

Magnetic Coat Rack



A magnetic idea was worth some thought.



What I tried to do was to have the magnets near the top, so it could be removed easily by pulling from the bottom. After much trial and error, I discovered the magnets need to be perfectly flush and slightly raised 1/32" above the surface.

This is a pic of the back, finished.



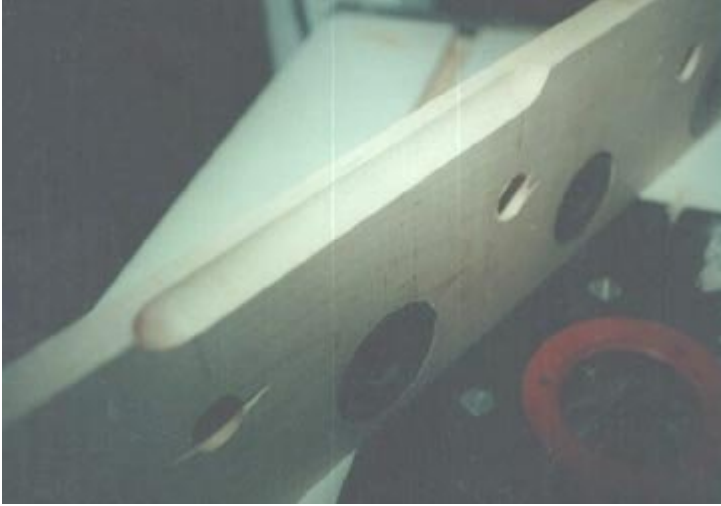
The magnets are 1/2" thick and 2 1/4" dia. I drilled their holes with a forstner bit and epoxied them in. Shims were needed under some of the magnets. The straight-edge was needed to check the magnets for flushness.



1" holes were drilled for the
pegs.



The 1" dowels can be
rounded by hand with files
and sandpaper. I used a 1/2"
roundover bit with a ball
bearing.



I chucked a 1/2" cove bit in the router table, and plowed a 10" finger pull into the back of the rack. This really wasn't necessary, since you can pull up on the pegs and the rack easily releases from the metal door. A small rubber bumper in each of the lower corners keeps the coatrack from sliding down the door. I used the self sticking pads that come with those self closing hinges.



I finished the back with a clear spray finish. Coat the magnets heavily so they don't scratch your door. The front side I finished with a satin poly.



A perfect height for the 2 and 3 year olds!