

LEGO electro-wind

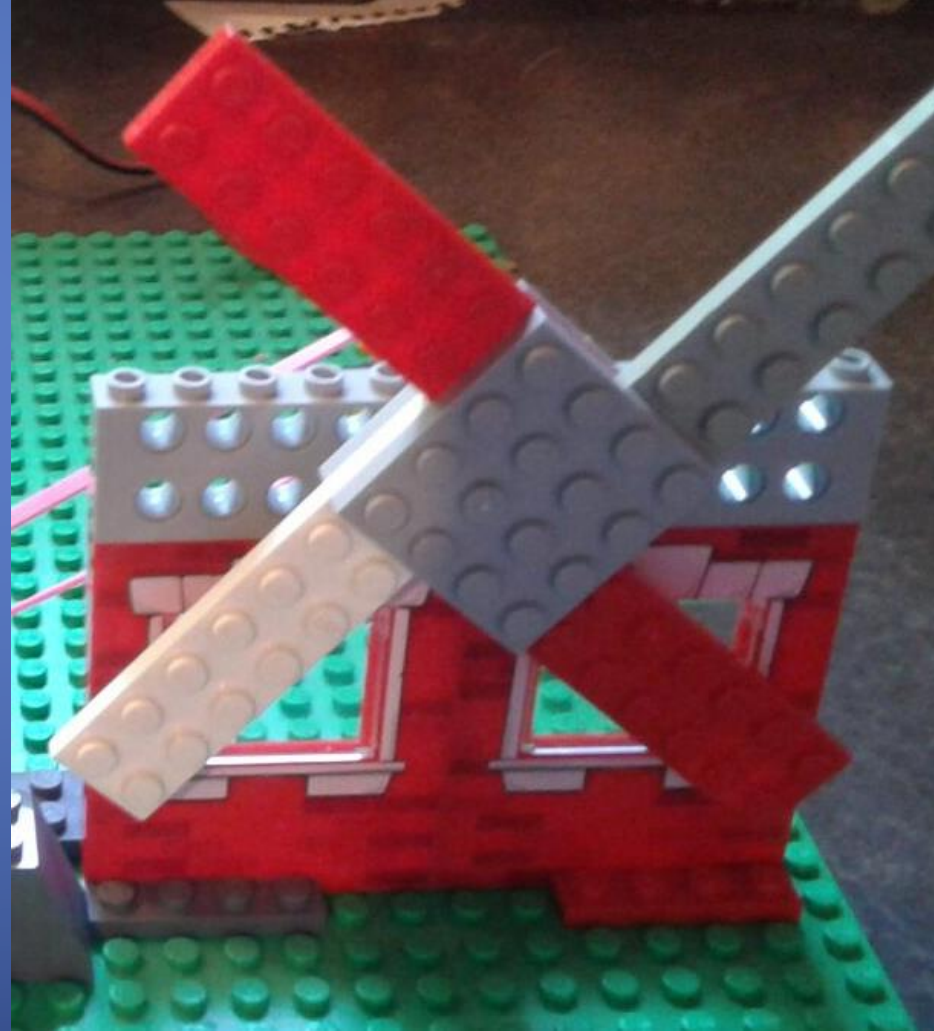
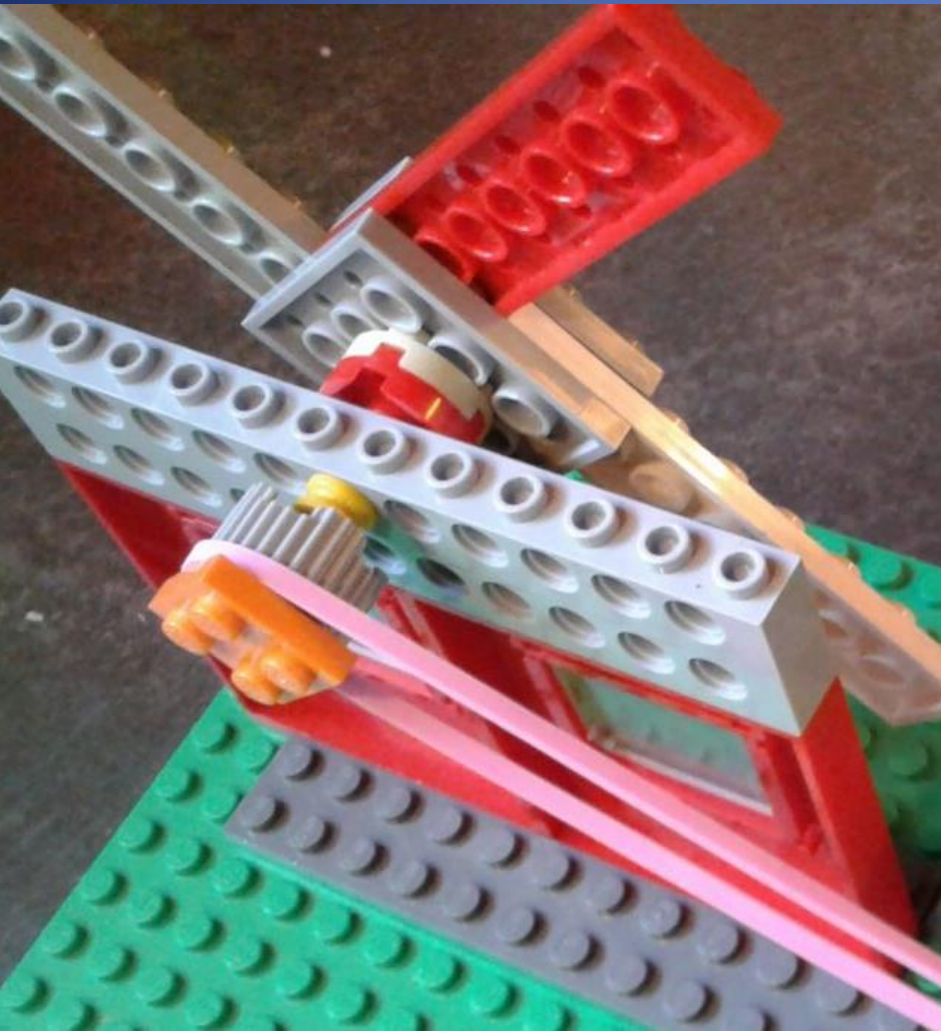
A LEGO windmill with four white sails and a red body, set against a blue sky and green grass background. The windmill is the central focus of the image, with its sails extending outwards in a cross shape. The background is a simple, bright blue sky and a green grassy field.

