

P. G. & W. O. NICHOLS.
Sheaf-Droppers for Harvesters.

No. 156,941.

Patented Nov. 17, 1874.

Fig. 1.

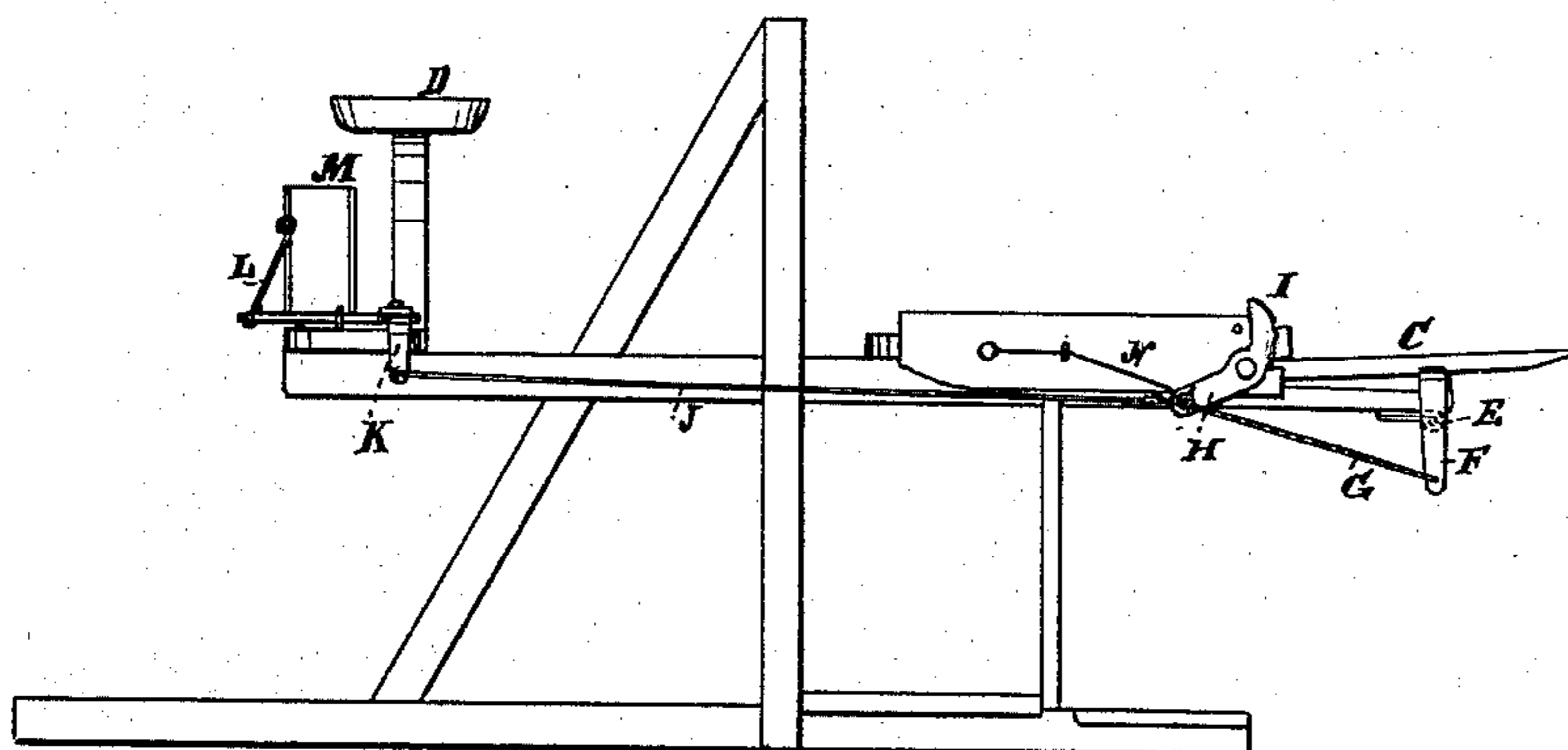


Fig. 2.

