

This book was created to answer the question, "What do I do first?" These are usually the first words spoken by a segmented turner when he starts his first project. It starts with the basics of



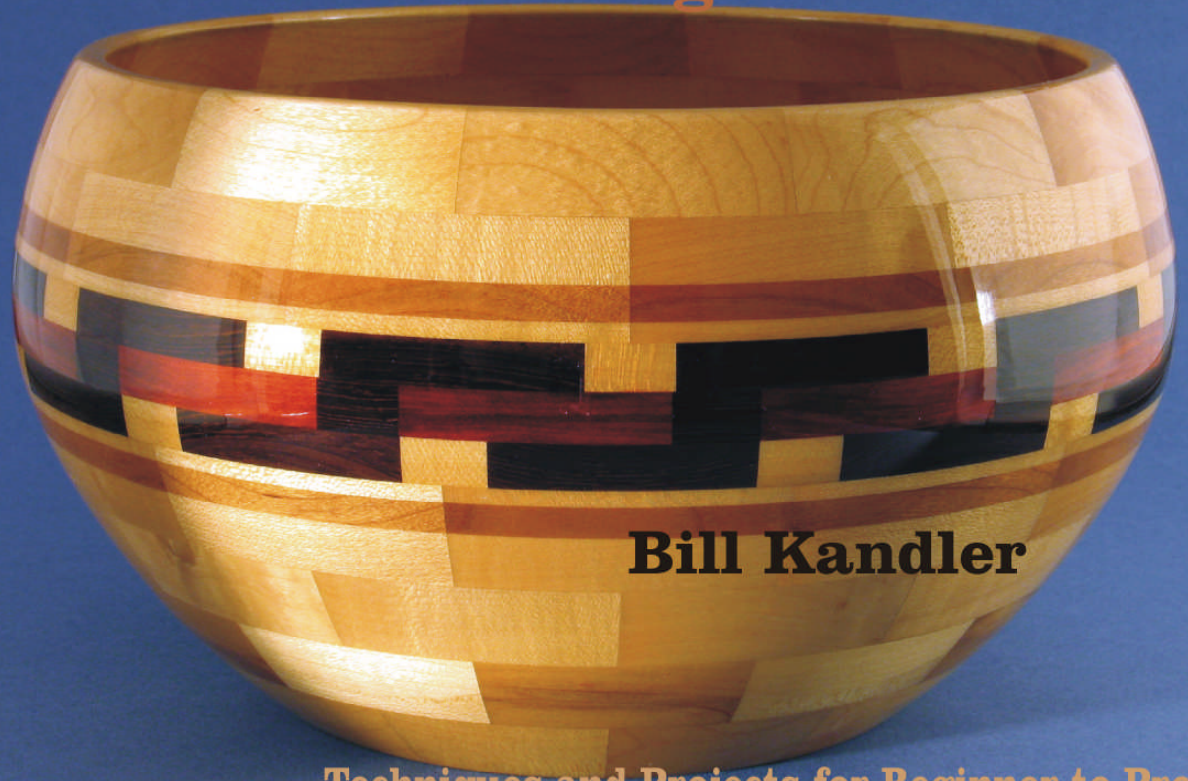
good design and then adds to that, discussions of design elements and the steps needed to make a segmented object. The steps include, cutting segments, gluing and flattening rings, mounting and turning on the lathe, sanding, and finishing the piece.

Also covered are photographing and documenting projects, a sample project, several sample project plans, and plans for building an accurate miter sled.



Segmented Turning

...A good start



Bill Kandler

Techniques and Projects for Beginner to Pro

CONTENTS

1. **What is Segmented Turning?** – A short, motivational discussion of how a segmented object differs from a normal lathe turning and a sampling of things that can be constructed from segmented rings.
2. **The Tools of the Art/Trade** – Tools used for making segmented projects. Includes information on the use of chisels, routers, lathes, measuring devices, sanders, saws (table, radial arm, chop, and band), and Ring Master™. Safety, as it pertains to each type of tool is also discussed.
3. **Designing a Project** – The principles of design, their applicability to segmented projects, and how the elements of design are used to achieve design goals. Manual, semi-computerized and fully computerized methods are presented. Several ways of adorning a segmented project are shown (bottom designs, grain orientation, segment alignment, spacers & gaps, segment colors, mosaics, inlays, laminates, sandwiches, cookie logs, and the power of joints).
4. **Selecting Your Materials** – Choosing the right pieces of wood to use is spelled out including consistent or irregular coloring and grain orientations.
5. **Preparing Your Materials** – The ripping, re-sawing, surfacing and/or dimensional sanding steps needed to get materials ready for the project are explained. Sandwiched construction is also presented.
6. **Cutting Rings** – How to cut segments using a table saw, band saw, or chop saw.
7. **Gluing Rings** – Three methods of gluing and clamping a segmented ring and how to eliminate gaps in the glue joints.
8. **Flattening Rings** – Seven ways of getting segmented rings flat so they can be stacked up into the project form.
9. **Mounting Your Piece for Turning** – Several different ways of putting a project on the lathe along with the applicability of each method are discussed.

10. **Stacking up the Project** – Two ways of stacking up and gluing a segmented project are described. My way (stack a little, turn a little) and the other way (one big glue-up).
11. **Sanding Your Project** – Getting the most out of sandpaper and sanding the inside and outside of the project.
12. **Finishing** – How to get the most out of lacquer, varnish, shellac, oil, and friction finishes.
13. **Photographing the Result** – Three simple setups you can use to take professional looking pictures of completed projects.
14. **Documenting Your Masterpiece** – Why you should document your projects, the forms documentation may take, what to include in a document, and a sample document.
15. **Project Photo Essay** – This is a step-by-step description of the design and construction of one of my segmented projects. It brings together all the material presented in the previous sections.
16. **Project Plans** – A picture and the cut list for each of 8 segmented projects.
17. **AcuMiter™ Sled Plans** – How to build and set up a miter sled for accurate and repeatable segment cuts.

Ordering Information

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