Can my electric motor make my Lego® creations really work?

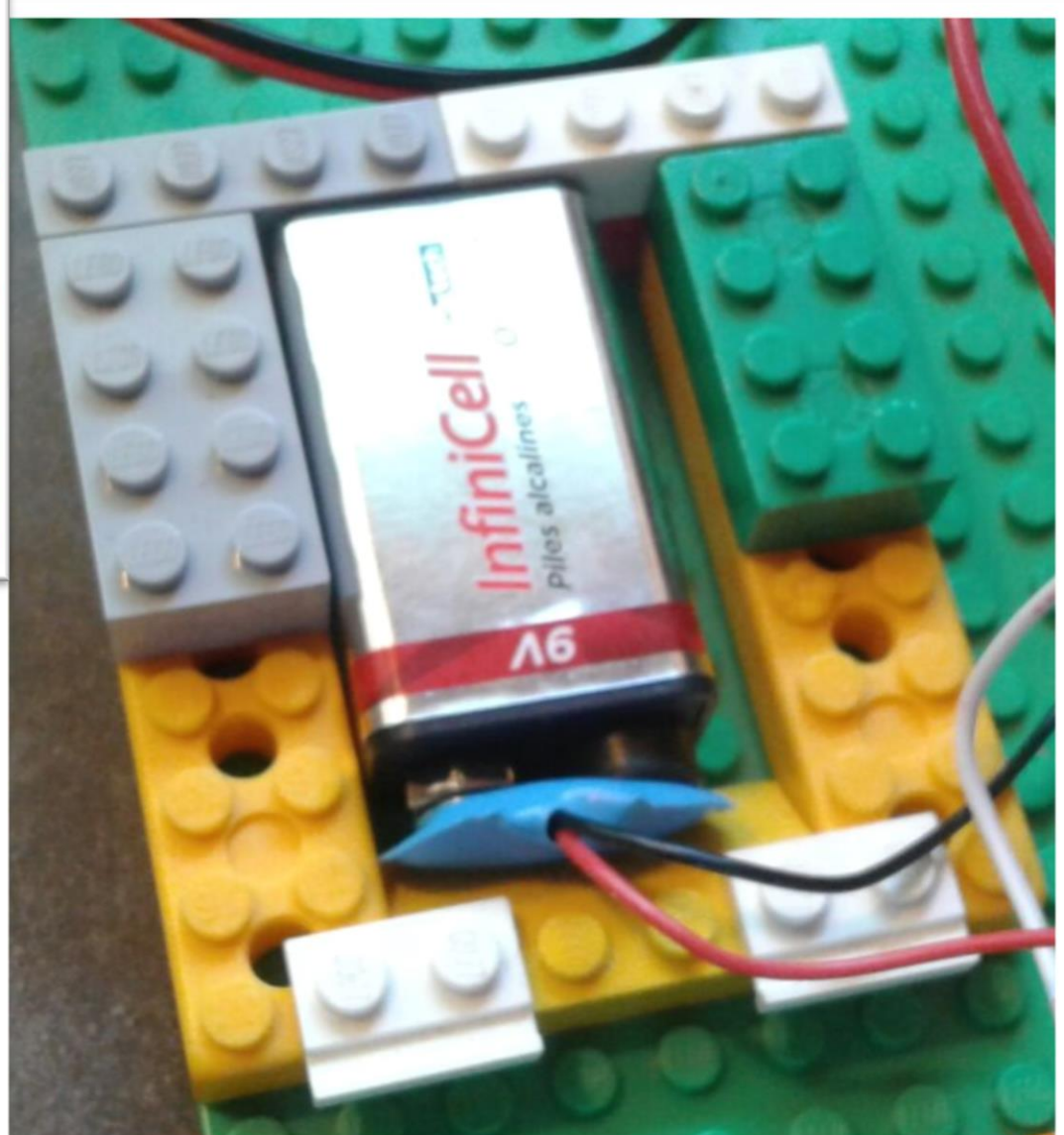
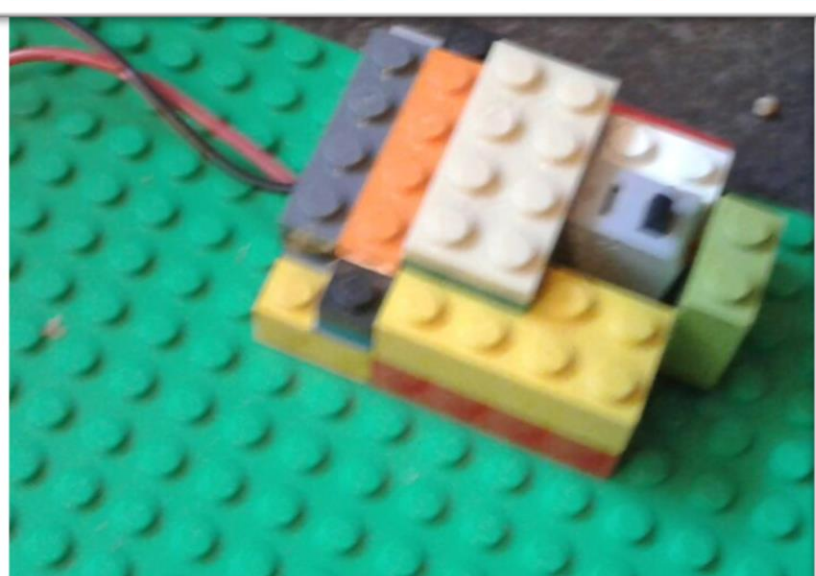
