



Contains May 2016 Minutes

June, 2016

**NO MEMBERS OR VISITORS SHALL ENTER OR EXIT THE CAMP VIA THE CHRISTMAN ROAD ENTRANCE. MEMBERS MUST ENTER AND EXIT FROM MT.PLEASANT ROAD.**

**BUCKEYE WOODWORKERS  
AND WOODTURNERS  
May 14, 2016**

**Anyone wishing to submit pictures for the newsletter please send them to the editor within two days of the meeting**

**Buckeye Woodworkers and Woodturners  
May 14, 2016  
Camp Y Noah**

Respectfully Submitted  
Jerry Schaible, Sec.

The following items were brought to the attention of the membership.....

1. Gayle Seymour stated that he needed someone to help out with the ongoing adjustments to our website. Gayle has set up a new club website at [bwwt.us](http://bwwt.us) and now he is seeking someone to help maintain it.
2. Pres. Richard Rohr indicated that there would not be a table for Show and Tell items nor will there be a raffle table at the end of the business meeting. He stated that with the professional turners that we had at the meeting today, there would not be time for the items mentioned above.
3. Pres. Rohr gave recognition to Dave Floyd for making a name tag that was placed on the lathe in recognition for the use of memorial money to pay for the swing away attachment for the lathe. This is so that the lathe tailstock can be moved to the end of the lathe and placed on the attachment and then lowered out of position to continue turning without a hindrance to turning.
4. Special recognition was given to Gayle Seymour and

Bob Stone for construction of our new website of [bwwt.us](http://bwwt.us). Gayle stated that they need any suggestions or corrections to the website forwarded to them so that they can make changes. Members could also contact the officers if they want to make suggestions.

5. Pes. Rohr mentioned that the summer camper sessions will again be held this year for the young campers who come to Y Noah. Ben Fix is the coordinator for this effort. He will need someone to pick up some pizzas and drinks. There will be only four sessions this summer with two of them in June and two in July.

6. It was noted that there will be up to four professional turners coming to North Coast and BWWT members have been invited to attend the Saturday sessions..

7. Bill Stone gave a summary of the Blue Heron Festival that was held at the Akron Water Works on Akron Peninsula Road. He said that it stemmed from the fact that there was a large ash tree taken down in West Akron and placed on the Water Works property. That tree will be cut up this week and allowed to properly dry indoors at their facility. The objective will be to take some of the cuttings and make platters and bowls and then give these to the Akron Environmental and Water Works facility to show others what beautiful objects can be made from the wood of the ash tree. Bill Gougler, Bill Stone, and Jerry Schaible put on a turning demonstration for the patrons at the festival.

8. Bill Stone, mentioned that the next meeting will be held at Doll Lumber Co. in Southington Ohio. This is north east of Ravenna. Directions will be available on our club website of [bwwt.us](http://bwwt.us). Members can tour the lumber facilities and the sawmill. There will be a short discussion of finishes that can be used on turnings and flat furniture. There will be a picnic after the meeting at noon. Bill also mentioned that there will be our annual auction in July with all proceeds to be placed in our BWWT treasury. Members were encouraged to bring items and donate them to the sale.

9. Marty Chapman mentioned that there will be the largest wood turning demonstration in NE Ohio for the wood turn-

ers of BWWT. This event will be held in Minerva on Sat. May 21. The Art Fest will be held from 10 AM to 7 pm on main street in Minerva. Set up will be from 8:30 am for the demonstrators. There will be 8 turning groups present to do their demonstrations. Canopies will be provided for the turners to protect them against inclement weather.

10. Pens for Troops will be sponsored by Les Morgan. The pen kits will be donated by Woodcraft in Cleveland. The pens kits will be distributed by in Sept and they are due back in November so that they can be sent to the troops.

11. Pres. Rohr stated that the bylaws are being updated and they will be issued in August with a vote in Sept. for approval.

12. Pres. Rohr indicated that there will be woodturning show at the Wayne Center for the Arts to be held in Wooster, Ohio in Sept;. He encouraged members to begin making their wood turned projects so that it can be entered in this showing.

