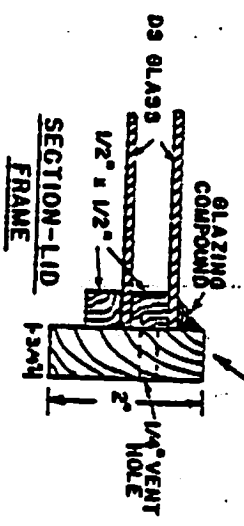


NOTES

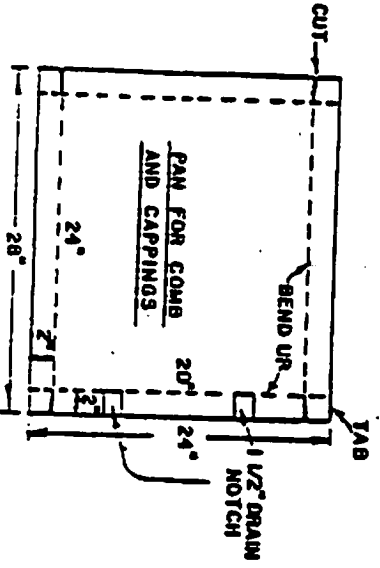
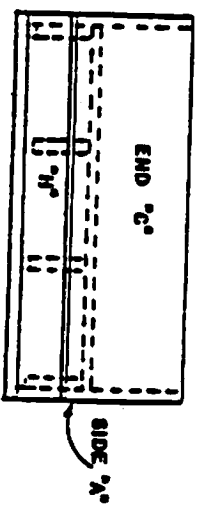
1. PAINT INSIDE WHITE.
2. PAINT OUTSIDE BLACK.
3. SEAL ALL CRACKS.
4. PLACE IN PROTECTED PLACE ON SOUTH SIDE OF A BUILDING.
5. REMOVE WAX AND HONEY WHEN MOST COMBS ARE MELTED. THE HONEY SHOULD BE DISCARDED.
6. SEE REVERSE SIDE FOR BILL OF MATERIALS.

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END VIEW OF LID



END VIEW OF BOX



CUTTING DIAGRAMS FOR 24 GA. GALVANIZED STEEL PANS.

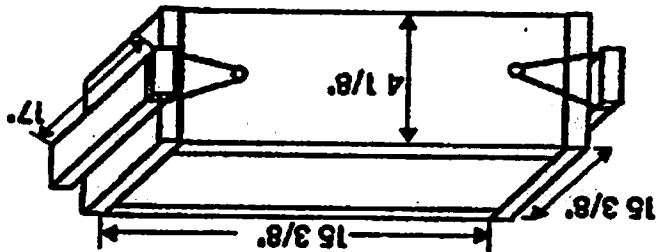
CUTTING DIAGRAM

Figure 1.

Bill of materials for the Solar Beeswax Extractor

- Parts "A" through "G", also "J" - 1"x12"Pine
- Catch Pan-1 pc. 10" x 27" 24 ga. galvanized steel
- Comb support-1 pc. 20" x 26" 1/2" galv. mesh
- Hardware-small nails 1" long, 6d nails, 2 doz. 2" #8 flat head wood screws
- Paint-small can black enamel, small can white Glazing-small can glazing compound
- Comb pan-1 pc. 24" x 28" 24 ga. galvanized steel
- Glass (double)-2 pc. 24" x 32" double strength window glass
- Lid glass (bottom) 1/2" exterior plywood 24" x 36"
- Pan platform-1 pc. 1/2" insulation board 2' x 2'
- Glass-holding strips 1/2" x 1/2" pine scrap

Frame Nailing Jig



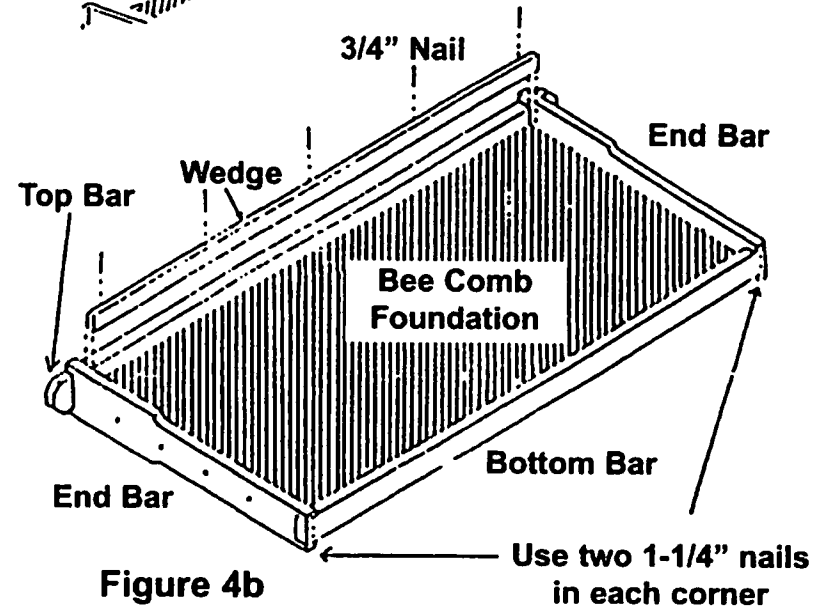
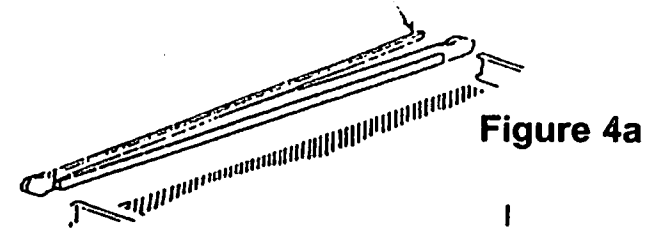
Directions: Using 3/4" lumber (nominal "one-by" stock), cut four pieces of wood 4 1/8" x 15 3/8" and assemble into a box as shown using nails or screws. The overall length should be 16 7/8". If you use stock of a different thickness, adjust the length of the sides to make the overall length 16 7/8". Cut two pieces approximately 1 3/4" x 3/4" (so-called "1x2") about 17" long—the exact length is not critical. On one side of each of these strips, glue a scrap of carpet big enough to cover the whole side. Add a nail or cup hook to each end of each long side of the box (four nails total) and fasten a large rubber band to each. Use the rubber bands to pull the carpet-covered strips tight against each end of the box with the carpet against the end of the box.

