

# Assembly Instructions



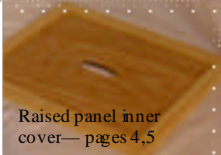
Economy Nuc—  
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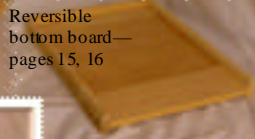
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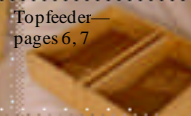
Economy Nuc—bottom  
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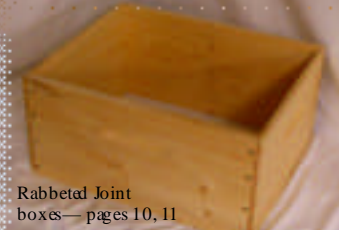
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**BEELINE**  
APIARIES & WOODENWARE

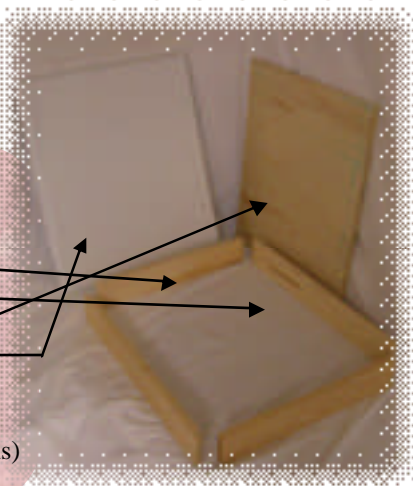
5765 Main Road  
Bedford PA 15522  
(814) 585-4699  
beeline@abcmailbox.net

Questions or comments? Call or email us!

# Lid—Telescoping

## Things You Will Need

- ★ End skirt— 2 (17 3/8" x 3")
- ★ Side skirt— 2 (21 3/4" x 3")
- ★ Plywood Panel— 1 (21 5/8" x 18")
- ★ Aluminum Cover— 1
- ★ Hammer
- ★ Square
- ★ Nails (specified throughout instructions)



STEP 1: Stand both end skirts on end and bridge with a side skirt. Nail each corner using 2 6d sinkers.



STEP 4: Now turn it on end and nail the other directions, with 2 6d sinkers.



STEP 6: Nail each side corner (with ears) first. Then fill in between with aluminum trim nails— five along side and three along end.



STEP 7: Paint exterior with two coats of good paint.



STEP 2: Use a square to make sure your lid is square.



STEP 3: Center plywood on lid skirt, with the worst side up. Expect 1/16" to 1/8" setback. Nail fast with 6 nail along side and 5 along end.



STEP 5: Lay white aluminum cover on top of lid.



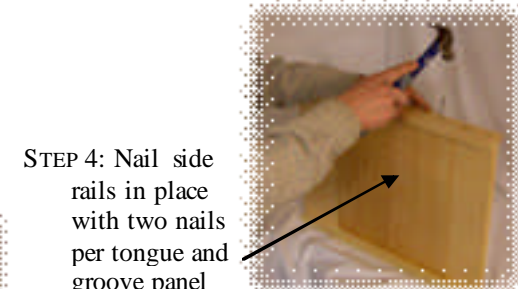
STEP 3: Drive tongue and groove panel and side rails to one end. Expect a difference in length. The even end will be the back of the bottom board



STEP 6: Nail approx. four 1 1/2" drywall nails along each strip.



STEP 6: Paint exterior with two coats of good paint.



STEP 4: Nail side rails in place with two nails per tongue and groove panel (a total of 8 nails per side.)

STEP 5: Place both closure strips in place— the 3/4" strip on one side (side with more space) and the 3/8" strip on the other side. (side with less space)



# Bottom Board — Reversible

## Things You Will Need

- ★ Tongue and Groove Panel— (21 1/2" x 15 1/4")
- ★ Closure Strip—
  - 1 (3/4" x 3/4" x 14 3/4")
  - 1 (3/4" x 3/8" x 14 3/4")
- ★ Side Rail— 2 (21 1/2" x 1 13/16")
- ★ Rubber Mallet
- ★ Hammer
- ★ Nails (specified throughout instructions)



STEP 1: Drive tongue and groove panels together with mallet.

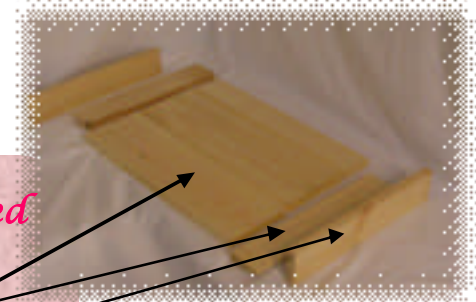


STEP 2: Drive side rails onto tongue and groove panels with a mallet.