13. The name tag drawing was won by Keith Bellamy.

14. The tool giveaway was held at the end of the meeting and before the demonstration.

**Terry Elfers, Tom Cummins  
Jig Fixtures  
May 14, 2016**

**Respectfully Submitted  
Jerry Schaible, Sec.**



Terry Elfers and Tom Cummins, from the Ohio Valley Woodturners Guild near Cincinnati, visited us as guest turners to show us the value of using jig fixtures to do the turning of balls such as soccer balls, footballs, baseballs,

and other objects. They stated that the gluing up of various soccer ball blanks or football blanks, would take another demo to determine the angles of all the cuts for those segmented pieces and blanks. They were here today to describe their turning fixtures and jigs that they have created over the past several years. They indicated that this style of turning gives unparalleled accuracy in the turning process.

Most all of their fixtures were made out of Baltic plywood because it was stable and is perfectly laminated. If one used plywood or regular hardwood, there is a serious risk of warping that will throw off the accuracy of the turnings. In fact, during the turning process, there were numerous times when the fixtures had to be cleaned of flying chips, so that the fixtures could sit accurately on the bed of the lathe.

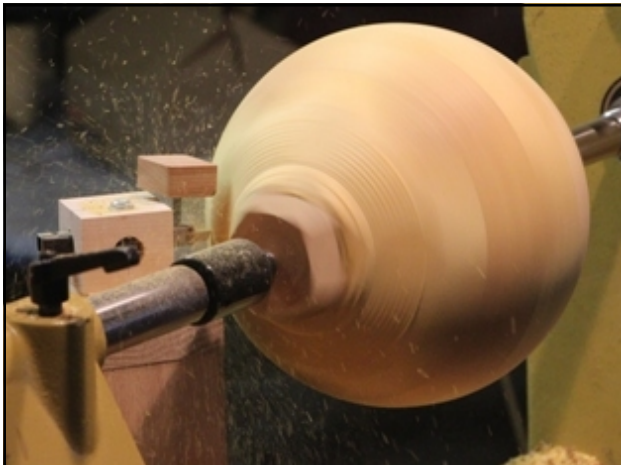


Most all of the jig fixtures had a base of Baltic plywood that sat right on the ways of the lathe bed. It also had a 3/8" metal pin that was attached to the base with a tight pressed fit into a drilled hole as a pivot point. Then there was a moveable base applied to the top of the solid base with a drilled hole to fit on the exposed 3/8" pin. That drilled hole had a slip fit tolerance so that the moveable base could be slid into position for cutting the turned blank. Then there was a moveable turret built on top of the moveable base to hold the cutting tool. They used a 3" x 3 1/2" block for the turret. The turret was strong enough to hold the cutting tool in position without chatter or wobble, as long as the bases

were free from wood chips.

The cutting tool was merely some tool steel of M-2 quality, although they did state that they like some of their tool steel to have some cobalt in it. They used 1/4" tool steel stock that they purchased from Enco Products. They ground a round nose point on the tool steel and put a 20 degree bevel on the cutting edge. They used a scraping technique for cutting into the blank. They mentioned several times that one is to take very light cuts and move slowly along the cutting surface. In some of their jigs, they had a small threaded shaft and crank handle where they could make slight adjustments to the cutting depths by moving the cutting tool steel in and out of the turning blank. In other jigs they simply adjusted the moveable base with hand adjustments to take the desired depths of cut.

To demonstrate the cutting ability of the fixture, the mounted a glued up soccer ball between centers of the lathe. The soccer ball blank was previously glued up for this presentation. It was mentioned that it takes about 8 hours to cut and glue up all the segments of the ball. Each segment is cut so that it precisely fits next to the other segments and then glued in position. It was mentioned that you will get grain running in all directions and there will be several long sanding sessions to get the piece to have a nice finish. With the jig fixture, they were able to take several light cuts along the diameter of the blank, using the pivot technique of the fixture.