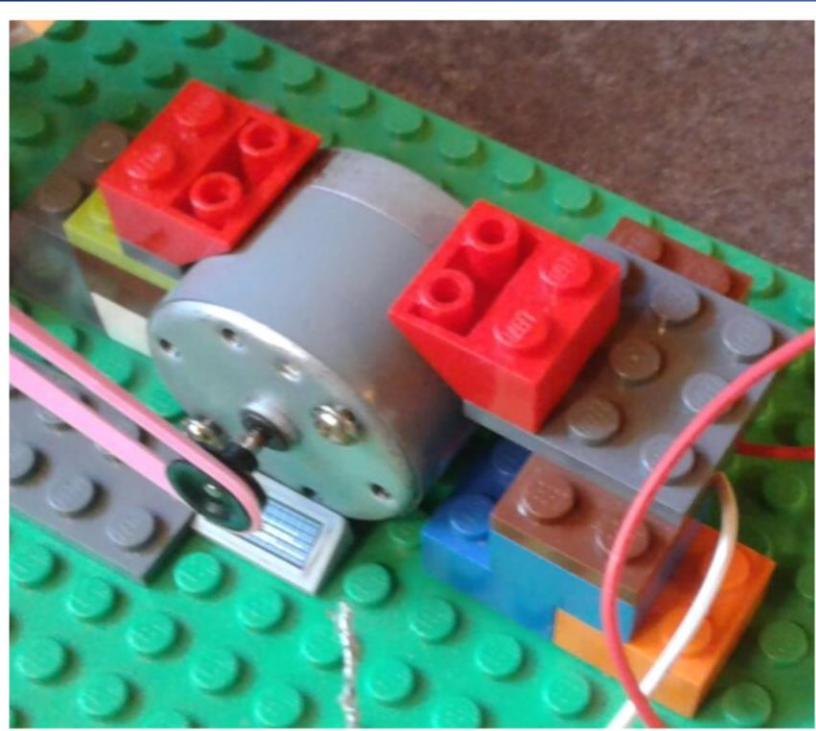
I had to figure out how to use my three electrical components to power the windmill.

