



PLANE NEWS

Volume 10, Issue 2

November 11, 2000

From The President Jim Walters

FROM THE PRESIDENT

November 11, 2000 meeting

We received only positive feedback about the change in meeting format, which included an extended break to renew old acquaintances and talk woodworking. One of the items which seems to make this format work is to keep the business section of the meeting as short as possible. Your assignment in helping keep our meetings flowing is to read and consider the following items before your decision is needed on the 11th.

1 Annual Holiday Party Sign Up Sheet
The Woodworkers Club Annual Holiday party will be held at the Berwick Party House 3250 Refugee Rd. on December 12, 2000, starting at 6:00 P.M. The sign up sheet will ask you to indicate if you will be attending, if you will be bring a guest, and to select which dinner you want: 1) 9-10 oz Prime Rib, 2) Chicken Breast stuffed with Dressing or 3) Broiled Flounder stuffed with Crabmeat. Every meal will include a baked potato, coffee, tea, or soda and trips to Berwick's super salad bar. The cost per meal will be \$17.00, which includes all taxes and gratuities. If you can not make the November meeting you can sign up by calling Ron Grady at 237-7871.

2 Sign Up sheets for participation in the Greater Columbus Woodworking Show will need to be completed at the Nov. 11 meeting. This year's show will be take place on Jan 19--20--21, mark your calendars before the meeting to see if you will be available to help with this important club activity.

June 3 meeting

September 9 meeting:

Members Amaze Each Other With Ingenious Jigs And Fixtures

President Jim Walters opened the September 9 meeting right on time, and after the usual preliminaries introduced all the first time attendees, of which there was one. Attendance was a little light. Too bad for the non-attendees, they missed a good meeting.

Jim said to watch the next newsletter for an exciting announcement about a silent auction at the November meeting. He also said there would be a raffle at the end of this meeting, the prize being a miter gauge attachment, courtesy of Rockler Woodworking.

Chuck Murray exhorted the members to keep working on toys... or start working on toys. He would like to have most of them finished and delivered to him at the November 11 meeting.

Under John Herrell's gentle urging the contributors to the project table talked about their items. John and Jean Hock use a variety of woods in the beautiful bowls they turn, and they identify the wood on the underside of the bowl. A nice touch. Henry Fisher said the friend for whom he made a humidor wanted one in which the cigars would stand up. A little strange, but Henry complied by making a vertical cylinder with holly inlays and a cedar lining. Warren Moore brought pictures of a sectionalized computer center of plywood and laminate he made for his daughter. It fits perfectly in her loft. Lou Gatch said his "Singapore ball" was an "exercise in turning."

President's notes, continued on page 3

September 9, meeting, continued on page 2

You have to see it and handle it to appreciate it. He also showed us the results of his recent efforts at metal spinning. Looks like he's got the hang of it.

Walt Betley talked about how he makes his exquisite turned birdhouse ornaments from scrap lumber and how he makes them in a variety of sizes by scaling down his plans on a copy machine. Dennis Saxton brought several very fine scroll saw projects, including a business card holder and a cutout bride and groom scene he made as a wedding present.

Henry Fisher brought an "adjustable miter gauge." He also showed us an antique miniature table saw used in making jewelry. He inherited it from his father and plans to restore it to operating condition.

Following the project table, President Jim introduced Brent Conley of Blacklick Hardwoods, an offshoot of Conley Veneer who exports veneer quality logs to foreign markets. Blacklick Hardwoods is a retail outlet offering domestic hardwoods. It is located on Taylor Road in Blacklick, Ohio. They will be holding an open house in October and WOCO members will receive a mailing.

The next item on the program was a slide presentation by Henry Fisher of a room in the Metropolitan Museum of Art in New York. The entire room was transferred from a ducal palace in Italy and contains pictures made of wood intarsia which give an uncanny illusion of depth.

At this point Jim announced a 30-minute break for informal shop talk, and for paying dues!

Dan Martin and Ed Robold were the program chairmen for the day. Dan uses biscuit joinery in making cabinets and has devised several ingenious fixtures for holding the work to the biscuit jointer -- or is it holding the jointer to the work? No matter, the important thing is cutting the biscuit slots in the exact location, at the exact angle, to assure perfect alignment of parts when the cabinets are assembled. Attention to accuracy at the early stages pays off big at the end. His fixtures obviously do the job, as he is able to cut biscuit slots in edges of quite thin stock. Dan also showed fixtures for cutting mortises with a router into round stock, such as spindles, and for

routing mortises in frame parts. He uses 4-flute solid carbide milling cutters from MSC or Granger. Another item of interest was a special top for his router table that provides a pivot point to cut arcs and circles.

