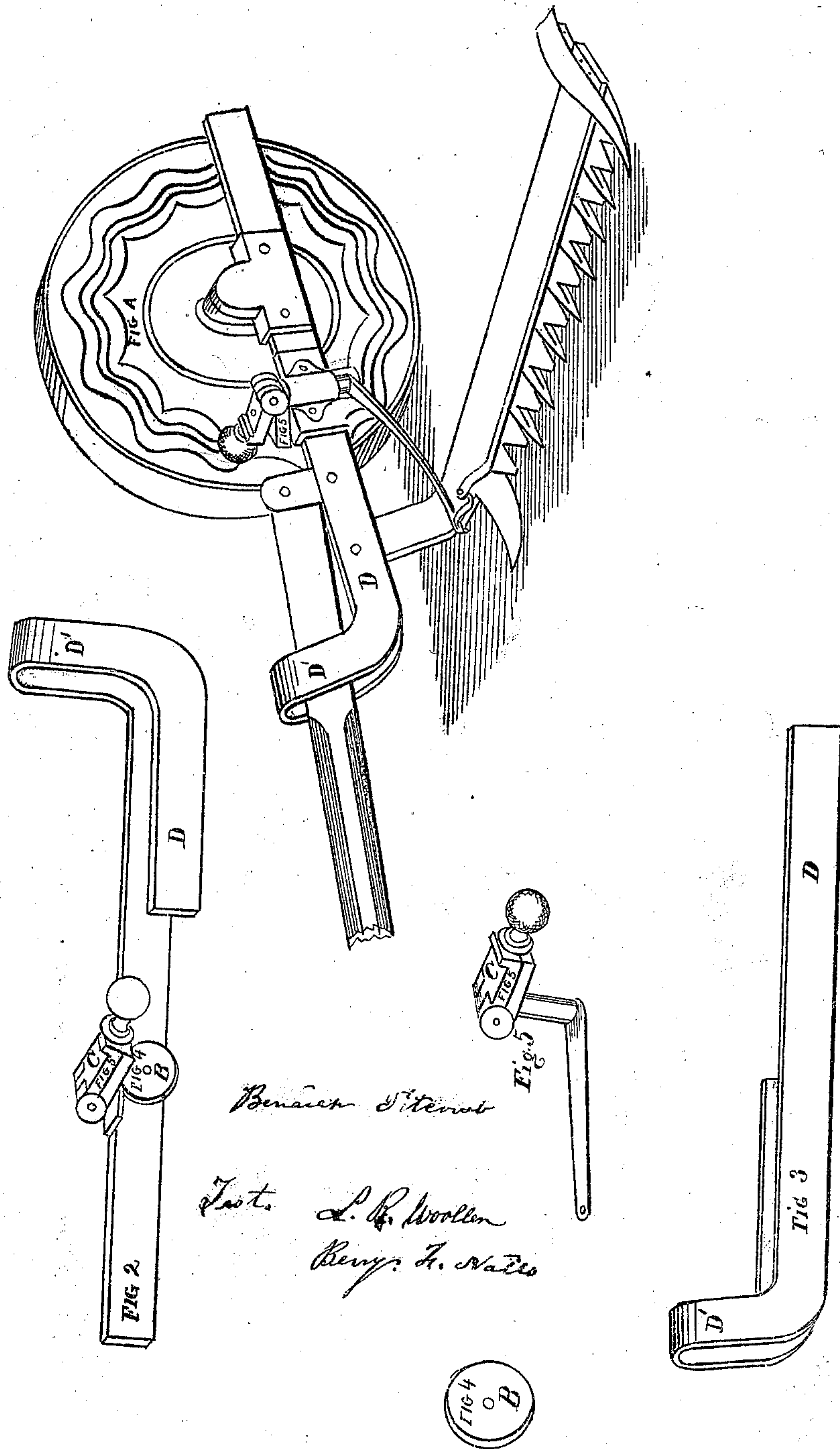


*B. Titcomb.*  
*Mower.*

*No. 42416*

*Patented April 19, 1864.*



# UNITED STATES PATENT OFFICE.

BENAI AH TITCOMB, OF BALTIMORE, MARYLAND.

## IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. 42,416, dated April 19, 1864.

*To all whom it may concern:*

Be it known that I, BENAI AH TITCOMB, of the city of Baltimore, and State of Maryland, have made a new and useful Improvement in the Harvesting-Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and letters of reference marked thereon.

Figure 1, letter A, is a perspective view of the machine; Fig. 2, inside view of frame, friction-roller, and rock-shaft; Fig. 3, letter D, frame and yoke in one continuous piece; Fig. 4, letter B, friction-roller; Fig. 5, letter C, rock-shaft.

The nature of my invention consists in the invention of a frame and yoke, Fig. 3, letters D D', in one continuous piece, which will give great strength to the frame and is to be used in raising and lowering the machine while working; also, providing frame D D, Fig. 3, with a friction-roller. The roller is attached to the frame by a pin immediately under the rock-shaft C, for the purpose of preventing friction on the box of the rock-shaft, as seen in the inside view, Fig. 2, C D B.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

First. I construct a main or driving wheel, A, of iron with a double semicircular cam-groove sunk in the inner surface or disk.

Second. I construct a friction roller or ball of spherical shape adapted to the shape of the outer groove and operating therein, which by its revolving motion would clear the groove of all foreign matter.

Third. I construct a hinge-lever, C, or its equivalent, firmly and substantially on the top of the rock shaft or crank. On the end of the said rock shaft or lever next to the wheel is placed the ball or roller.

Fourth. I next construct a frame and yoke, Fig. 3, letters D D', in one continuous piece.

Fifth. I construct a friction-roller, B, Fig. 4, which is attached to the frame directly under the rock-shaft C, as seen on the inside view, Fig. 2, C B D.

What I claim as my invention, and desire to secure by Letters Patent, is as follows:

1. Attaching the friction-roller B, Fig. 4, to the side of the frame D, directly under the vibrating arm of rock-shaft C, Fig. 5, in the manner and for the purpose specified.

2. The construction of the frame D and yoke D', in one continuous piece, in the manner and for the purpose substantially as set forth.

BENAI AH TITCOMB.

Test:

WILLIAM B. LYONS,  
JOS. T. JOHNSON.