- **1 9V battery**
- **1 switchbox**
- **1 small motor**
- **1 elastic band**
- **And a lot of Legos®**

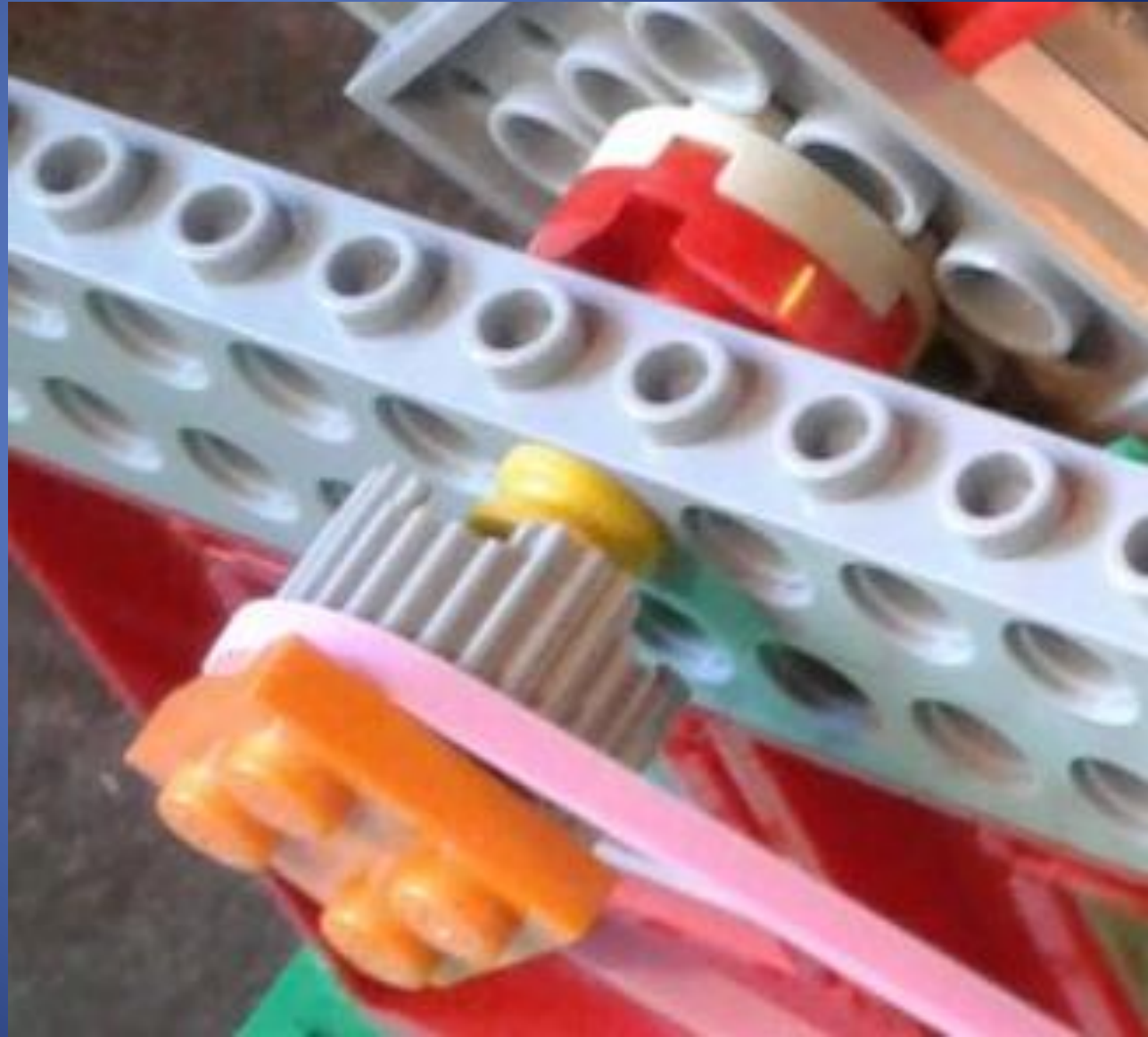
First, I had to make the actual windmill...



