

(No Model.)

J. W. McALISTER.
HARVESTING MACHINE.

No. 356,656.

Patented Jan. 25, 1887.

Fig. 1.

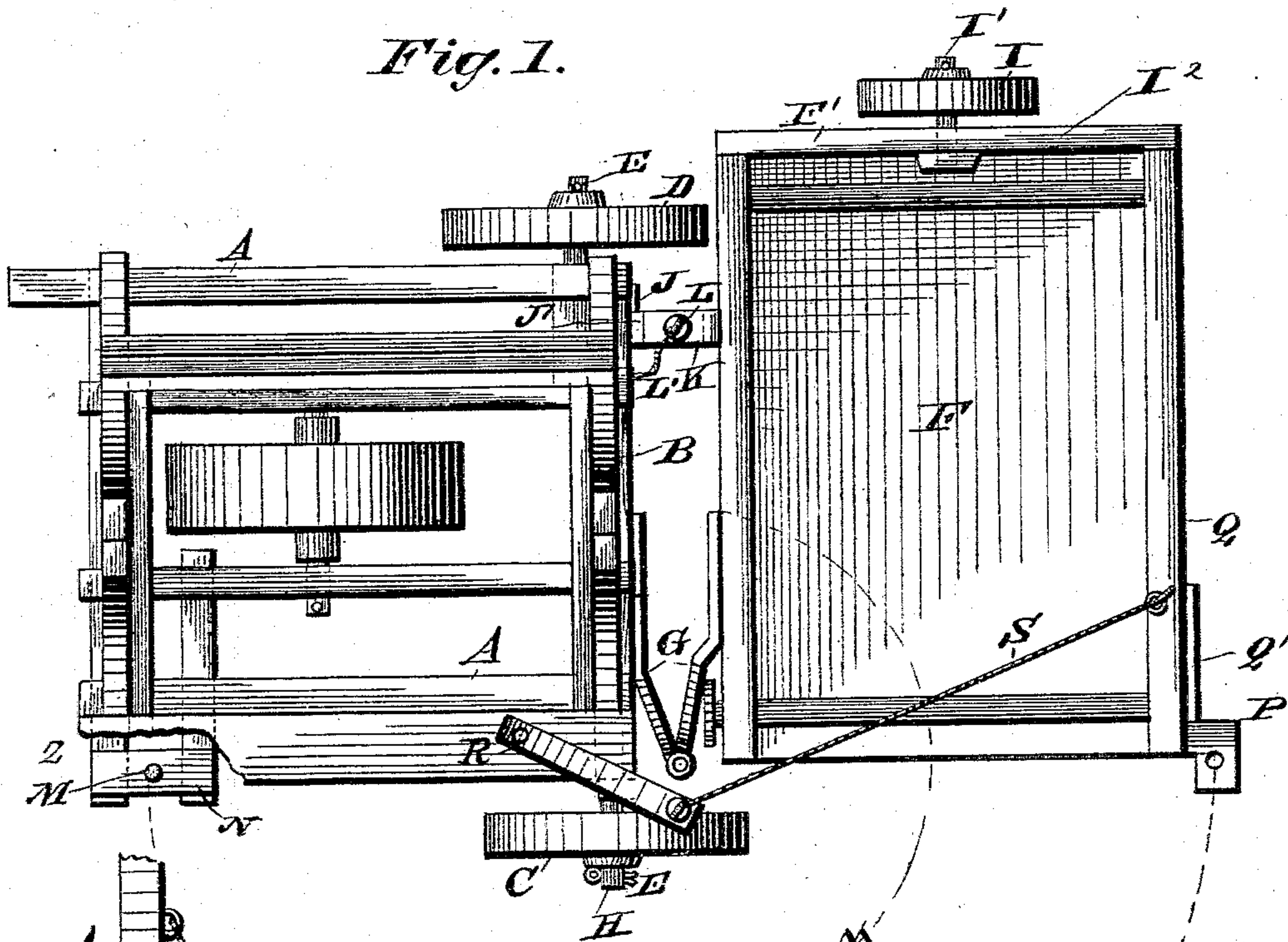


Fig. 2.

