

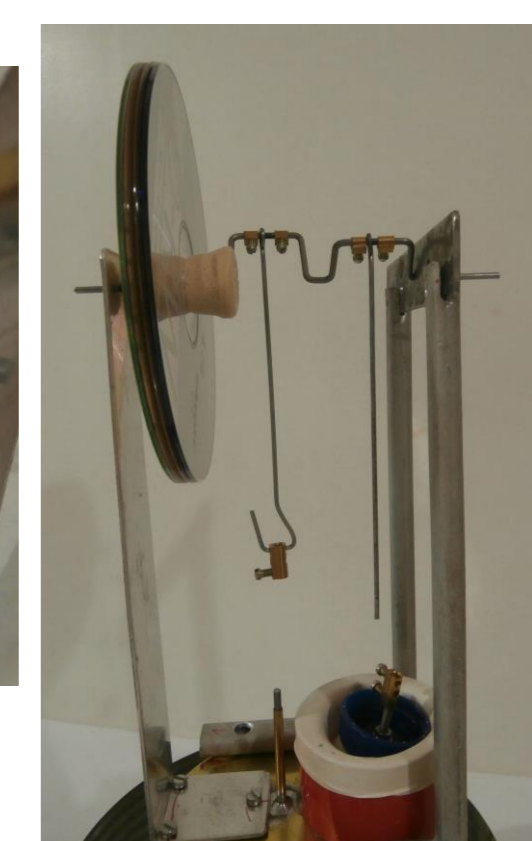
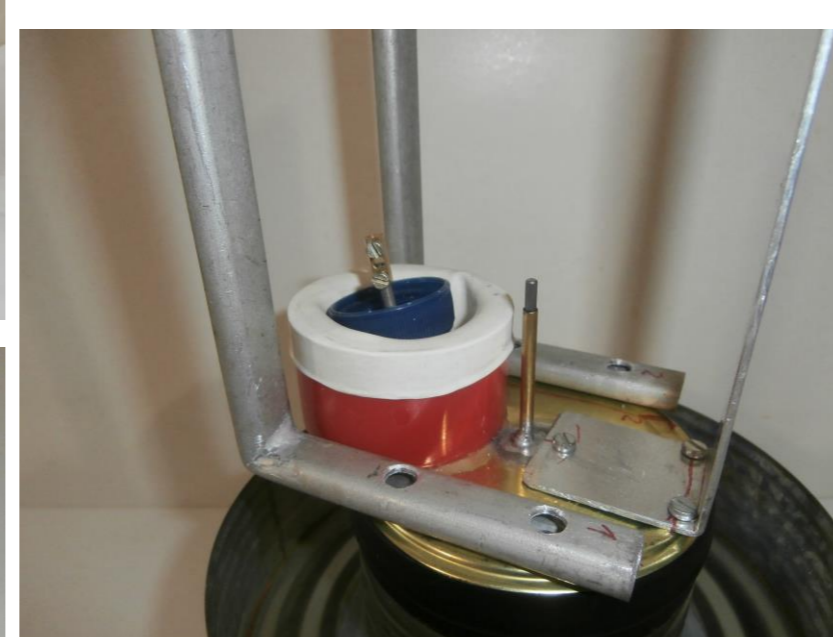
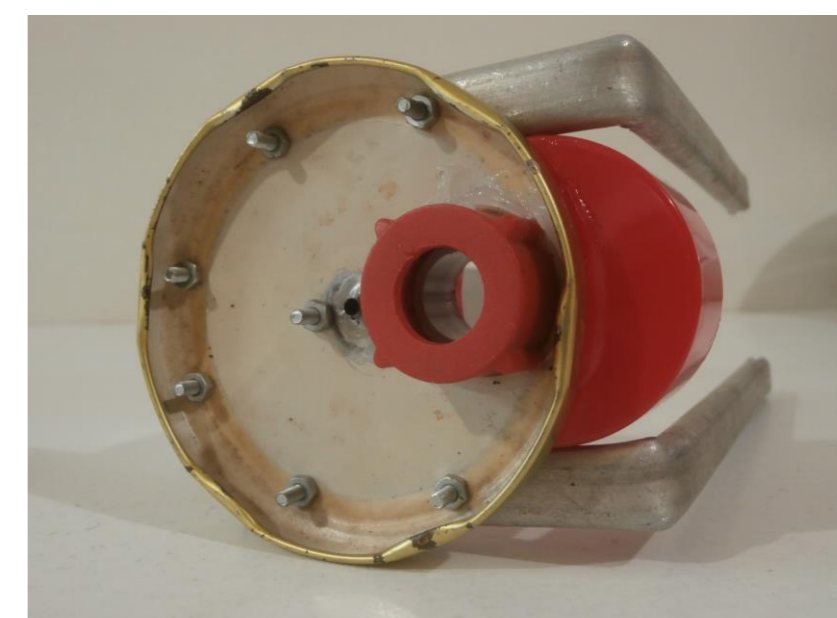
I. Beszeda, L. Sarka | Univ. of Nyíregyháza | Nyíregyháza | Hungary

Do it yourself – easy to prepare demonstration tools and experiments in physics and chemistry part 2.

Prepare yourself! Work and play!

- A home-made stroboscope.
- A vibrating jet of water, illuminated by a stroboscope (total darkness needed).
- An automatic „cleaning machine” or „running bug” made from nailbrush.
- An easy way to draw Lissajous curves.
- Some other demonstration tools or „toys” made from tincan, plastic bottles or other recycling materials, like
 - Stirling engines.
 - Water rocket.
 - Steam turbine models.
 - Franklin’s bell.
 - Playing with wind turbine models – how long wind do you have?
- Shooting with a compressed-air gun.

Example: parts of a Stirling engine:



Many of the above things have been made by children and students at Chemistry and Physics Summer Schools.

Do not hesitate to try these things at home!