

How to construct a pyramid shaped bird cage.

Materials required:

Three 5'x5'x1/2" sheets of plywood

Six 1" wood screws

One 1/2 "Loop screws (screws with loops for heads)

Fifteen Wire clothe hangers

Two small hinges

Tools required:

Saws-all w/ a wood cutting blade

Drill motor w/ various size drill bits

Pliers

Speed square

Pencil

Tape measure

Straight edge

How to build:

First, on the plywood, draw 4 triangles with 2' sides using the pencil, tape measure and straight edge. Next, draw smaller triangles on the inside of 3 of the triangles 1" smaller than the outer ones. Using the saws-all cut out the large triangles. Once all 4 are cut out, cut the smaller ones out. What remains is the frame for the cage. After that, use the 45 degree angle on the speed square to mark lines to cut the bases of the frames. Make sure to mark on all corners of the frames so that you can cut a straight line. Once all of the bases are angled, find a drill bit that is the same thickness as the clothe hangers. Next use the drill motor to drill holes in the 3 frame pieces from the bottom of the base to the top of the side above it and space each hole an inch apart. After that cut the clothe hangers accordingly so that they go through each hole and have at least 1/2" above the hole on both sides. Once you have cut each piece of clothe hanger place them in every hole and use the pliers to bend them over, creating the cage. Next place the frame pieces on top of the base and using a phillips head drill bit in the drill motor, screw two of the sides to the base by drilling through the bottom of the sides through the base on both sides of each frame piece. Then screw the edges of the two frame pieces together. Once two of the frame pieces are stationary use the hinges and screw the third frame piece to the base. Once the frame piece moves smoothly, use the pliers to screw the loop screw into the top of it so that the hole is

horizontal to the ground. Finally take a piece of clothe hanger and make a small loop through the loop screw and then bend it so it makes a triangle around the top of the pyramid, this is the latch. You now have a bird cage.