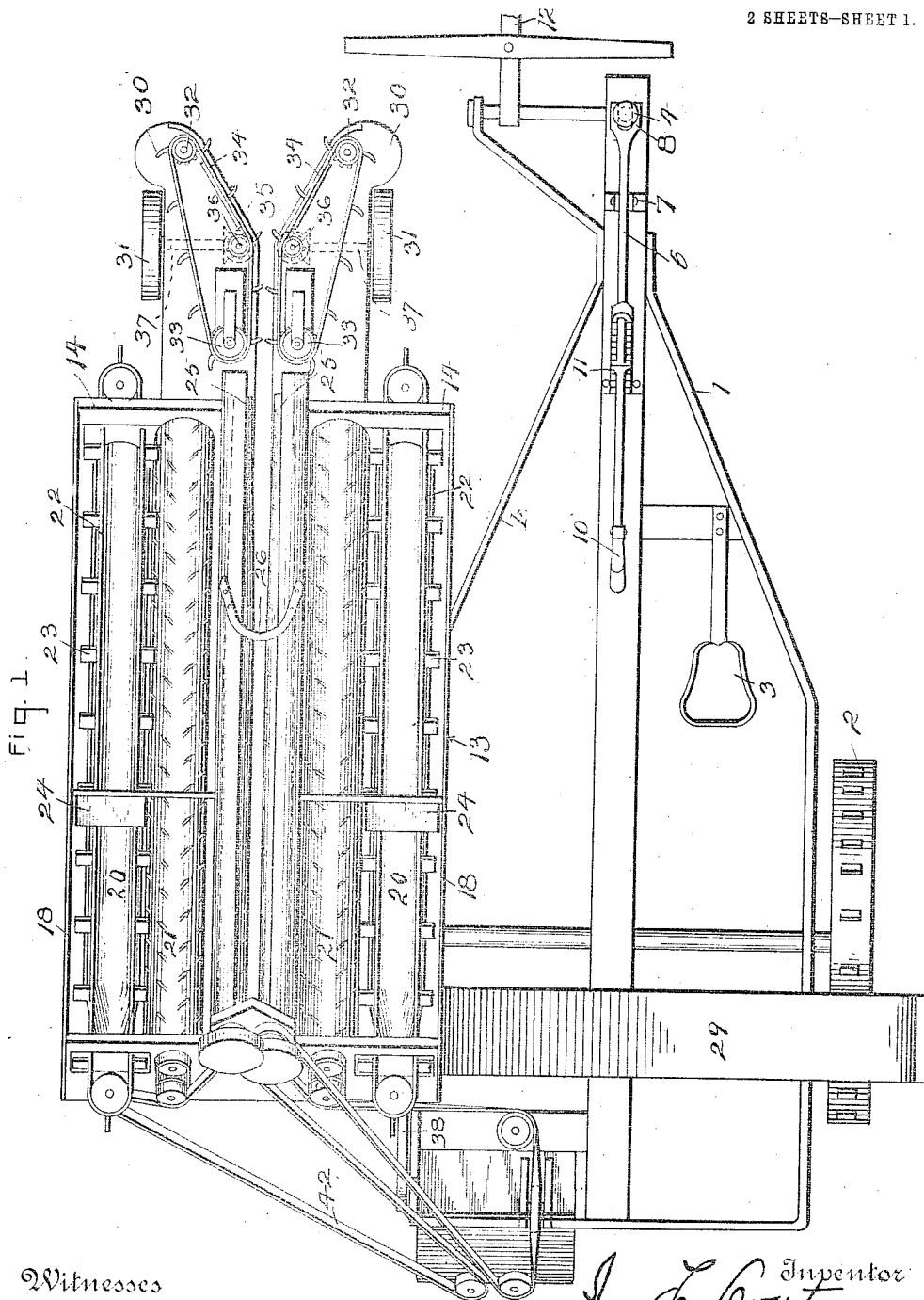


J. C. OVERTON.
CORN HUSKER.
APPLICATION FILED FEB. 5, 1910.

979,690

Patented Dec. 27, 1910.

