

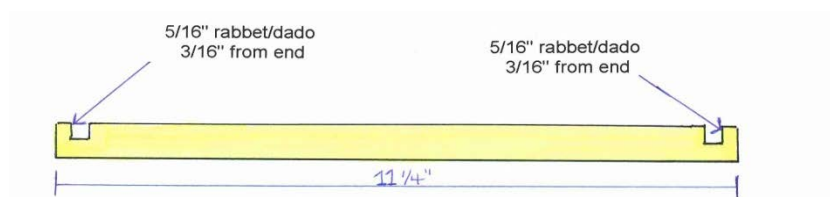
# How To Construct a Centennial Crate

Bill of Materials for “the Crate” (photos below)

- a. lid and bottom:  $\frac{1}{4}$ " birch plywood, cabinet grade, no knots
  - $15\frac{7}{8}$ " deep (with saw kerf, 16") x  $21\frac{3}{4}$ " wide.
  - Need two per crate.
- b. side strips:  $\frac{1}{4}$ " poplar, spruce, or clear pine
  - $22\frac{1}{2}$ " long x  $2\frac{1}{2}$ " wide
  - Need six per crate.
- c. ends: use standard shelving material, nominally 12" wide-spruce/poplar/pine
  - $11\frac{1}{4}$ " high x 16" wide
  - Need two per crate.

Note A

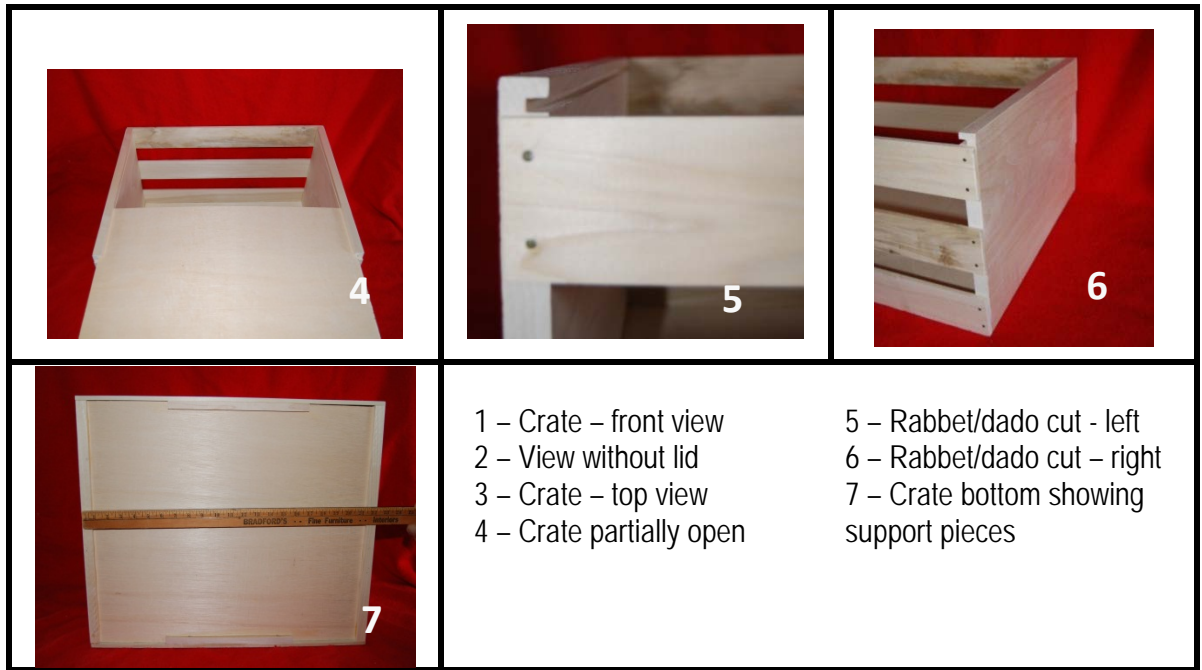
Each end also receives two  $\frac{5}{16}$ " rabbet cuts, one is  $\frac{3}{16}$ " from the top of the piece and one is  $\frac{3}{16}$ " from the bottom. These dado cuts allow the lid to slide in and out at the top and to be glued in for a strong base for the bottom. Sketch, below.



Note B

The side strips go all the way to the top of the end caps for the BACK of the crate, but are positioned below the rabbet cut on the front to allow the lid to slide in. See images 4-6, below.





d. details: lid handle and bottom support strips-  $\frac{1}{4}$ " stock-spruce/poplar/pine

1. 4.5" long x  $\frac{3}{8}$ " wide for lid handle
2. 9.0" long x  $\frac{3}{8}$ " wide for crate bottom supports (need two)

e. assembly:

- 24, #4 box nails, common heads
- Carpenter's Wood Glue.