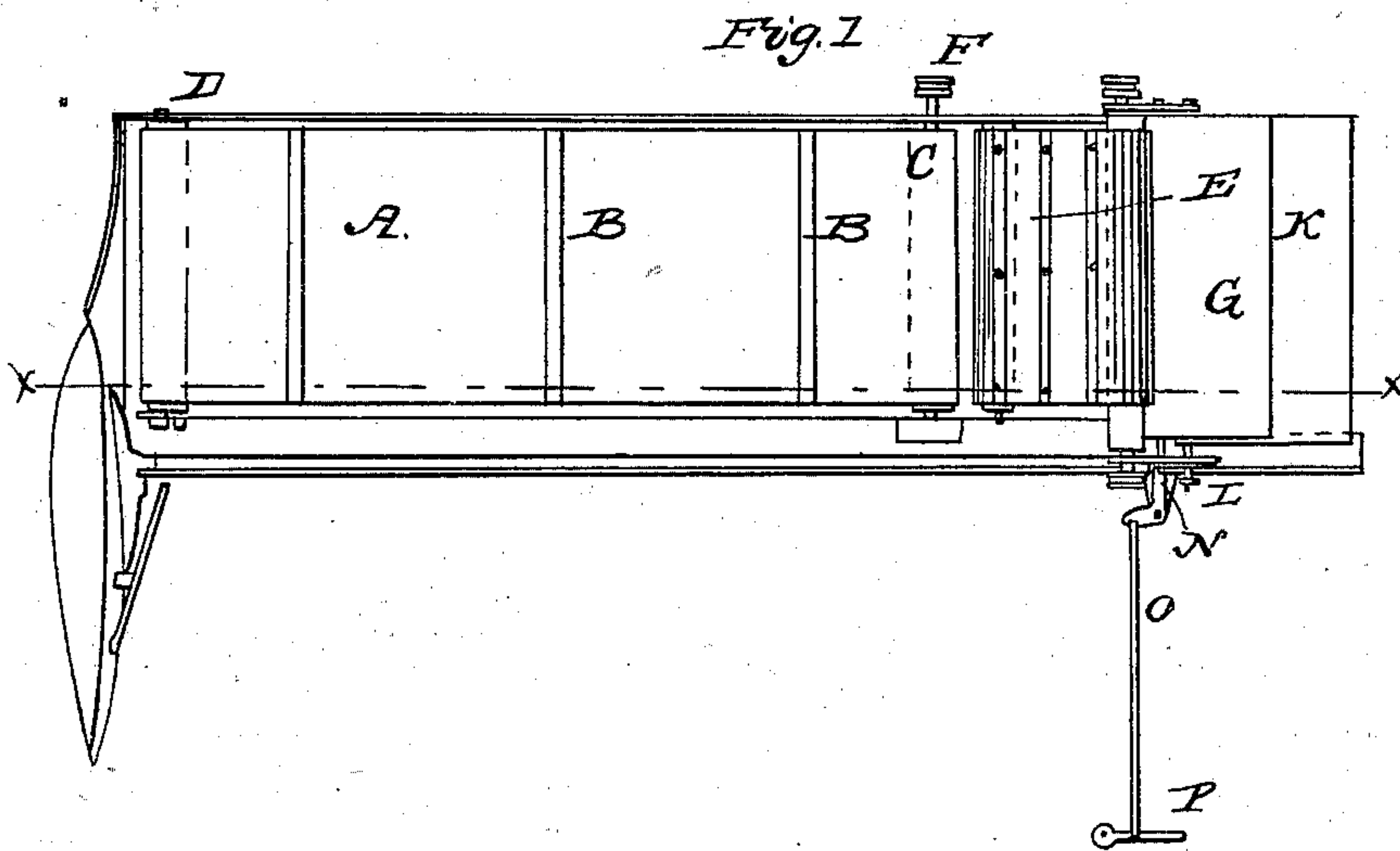
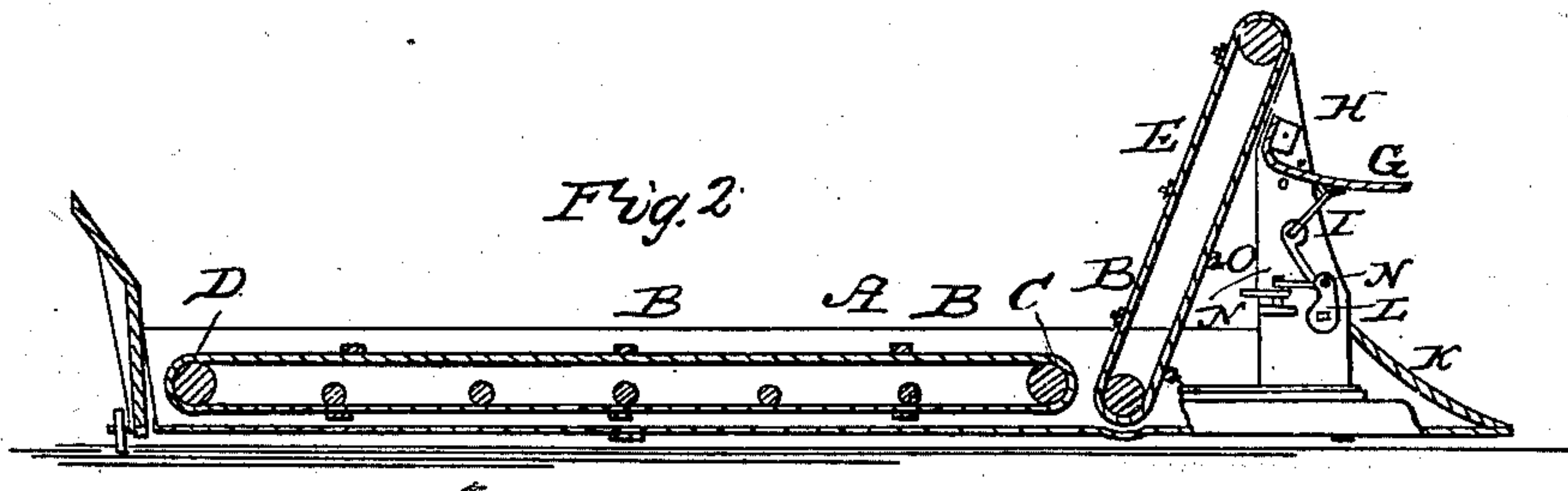


