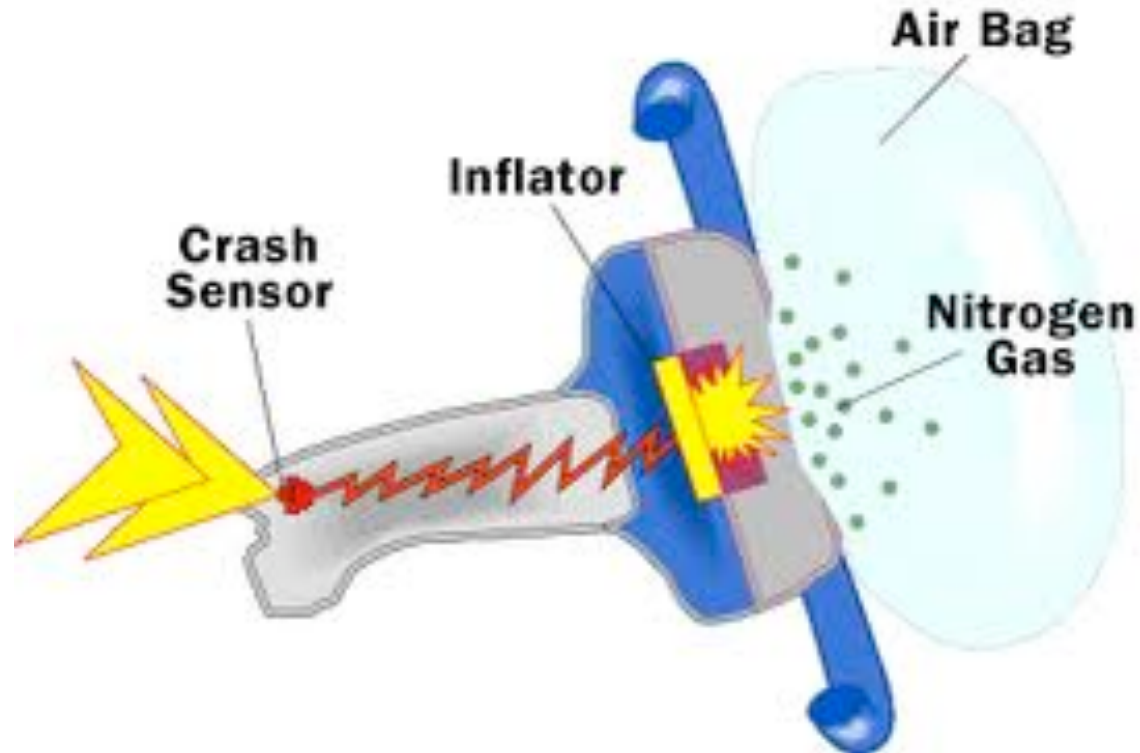


Special Project for 2011

Terrafugia: airbag plastic membranes



Olin Campus/Olin Lab Failures

Ice maker from Olin bio lab

(Joanne Pratt)



Baja vehicle flange

(there are probably additional Baja-related failures available...talk to the team)



Olin CC patio table screws



Lovely lead-coated copper



Clamp from design studio

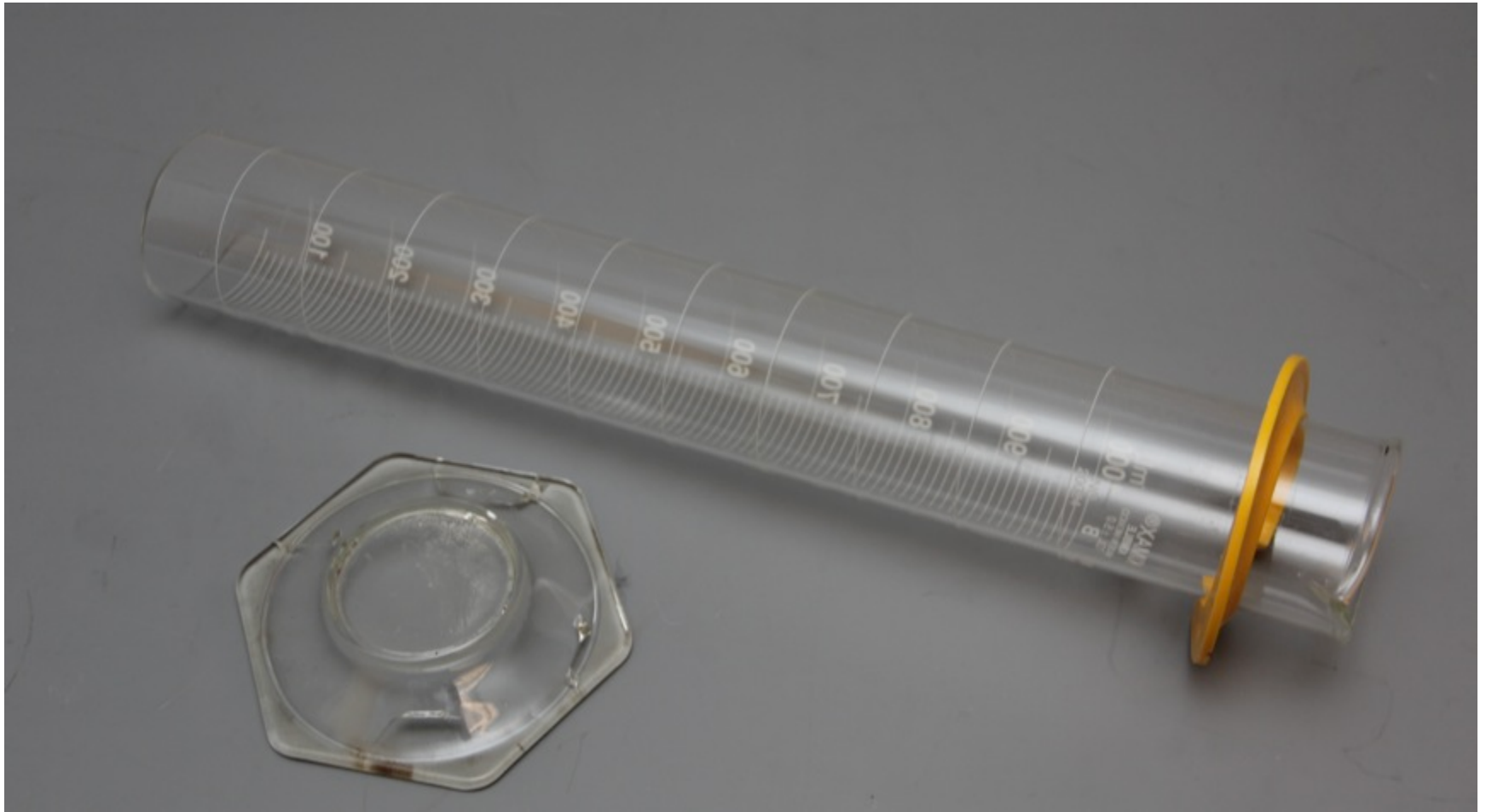


Precision saw motor



Graduate cylinder

(this fractured when a team was using a hot plate to heat water in the cylinder)



Pellet die

(this “froze up” when pressing ceramic powder)

