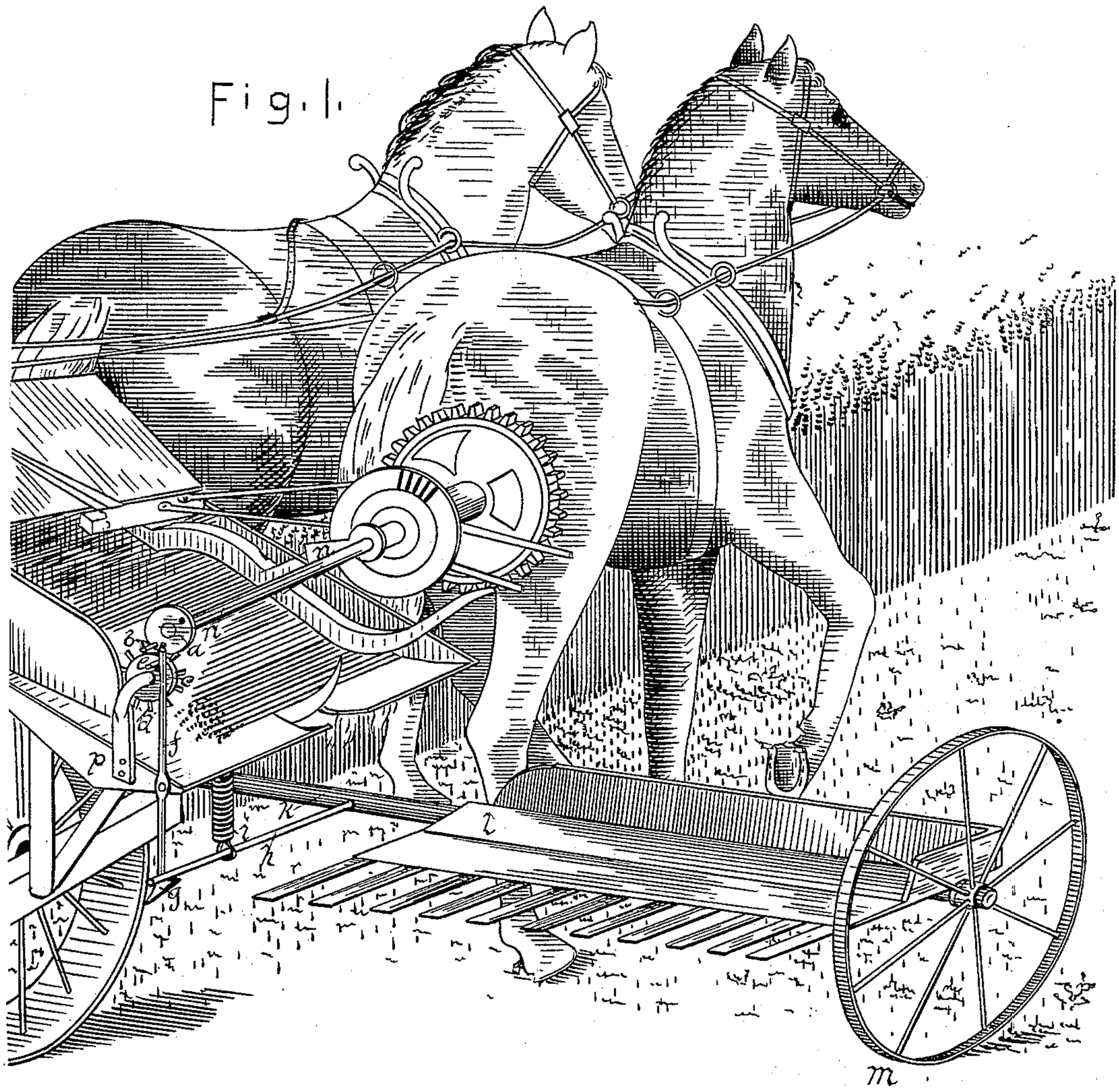
(No Model.)

R. PERRY.

BUNDLE CARRIER FOR SELF BINDING HARVESTERS.

No. 391,857. Patented Oct. 30, 1888.

Fig. 1.



ATTEST,
A. L. Graham
W. W. Graham.