With the soccer ball consisting of many pentagons, one starts with turning off the corners of those geometric shapes. They stopped the lathe often to see how their scraping technique was working. They indicated that one could check to see if the resulting cutting circles inside the pentagon shapes were somewhat even, it would verify that the cutting technique was very accurate. They mentioned that they use Titebond glue to glue up all the segments in the soccer ball. To make the football, they used a jig with similar pieces as the soccer ball fixture. They used a different pin location to compensate for the differ-

ent shape of the football as compared to a soccer ball. At this point in the discussion, they distributed a set of fixture plans to members of the group. This handout had drawings of each of the fixture components as well as photos to guide the members in their construction of the fixtures.

With the shaping of smaller balls on the lathe, they used a vacuum chuck on the headstock and then attached a faceplate that held a large 8 inch surface that was coated with closed cell foam sheets. There was a donut hole in the center to allow the ball placement for gripping or holding the



ball in position in order to turn off the nubs which were left from holding the baseball or softball size piece, between centers. These can be removed with turning tools, such as a parting tool or small spindle gouge. After one nub has been removed, then one can turn the piece 180 degrees and remove the second nub. Alignment each time should be with the tailstock ball bearing in position to allow for accuracy of the cut.

They also mentioned that one can use the bandsaw to make cuts on their pieces. They made some wave bowls, but the bowls had to be cut on the bandsaw at certain angles in order to get the wave action to appear with contrasting woods. They did mention that your bandsaw would have to be set up accurately so that it could make good cuts. They mentioned that Alex Snodgrass and John Beaver had videos on You Tube where they gave instructions for making bandsaw adjustments. They indicated that you could Google the



names and come up with their videos.

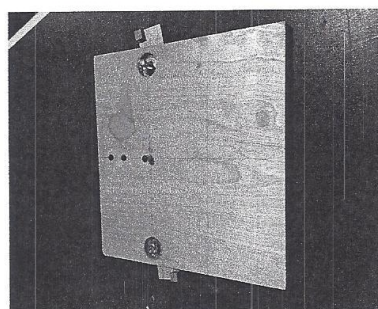
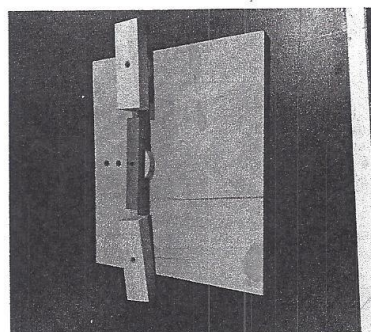
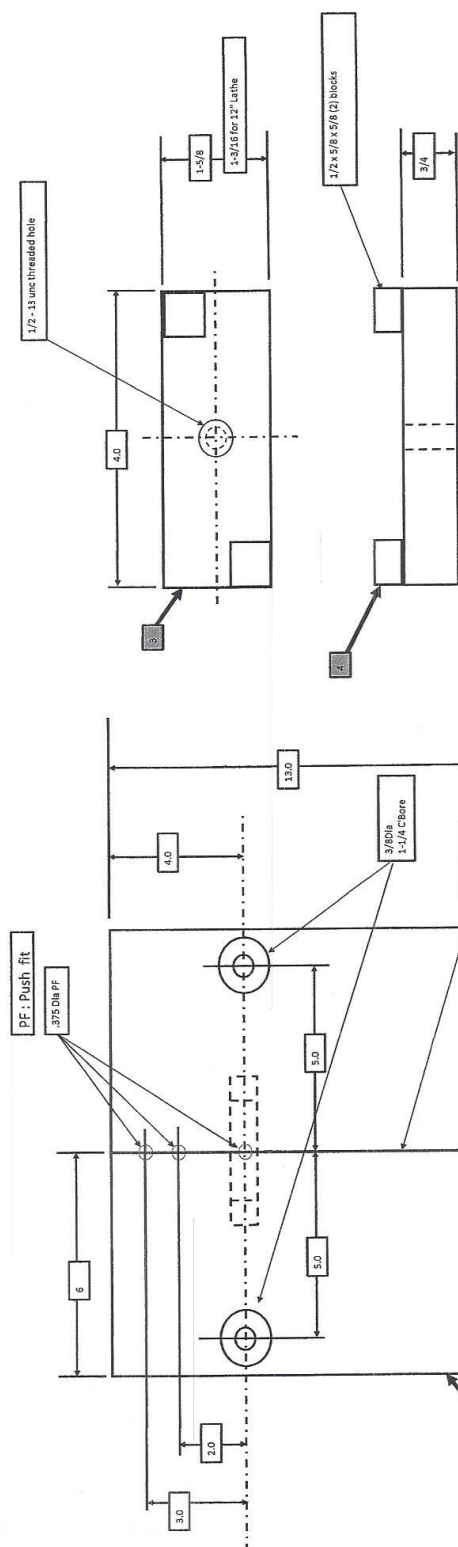


