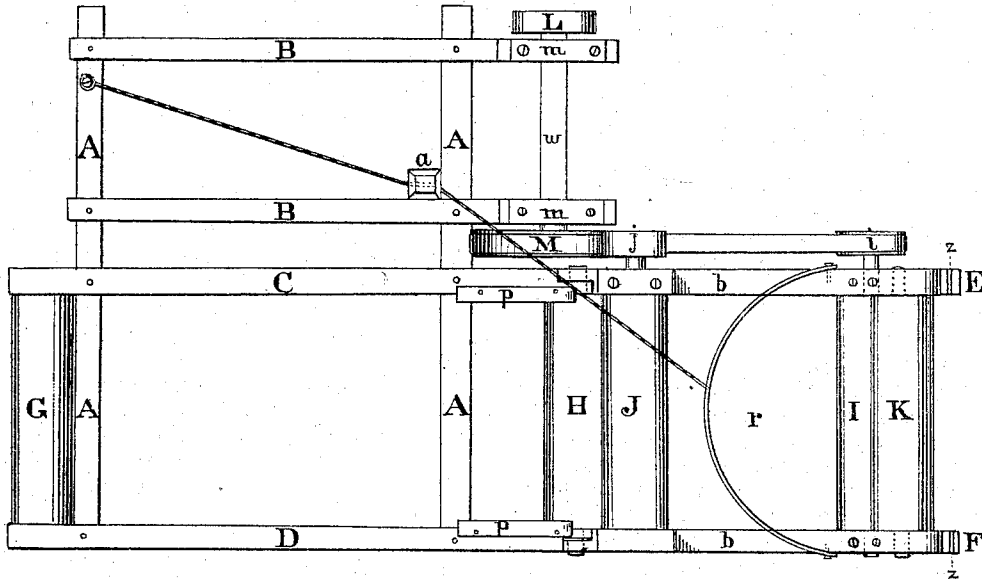
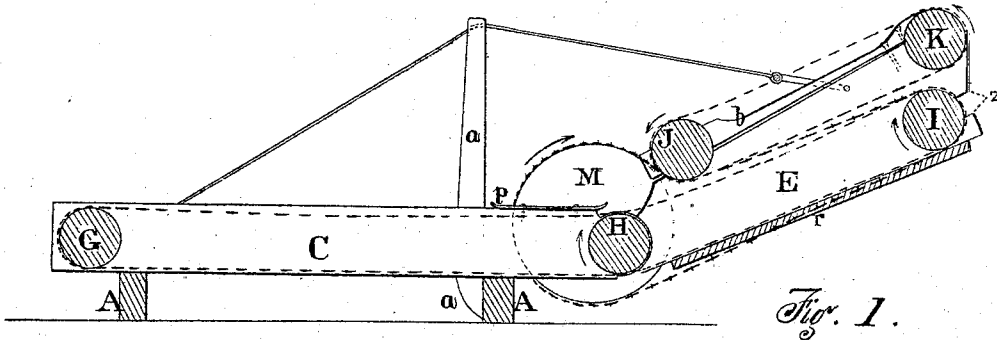


A. J. HODGES.
Harvesters.

No. 147,773.

Patented Feb. 24, 1874.



Witnesses
James Thurston
H. Hanson-

Andrew J. Hodges
by Edwin Thurston
his Atty in Fact

UNITED STATES PATENT OFFICE.

ANDREW J. HODGES, OF PEORIA, ILLINOIS.

IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. **147,773**, dated February 24, 1874; application filed October 29, 1873.

To all whom it may concern:

Be it known that I, ANDREW J. HODGES, of the city of Peoria, in the county of Peoria and in the State of Illinois, have invented an Improvement in Harvester Platforms and Elevator, or combination of the same; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a longitudinal vertical section through the center of the platform and elevator; Fig. 2, a plan with the canvases removed to show the rollers, &c.

This invention is an arrangement of band-pulleys and band in connection with rollers bearing a draper above the platform-draper, which extends (as is common) to the top of the elevating-spout, in such a manner that the said band of the driving-pulley located on the platform, which passes around the pulley of the platform-draper at the top of elevator-spout, also passes along the surface of the lower pulley of a parallel auxiliary draper in the spout to drive it, the grain being carried up between and by said drapers. The elevating-spout, by this arrangement, maintains the operating connection of its pulley-bands, rollers, and drapers, whatever the ascending angle of the spout may be.

In the drawings, A A represent the frame of the harvester; B B, cross-bars, which support the driving-pulleys L M and their shaft *w*; C, the rear beam of platform; D, the front bar of same, called the "sickle-bar," both bolted, as usual, to the frame A A; E F, the sides of the elevator, each hinged or pivoted upon the axle of the platform-roller H at this end of the platform, and having a bottom board, *r*. *b b* are wooden springs, attached to the upper end of the sides E F, respectively, in such a manner as to permit the lower roller J of the upper draper, which is pivoted on said springs, to yield to the passage of the cut grain, at the same time to obtain a ten-

sion of the pulley *j* on said roller upon the bight of the band running around the large pulley M and the pulley *i* of the draper; G, the draper-roller at left end of the platform; H, the roller of same draper at the junction of the platform and elevator, and forming the hinged connection of the two; I, the lowermost of the rollers, at the upper end of the elevator, which carries the platform-draper; its outer end carries a pulley, *i*, whence runs a band under pulley *j* of the roller J, around the large pulley M in the rear of the platform; J, the lower roller of the upper draper of the elevator-canvas, pivoted at either end in a spring attached to each side of the elevator sides E F, and bearing, at its outer end, a pulley, *j*, which is kept tensely against the band which connects the pulleys M *i*; K, the uppermost roller of the elevator, at the outer end of the same, and which carries the draper which encircles this and the other roller J, described above.

The driving-pulley M, and its band running over the pulley *i* at the upper end of the elevator-spout E, rotates the lower draper on the rollers G H I. The upper draper, confined to the spout and rollers K J, is rotated by the contact of the pulley *j* on the end of the draper-roller J with said band at any angle the said spout may be placed in, so carrying up the grain between the drapers.

What I claim as my invention is—

The combination of the band-pulley M, band-pulley *j* of roller J, and band-pulley *i* of platform-apron roller I, so that each of said pulleys are rotated by the same band, whatever the inclination of the spout may be, substantially as and for the purposes set forth.

In testimony that I claim the foregoing combination of the platform and elevator drapers I have hereunto set my hand this 22d day of October, A. D. 1873.

ANDREW J. HODGES.

Witnesses:

H. W. WELLS,
JAMES MORSE.