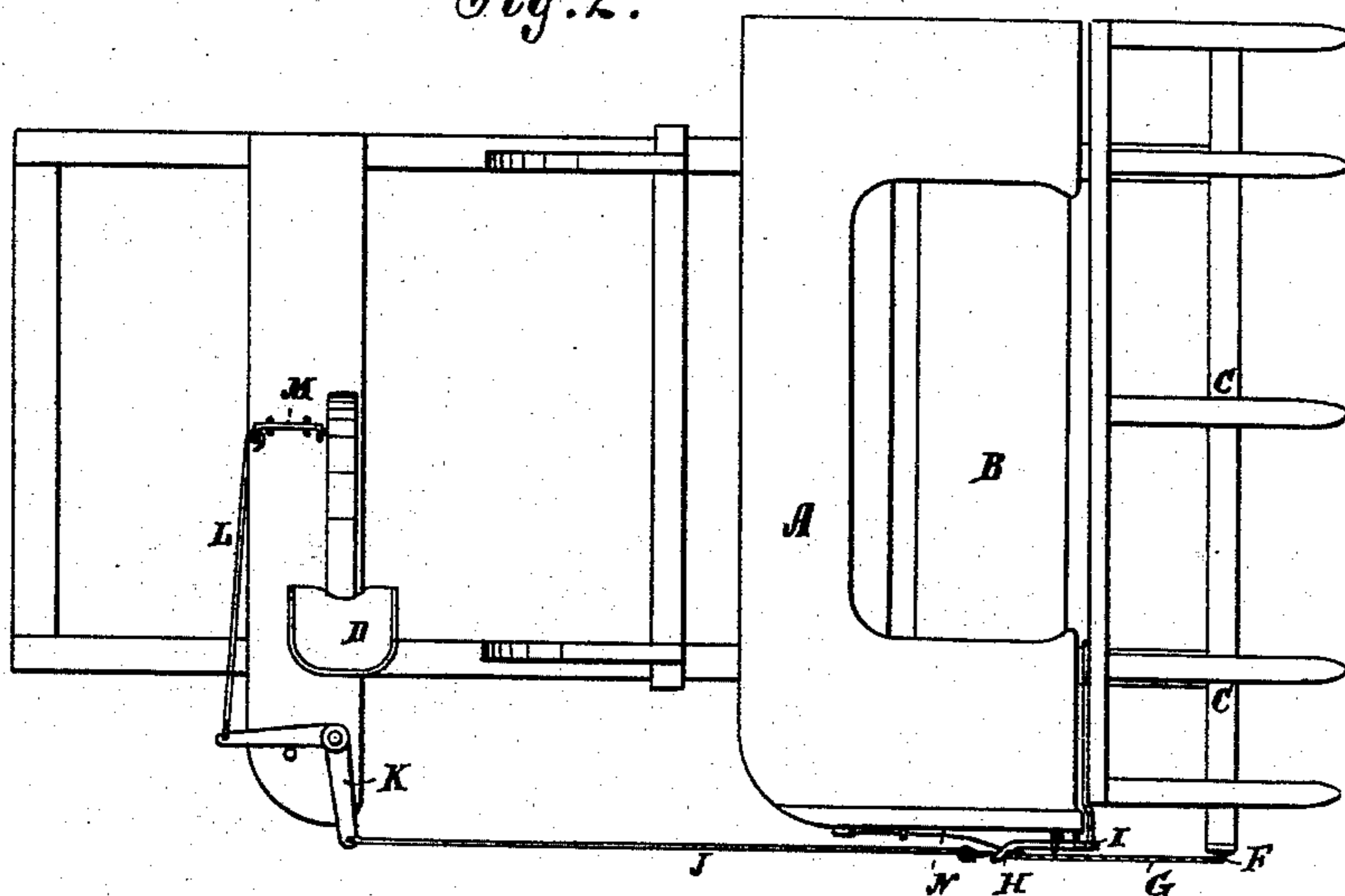
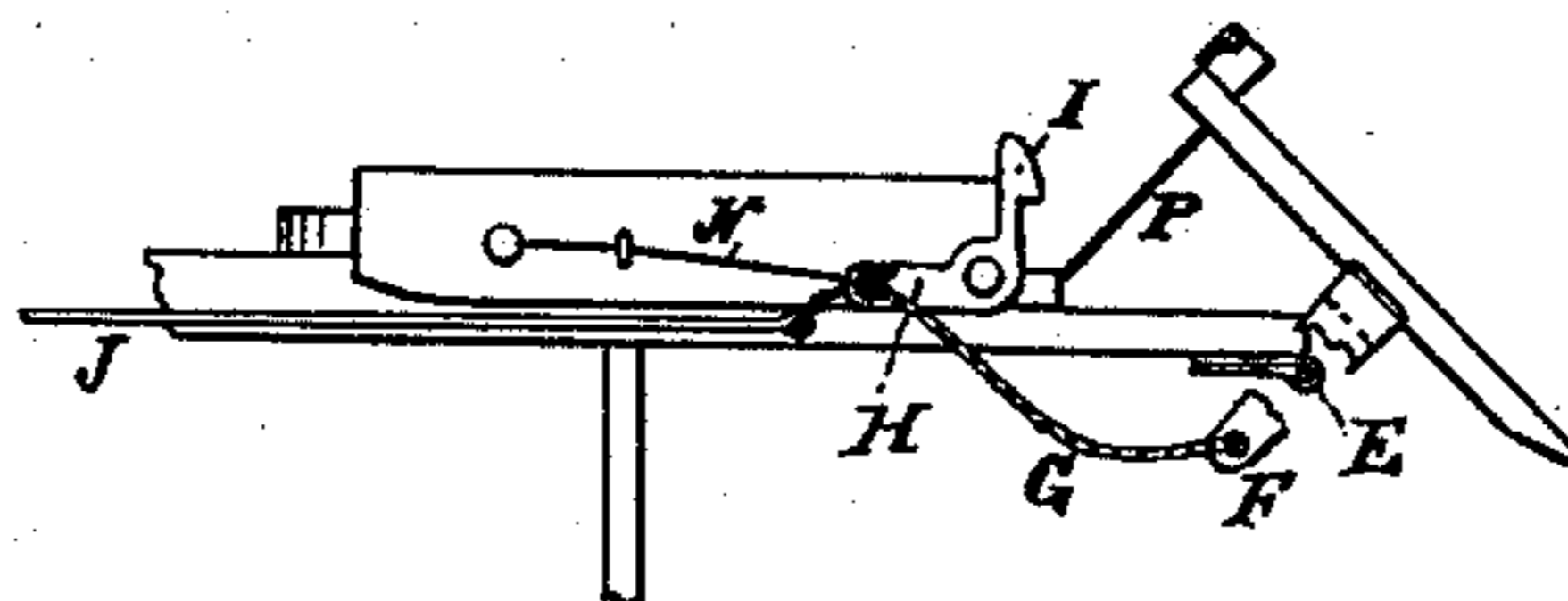