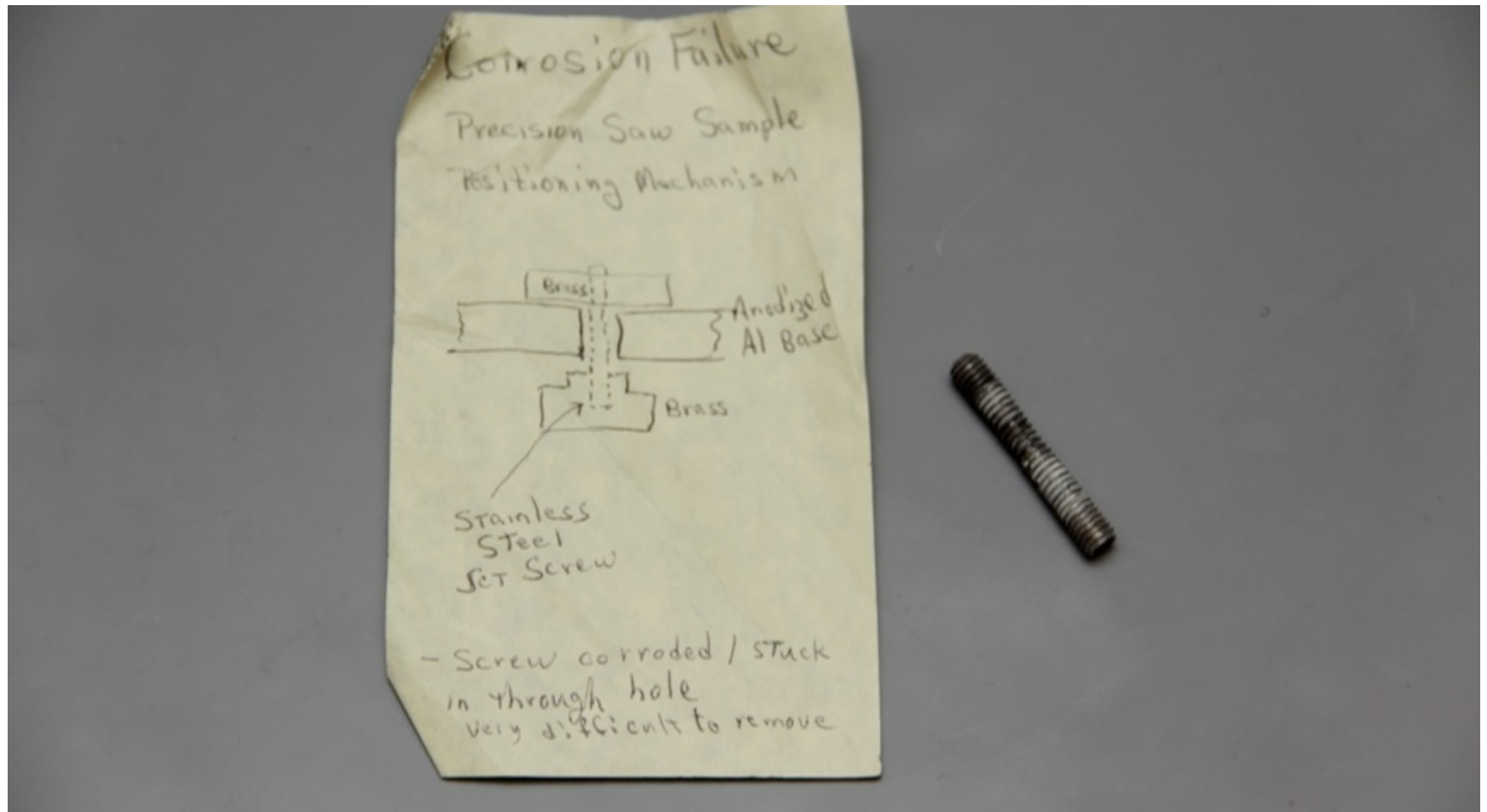


Thin film deposition furnace



Corroded screw from Buehler polisher

(matsci lab)



Sonicator probe

(Rebecca Christianson's lab)



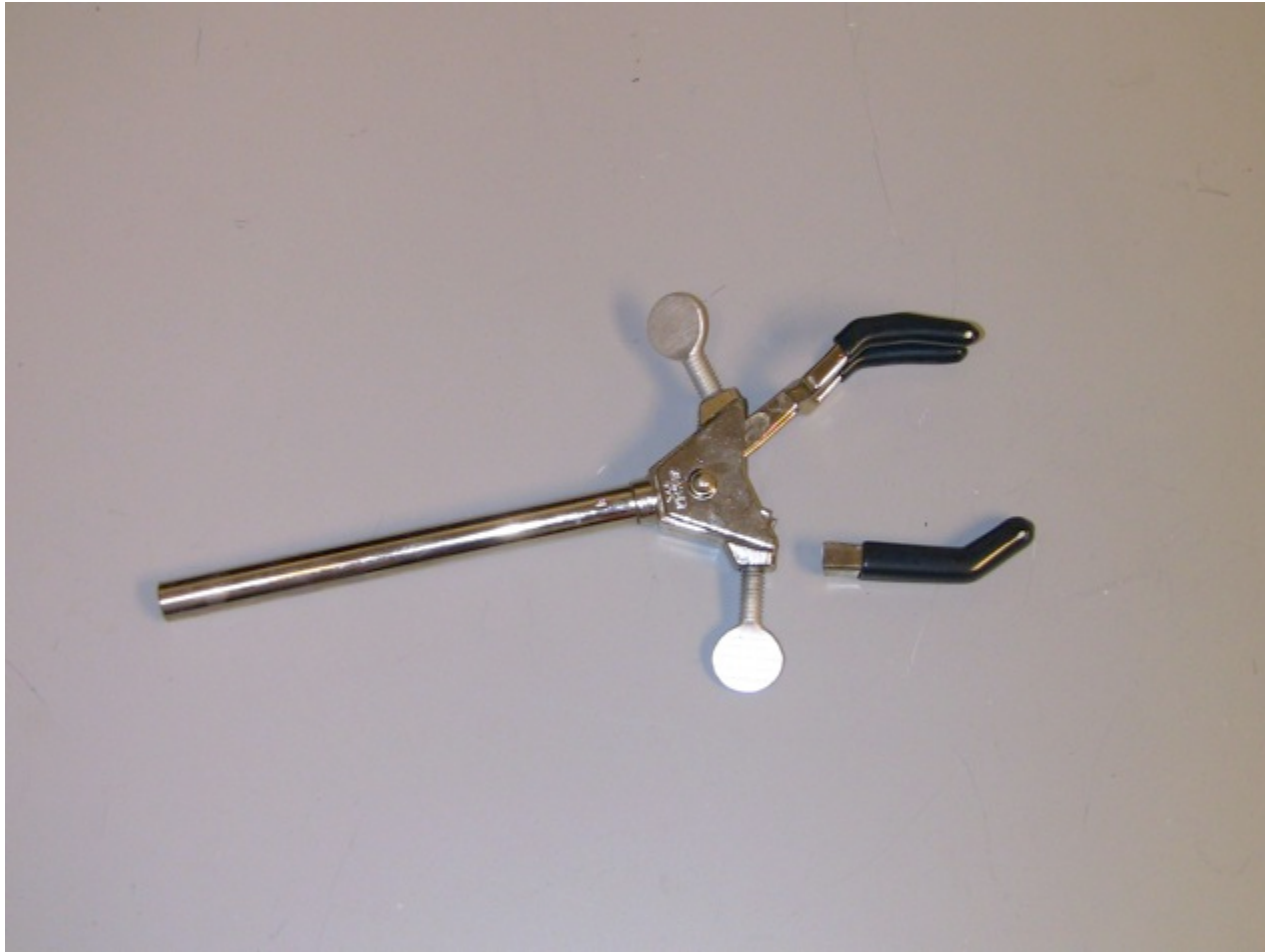
Mug (used with liquid nitrogen)



