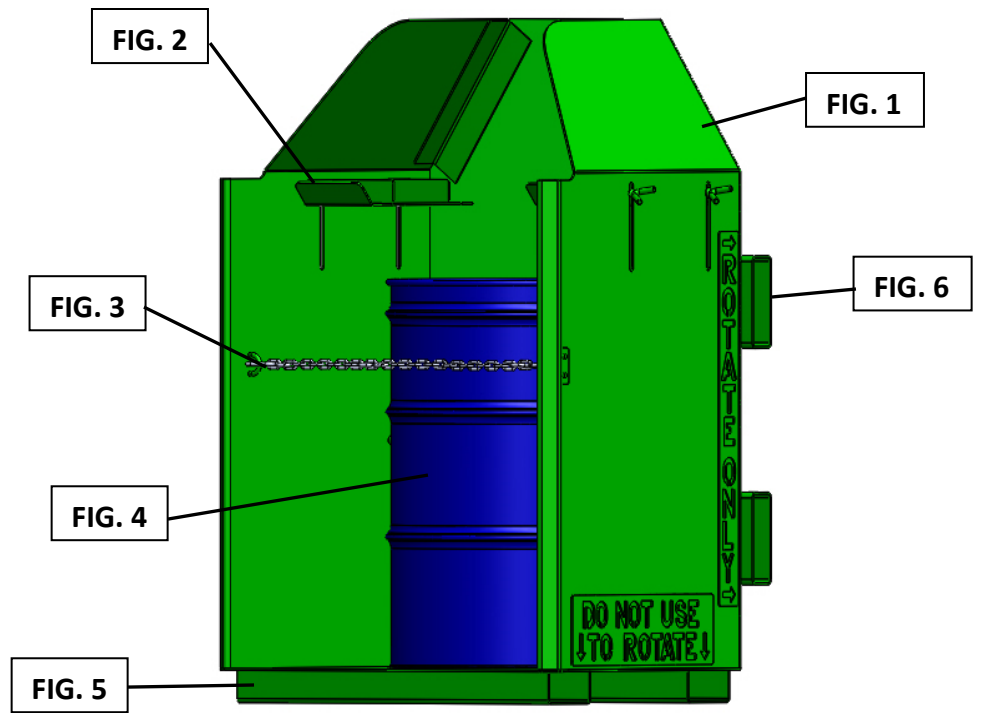




US PATENT 10,457,535



ROURA DRUM ROTATOR

OPERATING INSTRUCTIONS

Before using the Drum Rotator (fig.1) be sure the retaining rails (fig. 2) are in their highest setting and the retaining chain (fig. 3) is not blocking the opening of the Drum Rotator.

To position a drum (fig. 4) for emptying, first spread the forklift truck forks to match the fork opening on a Drum Grabber attachment. Insert the forklift truck forks into the fork pocket channels of a Drum Grabber. Use a Drum Grabber to lift and transport the drum, placing it in the Drum Rotator (fig.1). Back the forklift truck away from the Drum Rotator (fig.1) and remove the Drum Grabber from the forklift truck.

Lower the forklift forks to the ground, set the forklift truck in neutral and apply the parking brake. Adjust the retaining rails (Fig. 2) of the Drum Rotator to securely hold the top of the drum and attach the retaining chain (fig. 3)

With the drum securely inside the Drum Rotator (fig.1), insert the forklift truck forks into the fork pocket channels (fig. 5) located on the bottom of the Drum Rotator. Lift the Drum Rotator and transport it to its desired dumping location.

WARNING! Never attempt to rotate or dump a drum with the lift truck fork's inserted into the bottom fork pockets of the Drum Rotator.

To dump the drum, First remove the forklift truck forks from the bottom fork pockets (fig. 5) of the Drum Rotator. Then rotate the forks and insert the forklift truck forks into the fork pocket tubes (fig. 6) located on the back of the Drum Rotator. Lift the Drum Rotator to the desired height and position.

To achieve a metered dump slowly rotate the Drum Rotator (fig.1) gradually emptying the contents of the drum (fig.4) into the desired container. Once the drum (fig.4) has been emptied, back away from the container and return the Drum Rotator (fig.1) to its upright position. Lower the Drum Rotator (fig.1) to a reasonable height from the ground, transport the Drum Rotator (fig.1) to a desired location and lower it onto the ground. The forklift truck can now be fully disengaged from the Drum Rotator (fig.1). Once the drum rotator is disengaged from the forklift truck, unhook the retaining chain (fig.3) and loosen and adjust the retaining rails (fig.2) to their highest setting. Re-attach the Drum Grabber to the forklift truck and use the Drum Grabber to remove the empty drum (fig.4). The Drum Rotator (fig.1) is now ready to receive the next drum.