SUNFLOWER WOODWORKERS' GUILD
Established 1991
THE KNOT HOLE
"building of woodworking skills thru the sharing of knowledge"

THIS MONTH'S MEETING JAN 23 AT THE TABLE TENNIS CLUB 1407 E HARRY

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This Month's Meeting - *Les Hastings*
January's Program:

Drawer construction

With David Fowler and Randy Croley

This program will cover both hand-cut dovetails and machine cut dovetails for the drawers. David will be demonstrating cutting dovetails using a handsaw and a chisel while Randy will be using the Porter Cable Omni jig for the machine-cut dovetails.

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.

HORNET

This is included as promised in the November Meeting - *Ray*

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, bu PLAN VIEW THE GUILD SIDE BOARD PROJECT lculating springback. Do you also need to account for springback when making th ius 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 = x/n2. 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:

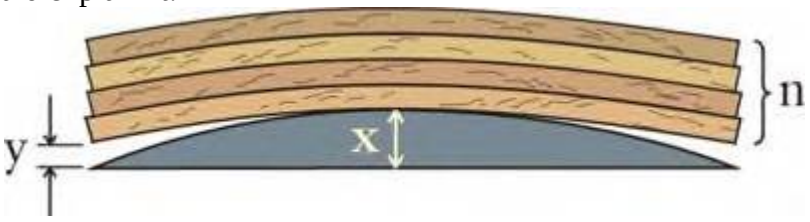
By "n" you mean "number of laminations."

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.



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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

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NEXT MEETING
January 23, 2006
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