

Assembly Instructions

Materials

6 - $\frac{3}{4}$ " # 6 screws

1 - 3 $\frac{1}{2}$ " X $\frac{1}{4}$ " bolt with 2 flat washers and one wing nut

1 - $\frac{1}{8}$ " welding rod about 4 $\frac{1}{2}$ " long or about 3" for right angle bend

1 - mousetrap

1 - $\frac{1}{4}$ " wood dowel about 2" long

Pin

The pin is made from $\frac{1}{8}$ " welding rod; it can be bent at a right angle or into a circular shape. Bend and then cut to a length.

Taper one end of the pin on the grinder so it fits into the hole easily.

Mousetrap

Remove the trigger mechanism from the mousetrap.

Drill a 1 $\frac{1}{2}$ " hole at the end of the mousetrap.

Clamp two mousetraps end to end in a drill press vice and drill the hole in both.

The mousetrap is installed so that it acts as a stop to position the ping pong ball so it can be struck by the mousetrap arm.

Use the drum sander to make the hole slightly larger so the ping pong ball fits through the required amount.

Screw mousetrap to swivel carriage with 2 - $\frac{3}{4}$ " # 6 screws

Trigger Assembly

The trigger is attached with a piece of $\frac{1}{4}$ " wood dowel about 2" long.

Sand the ends after assembly so it looks good.

Brackets

The bracket is attached to the base with two $\frac{3}{4}$ " #6 screws.

Swivel Carriage

The swivel carriage is attached between both brackets with a 3 $\frac{1}{2}$ " X $\frac{1}{4}$ " bolt, two washers and a nut

Pipe

Use the drum sander to sand the hole in the swivel carriage so the pipe fits snugly.

Use a small drop of white glue to hold the pipe in place.