Liquid nitrogen phase separators



Glassware clamp



Car and Bicycle Parts

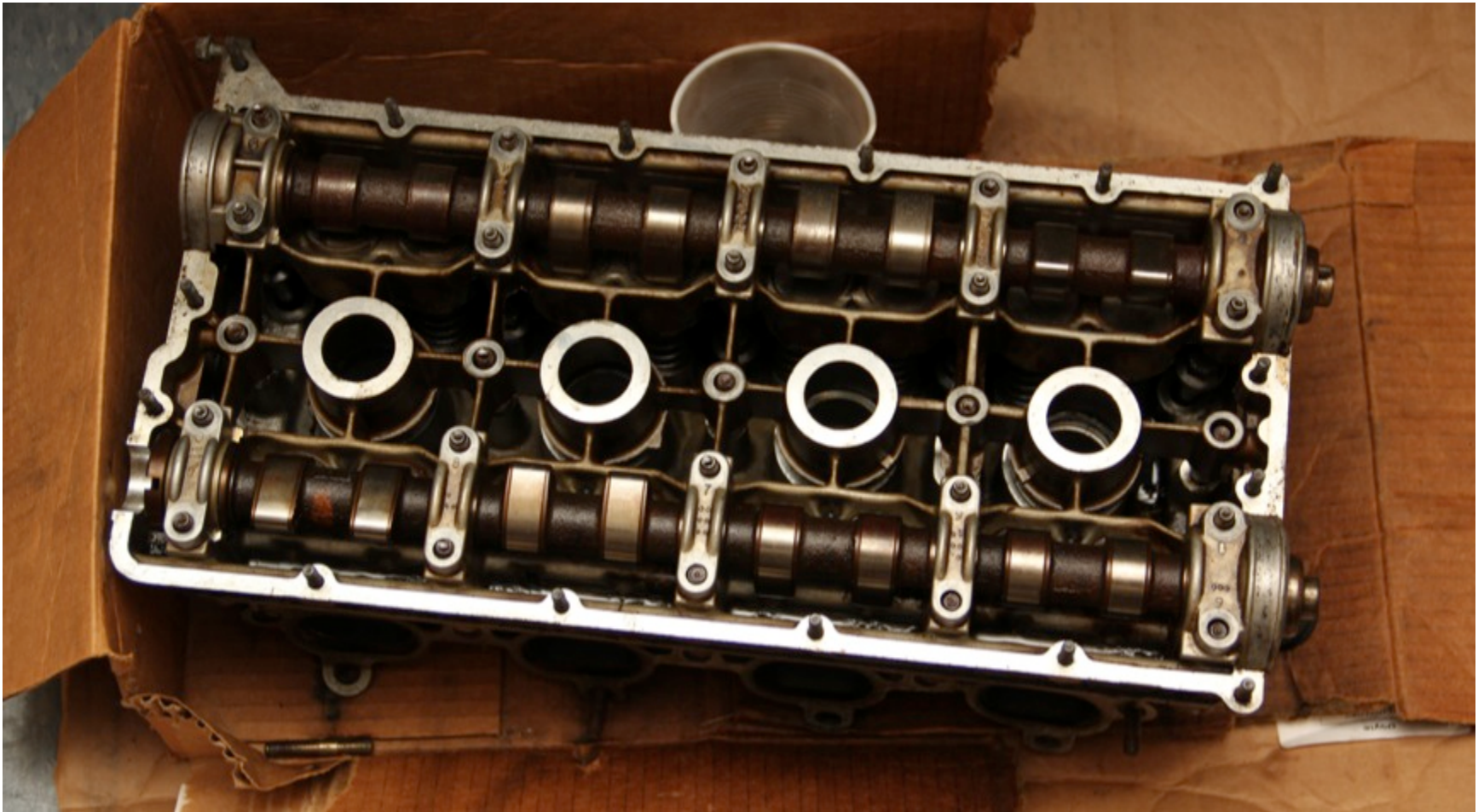
Automobile jack

(Eamon Doyle)



Volvo cylinder head

(Eamon Doyle)

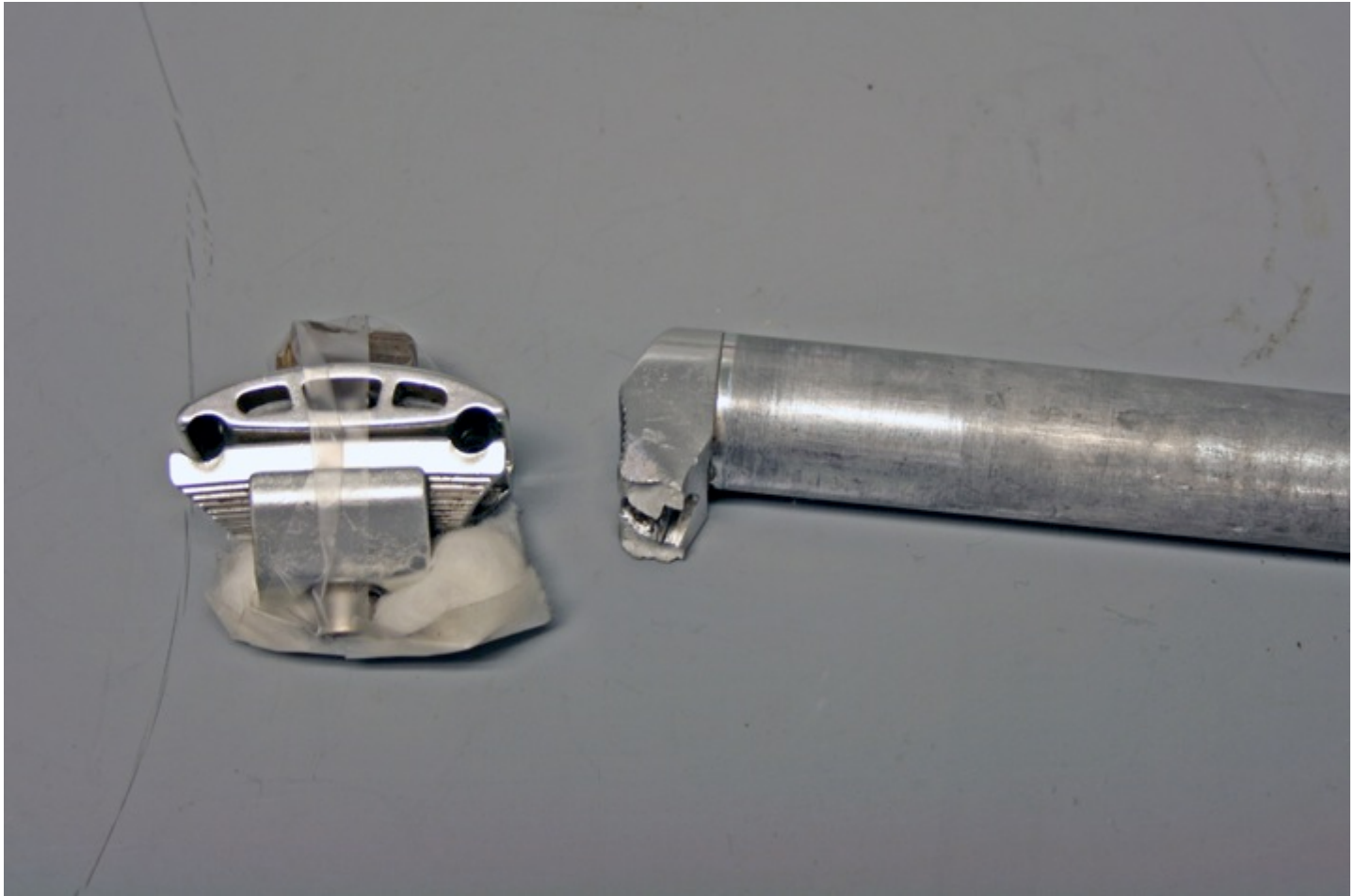


Automobile belt pulley

(Eamon Doyle)