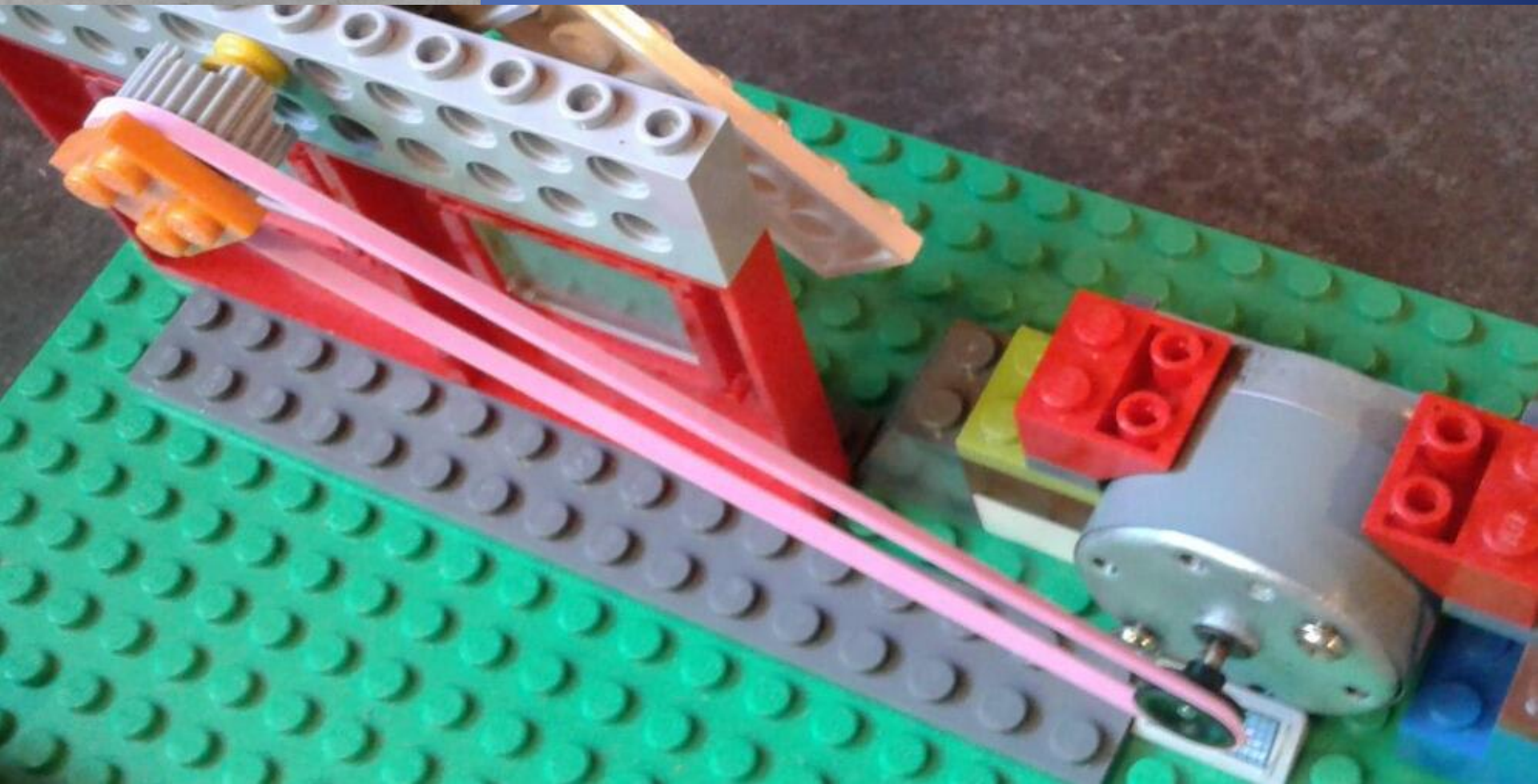
Then I had to make some holders for the other pieces.