2 SHEETS—SHEET 1.



Witnesses
Mac E. Connor
Olive D. White

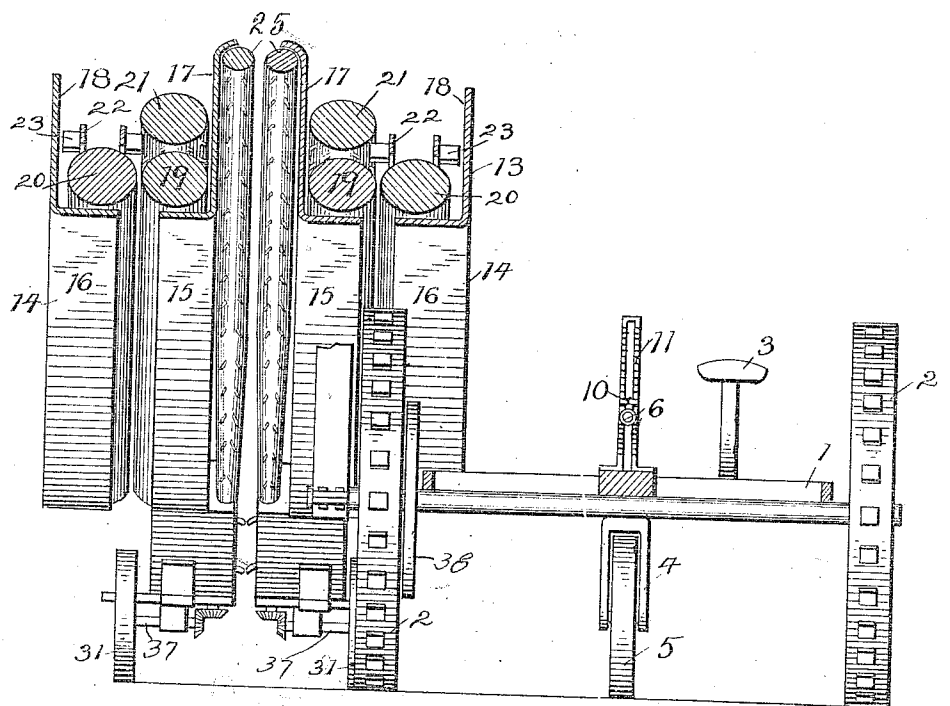
J. C. Overton Inventor
By *W. A. Jones* Attorney

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Fig. E.



Witnesses
Max E. Connor
Olive D. White

Inventor
J. C. Overton
by C. A. Ruesch, Attorney

UNITED STATES PATENT OFFICE.

JESSE C. OVERTON, OF OMAHA, NEBRASKA, ASSIGNOR OF ONE-HALF TO JOHN SCHWABLAND, OF FORDYCE, NEBRASKA.

CORN-HUSKER.

979,690.

Specification of Letters Patent.

Patented Dec. 27, 1910.

Application filed February 5, 1910. Serial No. 542,176.

To all whom it may concern:

Be it known that I, JESSE C. OVERTON, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented new and useful Improvements in Corn-Huskers, of which the following is a specification.

My invention relates to and comprehends certain improvements in corn harvesters and especially in the husking rolls, the elevators associated with the same, and the operating mechanism therefor.

A structural embodiment of the invention is illustrated in the accompanying drawings in which:

Figure 1 is a top plan view of the machine. Fig. 2 is a transverse sectional view of the machine showing particularly the relative position of the stripping and husking rollers.

Referring more particularly to the drawings, 1 designates the supporting frame of the machine having wheels 2 and provided with a driver's seat 3. The front end of the frame is adjustably supported on the fork 4 of the wheel 5, through the medium of a lever 6 pivotally mounted at 7 on the frame 1, which lever has a fork 8 pivotally secured to the upper end of fork 4. Mounted upon said lever 6 is a pawl 10 adapted to co-act with a segmental rack 11.

