

Cake Pan Concentrator

Make your own Concentrator from an Angel Food Cake Pan

This is a pretty simple project that just about anyone could make in a short time. Not much is needed as far as materials and tools. Included at the end is instructions for use.

Materials:

1 used Angel Food Cake Pan (usually about \$ 0.99 at goodwill)

1 4 x ½ inch pvc nipple (about 1 buck)

Epoxy or JB Weld or something similar

Tools:

Tin Snips

Measuring Tape (for those who want to be exact)



1. Cut the center cone of the Cake Pan down to about 1.5 inches from the bottom of the pan (fig 1, arrow 1)

2. On the side of the pan at about the same level as the new top of the center cone, cut an oval lengthwise in the side of the pan large enough so the 4 inch nipple will go through it as shown. (Fig 1, arrow 2)



3. Epoxy the nipple in place making sure it is sealed and no epoxy gets on the outside threads. (do this in a area with plenty of ventilation) See Figure 2, arrow 3, Figure 1, arrow 2)

4. Let the Epoxy set until dry and Viola! You have a new Concentrator.

Instructions for Use

1. Attach a pump or hose with a Flow control to adjust the water flow and level
2. The Flow should be adjusted so that the water is going out of the center cone only. Start with a slow flow and work up until it starts moving the Black Sand material when it is put in the bowl.
3. Put the bowl into a Larger Pan or tub with a spacer under it allowing room for the water and tailings to exit
4. Screen your material down and as clean as possible. Spoon it in using a table spoon one spoon at a time. Watch for the material to move toward the center cone. The sand should wash out leaving the gold around the base of the cone.

Have Fun and Good Luck!