Lou Gatch showed us a jig for cutting tapered legs on a table saw. The important thing is setting the angle of the taper and Lou walked us through the process of determining that angle using trigonometry. Nifty. Lou also showed us a circle-cutting template for a band saw, which solves the problem of getting the saw blade into position to start the circular cut. The template, with the work in place on the pivot point, slides forward to bring the blade to the starting point for cutting the circle. Got that?

Chuck Murray (the toy guy) displayed a clamp to hold an inverted palm sander securely to the workbench. He likes to bring the "wood to the tool" rather than the "tool to the work," when making small parts. Using stock from kitchen sink cut-outs he made a dust collection fence for his router table and extension plates for the miter gauge on his table saw. Loves those cutouts. Chuck makes auxiliary tabletops for his scroll saw and band saw. They provide a smooth waxed surface without slots and inserts for the work to catch on. He's a big fan of double-faced tape, but not carpet tape.

Ed Robold treated us to a ride on the model railroad around the perimeter of his living room. We were right there in the engineer's seat, highballing down the track, missing only the sound effects. (Ed promised sound effects next time.) The roadbed consists of 3/4 plywood boards, 10" or so wide and up to 8' long, joined at the ends. Ed used wide mortises and loose tenons to make these joints to assure perfect alignment. He devised a jig consisting of two pieces of 1" MDF clamped over the board ends for the router to ride on. He centered the router with a "Rigor Mortise" sub-base and ploughed the mortises in 1/4" increments. The tenons were made from 1/4" MDF.

Our thanks to all the presenters for sharing their knowledge and experience. ☘

By Dave Loy

3 Just in time for Holiday projects the spalted maple auction. At the last meeting you had a chance to examine two spalted maple boards donated by Joe Vano to be auctioned as a fund raiser for the club. These boards are 16" plus wide, 6 1/2 ' long and approximately 1" thick. Come to the November 11th meeting prepared to take advantage of this opportunity as well as help the club treasury.

4 Expanded opportunities to participate in the show and tell. The club now has the capability to show videotapes with/without sound of your projects, which are too large to bring to the meetings. We hope this new capability will give us a chance to see those great projects, which won't fit in the trunk of our cars.⌘

KIDS N KAMP Project

Thanks to Jim Walters and Mike Thornton for their assistance on this years camp project. Each year WOCO provides wooden articles to be painted and decorated by the kids and their family at their annual labor day camp. This year we provided 55 angels cut form 2 x 6 lumber. Lou Gatch

For Sale

For those interested in post office (combination lock) Grecian style lock box doors #1s, I still have 35 for sale. Lou Gatch 866-7307

Vacuum Assist Fixtures Needed

Please bring any vacuum fixtures or devices you have used in your shop for display and discussion. We will be talking about practical use of atmospheric pressure in the wood shop. Anyone having a small air compressor with a venturi, PLEASE bring it to the Nov. 11 mtg. I will bring a vacuum pump with controls for a demonstration. Lou Gatch

Formulas used with basic geometric figures continued from last newsletter. submitted by Walt Betley.

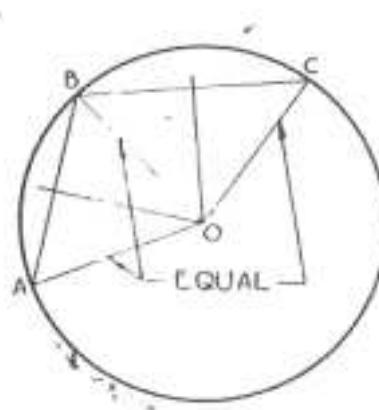


Figure 4-25. Constructing a circle through three given points.

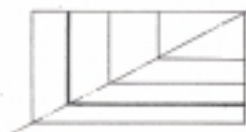
Given the points A, B, and C, as in the above figure, draw the lines AB and BC, and construct their perpendicular bisectors. The point O where these bisectors meet is the center of the desired circle since the distances OA, OB, and OC, are equal and are therefore radii of the circle drawn through points A, B, and C.

WHAT IS THE BEST METHOD OF REDUCING OR ENLARGING THE SIZE OF NON PLANE GEOMETRIC FIGURES

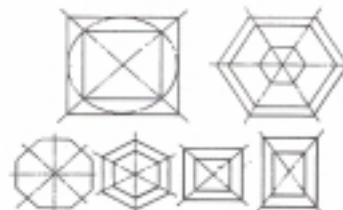
The answer would probably be: USE A COPY MACHINE.

Plain geometric figures however are easily sized by using by using DIAGONALS.