# Lid — Migratory

## Things You Will Need

- ★ Top Panel— 1 (21 5/8" x 15 1/4")
- ★ Top Cleats— 2 (16 1/4" x 3")
- ★ End Cleats— 2 (16 1/4" x 3")
- ★ Rubber Mallet
- ★ Hammer
- ★ Square
- ★ Nails (Specified throughout instructions)



STEP 1: Drive tongue and groove panel together with mallet.



STEP 2: Drive end rail onto tongue and groove panel.



STEP 3: Nail end to tongue and groove panel with 6d sinkers.— 2 nails per panel



STEP 4: Lay top cleat on.

STEP 5: Nail top cleat on, using 1 1/2" drywall nails.— 6 nails



STEP 6: Nail outer edge also, using 6d nails— 5 nails.



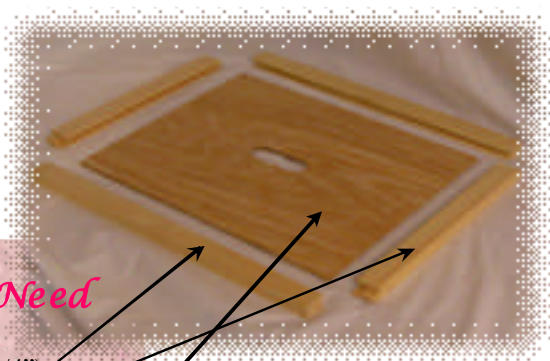
STEP 7: Paint exterior with two coats of good paint.



# Inner Cover— Raised Panel

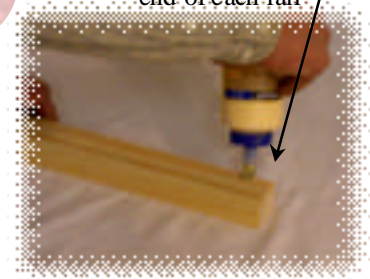
## Things You Will Need

- ★Side rail— 2 (19 7/8" x 1 1/4")
- ★End rail— 2 (14 3/4" x 1 1/4")
- ★Plywood Panel— 1(18 1/2" x 14 5/8")
- ★Wood Glue
- ★Mallet
- ★Hammer
- ★Nails (3/4" headed wire)



STEP 1: Lay side rail side by side and squeeze a dot of glue at each end of each rail.

STEP 2: Insert end rails into one of the side rails.



STEP 3: Slide plywood panel into ends and side rails.

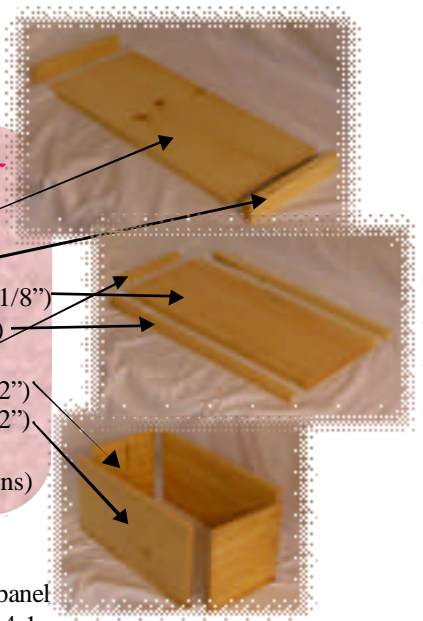
STEP 4: Wedge other side rail on top.



# Economy Nuc

## Things You Will Need

- ★Lid Panel— 1 (21 5/8" x 9 1/8")
- ★End Cleats— 2 (9 1/8" x 1 1/2")
- ★Bottom Board Panel— 1 (21 5/8" x 9 1/8")
- ★Side Strips— 2 (3/4" x 3/4" x 21 5/8")
- ★End strip— 1 (3/4" x 3/4" x 7 5/8")
- ★Nuc Box End Panel— 2 (9 1/8" x 9 1/2")
- ★Nuc Box Side Panel— (19 1/8" x 9 1/2")
- ★Hammer
- ★Nails— (Specified throughout directions)



## Lid



STEP 1: Nail through lid panel into end cleats using 4 1 1/2" drywall nails

STEP 2: Stand lid on end and nail other direction using 3 6d sinkers.

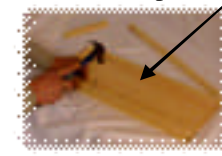


STEP 3: Paint exterior with two coats of good paint.