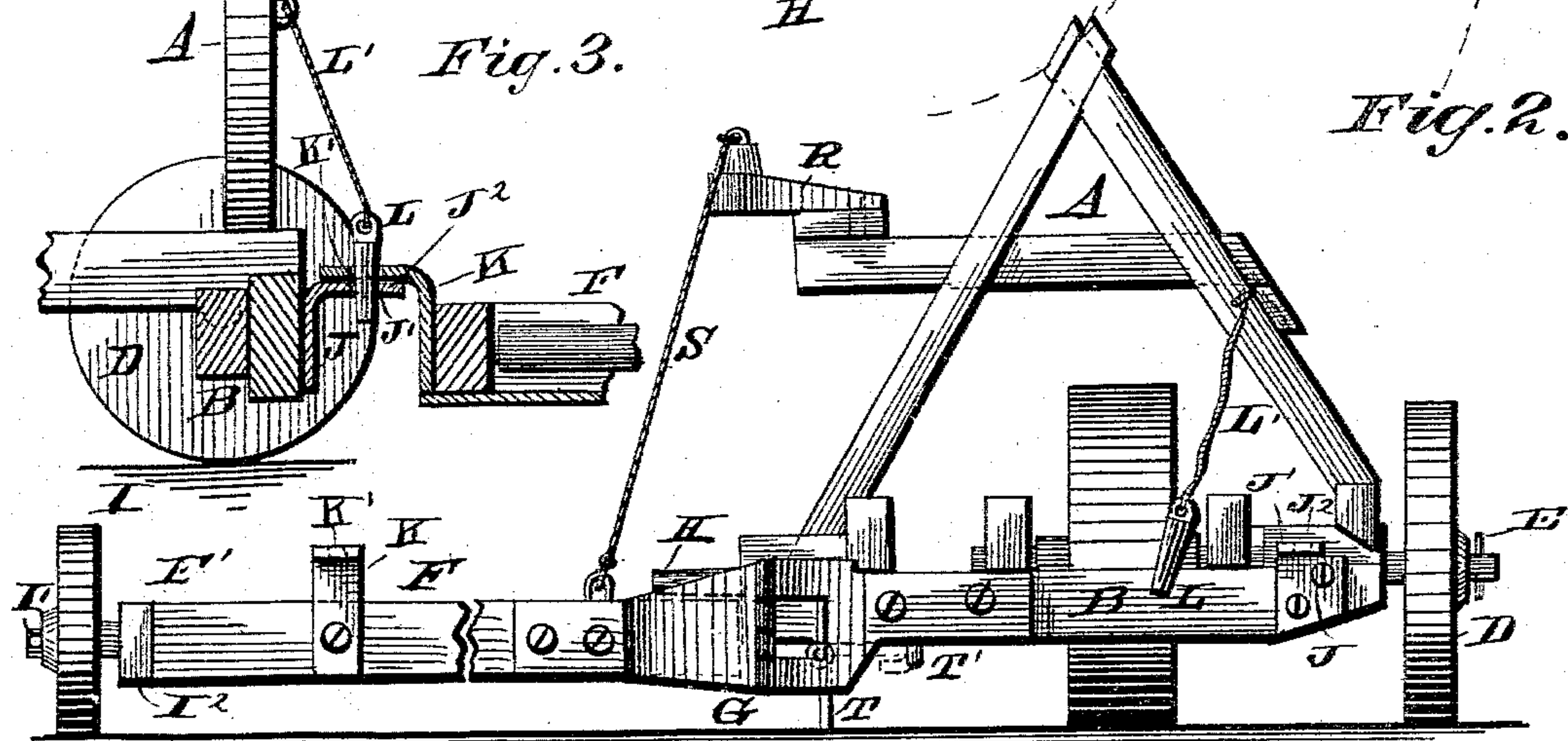
