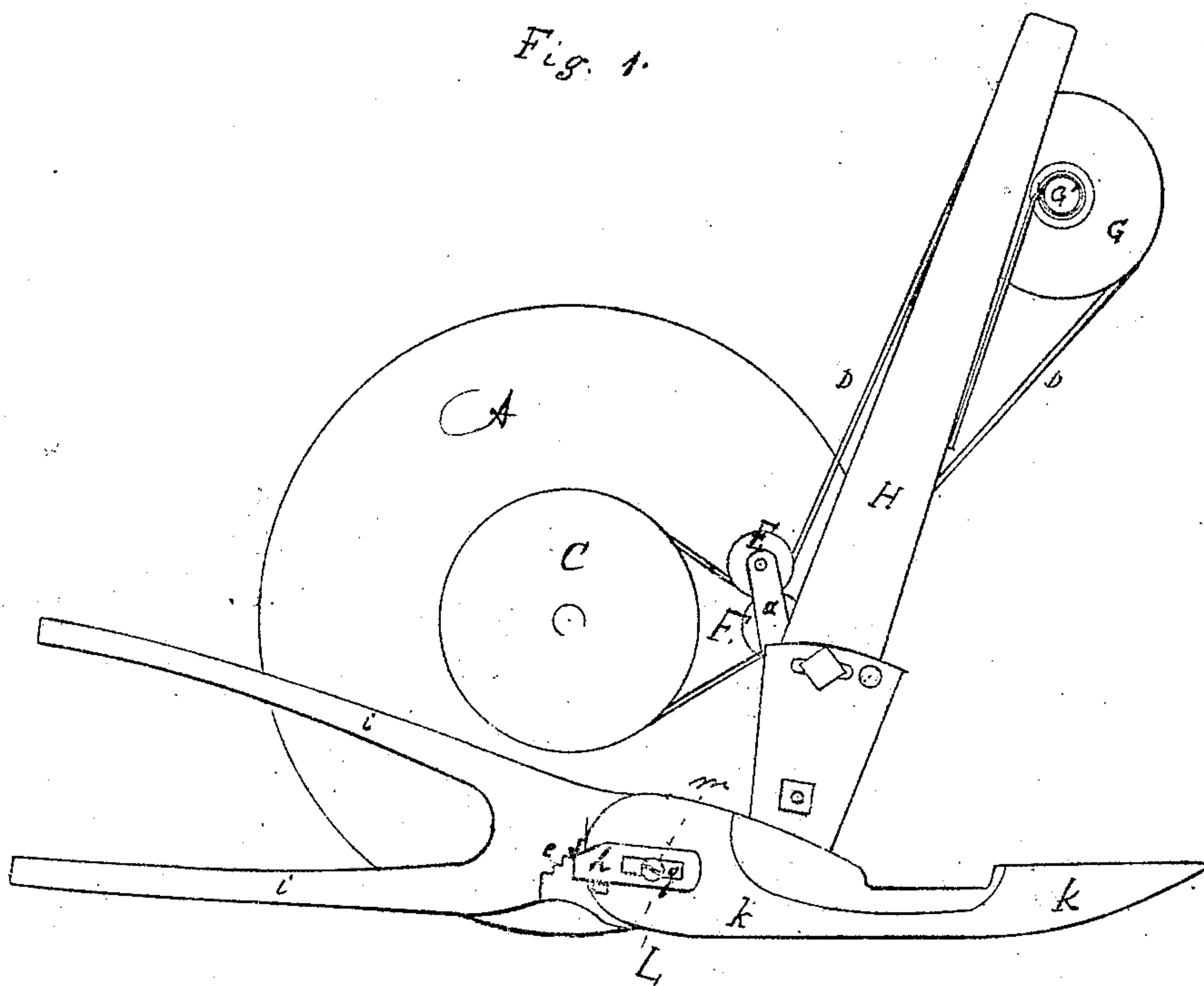


*J. F. Seiberling,  
Mower.*

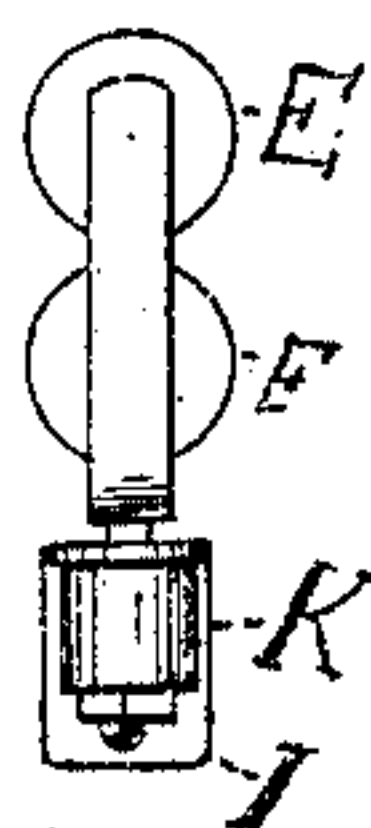
*No. 44,893*

*Patented. Nov. 1. 1864*

*Fig. 1.*



*Fig. 2.*



*A. G. Wilkinson } Witnesses  
Chas. Hoadway }*

*John F. Seiberling  
by Daniel Breed & Co.*

# UNITED STATES PATENT OFFICE.

J. F. SEIBERLING, OF DOYLESTOWN, OHIO.

## IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. 44,893, dated November 1, 1864.

*To all whom it may concern:*

Be it known that I, JOHN F. SEIBERLING, of Doylestown, in the county of Wayne and State of Ohio, have invented a new and useful Improvement in Reaping and Mowing Machines; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

On account of the up-and-down motion of the reels of harvesters it is difficult to operate such reels either by band or other gear.

The main object of my invention is to provide a flexible pulley for the band of a harvester-reel. I have also made an improvement in adjusting the track-clearer of mowing-machines.

My invention consists in a peculiar construction and arrangement of flexible pulley and of adjustable track-clearer for reaping and mowing machines.

In the accompanying drawings, Figure 1 is a side elevation of my machine with the flexible pulley and adjustable track-clearer attached. Fig. 2 is a detached view of the flexible pulley.

My reaping and mowing machine has two wheels, A, with the cutter-beam and reel placed in front of the wheels. A standard, H is supported on the cutter-beam, and a pulley-wheel, G, with the reel-shaft G', supported thereon. Attached to the lower part of this standard H are two small pulley-wheels, E and F. These small wheels work in a staple, a, upon the lower end of which is a bolt