Claims

1. A bulk material handling assembly comprising

a head frame having a pair of container engaging devices for engaging a container at opposed ends of said head frame;

said container engaging devices rotationally mounted to said head frame and having a motor arranged to rotate said container;

wherein the assembly is arranged such that an axis of the rotation is below a centre of gravity of an engaged container and a size of said motor being less than that required to rotate a loaded container; and

wherein the bulk material handling assembly further includes~~ing~~ an energy storage system in communication with the rotational mounting and arranged such that on rotation of the container, momentum derived from rotation of the container is stored by the energy storage system.

2. The assembly according to claim ~~2~~1, wherein the energy storage system includes a flywheel connected to at least one of the container engaging devices, and arranged such that on rotation of the container, the flywheel is also rotated.

3. The assembly according to claim ~~3~~2, wherein the connection between the flywheel and container engaging device includes a gear arrangement.

4. The assembly according to any one of claims 1 to ~~4~~3, further including selectively movable rails mounted parallel to the container, said rails arranged to support the container form rotation, and movable so as to permit rotation.

5. The assembly according to any one of claims 1 to ~~5~~4, further including a second pair of container engaging devices rotationally mounted to said head frame for engaging a second container.