To Use Jig: Place ten end bars of frames for shallow, medium, or deep supports flat against each end of the box, using the carpet on the strips to hold them in place. All end bars should be the same size and have the same end pointing up, preferably the small end. Lay the bottom bars across the end bars, first adding glue if you wish. The jig will hold the end bars in place while you nail on the bottom bars, then turn the whole assembly over and nail on the top bars. To make the work go even faster, try using an electric Brad nailer instead of a hammer. Remove the rubber bands and carpeted strips, and you can slide ten more, square frames off the side of the jig.

FRAME AND FOUNDATION ASSEMBLY

- 2 – End Bar 3/8" x 1-3/8" x 9-1/8"
- 1 – Top Bar 3/4" x 1-1/16" x 19"
- 1 – Bottom Bar 3/8" x 11/16" x 17-11/16"
- 1 – Bee Comb Foundation 8-1/2" x 16-3/4"
- 5 – 3/4" Nails
- 8 – 1-1/4" Nails

1. Assemble Frame & Foundation using two 1-1/4" nails in each corner.
 2. Separate pre-cut Wedge from Top Bar using Hive Tool. (See figure 4a)
 3. Insert Bee Comb Foundation into slot in Bottom Bar.
 4. Using Wedge secure Bee Comb Foundation to Top Bar.
 5. Secure Wedge using five 3/4" Nails.
- (See figure 4b for assembling Frame & Foundation)*



HIVE BODY

- 2 – Sides $3/4''$ x $9-5/8''$ x $19-7/8''$
- 2 – Ends $3/4''$ x $9-5/8''$ x $16-1/4''$
- 2 – Metal Frame Rests $14-5/8''$
- 4 – $1-1/2''$ Nails
- 40 – $2-1/4''$ Nails
- 10 – $3/4''$ Nails

1. Assemble Hive Body by interlocking cutouts together.
2. Use one $1-1/2''$ nail on top predrilled hole of each corner.
3. Use $2-1/4''$ nail in remaining predrilled corner holes.
4. Attach Metal Frame Rests on top inside frame edge on both ends using five $3/4''$ nails

(See figure 3 for assembling Hive Body)

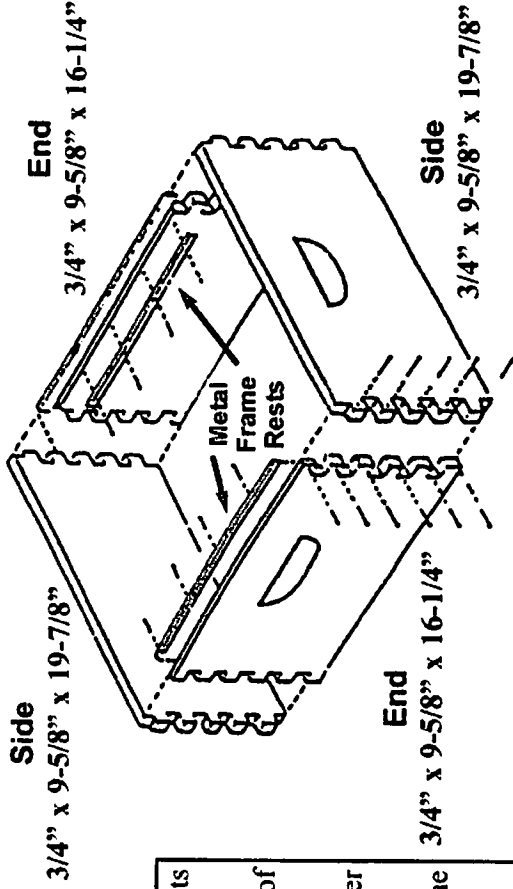


Figure 3