Bicycle seat post



VW Jetta (2001): corroded wheel



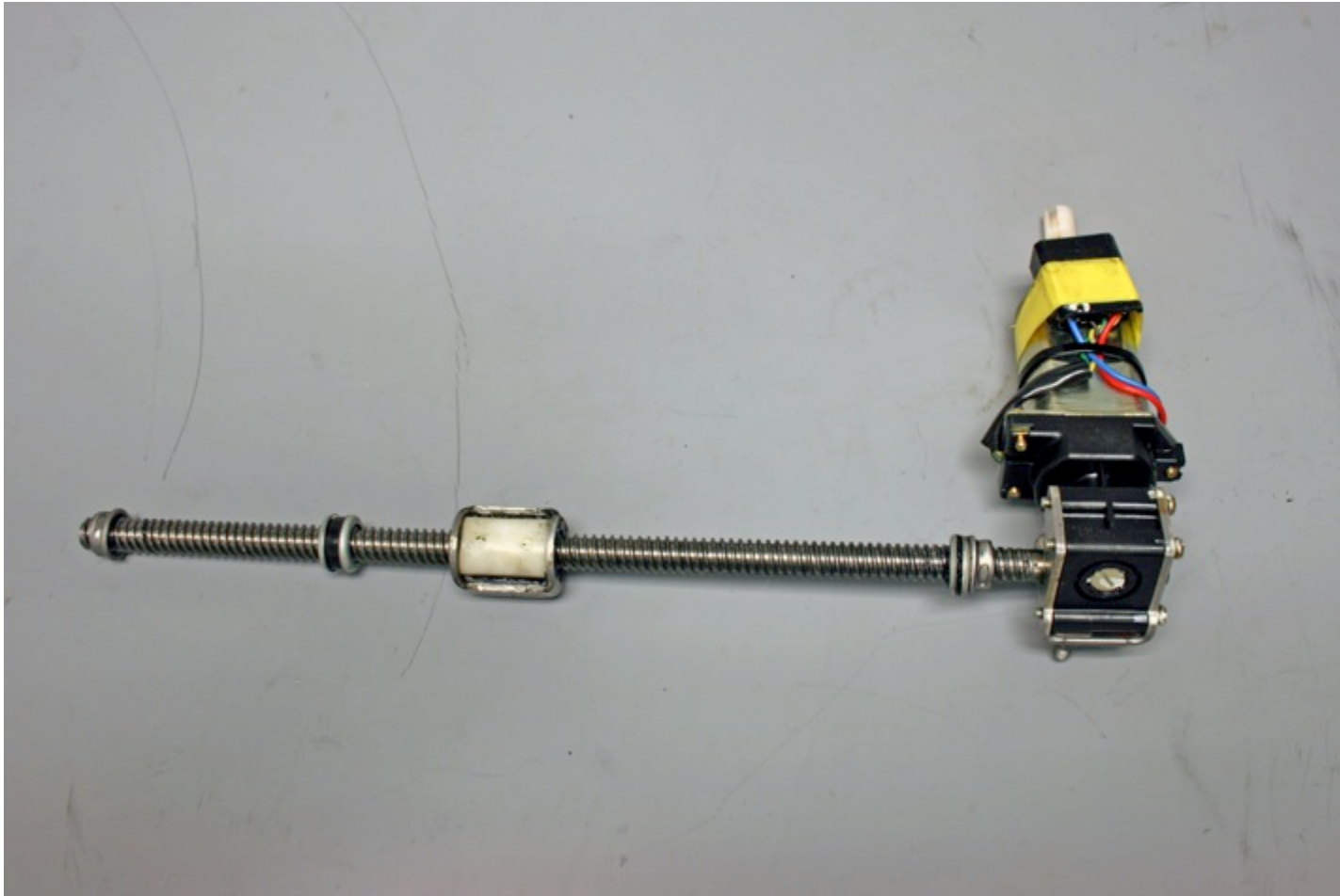
Saab 9-5 (1999) ignition coil



Nissan Maxima (2002) strut



Nissan maxima (2002) power seat mechanism



Saab 9-5 (1999) injection coil

Nissan maxima (2002) blower fan

Mechanical/Machine Components

Tractor shaft



Large shaft (??)



Steering shaft from Ford Ranger



Milling machine collet screw



Instron grip components



Water jet cutter – high pressure tube

See Emily Towers – she's carrying this thing around in her backpack.

Tools

Fractured Rasp



Finishing saw



Anvil tool



Quickgrip clamps



Caulk gun



Micrometer



C clamp



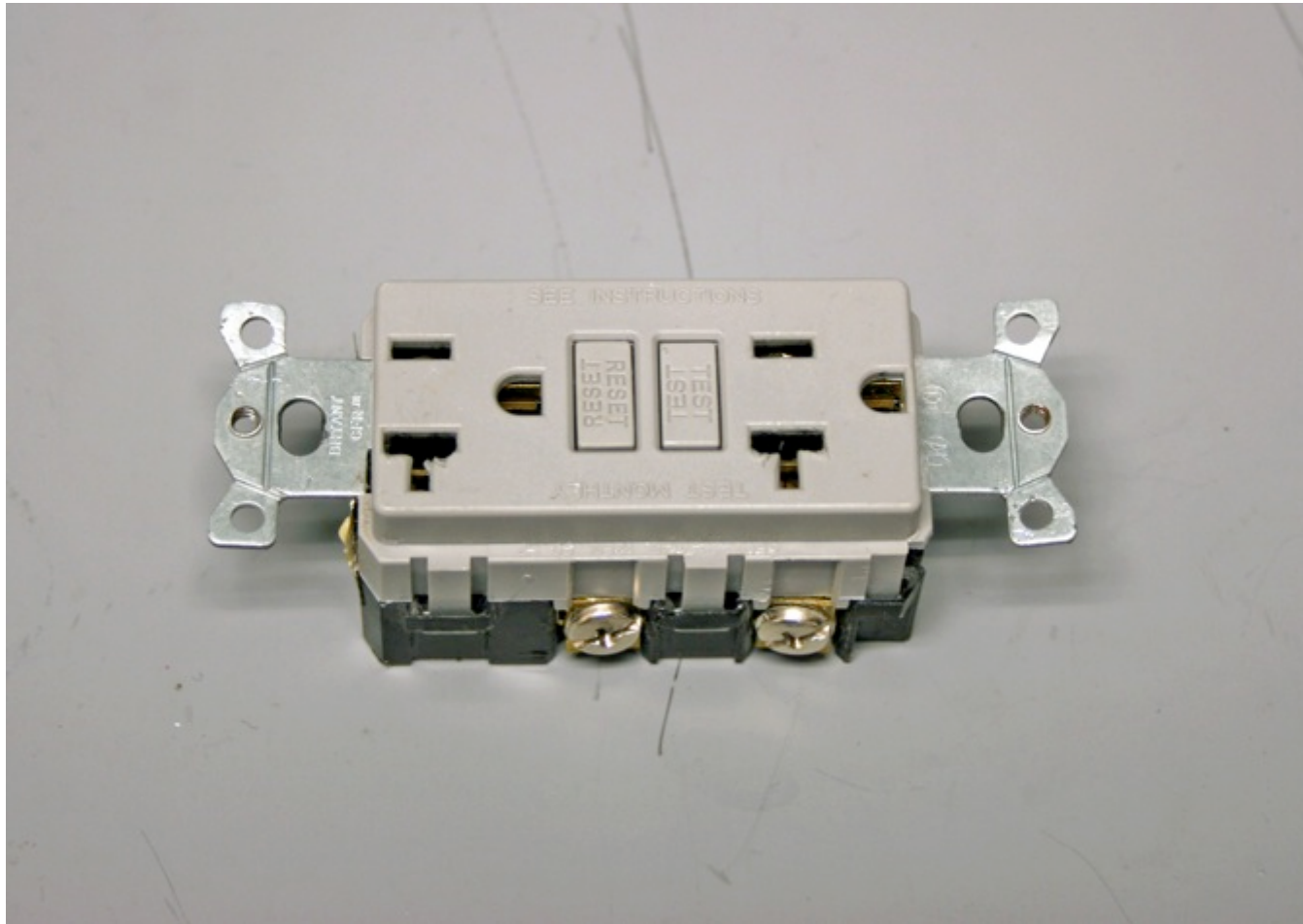
Assorted cutting bits

(good for fracture surface examination, maybe not for a full failure analysis)

