

T. G. LEAVELL.  
THRESHING CYLINDER.  
APPLICATION FILED MAR. 11, 1908.

925,358.

Patented June 15, 1909.

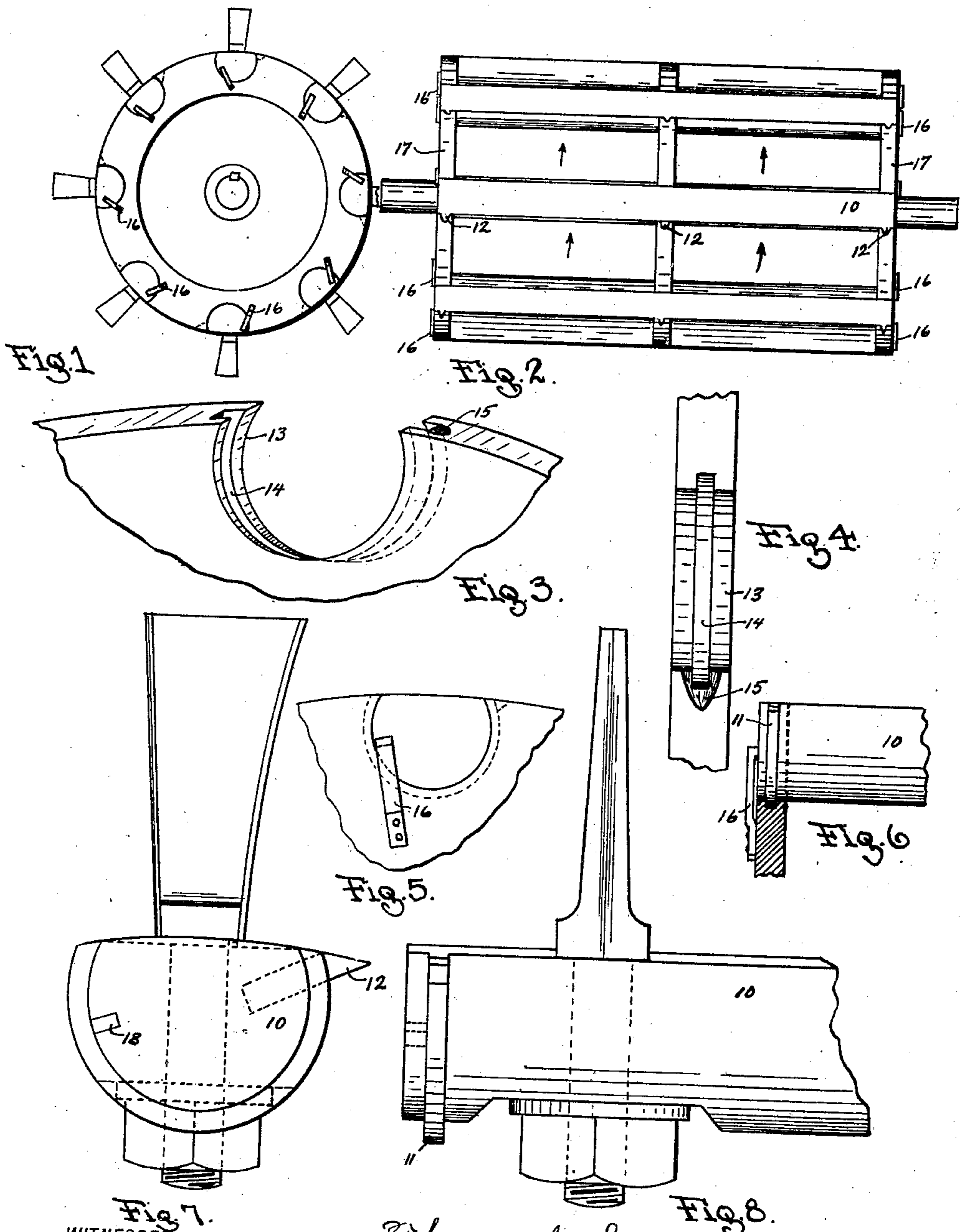


Fig. 7.  
WITNESSES:  
W. R. Sampson  
Monym. Murphy  
Monym. Murphy

Fig. 8.  
Thomas G. Leavell INVENTOR

BY  
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# UNITED STATES PATENT OFFICE.

THOMAS G. LEAVELL, OF SPOKANE, WASHINGTON, ASSIGNOR OF THREE-FOURTHS TO  
ORPHEUS C. SHAW, OF SPOKANE, WASHINGTON.

THRESHING-CYLINDER.

REISSUED

No. 925,358.

Specification of Letters Patent.

Patented June 15, 1909.

Application filed March 11, 1908. Serial No. 420,350.

*To all whom it may concern:*

Be it known that I, THOMAS G. LEAVELL, a citizen of the United States, residing at Spokane, in the county of Spokane and State of Washington, have invented certain new and useful Improvements in Threshing-Cylinders, of which the following is a specification.

This invention pertains to toothed-cylinders, of the kind adapted to rotate upon a shaft and thresh wheat, oats and the like from straw.

The particular object of the invention is to provide a tooth bar that may be easily removed from the cylinder, for the purpose of setting and re-setting the teeth, and for other purposes. I accomplish this purpose by providing the tooth-bars with tongues and lugs adapted to be retained by grooves and bearings in the cylinder. Pawls secured to the cylinder heads and operating against the tooth-bars assist in retaining the tooth-bars in position during any reverse rotation of the cylinder.

In the drawings, Figure 1, is an end elevation of a cylinder, Fig. 2, is a side elevation of the same with the teeth removed, Fig. 3 is a side elevation of the bearing in the cylinder adapted to receive the tongue and lug of the tooth-bar, Fig. 4, is a front elevation of the same, Fig. 5, is an end elevation of the bearing in the cylinder, adapted to receive the end of the tooth-bar and showing the pawl, Fig. 6, is an elevation of the end of the tooth-bar with a sectional view of the bearing in the cylinder, Fig. 7, is an end elevation of one of the tooth-bars carrying one of the teeth and Fig. 8, is a side elevation of the same.

The tooth-bar 10 is provided with tongues 11 and lugs 12 and the bearings 13 are provided with grooves 14 to receive the tongues 11 and shoulders 15 against which the lugs 12

press. This mechanism would be sufficient to retain the tooth bars 10 in the rotation of the cylinder in the direction of the arrows, but would not be sufficient in case of any rotation of the cylinder in the opposite direction; therefore I have provided pawls 16 and riveted the same to the cylinder heads 17 in such a manner that they will engage the notches 18 in the teeth bars 10 on the opposite side from the lugs 12, which, together with the lugs 12, serve as a substantial retaining means of the teeth-bars 10 within their bearings 13 for all purposes including the rotation of the cylinder in either direction.

When it is desired to move the tooth-bar 10, it is only necessary to disengage the pawl 16 from the notch 18 by the use of a finger of the hand or otherwise, and the bar may be drawn from its bearings and as easily replaced and the pawl again thrown into its notch 18 and the bar is again secure.

Having thus described my invention, what I claim as new and useful and desire to secure by Letters-Patent, is,

A threshing cylinder consisting of tooth bars provided with tongues and lugs near the ends thereof coöperating with cylinder heads having recesses formed in their peripheries, the recesses adapted to receive the ends of the tooth bars, and pawls riveted to the cylinder heads and adapted to engage the ends of the tooth bars, substantially as described.

In testimony whereof I have affixed my signature, in presence of witnesses.

THOMAS G. LEAVELL.

Witnesses:

B. R. KRATZER,  
E. S. FARNSWOTH,  
W. J. PARKS.