## Bottom Board

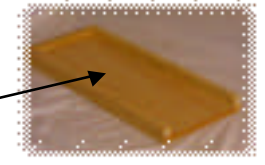
STEP 1: Nail one side strip on with 4 nails.



STEP 2: Nail end strip in place with 3 nails. Then nail other side strip on.



STEP 3: Paint exterior with two coats of good paint.



## Nuc Box

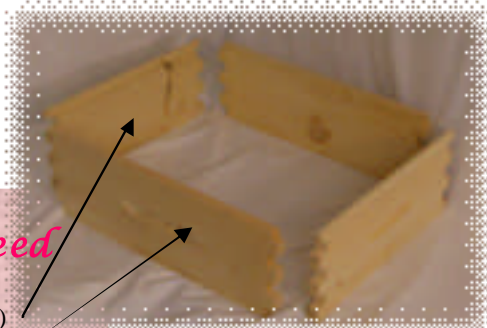


STEP 1: Assemble nuc box using Rabbeted Joint Box instructions. Paint exterior with two coats of good paint.

# Finger Joint Boxes — Deep, Medium, and Shallow

## Things You Will Need

- ★ End panels— 2 (16 1/4" x 6 5/8")
- ★ Side panels— 2 (19 7/8" x 6 5/8")
- ★ Rubber mallet
- ★ Square
- ★ Hammer
- ★ Nails— 7 (6d sinkers)



STEP 1: Lay one end panel on flat surface. Then drive side panels down into end panel using a rubber mallet.



STEP 2: Lay other end panel down and turn box upside down on top of it. Drive sides into end. Re-drive all corners till its perfectly together. It will be a tight fit. This is on purpose and makes it very rot resistant.



STEP 3: Use your square to check whether the box is square.



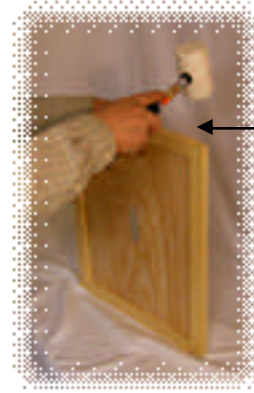
STEP 4: Turn on side and nail with one 6d sinker in each finger



STEP 5: Stand on end and nail with one 6d sinker in each finger.



STEP 6: Paint exterior with two coats of good paint.



STEP 5: Using your mallet, hammer all four corners to make sure they are even with each other.



STEP 6: Use your square to make sure your inner cover is square.



STEP 7: Lay the side of the inner cover with the widest lip up. Nail two nails in each corner— one that goes through the tenon on the end rail, and the other that goes through the plywood panel.



Finished and ready for the bee yard.

# Top Feeder

## Things You Will Need

- ★End Panel— 2 (16 1/4" x 4")
- ★Side Panel— 2 (19 1/8" x 4")
- ★Webs— 2 (15 1/2" x 3 1/2")
- ★Plywood Bottoms— 2 (15 1/2" x 8 3/4")
- ★Hammer
- ★Culk
- ★Nails (Specified throughout instructions)



STEP 1: Stand both side panels on end and bridge with an end panel and nail using 3 6d sinkers.



STEP 2: Turn on side and nail using 2 6d sinkers.



STEP 3: Insert webs in the center of feeder.



STEP 4: Turn upside down and make sure dados in center webs match dados along sides

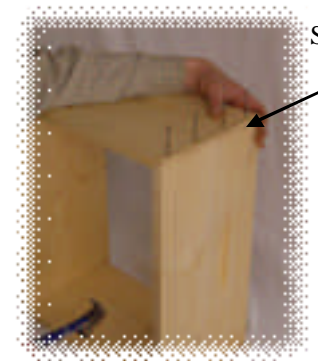


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STEP 3: Flip upside down and lay other end across both sides.



STEP 3: Nail four nails across each end.



STEP 4: Use your square to make sure the box is square.



STEP 5: Nail four nails other direction slanting slightly.



STEP 6: Paint exterior with two coats of good paint.



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# Rabbetted Joint Boxes — Deep, Medium, and Shallow

NOTE— This photo is of a 10-frame deep hive body. Follow the same directions for medium and shallow supers. (10, 8, & 5-frame).

## DIMENSIONS

### Medium

2 sides— (6 5/8" x 19 1/8")  
2 ends— (6 5/8" x 16 1/4")

### Shallow

2 sides— (5 3/4" x 19 1/8")  
2 ends— (5 3/4" x 16 1/4")



## Things You Will Need

- ★ End panels— 2 (16 1/4" x 9 1/2")
- ★ Side Panels— 2 (19 1/8" x 9 1/2")
- ★ Hammer
- ★ Square
- ★ Nails— (6d sinkers)



STEP 1: Stand both side panels up and lay one end panel across the top.