Plain figures having the same base and sides are reduced or enlarged using diagonals.



Diagonals will locate the center of any regular plane figure (even number sides).



Continued on page 4

DIVIDE A LINE INTO PROPORTIONAL PARTS

NOTE: The procedure to divide lines into proportions is similar to that used to divide lines into equal parts. Either the procedure shown in or may be used.

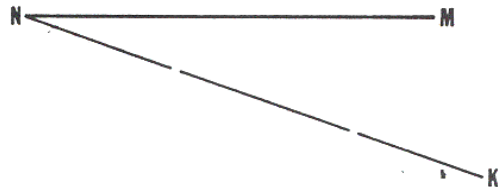
1. Given a line segment NM.

Divide this line into proportional segments using the any angle method.

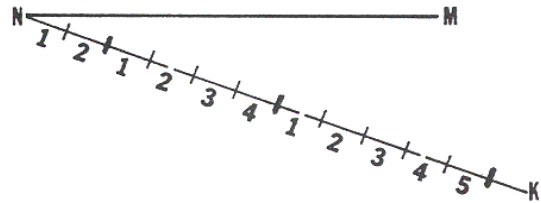
In this example use proportions of 2:4:5.



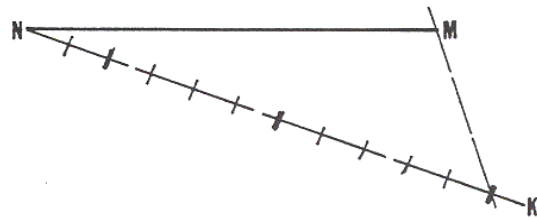
2. From either end of the line to be proportioned draw a construction line NK at any convenient angle.



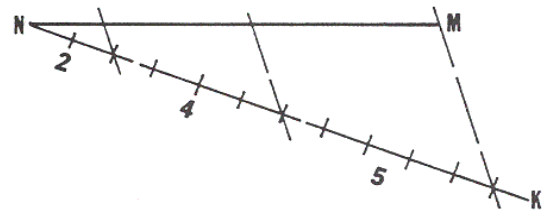
3. Use your dividers or any convenient scale to set off the proportions of first 2 then 4 and then 5.



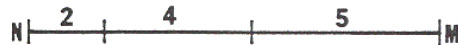
4. Connect the last point on the construction line to point M on the given line.

