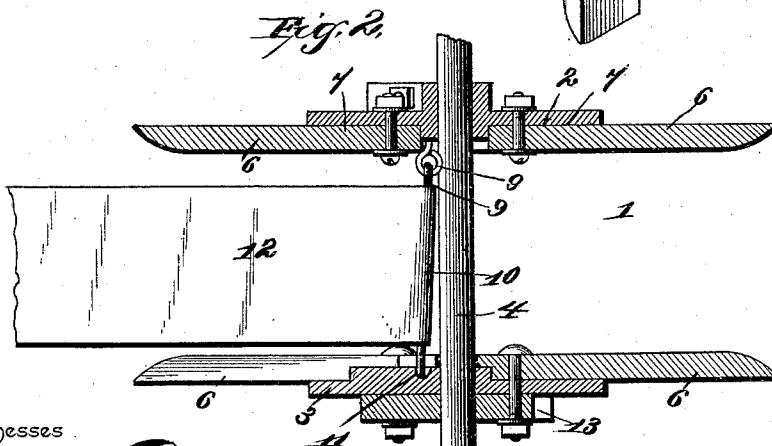
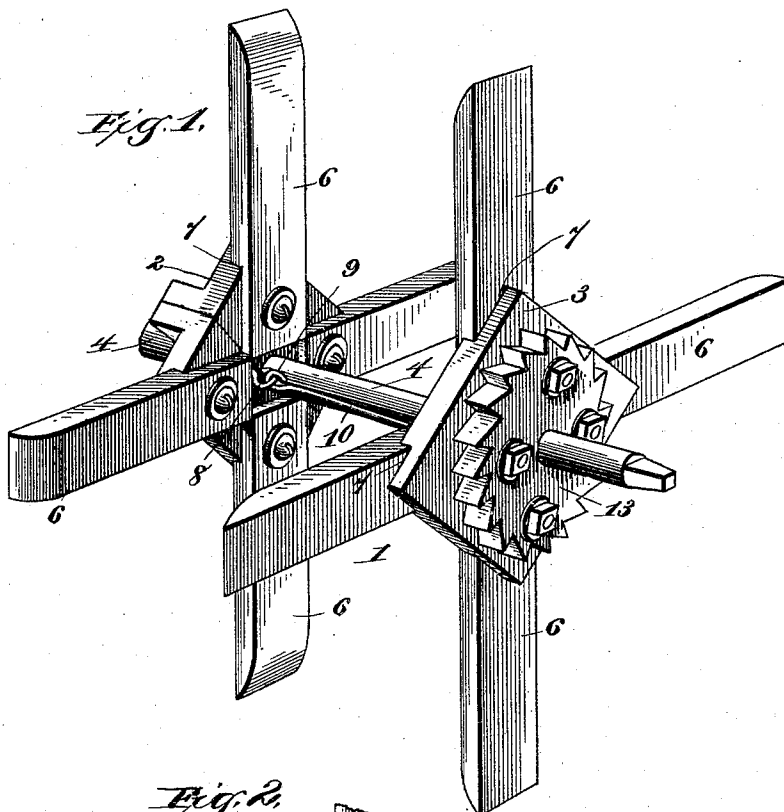


(No Model.)

E. D. MULLANEY.
BELT REEL FOR THRASHING MACHINES.

No. 473,946.

Patented May 3, 1892.



Witnesses

E. J. Mordeman
N. J. Riley

Inventor

Edmond D. Mullaney
By *his* Attorneys,
C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

EDMOND D. MULLANEY, OF BADUS, SOUTH DAKOTA.

BELT-REEL FOR THRASHING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 473,946, dated May 3, 1892.

Application filed November 2, 1891. Serial No. 410,643. (No model.)

To all whom it may concern:

Be it known that I, EDMOND D. MULLANEY, a citizen of the United States, residing at Badus, in the county of Lake and State of South Dakota, have invented a new and useful Belt-Reel for Thrashing-Machines, of which the following is a specification.

This invention relates to improvements in belt-reels for thrashing-machines.

The object of the present invention is to provide a belt-reel for winding up and holding the drive-belts of thrashing-machines and the like. A further object of the invention is to enable a drive-belt to be readily attached to the reel for winding and to be easily disconnected therefrom when it is desired to use the belt.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a belt-reel constructed in accordance with this invention. Fig. 2 is a horizontal sectional view.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a belt-reel designed to be suitably mounted on a thrashing-machine, separator, or the like, to have wound on it a drive-belt to prevent the same being injured by being thrown around carelessly or piled upon a machine, and to enable a belt to be readily covered to protect the same from weather, thereby greatly increasing the durability of the belt and enabling the same to last for a much longer time than heretofore.

The reel consists of hubs 2 and 3, mounted on a shaft 4 and provided with radial arms or spokes 6, having their inner ends secured in recesses 7 in the inner faces of the hubs. The hub 2 is provided on its inner face with an eye 8, in which is linked an eye 9 of a rod 10, which is adapted to engage a socket 11 in

the inner face of the hub 3 and to be arranged parallel with the shaft to secure a belt 12 to the reel, and the rod is adapted to be disengaged from the socket to disconnect the belt from the reel. The eyes of the hub 2 and the rod, which are linked together, permit sufficient longitudinal movement of the rod to enable the same to readily engage and be removed from the socket of the hub 3. The hub 2 consists of two sections bolted together, and the other hub has bolted to its outer face a ratchet-wheel adapted to be engaged by a suitable pawl to prevent the reel turning when the belt is wound on it. The ratchet-wheel 13 may be formed integral with the hub 3, if desired.

It will be readily seen that a drive-belt may be readily wound upon the reel and easily removed therefrom, that it is protected from injury by being piled upon a machine and from the weather, and that it is enabled to last a much longer time than would be the case were a reel not employed.

What I claim is—

In a reel, the combination of a shaft, the hubs 2 and 3, mounted thereon and provided in their inner faces with recesses, the hub 2 consisting of two sections bolted together and provided with an eye, and the hub 3 being provided in its inner face with a socket, the radial arms secured in the recesses of the hubs, and a rod having an eye linked into the eye of the hub 2 and adapted to engage at its other end the socket of the hub 3, the eyes being of sufficient size to permit the necessary longitudinal movement of the rod to engage the socket and to be moved out of engagement with the same, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDMOND D. MULLANEY.

Witnesses:

WILLIAM McGRATH,
OSCAR O. MURRAY.