

# Quick Release Drill

By Emily Vincent

## Problem

My hand is tired from all that turning!

How do I get the bit out? Rotate the chuck to which left? From the front or the back of the drill?

How do I get the bit in? Rotate the chuck to which right? From the front or the back of the drill?



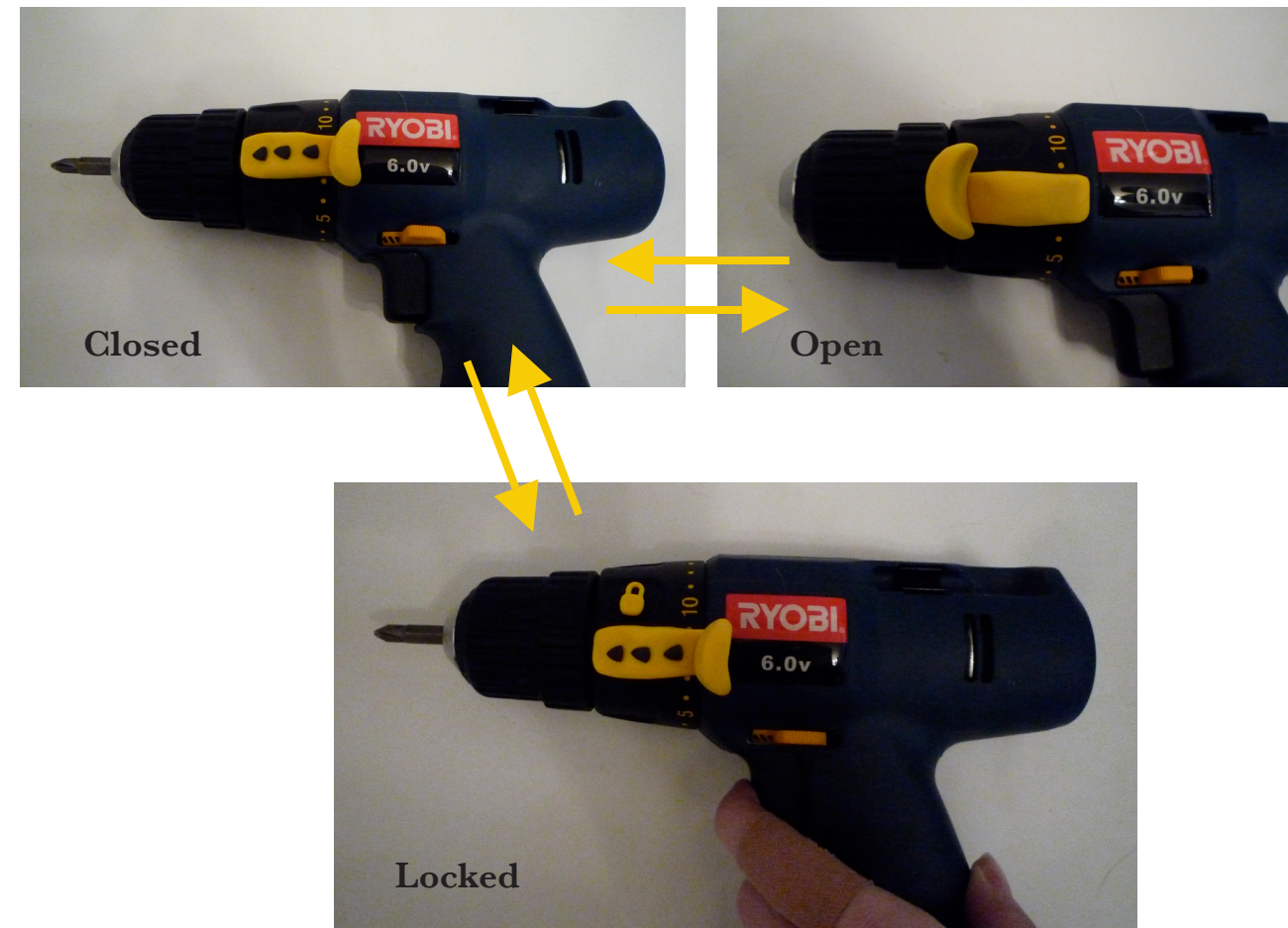
If the old bit is smaller than the new bit, I have to open it more and then close it.

## Solution

Use a thumb trigger to eject your bit!

Sensor in the drill that detects when a bit is inserted. The drill prongs close automatically over the bit and the thumb trigger pops into the closed position.

Pushing the thumb trigger opens all drill prongs completely and the bit just pops out.



While in use, the thumb trigger is locked down internally and the bit cannot be released. An LED indicator in the shape of a lock shows this.