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

PERRY G. NICHOLS AND WILLIAM O. NICHOLS, OF CRESCO, IOWA.

IMPROVEMENT IN SHEAF-DROPPERS FOR HARVESTERS.

Specification forming part of Letters Patent No. **156,941**, dated November 17, 1874; application filed March 28, 1874.

To all whom it may concern:

Be it known that we, PERRY G. NICHOLS and WILLIAM O. NICHOLS, of Cresco, in the county of Howard and State of Iowa, have invented a new and Improved Sheaf-Dropper for Harvesters, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is an elevation of some portions of the binding attachment illustrating our invention. Fig. 2 is a plan view, and Fig. 3 an elevation, of some of the parts, showing the carrying-table tilted up as when dumping a load.

Similar letters of reference indicate corresponding parts.

A represents the binders' table; B, the platform on which the binders stand; C, the table for receiving the sheaves from the binders, and carrying and dumping them; and D, the driver's seat. The table C is pivoted to the frame at E, for tilting in the manner indicated in Fig. 3. It has an arm, F, extending below the pivot at one end, to which a cord, G, is fastened, which passes through an eye in the end of an arm, H, of the spring-catch I to a rod, J, which connects with a bell-crank, K, which is connected by rod L with the foot treadle M in front of the driver's seat, so that by a downward movement of the foot-treadle the catch will be pulled back to unfasten the table, and the table will be tilted to dump the sheaves. The table will then be turned back by gravity, the weight of the

next sheaf put on by the binders, and will be fastened by the catch and its spring N. The catch is so arranged relatively to the binders' table that the binder next to it can reach it readily to unfasten it by hand in case the driver is otherwise engaged or neglects it at the proper time.

The carrying-table is made in skeleton form to make it as light as possible for the required strength, and it is extended lengthwise, also the binders' table, to get the requisite carrying and binding space with the least lateral extension possible, in order to avoid overbalancing the cutters on the opposite side, and raising them up when the tilting table is loaded, which is liable to happen, particularly when the load is on the down-hill side of a slope.

A check-cord, P, is employed to prevent the table from tilting too far.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination, with pivoted table C, having arm F, of cord G, connected with the spring-catch I, having arm H, bell-crank K, rod L, and foot-treadle M, all arranged on a harvester, as and for the purpose specified.

PERRY G. NICHOLS.
WILLIAM O. NICHOLS.

Witnesses:

WM. H. PATTERSON,
LILLIE BUCKMAN.