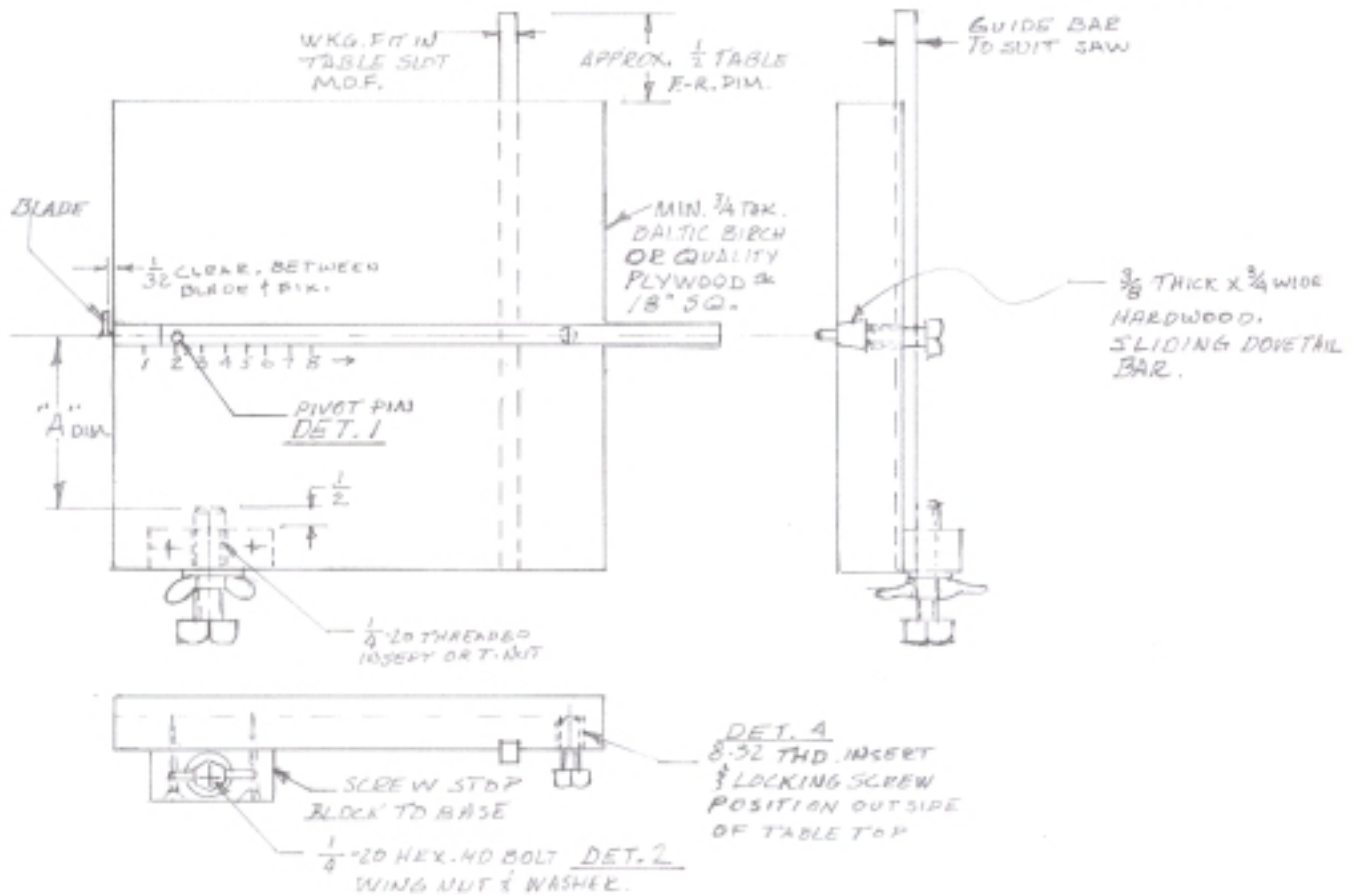


5. Draw parallel lines through the desired proportion marks to intersect line NM.



6. Line NM is now divided into the required proportions of 2:4:5.





Notes:

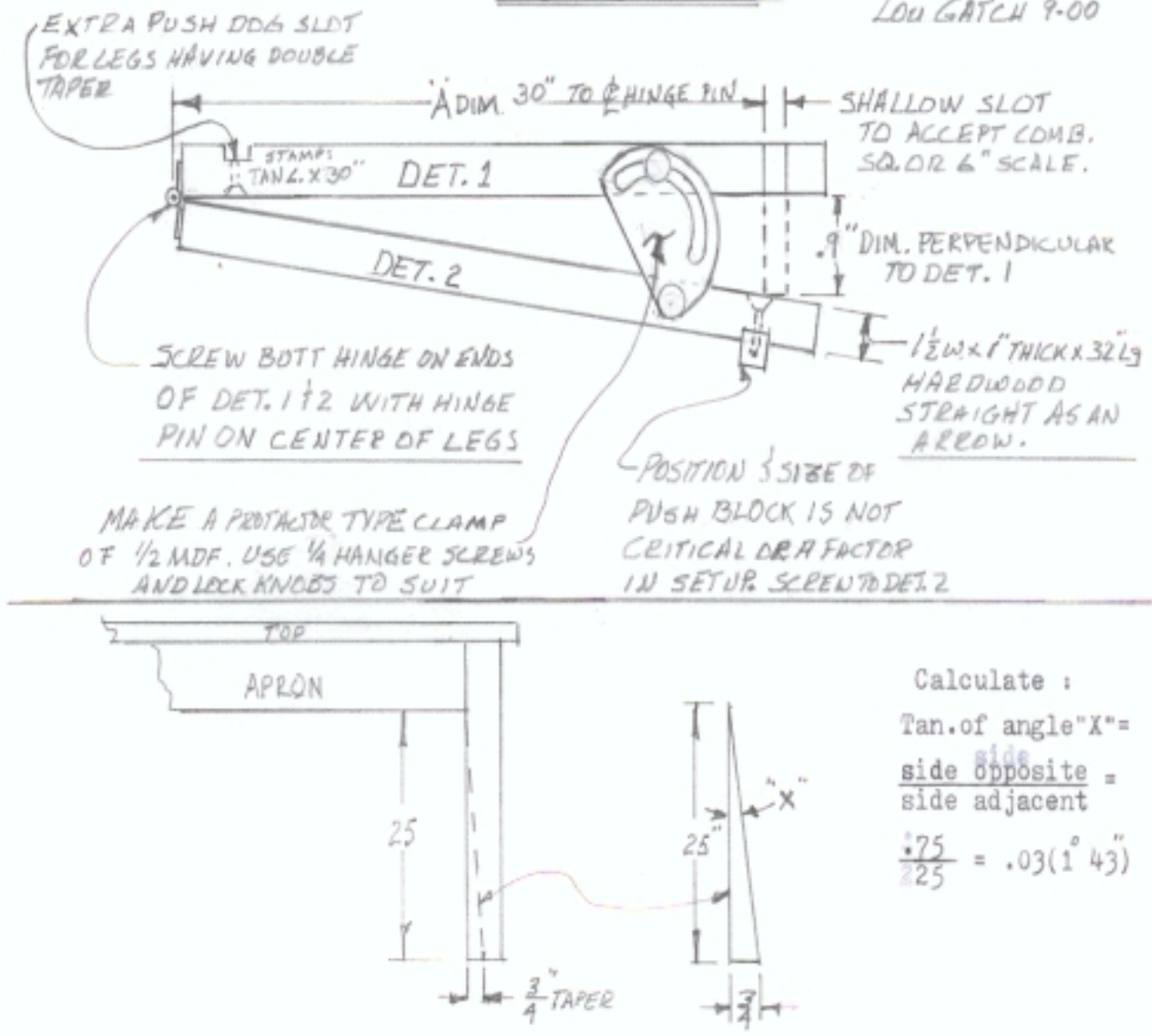
The "A" dim. (center line of the pivot pin Det.1 to the end of the stop screw Det.2) should approximate the dim. from the front edge of the table to the cutting edge of the blade or slightly into its gullet. The 1/2" dim. allows for the front to rear adjustment for various blade widths.