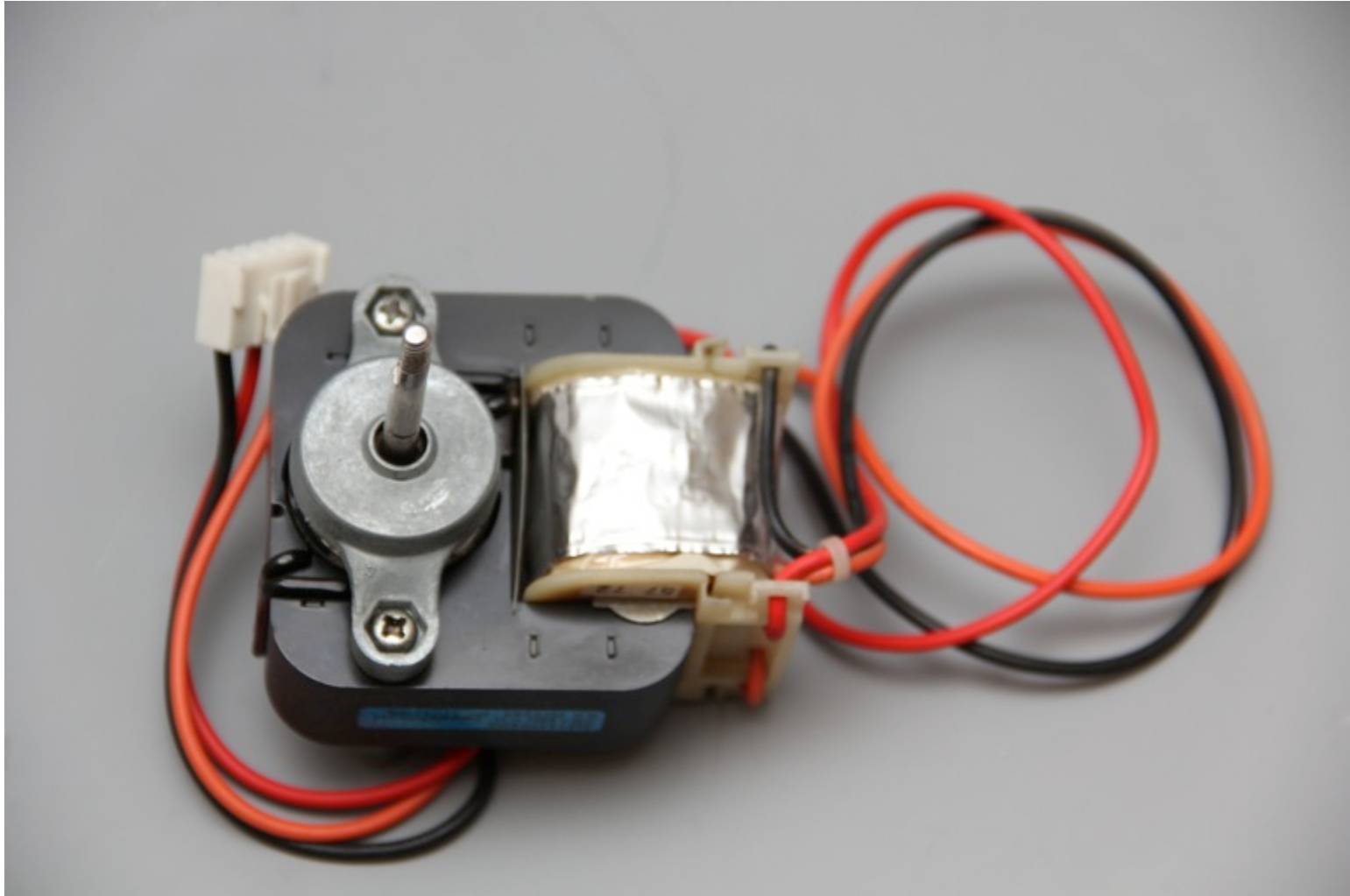


Electrical Products and Components

GFCI outlet



Dehumidifier fan motor



Light socket



Computer power supply



Carbon monoxide alarms



Pendant light

(Stolk)

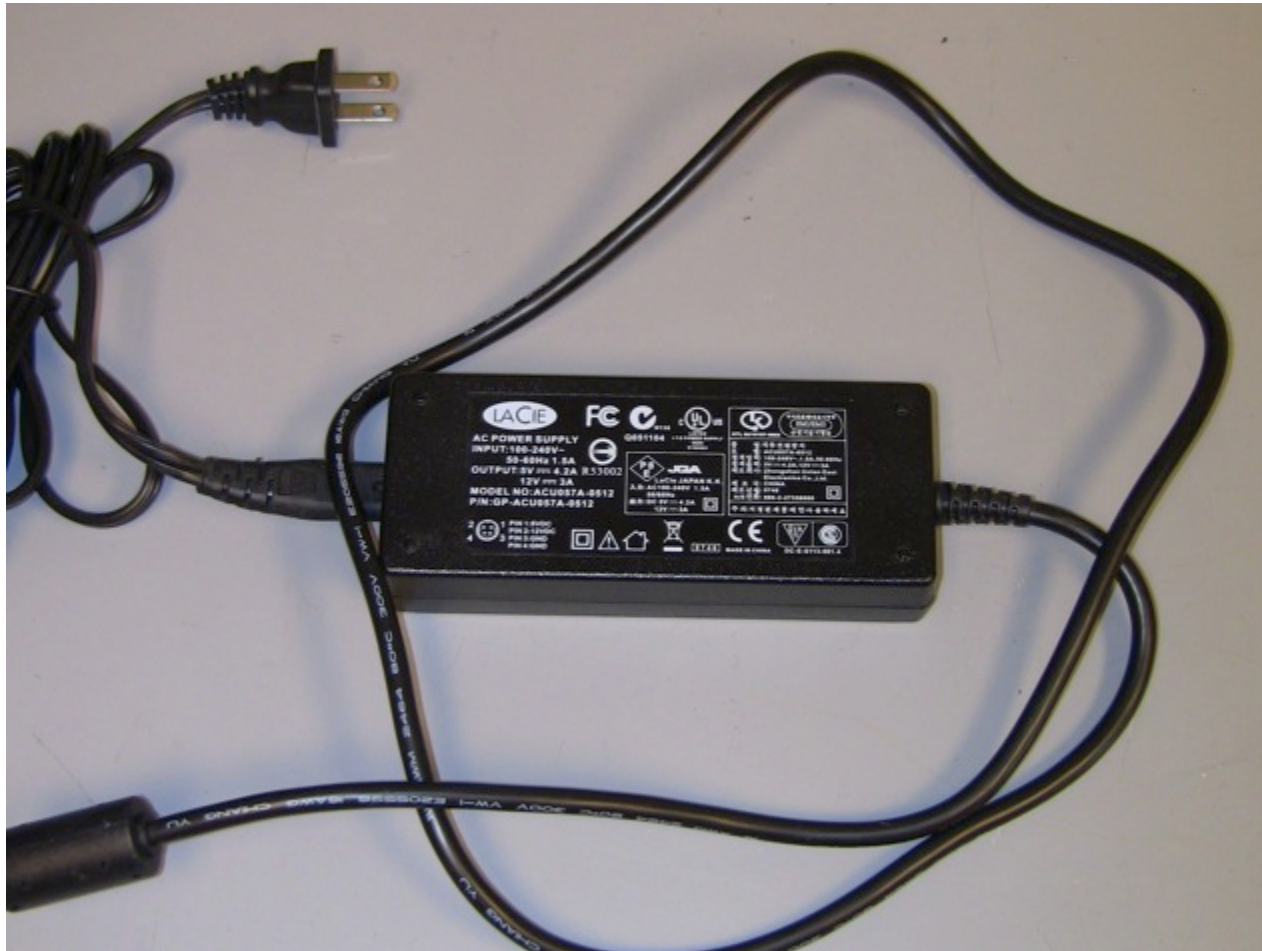


Pendant light

(I have two of these)



Hard drive power supply



Lego controller

(Caitrin Lynch)



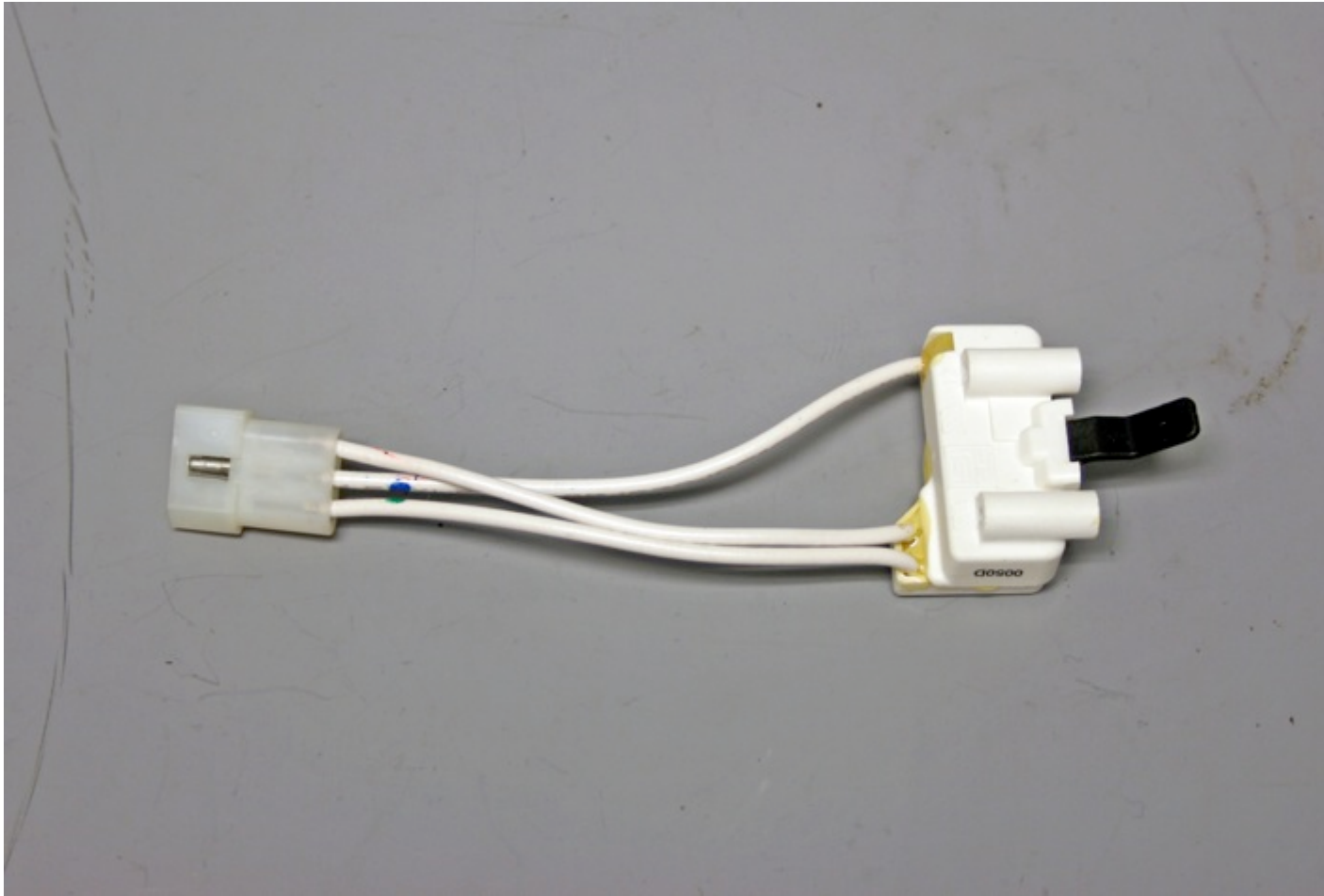
Jon -
for your farkne class,
if suitable -
The screen stopped
displaying anything.
- Caitrin
(Lego sent me a free
replacement) →