I also had to make it so that the blades of the windmill would spin, but were not too loose.



After that I had to hook up the motor to the windmill, so I needed to find a Lego® piece that would grip the rubber band!

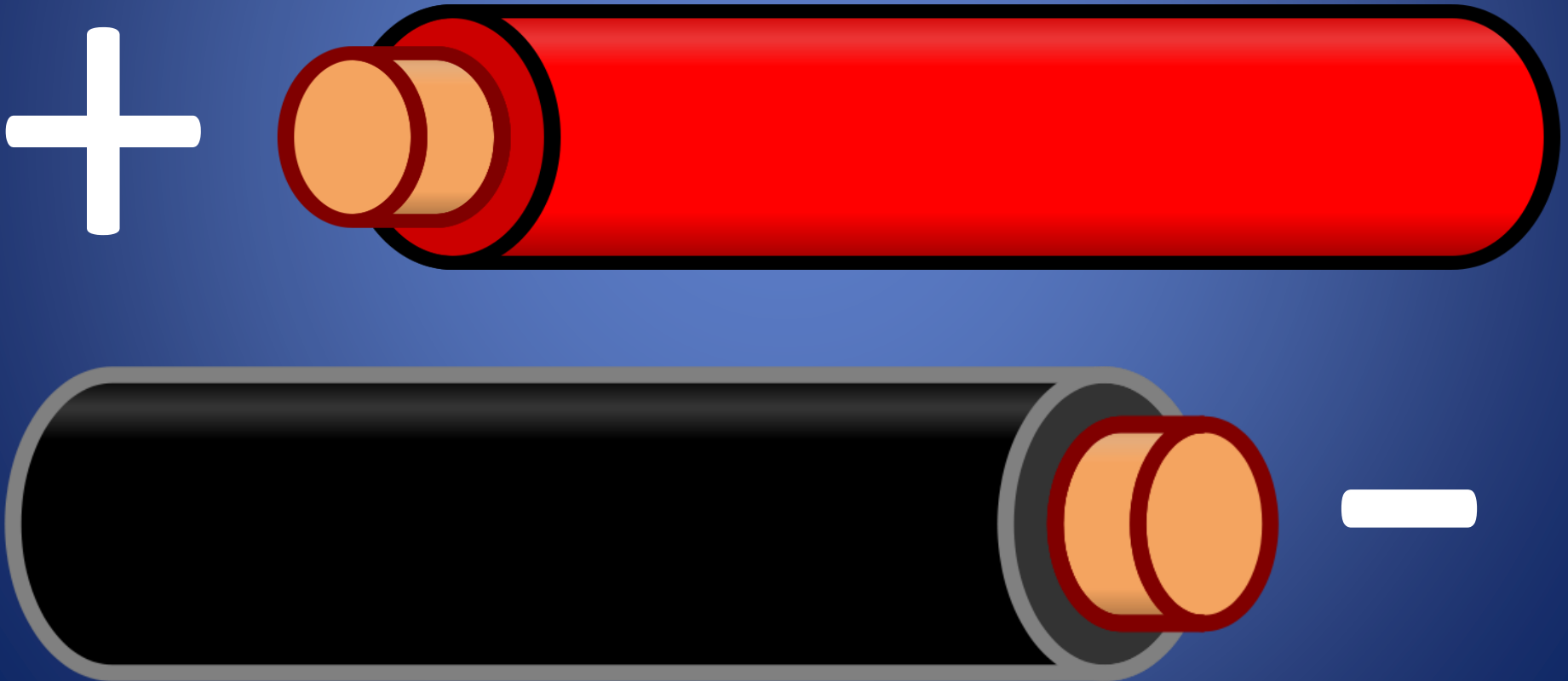


Finally, I needed to finish the wiring.