**Terry Elfers & Tom Cummins  
Picture Gallery**





Ball Fixture  
Base Assembly

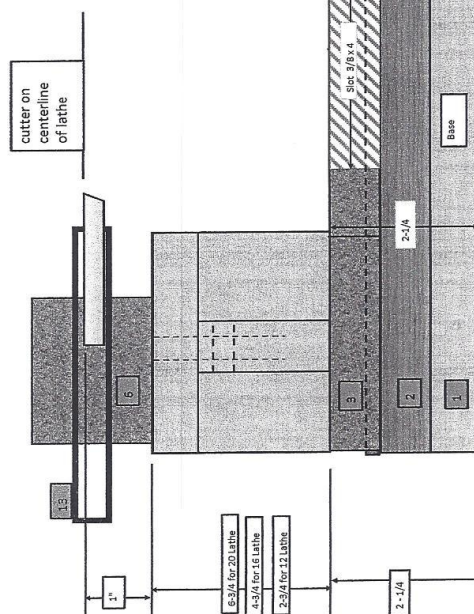
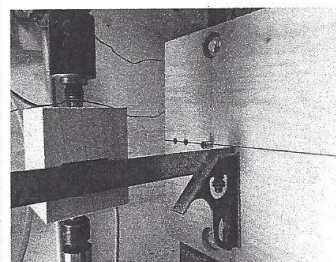
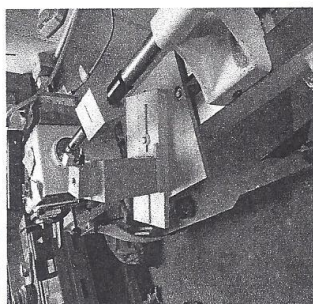
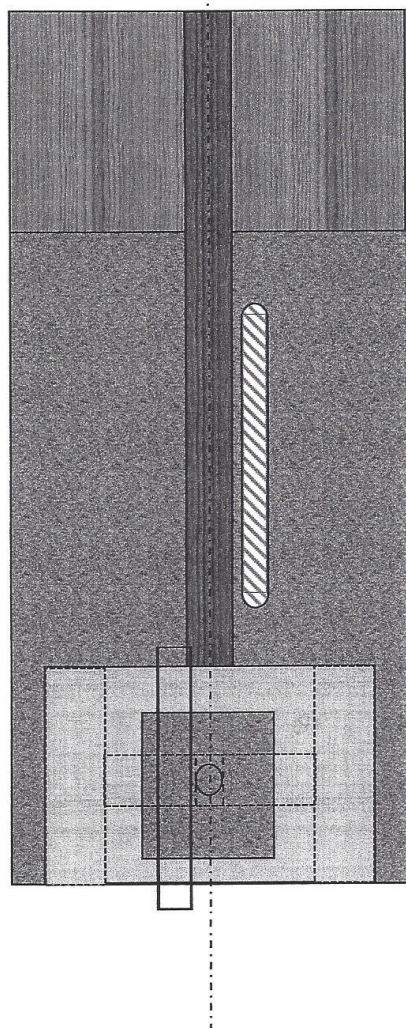


Item #	Qty	Part Name
1	1	Lathe
2	1	Lat 16"
3	1	Pin 20"
4	1	Lat 16"
5	1	Lat 16"
6	1	Lat 16"
7	1	Lat 16"
8	1	Lat 16"

