This Month’s Meeting - Les Hastings
January’s Program:

Drawer construction

With David Fowler and Randy Croley
President’s Corner – David Fowler

Guild Members,

Thanks everyone for a great year, and thanks for giving me the opportunity to serve the Guild. As we move into the New Year I will continue to encourage everyone to make the most of the Guild and to get involved in one of the many aspects of the Guild. From my experience, the more that members participate in the Guild’s activities, programs and workshops the better it becomes for them and for everyone. While we will be in very good hands next year, I know that our new officers would and will welcome any and all help and volunteerism.

Merry Christmas, Happy Holidays and a Happy New Year to all!!!

See everyone in 2006

David F.

Last Month’s Meeting – Mike Hutton

I am shutting down the computer before we jump into the car for Christmas and realized that I forgot to get you meeting minutes for November. Oops! I'd just make the newsletter short and sweet. New officers for 2006, just like was in the last letter for recommendations. No December meeting. Bernley showed how to fit legs and cut mortises on a drill press.

Mike Hutton and Phil Bump gave out the wooden toys at Salvation Army distribution on the 15th, they were the hit of the little ones!

Merry Christmas.

Mike

From the Editor - Ray

Seems like everyone was in a big hurry to leave Wichita and go to somewhere else for Christmas. Personally I think I will stay home and avoid all of those dangerous drivers (everyone but me) and the foul weather (everywhere except Kansas). To fill in the blanks I will include some pictures of the toys that were donated to the Salvation Army and presented, on TV, by Mr. Hutton.
Calculating Springback
Simple formula for determining amount of springback in bent solid wood. April 18, 2004

Question
When bending solid wood around a form, how do you calculate for springback?

Recently, a customer wanted me to make an architectural home theater. The top of the unit would be one big arch. The plan was to sunburst the arch and take a solid wood molding to meet the same arch of the top.

I was going to do it by laminating pieces together, but also need to account for springback when making the calculations. Do you also need to account for springback when making the jig, by overextending the radius so it goes past the points?

Forum Responses
(Solid Wood Machining Forum)
A number of plies of similar wood (n) are glued and clamped to a curved form, which is shaped to give the lamination a deflection of "x." When the clamps are removed, the lamination springs away from the form by an amount "y."

Springback can be predicted with the formula \( y = \frac{x}{n^2} \). The ratio of springback to the original deflection depends only on the number of laminations. The ratio does not depend on the properties or thickness of the wood or the geometry of the curved form. Thus, for two plies, the springback is one quarter of the initial deflection, or one ninth for three plies and one sixteenth for four plies.

Also, Woodcraft and Taunton both sell good books on the subject.

If I interpret your description correctly:

By "n" you mean "number of laminations."

By "y" you mean "amount of springback."

However, what do you mean by the form shape "will give the lamination a deflection of "x"? I would think the springback is the deflected amount.

Sorry, but could you explain this a bit more?

Here's a graphic that should explain it.
OFFICERS

President
Galen Cassidy (316) 722-2277
dbfdesigns@hotmail.com

Vice President
Les Hastings (316) 253-6707
gcassid@swbell.net

Secretary
Mike Hutton (316) 744-3036
ictwoodworker@cox.net

Treasurer
Wendell Parks (316) 684-7508
parksmail@sbcglobal.net

Librarian
Vic Shore (316) 253-7424

Membership Chairman
Guy Waldo (316) 684-1138

Editor: The Knot Hole
Ray Smith
(316) 755-3775
thyme@onemain.com

Sponsor Chairman
Dennis Laird
dalaird@cox.net

Area Guilds and Clubs

South Kansas Wood-turners
Royce Wallace, President
601 Wetmore Drive
Wichita, Kansas 67209-1322
(316) 722-6749
wallburl@att.net

Great Plains Woodcarvers
Wichita Kansas
Sue Clarke, Secretary
222 Hillsdale Drive
Wichita, KS 67230-7115
(316) 218-0761
sjclarke@juno.com

CLASSIFIED ADS

JET Printing and Digital Copies
6410 E. Central
Wichita, Kansas 67206
316-685-2679
www.jet-printing.com

MEMBERSHIP

Contact The Membership Chairman
Guy Waldo (316) 684-1138

The Sunflower Woodworkers’ Guild of Wichita Kansas publishes the Knot Hole newsletter monthly. Deadline for articles and information is the 2nd Monday of each month. Mailing date is the 3rd week of each month. Permission to reprint original material is granted to other woodworking groups, providing proper credit is given. Articles attributed to publications other than the Knot Hole Newsletter should be used only with permission from that particular publication. Send articles, photos and information to Ray Smith 9801 N. Meridian, Wichita, KS. 67147. Phone 7553775, email: mailto:thyme@onemain.com

Suppliers of Jet, Delta, Porter Cable power tools, plus a large variety of power and hand tools,
NEXT MEETING
January 23, 2006
Wichita Table Tennis Center
1407 E. Harry
Wichita, KS 6721

The Knot Hole
Sunflower Woodworker’s Guild
9801 N. Meridian
Valley Center, KS 67147