Toaster oven

(Lynn Stein)



Washing machine door switch



Beard trimmer



Piano sustain pedal



Big fan



Little fan

(Jean Huang)



Kettle

(Caitrin Lynch)



Oven heating element



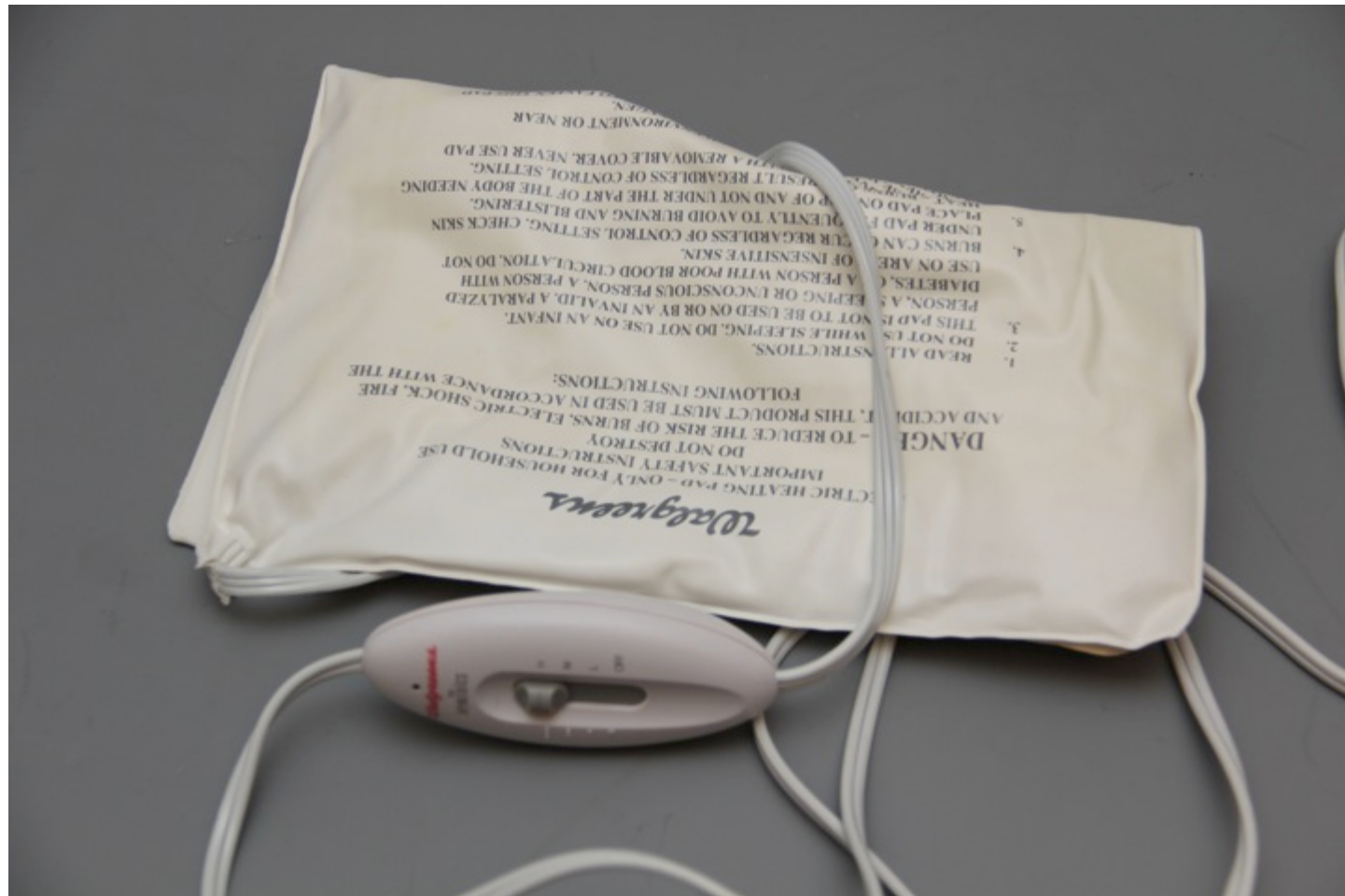
Backup power supply



Refrigerator defrosting bulb



Heating pad



Assorted Consumer Products

French press



Garbage disposal

(Zhenya Zastavker)



