

Build Your Own Tub Planter

We've received many compliments on the cedar planters that accent the entrance to the Georgeson Botanical Garden. These planters are easy to construct using the following plans. The planters can be made of either cedar or redwood depending on your preference. This instruction sheet includes directions for a tub or stave planter. Instructions for construction for two block planters are also available.



Plans are included for a 17½" inside diameter planter made of 1" x 4" staves.

1. Build a base by fastening two pieces of 1" x 10" to 2" x 2" supports set at right angles to the one inch planks. Leave enough space between the boards to allow for drainage. Cut the base to an 18" diameter using a coping saw or a power saber saw. Drill several ½" drainage holes and staple or tack rustproof screening over the drainage holes and the gap between the boards.

2. To cut staves set the saw blade for a 9° cut and the fence for a 3" width. Then cut four pieces 18" long for leg staves and

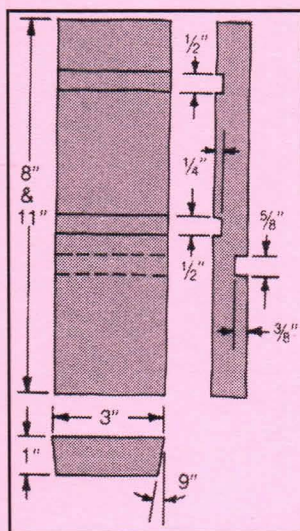


Figure 1. Shows face and edge views of staves.

sixteen pieces 15" long for the short staves (length of the staves can be modified to suit individual preferences).

3. Set up a dado head to make two ½" wide by ½" deep cuts in each stave to hold banding. These dados should be on the outside (wider) face of the staves 1½" and 13" from the top. See Figure 1.

4. Reset the dado head to make a ½" wide (½" wide for ½" plywood base) by ¾" deep cut to hold the base. Make this cut on the inside (narrower) faces of all staves 13½" from the top. See Figure 2.

5. Here comes the fun part (Figure 3). As much assistance as you can get during this step would be helpful. Temporarily staple together four sections each containing four short and one long stave. Band sections together around the base with string, masking tape or strap clamps making sure not to

cover the band grooves. Permanent bands can be fashioned by any of the following methods:

- Tack flat metal or plastic banding to one stave, pull it tight around the other staves overlapping the starting point and tack in place.
- Wrap galvanized wire or metal clothesline around the barrel two or three times and tack both ends in place
- Cut plastic or cotton clothesline into two 12' pieces. Fold each piece in half and twist to form a loop at the folded end. Wrap the line around the groove, pass the ends through the loop, bend them back, pull them as tight as possible and staple them in place.

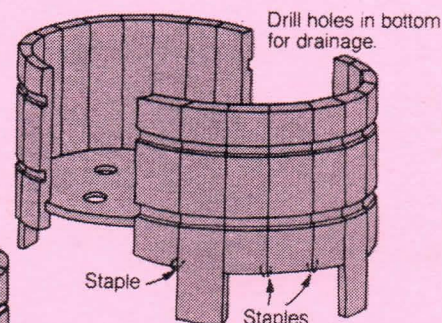


Figure 2 (above) shows how to put the base and side staves together. Figure 3. (left) shows attaching the permanent bands to hold the tub together.

Table 1. Materials list

Base:

two pieces 1" x 10" x 18" plus two pieces 2" x 2" x 14" or ½" exterior grade plywood 18" dia.

Sides:

sixteen pieces 1" x 4" x 15" for short staves
eight pieces 1" x 4" x 18" for long staves

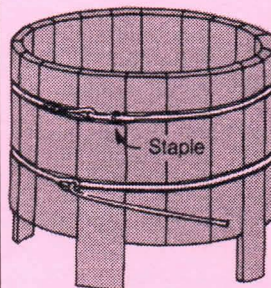
Hardware:

galvanized staples
tacks

rustproof screening

banding material:

12' flat plastic or metal strapping
or 32' galvanized wire or metal clothesline
or 24' plastic or cotton clothesline.



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