LF : Loose fit  
SF : Slip fit  
PF : Press fit

ITEM	QTY	Description	Size
1	1	base	3/4 x 13 x 13
2	2	centering ring for pivot pin	1/2 x 2 x 2
3	2	clamp block	3/4 x 1-5/8 x 4
4	2	anti-rotation block	1/2 x 5/8 x 5/8
5	2	bolt	3/8-16 NC 2" long
6	2	washer	7/16 ID - 1 OD
7	1	dowel pin	3/8 Dia 2" long
8	1	retainer for items 2 & 8	3/4 x 1 x 4

Ball Fixture Assembly

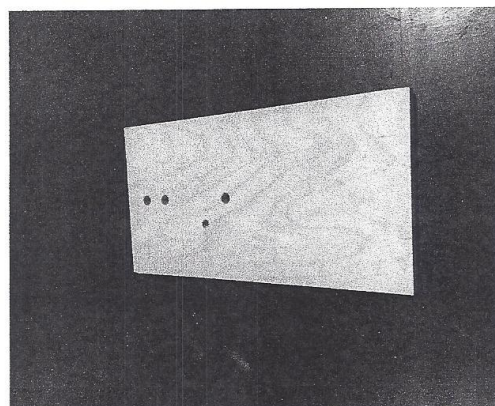
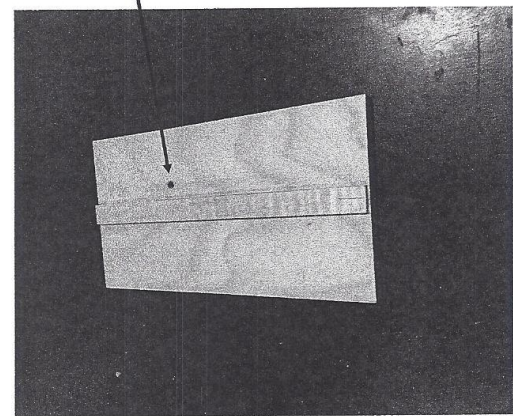
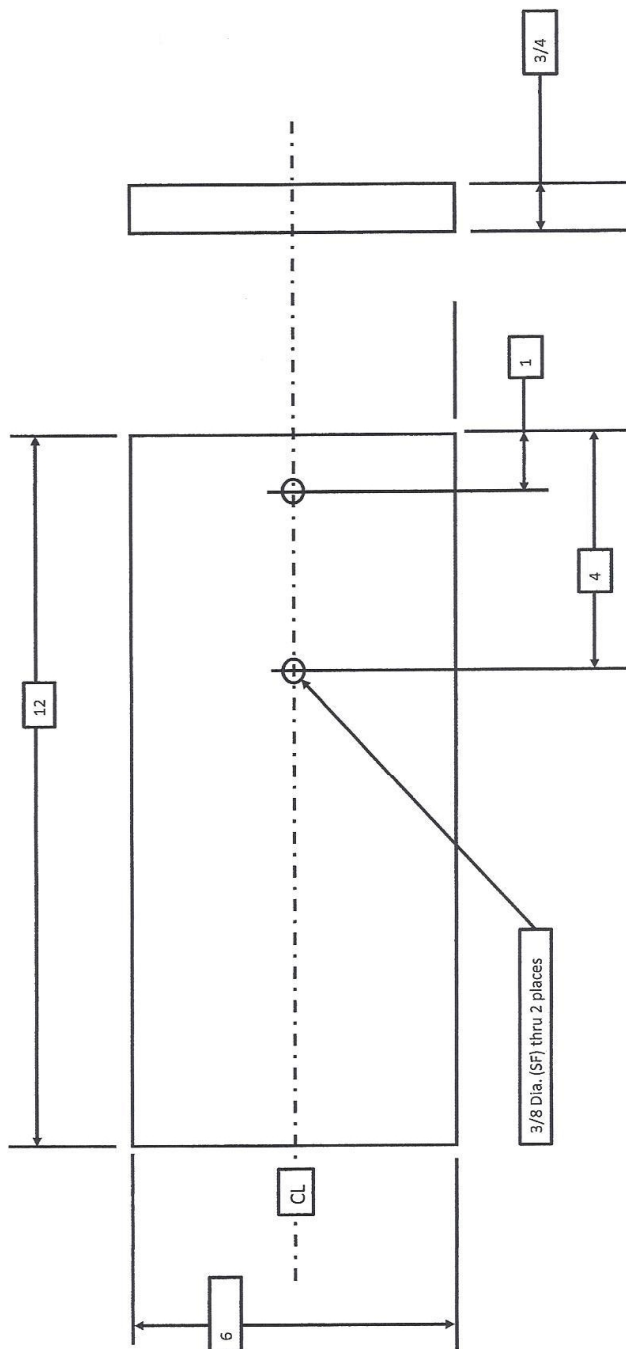


