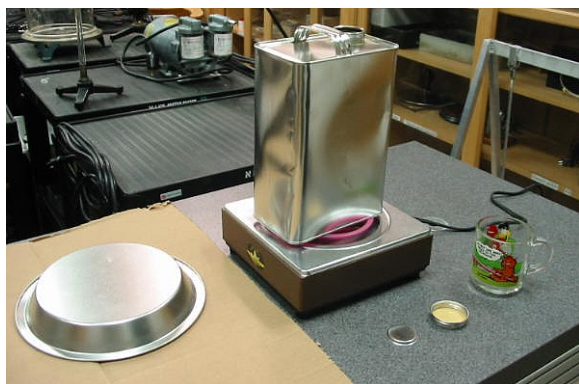


The Can Crush



Setup (before)



After

Purpose: Demonstrates atmospheric pressure.

This is the old classic, which the students love because something is destroyed. Put a half cup or so of water in the 1 gal can, and boil it on the hot plate. Once it is boiling and steam is visibly escaping, cap it tightly and set aside to cool.

Note: It takes about 5 min. starting with hot tap water to boil. If you cool the can in air, it will collapse slowly over 10-15 min. making an occasional groan. If you want to speed things up, try setting it in a tray of cold water.

Extra Equipment: Hot plate and something to set the hot can on.

Location: A supply of empty cans are located on top of the left-hand GP cabinet.