passing through an elbow-piece, I, Fig. 2, and a rubber spring, K. The band D passes around the pulley-wheel C upon the main axle of the machine and receives motion therefrom. It then passes under the small wheels E and F, and up over the pulley-wheel G upon the shaft

of the reel. By this arrangement the spring K and small wheels E and F give the band D an elastic bearing. The spring K is sufficiently firm to give proper tension to the band D, and yet it will yield enough to prevent breaking or stretching the band as the tension is increased by a change in the position of the cutter-beam and the relative position of the pulley-wheels.

My pulley arrangement is perfectly flexible, and its proper action is not disturbed by the vertical play of the cutter-beam, and the consequent rocking of the standard H and upper pulley, G.

The track-clearer consists of a proper shoe, k, and two fingers, i, united to the shoe by a hinge-joint, L. A series of notches, e, is arranged to meet the adjustable stop h, and support the fingers at any desired height. A slot, g, allows the stop h to move backward and forward upon the set-screw m. The motion of the fingers is indicated by red lines in the drawings.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The rubber spring K, in combination with the double pulley E and F when used between the pulleys C and G, substantially in the manner and for the purposes set forth.

2. The use of the adjustable stop h, in combination with the shoe and the notches e for adjusting the track-clearer to any desired height, substantially in the manner and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 11th day of July, 1864.

J. F. SEIBERLING.

Witnesses:

SAML. H. MILLER,  
FERNANDO CLINE.