

# Engineering Electricity and Magnetism

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Figure 8.1. Batteries



## Problem 1: A Light in the Dark

Figure 8.2. Spelunkers (Cave Explorers)



Figure 8.3. Flashlight



Figure 8.4. Materials to Make a Homemade Flashlight

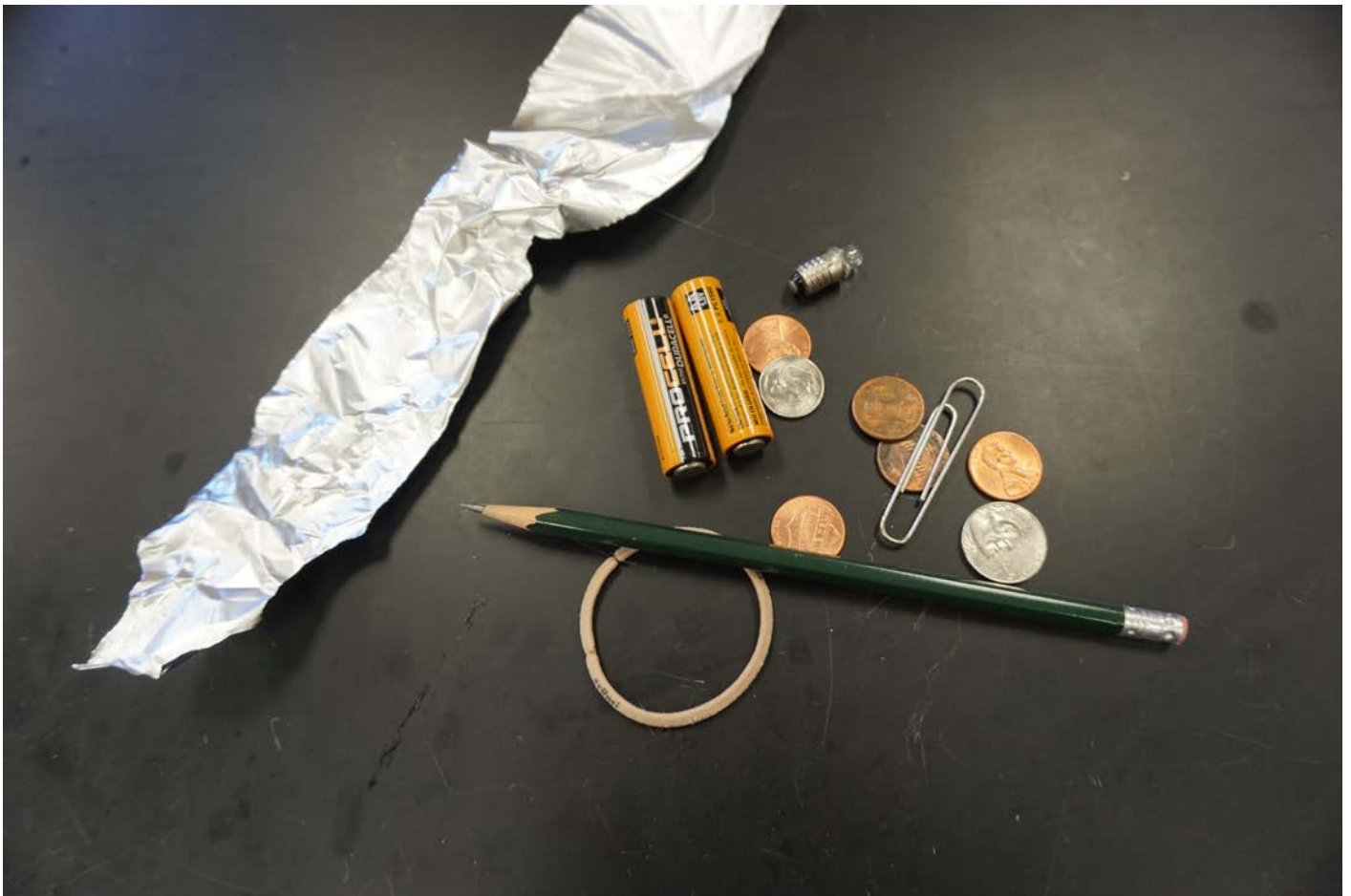


