



Ray Sandusky



Gordon Pembridge - NZ

Box Making

Jim Echter

Presentation to FLWT

March 17, 2011

www.truecreations.biz



Craig Lossing



Dr. Awilda Santiago-Wilson

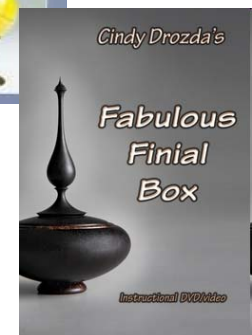
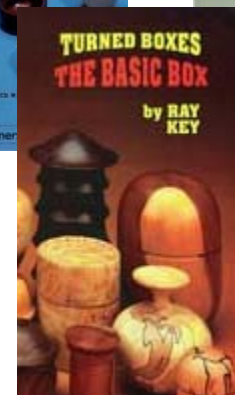
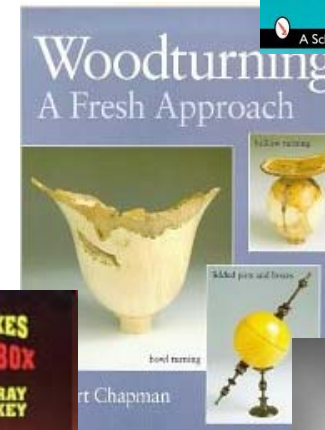
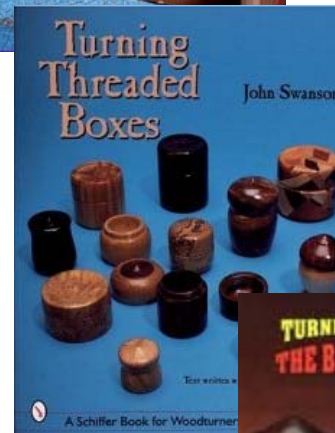
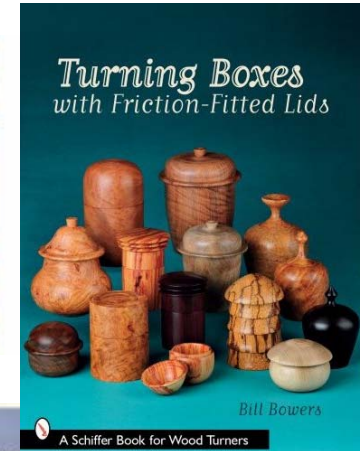
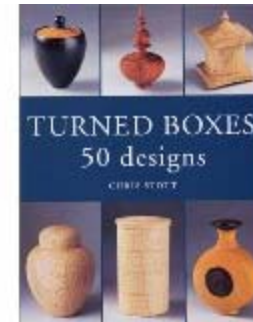
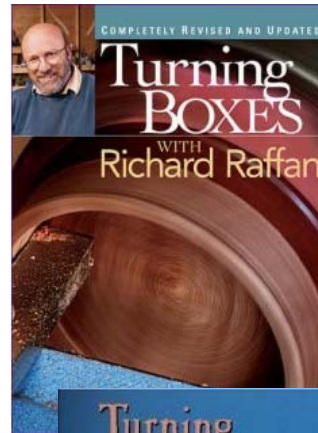
Why Turn Boxes

- Boxes are Not Bowls
- Boxes are Spindles
- Boxes are Creative
- Boxes are Challenging
- Boxes Build Your Woodturning Skills
- Boxes Make Great Gifts
- Boxes Have a Low Cost of Materials



Reference Materials

- Books
 - Richard Raffan
 - Chris Stott
 - Robert Chapman
 - John Swanson
 - Bill Bowers
- Videos
 - Ray Key
 - Cindy Drozda
- Web Searches
 - Google Images



Types of Boxes

- Lidded
- Inset
- Threaded
- Finial



Chris Billman



American Woodcrafters
Supply, Inc.



