



Creative Engineering

Building a friction machine



Once the device is submerged in the water then lifted out, water remains inside the mug increasing the force applied to the load. The resultant force, allows for an increase in torque between the gear and pulley, allowing it to turn clockwise. The load and the gear are connected to another gear and pulley in a spur layout. This allows them to that turn in opposite directions around their pivot when the lever is triggered. The pulleys that are parallel together, essentially act as a bike chain, allowing the torque generated from the spur gears to turn the wheel.



Lever used to trigger the mechanism