W. G. BEELS.

Harvester.

No. 98,910.

Patented Jan'y 18, 1870.



Witnesses
Jno. A. Brooks
Wm. H. Leary

Inventor
W. G. Beels
PER *Wm. H. Leary*

UNITED STATES PATENT OFFICE.

W. G. BEELS, OF INDEPENDENCE, IOWA.

IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. 98,910, dated January 18, 1870.

To all whom it may concern:

Be it known that I, W. G. BEELS, of Independence, Buchanan county, Iowa, have invented a new and useful Improvement in Side Dropper for Harvesters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in side droppers for harvesters, having for its object to provide a more simple and efficient arrangement of the same than any now in use.

It consists in the employment of two endless carriers and a receiving and dumping apparatus, in connection with the cutter-bar, and so arranged that the grain falls onto a horizontal carrier, moving parallel with the cutter-bar, and just behind it, delivering the grain to a similar but inclined carrier, which elevates it to the receiver, provided with dumping devices, to be actuated by the driver raising his feet, all as hereinafter more fully specified.

Figure 1 represents a plan view of a part of a harvester provided with my improvements; and Fig. 2 represents a longitudinal sectional elevation of the same, taken on the plane of the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

A represents an endless carrier, preferably made of canvas, and provided with transverse bars B, supported on rollers C D, and arranged immediately behind the cutter-bar, so that the grain will fall transversely on it, and be carried thereby to the inclined carrier E, the said carrier A being operated by a belt from any suitable revolving part of the machine, working over the pulley F on the roller C.

By the carrier E, similarly operated, the cut grain is elevated and delivered to the horizontal receiver G, pivoted to the supports

of the upper end of the carrier F at H, and connected by a link to the rear of another receiver and dumper, K, pivoted on the axle L, having a crank, M, at one end, connected, by a bell-crank, N, and rod O, to a foot-treadle, P, pivoted to any suitable place on the machine convenient for the application of the foot of the attendant.

The receiver or table K is sufficiently heavier on one side of its axis than the other to maintain the receiver G in the horizontal position while receiving its load, as represented in Fig. 2.

When a sufficient amount of grain has been received on the table G for a gavel, the operator, pushing the treadle P forward with his foot, will depress the table G and elevate the table K, discharging the grain from the former to the latter, from which it may be taken by a person to bind, or it may be delivered onto the ground. The removal of the foot from the treadle will permit the table K to fall, which raises the table G to its receiving position again.

The framing for supporting the rollers of the carriers may be arranged and connected to the machine and to the cutter-bar in any preferred manner.

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

1. The combination, with carriers, of the receiving-table G and dumping-table K, connected together, and operating substantially as specified.

2. The receiver G, link I, and dumper K, in combination with the crank mechanism L N, all arranged as described.

The above specification of my invention signed by me this 19th day of March, 1869.

W. G. BEELS.

Witnesses:

H. C. CURTIS,

A. E. BARNHART.