Garlic press



Clock



Dustbuster



Iron



Ice scraper



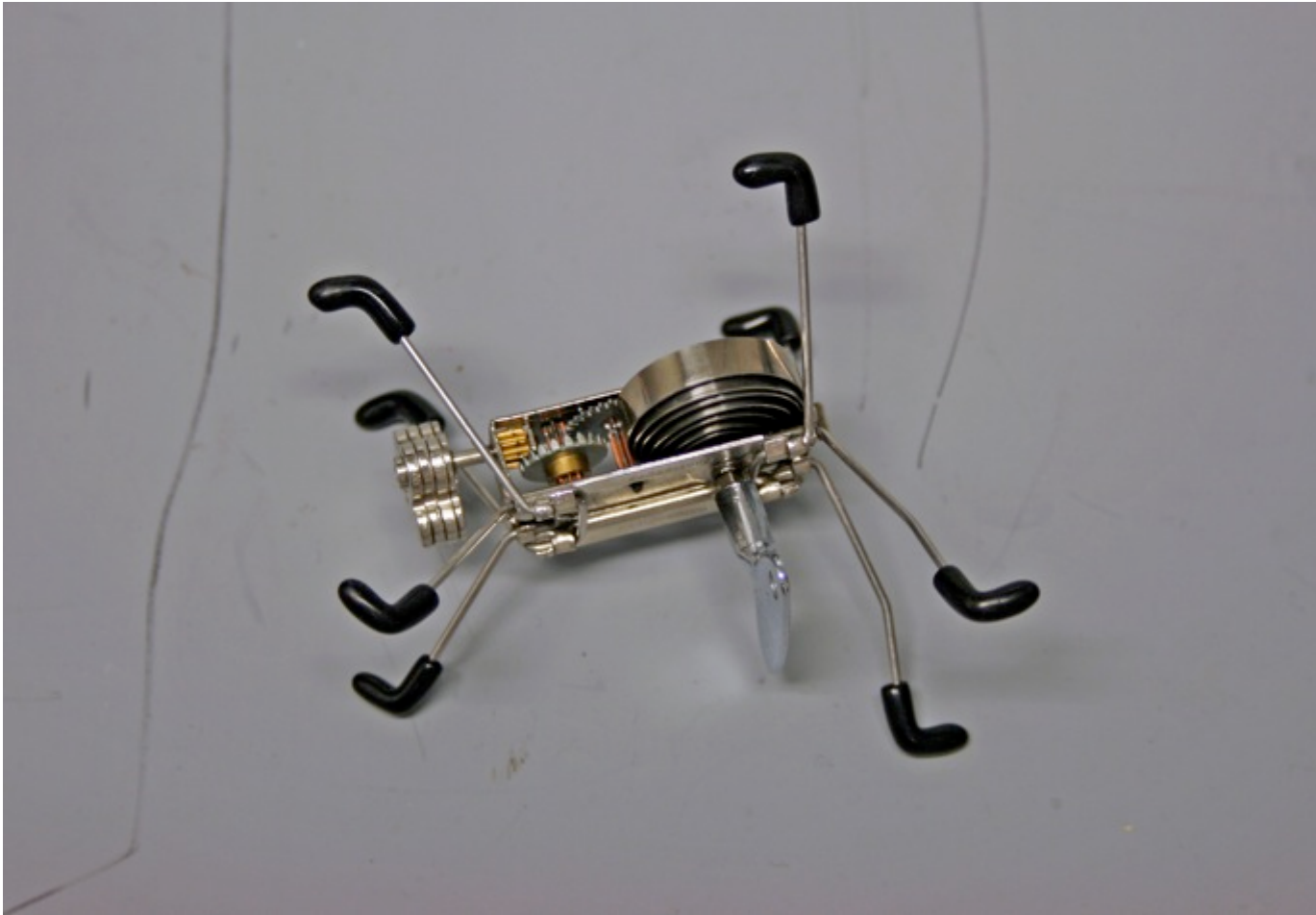
Hose sprayer nozzle



Hose sprayer nozzle



Jumping toy



Air pump



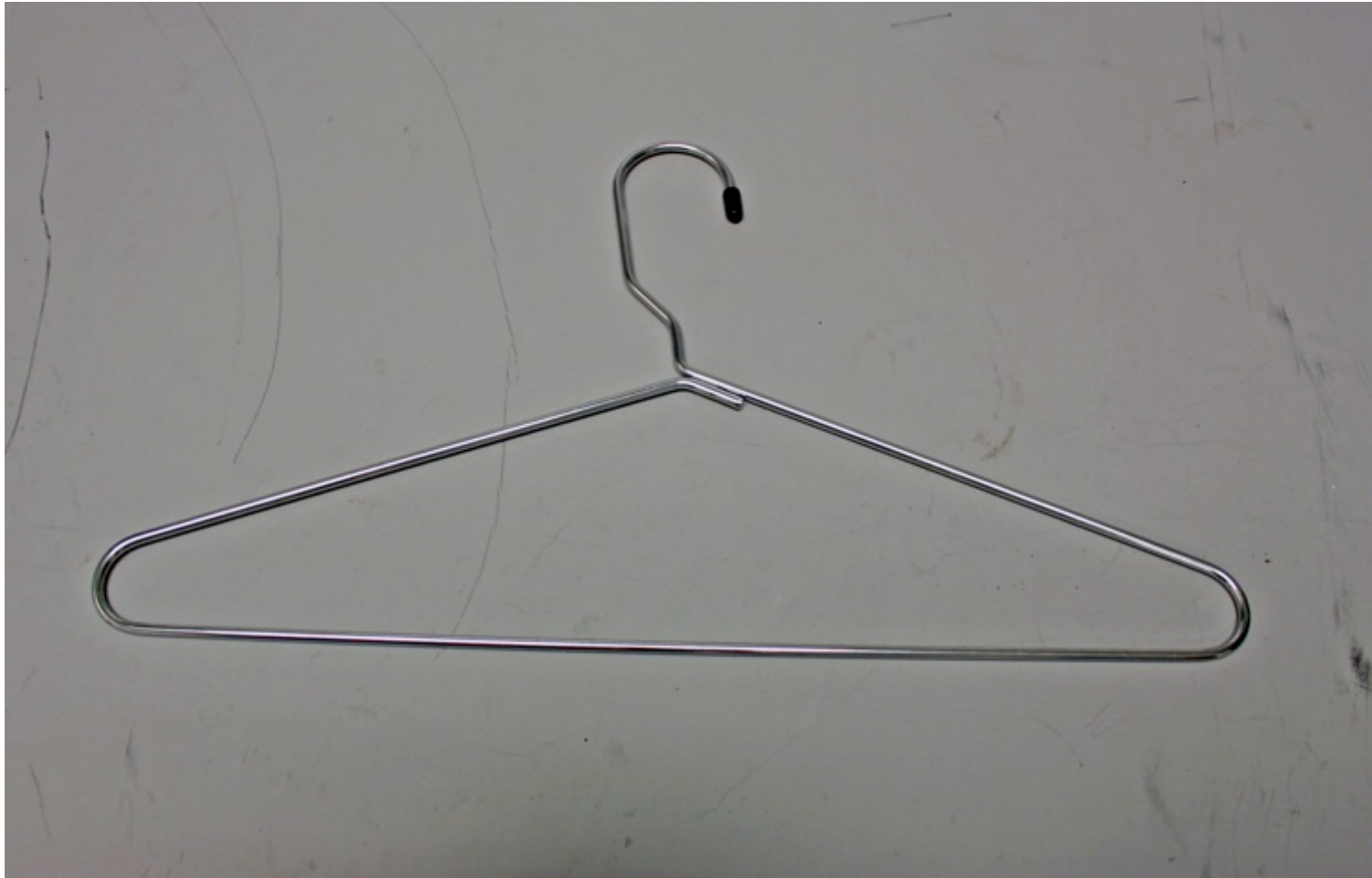
Drinking cup



Garbage can handle



Clothes hanger



Door handle



Doorknob



Umbrella



Another umbrella



Tripod



Toilet paper roll adapter



Water bottle



Bottle topper

(Jeff Satwicz)



Salad tongs

(Alison Black?)



Corkscrews



Spring-loaded clips



Precor stretch trainer safety strap

(Stolk)



Refrigerator defrosting lamp

(Stolk)



Briefcase strap

(Stolk)