INVENTOR,
RICHARD PERRY,
By L. P. Graham,
his Attorney.

UNITED STATES PATENT OFFICE.

RICHARD PERRY, OF DUNN, ILLINOIS.

BUNDLE-CARRIER FOR SELF-BINDING HARVESTERS.

SPECIFICATION forming part of Letters Patent No. 391,857, dated October 30, 1888.

Application filed September 12, 1887. Serial No. 249,458. (No model.)

To all whom it may concern:

Be it known that I, RICHARD PERRY, of Dunn, in the county of Moultrie and State of Illinois, have invented certain new and useful Improvements in Bundle-Carriers for Harvesters, of which the following is a specification.

The object of my invention is to provide means whereby bundles of grain may be carried with a binding-harvester until a number sufficient to form a shock, or other suitable number, has accumulated and then be discharged automatically, and I attain my object by means of certain mechanism hereinafter explained.

In the drawing accompanying and forming a part of this specification, the figure is a sketch of a portion of a harvester, showing my device in connection therewith.

Wheel *a* is fixed on an extension, *n*, of the shaft of the main wheel of the binding mechanism.

b represents a pin on wheel *a*, by means of which the motion of said wheel is imparted intermittently, through the medium of radial projections *d*, to wheel *c*. The projections *d* correspond in number to the number of bundles required to form a shock, and the pin *b* operates on a projection, *d*, and gives a partial rotation to wheel *c* at each rotation of wheel *a*. At the completion of each rotation of wheel *c* pin *e* on said wheel trips lever *f*, which pivots on a portion of the harvester-frame and connects through rod *h* with the rock-shaft of the grain-carrier *l*.

The rock-shaft *k* of the bundle-carrier has pivotal bearings in the harvester, and is supported pivotally at its outer end by wheel *m*, which helps to sustain the unusual load when an entire shock is carried. The rod *h* is rigidly connected with the rock shaft and rests ordinarily in a catch offset in the lower end of trip-lever *f*. When a number of bundles corresponding to the number of projections *d* has accumulated on the carrier, pin *e* will disengage the trip-lever from the rod *f*, so permitting the shaft *k* to rotate partly and discharge its load. Immediately on the carrier being relieved of the weight of the bundles the spring *i* will act on the rod *h* and return it to position on the catch of the trip-lever preparatory to receiving another load, when the operation will continue, as indicated and described.

A modification of the operation may be made when desired by placing other pins in the face of wheel *a*, a hole being shown for that purpose in the drawing. In the particular instance shown the rod *n* is an extension of the main shaft of the binding device, and the wheel *a* is connected directly thereto. Different machines will, however, require different attachments that will require mechanical skill to make, and no attempt will be made to anticipate herein contingencies that may arise. I wish, however, to explain that I do not confine myself to the specific mechanism set forth herein, except to the extent that the wheel *a* shall make a complete revolution at each operation of the binding mechanism; that the pin *b* shall strike a projection, *d*, and impart a partial rotation to wheel *c* at each rotation of wheel *a;* that when a desired number of partial rotations have been effected in wheel *c* the pin *e* shall strike the trip-lever and permit the carrier to rock and discharge its load, and that the carrier when relieved of its load shall be returned by the spring or its equivalent. All else may be varied, the mechanism may be modified in form and position, the spring may be of any desirable construction, or may be dispensed with where it is convenient to use a weight in its place, and the carrier may be of a form and size suitable to cooperate satisfactorily with the harvester.

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

In combination with a self-binding harvester, a bundle-carrier, *l*, rigidly secured on the rock-shaft *k*, supported on the harvester-frame, the arm *h*, rigidly attached to the shaft and yieldingly supported at its free end by a spring, *i*, the spring secured to the binder-frame, the wheel *a* on an extension of the binder-shaft and having a pin, *b*, on its face, a wheel, *c*, journaled in bearings secured to the binder-deck and having radial studs *d*, said studs to be struck by pin *b*, and also having on its face a lateral pin, *e*, and the trip-lever *f*, fulcrumed on the binder-frame, its lower end to support the free end of the arm *h* and its upper end to be tripped by pin *e*, substantially as set forth.

RICHARD PERRY.

Attest:
J. D. WALKER,
L. P. GRAHAM.