Figure 8.5. Homemade Flashlight

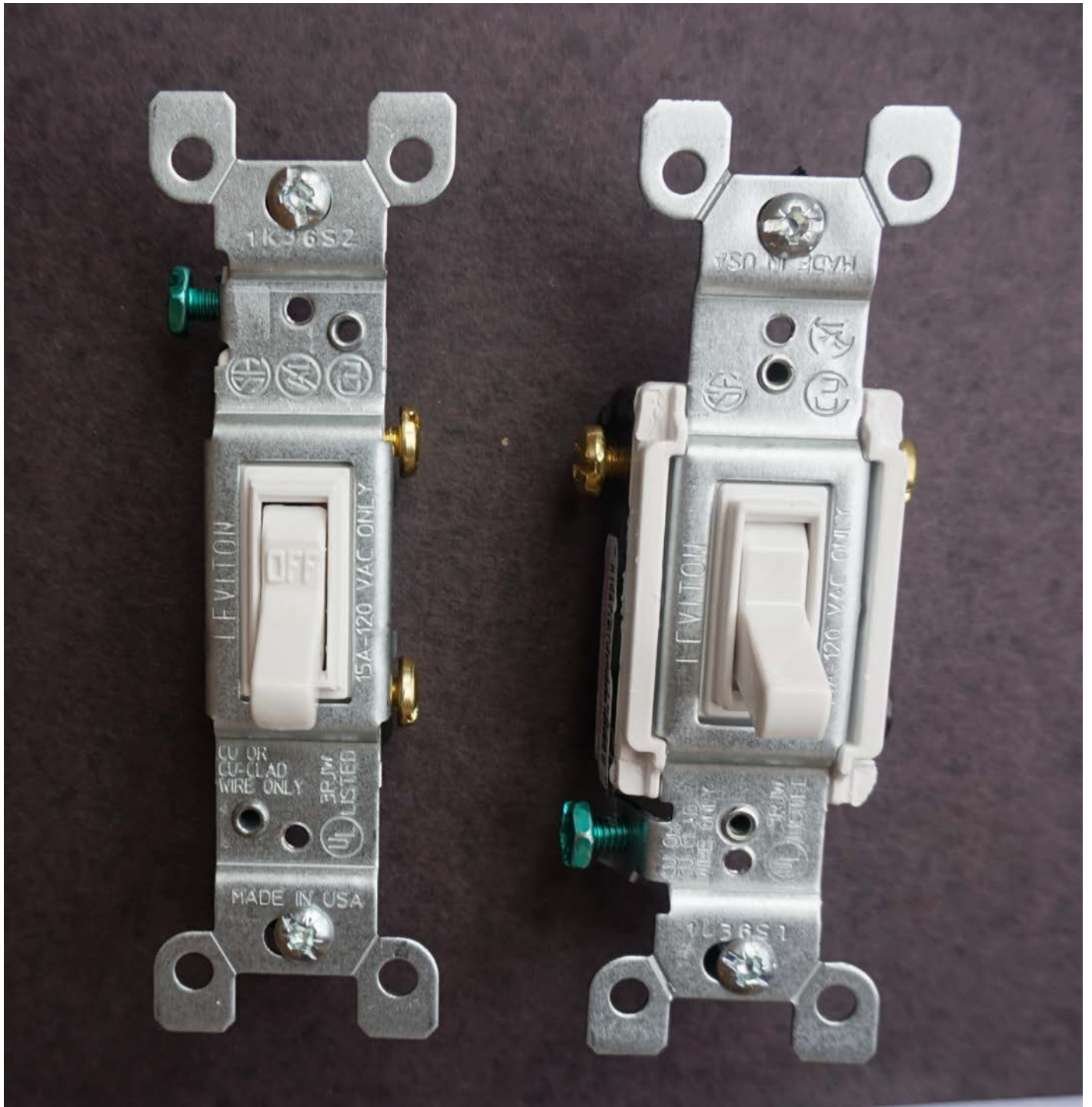


## Problem 2: Wiring a Cabin

Figure 8.10. Appliance Fuses



Figure 8.11. Single and Two-Way Switches



## Problem 3: Cool It

Figure 8.17. Personal Fan



Figure 8.18. Cabinet Magnets





Figure 8.19. Homemade Electric Motor