Bill of material

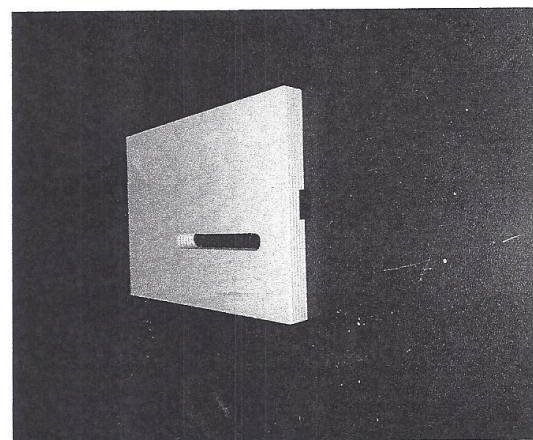
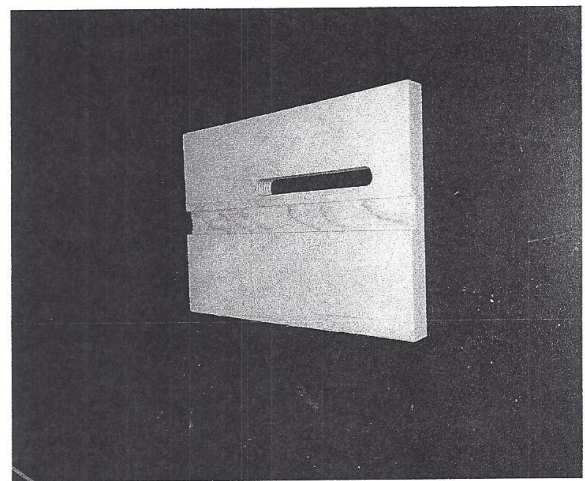
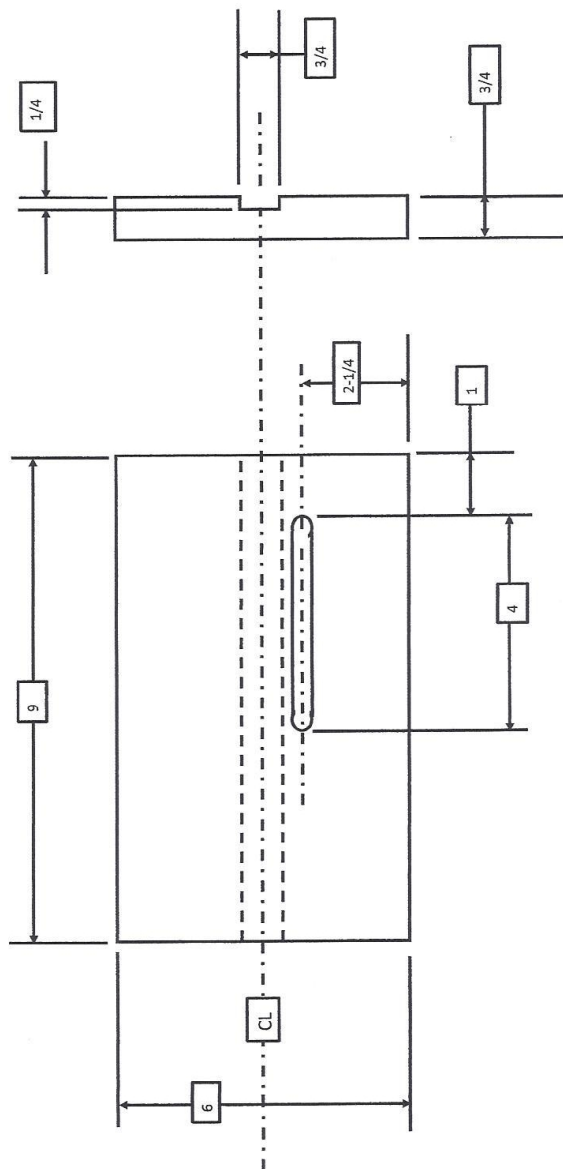
1	Base	3/4 x 12 x 12	birch plywood
2	Pivot Plate	3/4 x 5 x 12	birch plywood
3	Slider	3/4 x 5 x 9	birch plywood
4	Cutter	2 x 4 x 6	oak or hard maple
5	Riser Assembly	2 x 4 x 6	oak or hard maple
6	Tool Holding Turret Block	2 x 2 x 2-1/2	oak or hard maple
7	Dowel / Barrel Nut	1/4-20 NC	oak or hard maple
8	Bolt	1/4-20 NC 3-1/2 long	oak or hard maple
9	Washer Flat	1/4	oak or hard maple
10	Washer Flat	3/8-16 NC 1-1/2	oak or hard maple
11	Washer Flat	3/8	oak or hard maple
12	Washer Flat	1/2 x 3-3/4	oak or hard maple
13	Sq. Tube	1/4 x 1/4 x 2.5	sq. tube
14	Cutter	HSS	HSS