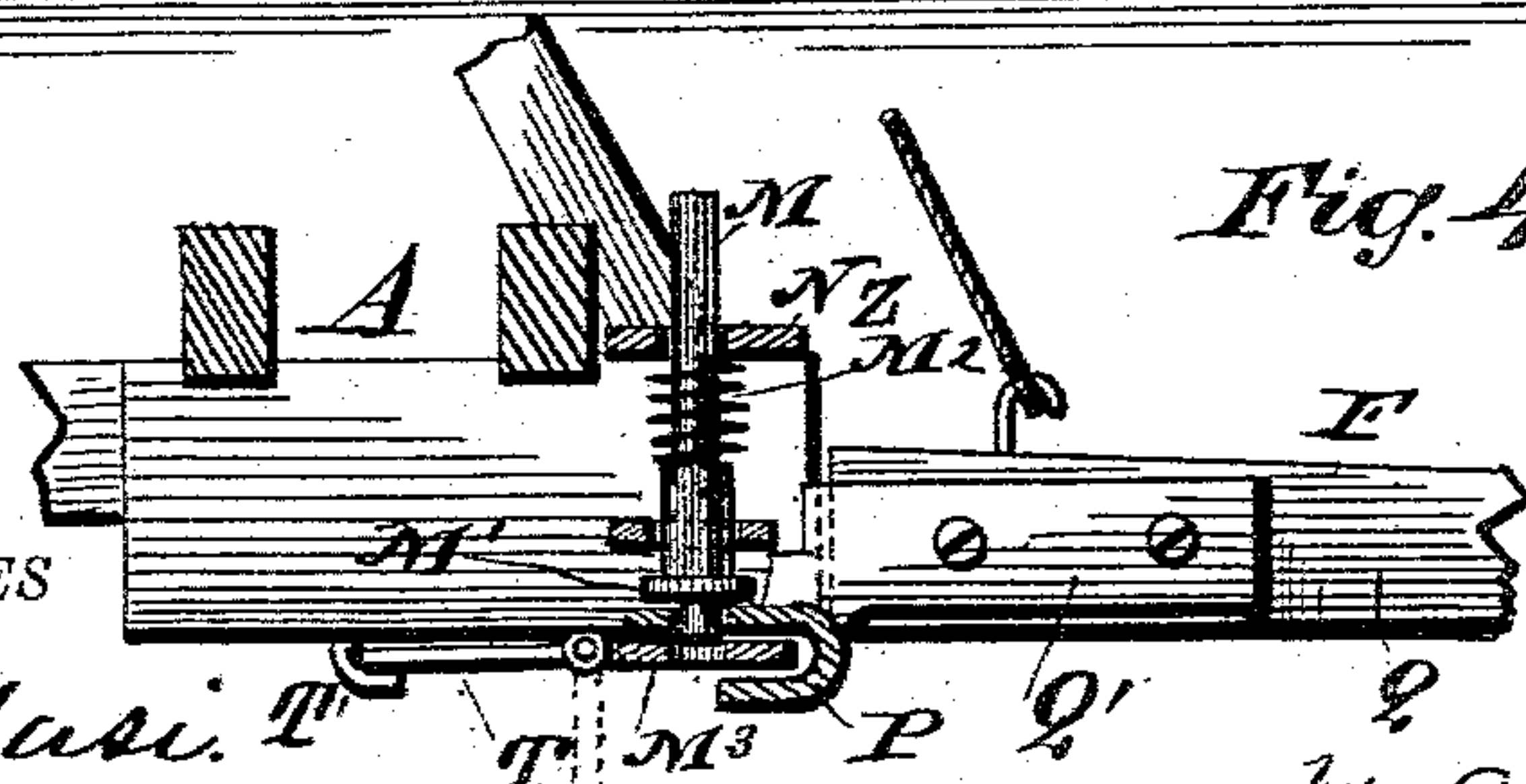