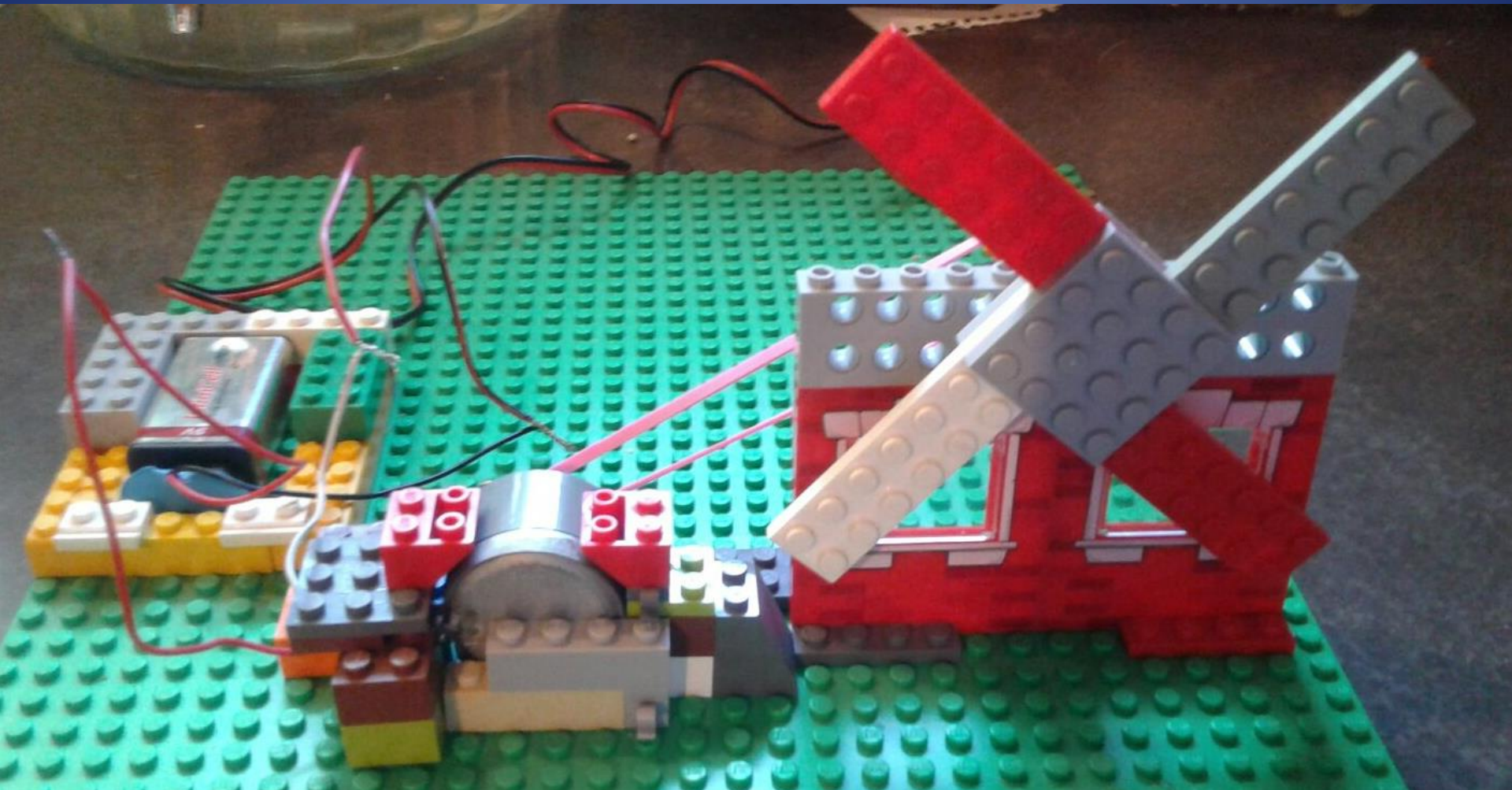
Positive wire from the motor connects to the positive wire of the battery

Positive wire from the switch connects to the Negative wire of the battery

Negative wire from the motor connects to the Negative wire of the switch



In the end, it looked like
this.....and it worked!



(Don't forget to add some covers to keep the wires from short circuiting)