Upon frame 1 there is rigidly mounted an inclined rectangular box-like frame 13 which consists of two longitudinally-arranged trough-shaped sections 14, said sections being each composed of longitudinally spaced bottom pieces 15 and 16, and inner and outer side pieces 17 and 18.

Mounted contiguous to the base of each section 14 are parallel opposing rolls 19 and 20, having roughened surfaces, the rolls 20 being tapered at their upper ends.

In superposed relation to said rolls 19 are rolls 21 having prongs upon their surfaces. Mounted above each of the rolls 20 is an endless elevator 22 having buckets 23 operating in the space between the rolls. Mounted over said elevators are depending gates 24.

It will be noted, particularly by inspection of Fig. 2, that the upright inner sides 17, 17 of the two frame sections 14 are inwardly curved at their upper longitudinal edges, so as to partially cover rollers 25, 25 which latter have roughened surfaces and diverge slightly at their lower ends.

Toward the lower end of the members 17, their inclined edges are connected by an arch member 26, so constructed and located as to force the higher stalks downward to permit the rollers 25 to have full effect in their stripping operation.

Hingedly connected to the frame 13 at its lower front end are complemental divergent platforms 30, 30 having their free ends supported by wheels 31, 31. Idle sprockets 32, 32 and 33, 33 are located at opposite ends of said platforms and serve as guides for pick-up chains 34, 34. At the front where the platforms 30 diverge, driving sprockets 35, 35 are mounted upon shafts 36, 36 which are geared to axles 37, 37 of the wheels 31, 31.

The rollers of the machine are all driven by a main belt 38 running over a pulley secured to the axle of the rear wheels 2, which drives an endless belt 42 through the medium of suitable gearing, (not shown).

In operation, my machine is pulled into a corn field and alined with a row of corn. After this, forward travel of the machine causes the corn stalks to pass between the platforms 30, 30 in which they are assisted by the pick-up chains 34. By these pick-up chains, the stalks are delivered to the rollers 25 which serve to strip the ears from the stalks. These ears fall upon the members 17 and roll onto the rollers 21 and thence in between the rollers 19, 20 and 21 and the elevator 22. The member 26 causes the stalks to be stripped by the rolls before moving further upward. The ears are elevated by the elevator 22 and are simultaneously being pierced by the points on rollers 21 and shucked by the rollers 19 and 20. The gate 24 is provided to permit only one ear to pass upward at a time. During the travel of the ears upward the shucks drop between the rollers 19 and 20. When the ears reach the upper end of the rollers, the tapered structure of the rollers 20 permits them to pass through the spaces between the latter rollers and the adjacent rolls 19 onto a suitable elevator, (not shown) by which they are carried to a receptacle.

The lever 6 permits variation of the angle of the frame 1 and thereby the box-frame 13. It will also be apparent that the hinge connection between the box-frame 13 and the platforms 30, 30 permits automatic variation of their relative positions.

Having thus described my invention, what

I claim as new and desire to secure by Letters Patent, is:—

1. In a machine of the class described, the combination, with a pair of stripping rollers, 5 of a pair of husking rollers disposed upon each side of said stripping rollers, a vertical member disposed between each stripping roller and the adjacent pair of husking rollers and having its upper longitudinal edge 10 curved over the former roller, to guide the stripped ears to said husking rollers, and means for driving all of said rollers.

2. In a machine of the class described, the combination of a box-like frame and a support therefor, a pair of parallel stripper rollers arranged longitudinally of said frame 15 and midway between the sides thereof, a pair

of husking rollers disposed between each stripper roller and the adjacent frame side, a pair of vertical members arranged longitudinally of said frame and interposed each 20 between one of said stripper rollers and the adjacent husking roller, each of said members having its upper longitudinal edge curved over the adjacent stripper roller, to 25 guide the stripped ears to said husking rollers, and means for driving all of said rollers.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JESSE C. OVERTON.

Witnesses:

GEORGE W. MEREDITH,
ADOLPH TIELKE.