STEP 2: Nail at each end using 6d sinkers— 4 nails.



STEP 5: Nail webs in place using 2 6d sinkers.



STEP 6: Turn feeder upside down and run a bead of caulking around each side.



STEP 7: Lay plywood bottoms on and press into place.



STEP 8: Tack plywood in place with four nails on the ends and three per plywood panel along the sides.



STEP 9: Melt wax on stove using low heat.



STEP 10: Dip a ladle full into one side.



STEP 11: Tilt around till all seams and corners are sealed with wax.



STEP 12: Drain back into kettle. Then do other side the same way.



STEP 13: Paint exterior with two coats of good paint.

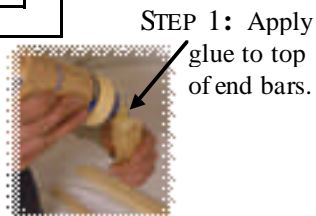
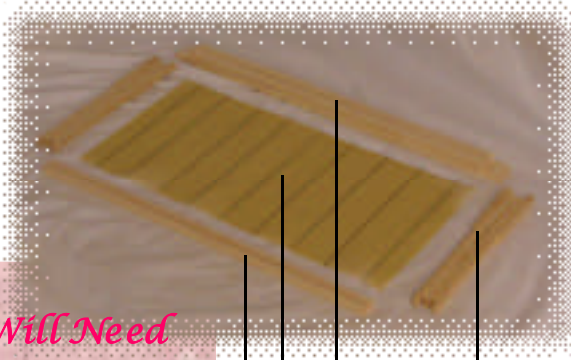


# Frame

Deep,  
Medium  
or Shallow

## Things You Will Need

- ★ Top bar— 1
- ★ End bar— 2
- ★ Bottom Bar— 1
- ★ Foundation— 1 sheet (wax or plastic)
- ★ Wood Glue
- ★ Hammer
- ★ Utility Knife
- ★ Nails— 10 (1" wire headed)
- ★ Pins to secure foundation— 4



STEP 1: Apply glue to top of end bars.



STEP 2: Place top bar upside down and insert end bars.



STEP 4: Insert bottom bar into end bars.



STEP 5: Drive two nails in, at each end of the bottom bar, as shown.



STEP 6: Drive two nails in, at each end of the top bar as shown.

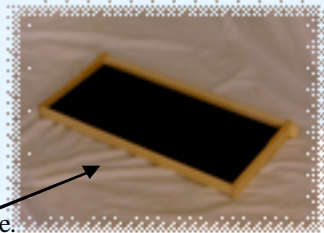


STEP 7: Nail into the non-wedge part of the frame, slanting well into the top bar.

# Pierco Foundation

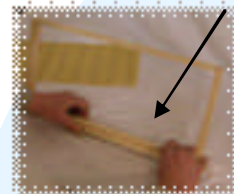


STEP 8: Snap pierco in place.

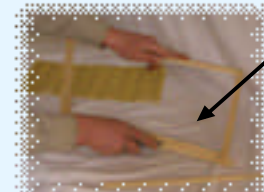


STEP 9: Your frame is ready for the beehive.

# Wax Foundation



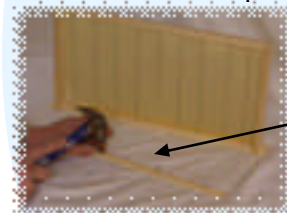
STEP 8: Pop wedge out of top bar.



STEP 9: Use utility knife to cut remainder of wedge out.



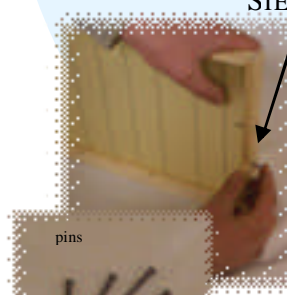
STEP 10: Insert wax foundation with the hooks up on the foundation, and the top bar up of the frame.



STEP 11: Tack 4 or 5 nails into wedge.— (5/8" headed wire nails.)



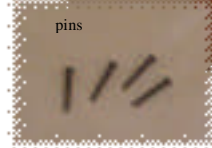
STEP 12: Fasten to wedge.



STEP 13: Pin wax in place. Wiring is also an option, but very time consuming.



STEP 14: Your frame may now be inserted into the bee box.



pins