Travis Stinson



Cindy Drozda



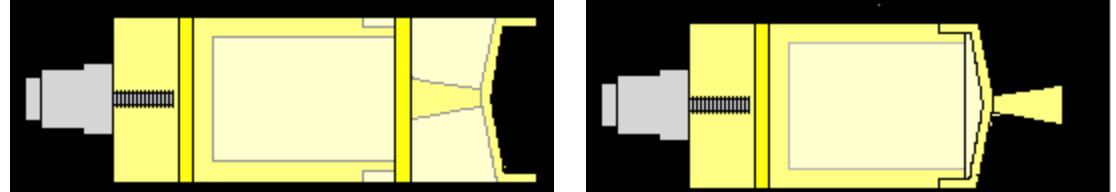
Art Fitzpatrick

Box Fundamentals

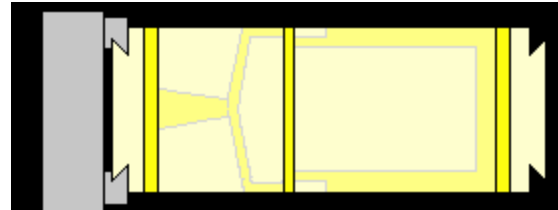
- End Grain (Spindle Turning)
- Hollow from center out
- Wood must be dry
 - For a perfect lid fit... box must “rest” for several days before final fitting
- Remember Phi – 1.62 to 1 ratio when determining lid to base dimensions

Three Methods of Making a Box

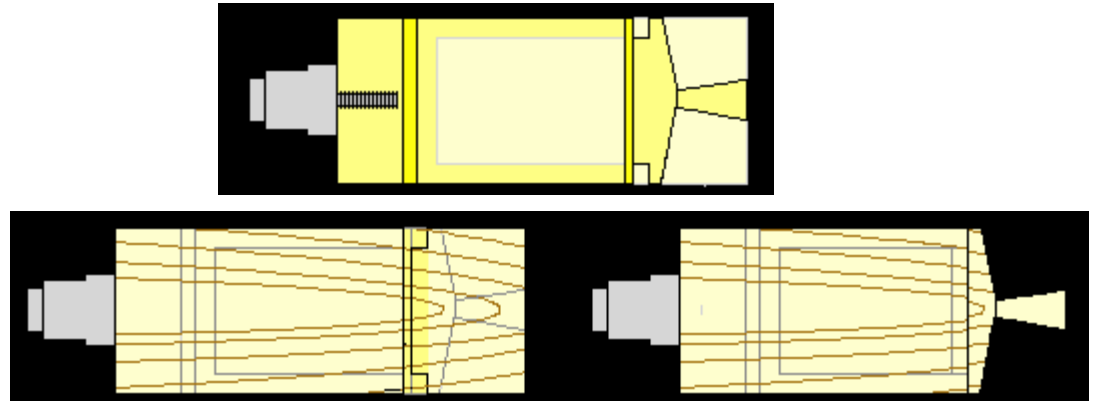
Method One – good for utility boxes where grain alignment is not critical. ie: Needle case



Method Two – Provides better grain alignment. Good for decorative boxes.



Method Three – provides better grain alignment. Good for decorative boxes and Inset lid boxes.



Images from:

<http://www.turningtools.co.uk/projects/box/box.html>

© Brian Clifford (August 1999)

Box Decision / Design Process

1. Decorative or Functional Box?
2. Type of lid fit
 - Loose
 - Tight
 - Piston
 - Snap
 - Screw
3. Grain Alignment or Not
4. Joint – hide it or feature it
5. Single or Multiple Woods
6. What Type of Finish
 - None, Oil, Wax or Hard Surface (ie: Turners Shellac)

Tools

- Skews, Gouges and Scrapers
- Mechanical 4-Jaw Chucks
- Embellishment Tools
- Calipers & Rulers
- Drill Chuck & Bits
- Depth Gage
- Good Lighting
- Dust Collection
- Finishes – wax, oil, and surface

Introducing

The Decorating Leprechaun



Let's Make Some
Chips

The Decorating Leprechaun

- Based on the new Henry Taylor “Decorating Elf” Designed by William Hunter
- Dremel Bits
 - #114 5/16” Round
 - #115 5/16” Straight (optional)
 - #144 5/16” Bud (optional)
- 1/8” x 5/16” ball bearing from hobby shop (1 or 2)
- 5/32” Brass Tubing for spacer
- 1/2” Diameter X 5” long Brass Shaft
- 5/16” Center Drill and 5/32” Twist Drill Bits
- Natural Bristle Paint Brush
- Medium CA Glue
- Pride in making it yourself and saving \$50
 - PRICELESS

