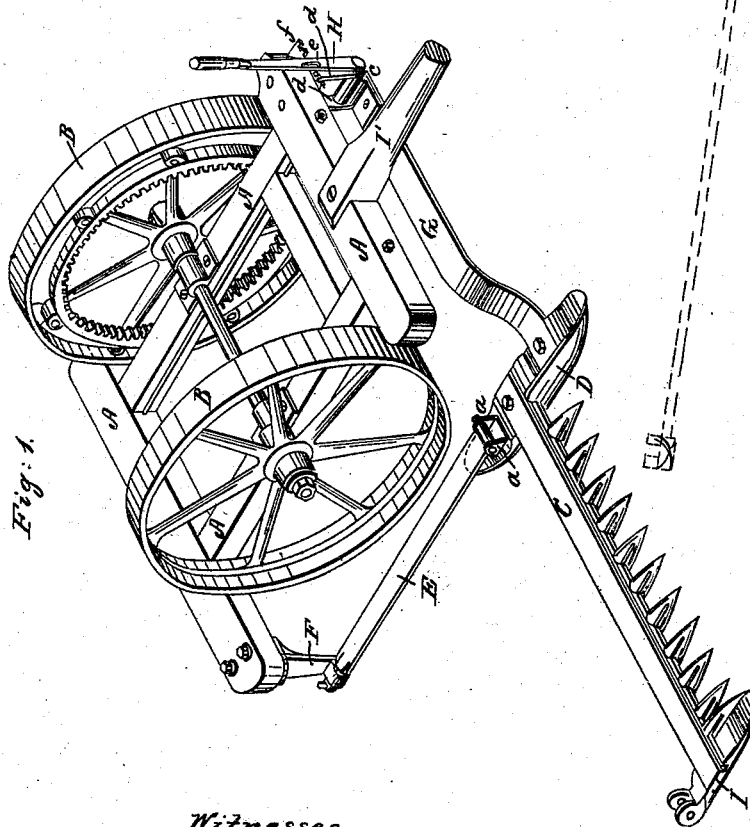


Patented May 16, 1865.



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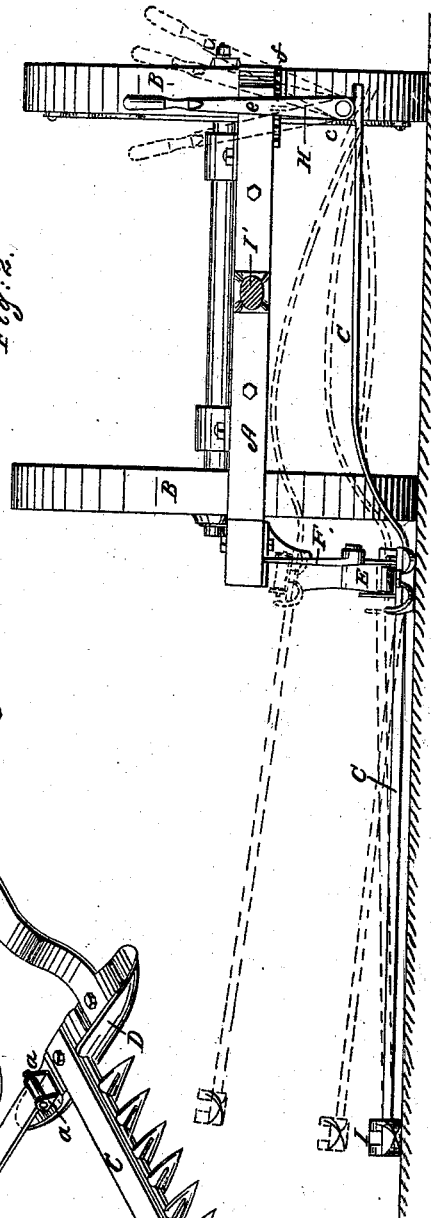


Fig: 2.

Witnesses:

A. Widdicombs.

John P. Jacobs

Stephen S. Bartlett.

By his Attorney
Thos. G. Dodge

UNITED STATES PATENT OFFICE.

STEPHEN S. BARTLETT, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. 47,691, dated May 16, 1865.

To all whom it may concern:

Be it known that I, STEPHEN S. BARTLETT, of the city and county of Providence, in the State of Rhode Island, have invented certain new and useful Improvements in Harvesters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of my invention, and Fig. 2 a front view, the finger-beam and its connections being shown in different positions.

In the drawings, A A A A represent the main frame, supported by two wheels, B B, both of which may be used as driving-wheels, if desired, the proper gearing and crank and pitman connections being added in such cases. As the mode of such connections is well known to those skilled in the art, it is not necessary to describe it here.

C is the finger-beam, the heel of which is fastened in a recess in a shoe, D, which is supported in rear by the brace, E, whose front end is hinged to ears *a a* on the rear of shoe D, while its rear end is swiveled in a wrist-pin, *b*, which in turn is swiveled in a hanger, F, fastened to the inner projecting corner of the main frame.

The front of shoe D is supported by a metal spring-brace, G, the inner end of which brace is fastened in a recess in the front of the shoe, while the outer end is fastened to a journal, *c*, supported so as to turn in bearings in hangers *d d*. To the front of journal *c* there is fastened a lever, H, having a catch-piece, *e*, on its inner side to fit into notches *f* in a piece fastened to the front of the main frame.

When the lever H is in an upright position, as seen in Fig. 1, and black lines, Fig. 2, the finger-beam rests evenly on the surface of the ground, and if drawn over the ground will conform to the uneven surface thereof, owing to the yielding of the spring-brace G and the yielding connections of the brace F. When it is desired to cause the outer end, I, of the finger-beam to press very lightly on the surface of the ground, the lever H is to be moved toward the finger-beam, thereby depressing the spring-brace G and causing shoe D to rock up, thereby transferring the pressure of the weight of the finger-beam to shoe D, and if the lever is moved into the position shown in red lines the outer end, I, will be elevated clear of the ground, as shown in same colors, Fig. 2. By moving the lever H into the position shown in blue lines, Fig. 2, the heel of the finger-beam can be raised, as seen in same colors, while the lever is moved still farther out, so as to occupy the position shown in brown lines; then the entire finger-beam will be elevated, as seen in Fig. 2.

I represents a section of the tongue by which the machine is drawn, the team being attached in the usual manner.

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

The combination, with the shoe D, of the pivoted spring-brace E, fixed spring-brace G, lever H, and rack *f*, all arranged in relation to the main frame as and for the purposes described.

STEPHEN S. BARTLETT.

Witnesses:

W. H. TRAVER,
DAVID O. GERALD.