Fig. 4.



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JORDAN W. McALISTER, OF WOODSON, ILLINOIS.

HARVESTING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 356,656, dated January 25, 1887.

Application filed March 29, 1886. Serial No. 196,971. (No model.)

To all whom it may concern:

Be it known that I, JORDAN W. McALISTER, a citizen of the United States, residing at Woodson, in the county of Morgan and State of Illinois, have invented certain new and useful Improvements in Harvesting-Machines; and I do 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a plan view showing the platform in one position. • Fig. 2 is an end elevation showing the same in another position. Fig. 3 is a sectional detail. Fig. 4 is a similar view.

My invention relates to binder harvesting-machines; and it consists in the construction and novel combination of parts, as hereinafter set forth, and pointed out in the claims.

Referring by letter to the accompanying drawings, A designates the main frame, which is provided with the supplemental axle B at its rear side, upon which the carrying-wheels C and D are journaled, and are readily removable therefrom, being held in place by linch-pins E.

F is the grain-platform, which is connected to the rear face of the supplemental axle B by an open hinge, G, which extends out rearward from the axle, and when opened to assist in supporting the grain-platform in the working position extends out beyond the end of the journal H, from which the carrying-wheel C has been previously removed.

The grain-platform F is provided at its end F' with a small grain-wheel, I, journaled on a short shaft, I', which extends out laterally from the end rail, I², of said platform.

Near the outer rear corner of the main frame the axle B is provided with a rearwardly-projecting angle-iron, J, which has a pin-hole, J', made vertically through its projecting arm J². The rear longitudinal rail of the hinged platform F is also provided with an angle-iron, K, having a pin-hole, K'. When the platform has been swung around in rear of the main frame A, the angle-iron K will be

moved under the angle-iron J, and the pin-holes in the horizontally-projecting arms of said angle-irons will be brought into alignment to receive the locking-pin L, which is attached to the reel-frame by a chain, L', so as not to permit the pin L to be lost when out of its seat.

The main frame A is provided at its forward corners, Z, with a vertical locking-pin, M, which is provided with a collar, M', near its lower end, and an encircling-spring, M², which holds the pin normally in the locked position—that is, said spring M² holds the lower end of the locking-pin M in the keeper-plate M³, secured to the under faces of the frame-timbers at this point. The upper end of the locking-pin M projects above the upper plate, N, so that it may be grasped to raise it out of its keeper-plate, to lock and unlock the hinged grain-platform, the latter being provided with a perforated hook-shaped casting, P, which is secured to the front rail, Q, of the platform by screws passed through its arm Q', so that the hook P may be presented under the locking-pin when the latter is raised to receive the point of the locking-pin when released and permit the pin to pass through and into its seat below, thus holding the grain-platform, the cutter-bar, &c., in the working positions.

The front rail of the hinged platform is connected with an arm, R, on the main frame of the harvester by a guy wire or chain, S, so that when the platform is disengaged from the locking-pin and is being swung around to the rear of the main frame the guy-wire will support the corner of the platform with which it is connected.

The axle is provided on its under, face near the end from which the wheel is to be removed, with a hinged jack, T, which is held in the closed position by a button, T'. This hinged jack T is to be let down when the wheel is to be removed or to be put in place again, so that the removal or replacement of the wheel may be easily effected.

The hinged platform moves in a horizontal plane when swung around in either direction, and the small wheel at its end and the guy-wire sustain it while being swung around.

When the platform is swung around in rear

of the main frame, the width of the machine is reduced practically to the width of the main frame.

5 The reel will in all cases have to be taken out of its bearings and placed on the platform in rear of the main frame. As most reels are very easily detached it is not deemed essential here to describe them.

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

1. The combination, with the main frame, the supplemental axle, removable riding-wheels on the axle, the perforated angle-iron 15 near the outer rear corner, and the open hinge near the other corner of the platform, of the hinge, the platform angle-iron on the rear wall of the grain-platform, the grain-wheel for the said platform, the perforated hook-shaped

casting on its rear side, the guy-wire, the 20 spring-pressed locking-pin, and plates, substantially as specified.

2. The combination, with the main frame, the supplemental axle, the removable wheel on the said axle, the grain-platform, and its grain- 25 wheel, of the hinge G, connecting the grain-platform to the main frame, the guy-wire, the perforated angle-irons on the supplemental axle, and the grain-platform, and the pin for connecting the said angle-irons, substantially 30 as specified.

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

JORDAN W. McALISTER.

Witnesses:

JOHN R. HENRY,
WILLIAM COLTON.