

PACKER DEVICE

ABSTRACT

The present invention is directed toward a new and improved compactor or packer. The compactor, which may be used to compact refuse, includes a container, a track disposed within the container, and a ball screw rotatably disposed within the track. The compactor further includes a ball nut operatively coupled around the ball screw, where rotation of the ball screw causes the ball nut to move along or traverse the ball screw. A packer blade is coupled to the ball nut via a floating interface. Movement of the ball nut long the ball screw due to rotation of the ball screw forces the packer blade to move within the container. The floating interface allows the packer blade to float within the container with respect to the ball nut to reduce the likelihood of binding of the ball nut on the ball screw as the packer blade traverses within the container.

[Figure 1]