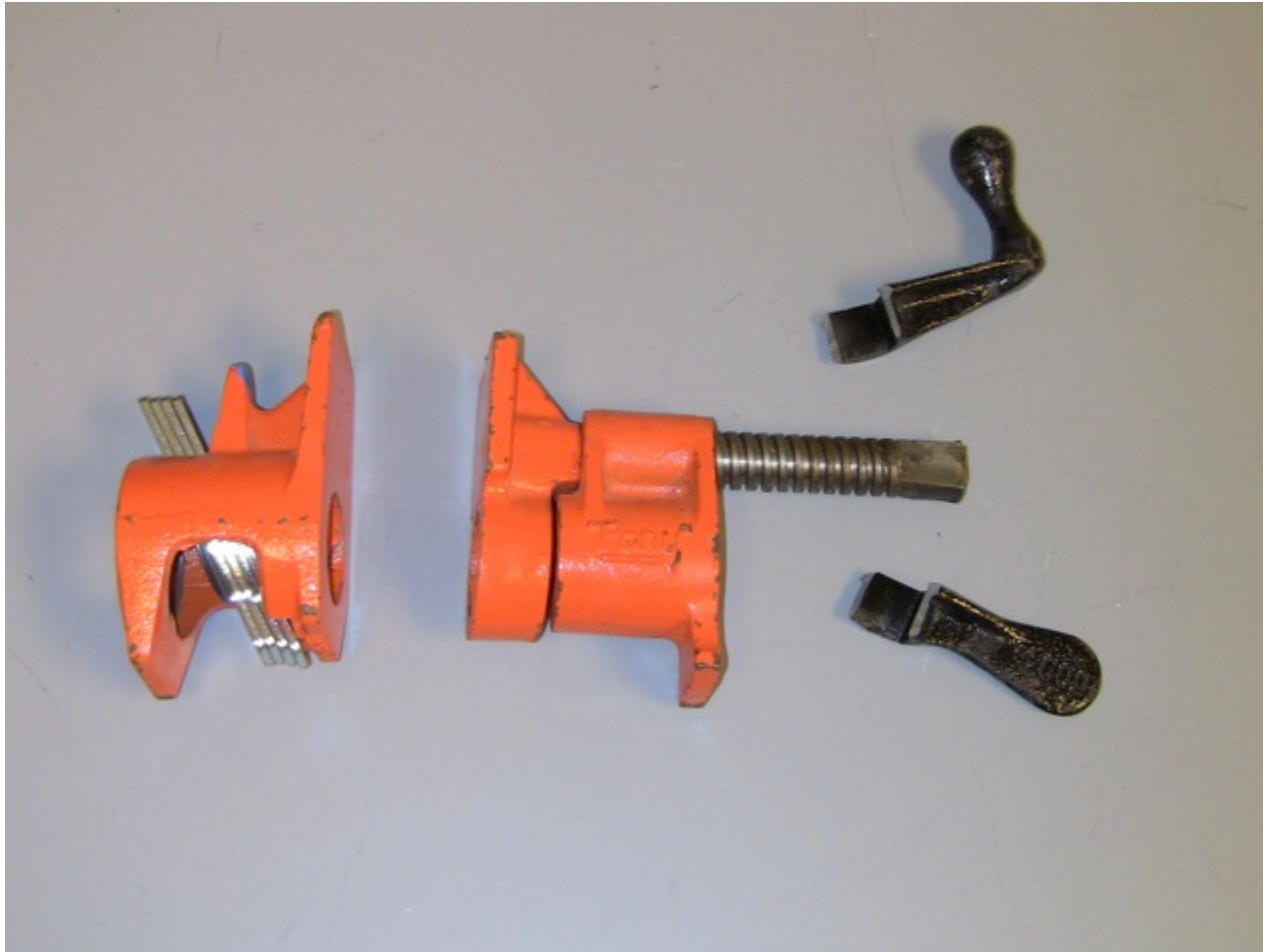


Salt grinder



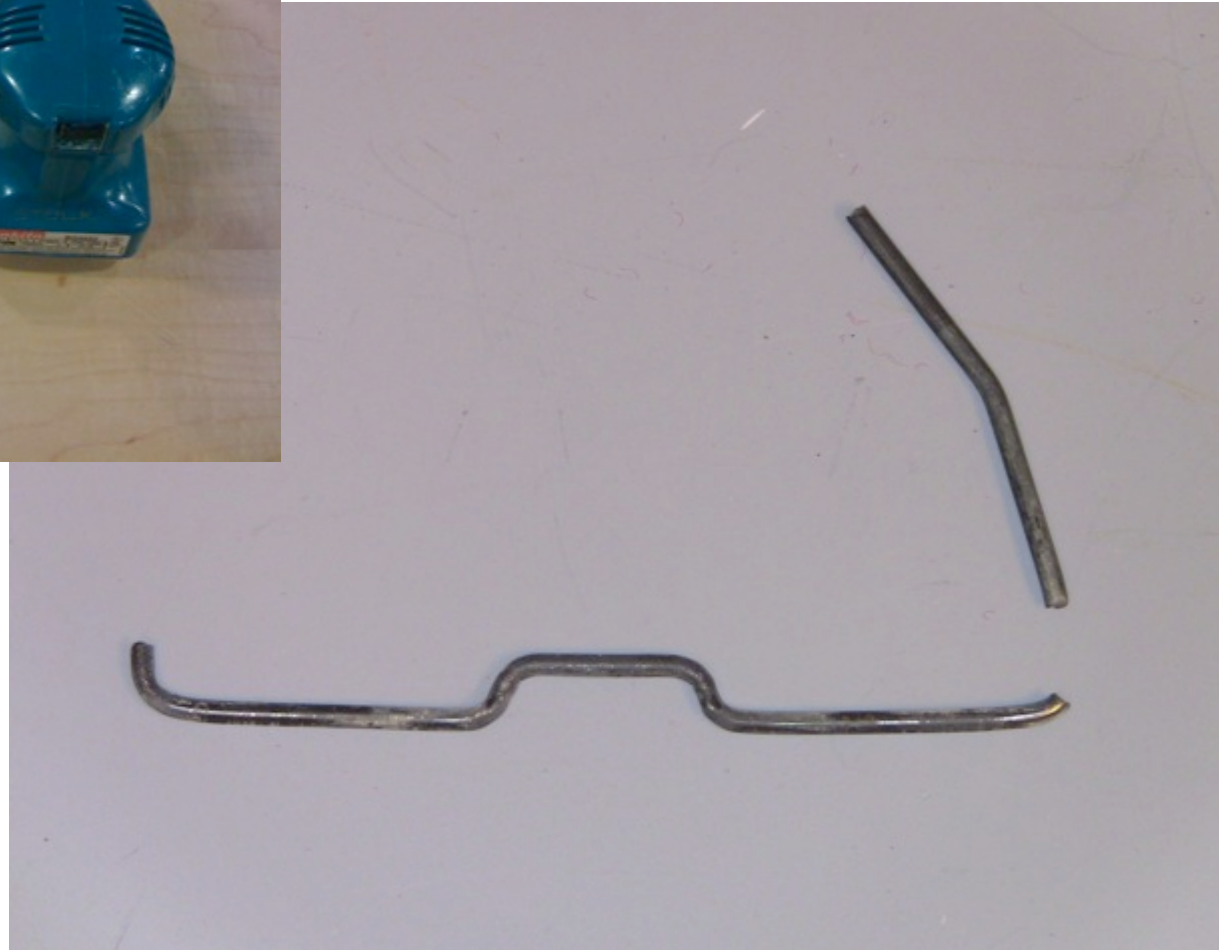
Bar clamp

(Stolk)



Palm sander lever

(Stolk)



Corroded or Degraded Parts

Grill burners

(Stolk)



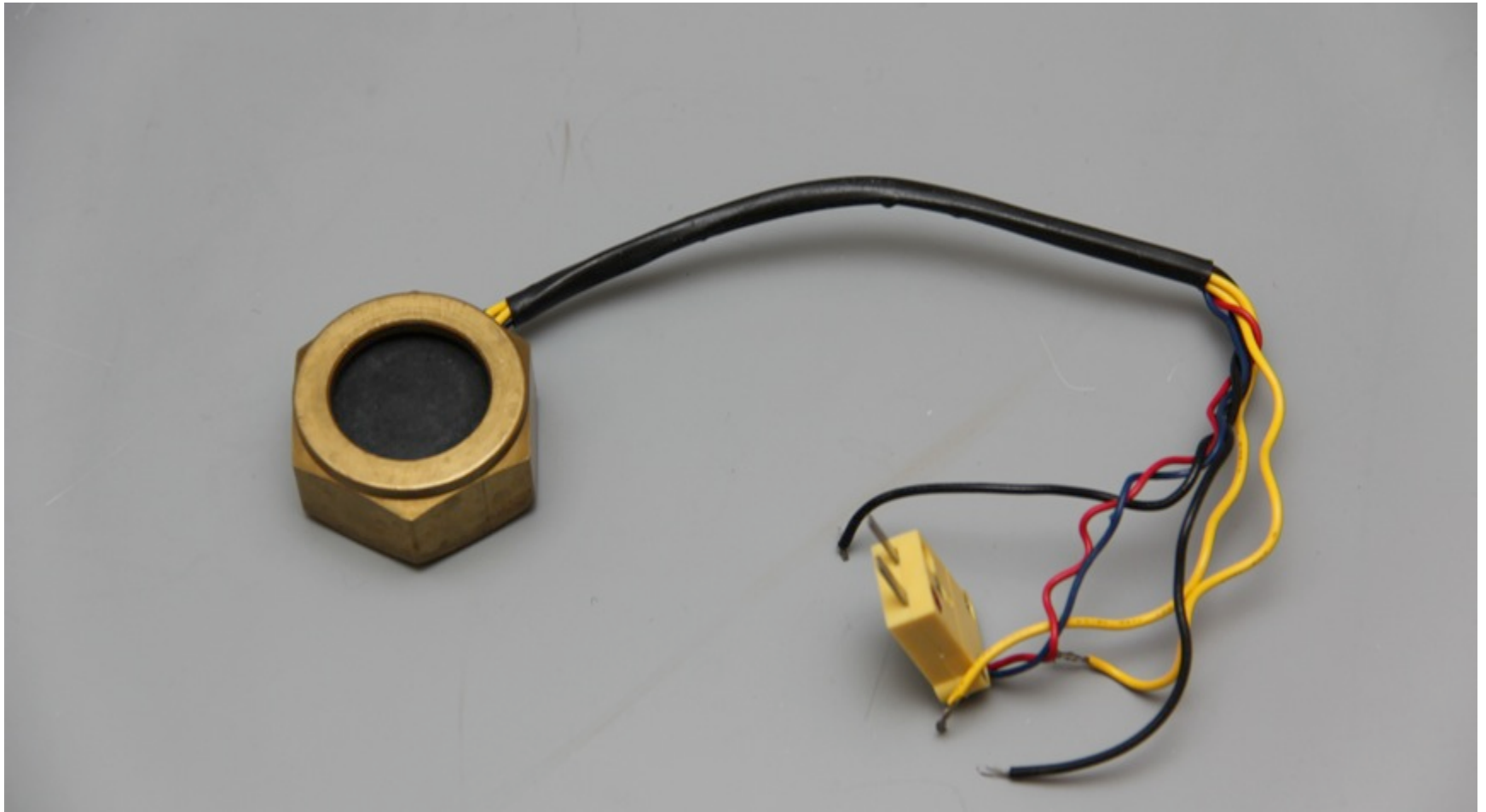
Ben Linder's bee hive covers

- Interesting chemical reaction between cement bricks and a metallic bee hive cover. No photos, but talk to me about this if you're interested.

60 year old drain pipe



Superconductor test setup



Mouse pad (cracked)



Doorbell



Water valve



Mouse

(I'm thinking the yellowing of the plastic might be interesting)



Grill heat indicator



Shower head