To Use:

Drill a hole in the blank. Allow extra material to insure cut. Set radius by measuring from the centerline of the pivot pin Det.1 to the blade edge. Tighten lock screw Det.4. Place blank on pivot pin. Start motor and push fixture until adjusting screw Det.2 contacts table. Rotate blank while maintaining forward pressure on fixture to complete the cut. If your bandsaw does not have a slot in the tabletop, dado a slot in a block of hardwood and screw it to the right side of the table edge flush with the top

Tapering Fixture

LOU GATCH 9-00



Tapering Fixture Setup

Example:

Taper the above table leg 3/4 " in 25" length on the mortised sides of a typical leg.

1. Calculate for the Tangent of the angle "x" (see sketch)
2. Multiply 30" x the Tangent .03" = .9" ("A" dim. of the fixture X the Tangent of the angle.)
3. Set Det. 1, .9" away from Det. 2, using a combination square or a 6" scale perpendicular to Det. 1, see sketch.
4. Set the table saw fence and cut the taper on the mortised sides of the legs. Take a light jointer cut to clean up any saw marks.
5. If the taper is required on the 4 sides, make the first 21 cuts on all the legs, then double the angle setting (.9" x 2 = 1.8"), Reset the fixture and cut the other 2 sides of each leg.

Note: A slight compound angle cut is made on this cut. If this is not suitable, tape the sliver of stock cut off on the first cuts to the tapered sides, then make cuts on sides 3 & 4.

Show-and-Tell

Some of the fine examples of work done by our members. You are encouraged to bring your "creations" to show and tell about them.

Photos were taken by Jack Hock.



Plane News is a publication of the
Woodworkers of Central Ohio
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Meetings are held the second Saturday of
September, November, February, March, April
and June
From 9:00 am – 1:00 pm

at Spring Road Church of Christ
74 Spring Road Westerville, Oh

Send news items to the secretary/editor of this Newsletter:
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Gahanna, Oh 43230
614 476-4121
rhull@asacomp.com

WOCO web site
<http://www.biosci.ohio-state.edu/~awolfe/Lab/woco.html>

Deadline for newsletter articles is the 15th of the month
before the meeting

Newsletter via e-mail

To read it, you will need to have a copy of Adobe Acrobat reader® that is available free from many sources on the Internet. You can download a copy of Acrobat reader® from this web site address <http://www.adobe.com/prodindex/acrobat/readstep.html#reader>

You may also read this newsletter in web format at this address.

<http://www.biosci.ohio-state.edu/~awolfe/Lab/woco.html>

WOCO & Other Meetings

WOCO meets Nov 11, 2000. Spring Rd Church of Christ,
74 Spring Rd Westerville, Oh 9:00am – 1:00pm

Woodturners meet, 2nd Tuesday, each month, 1100 Kinnear
Road, Columbus. Floyd Anstaett, Pres. 740 967-7304
Jack and Jean Hock, Co-Secretaries 614 276-8838.

Columbus Chippers Carving Club, meet 2nd Wednesday, each
month. Northeast Career Center, 3871 Stelzer Rd
at 7:30 p.m. Paul Herbeck, President 614 268-9603
Lori Andrews, Secretary 614 882-8239

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