Pivot Plate Item 2

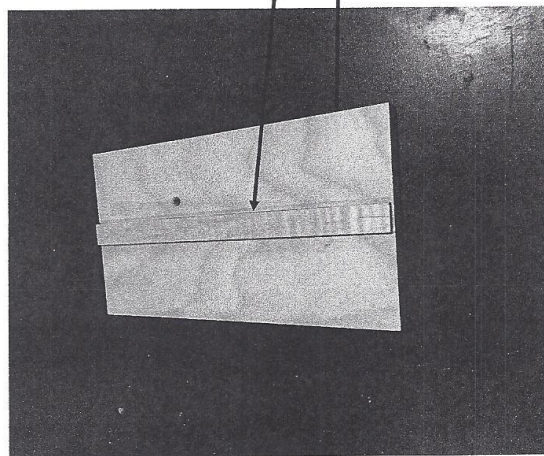
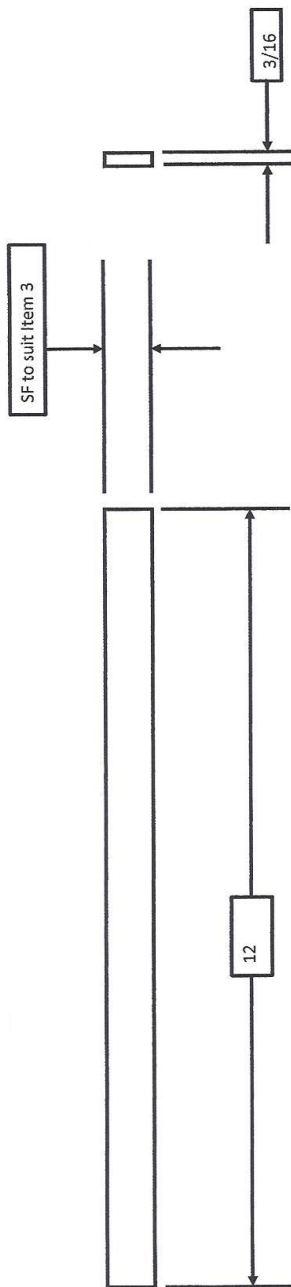


Slider Plate Item 3

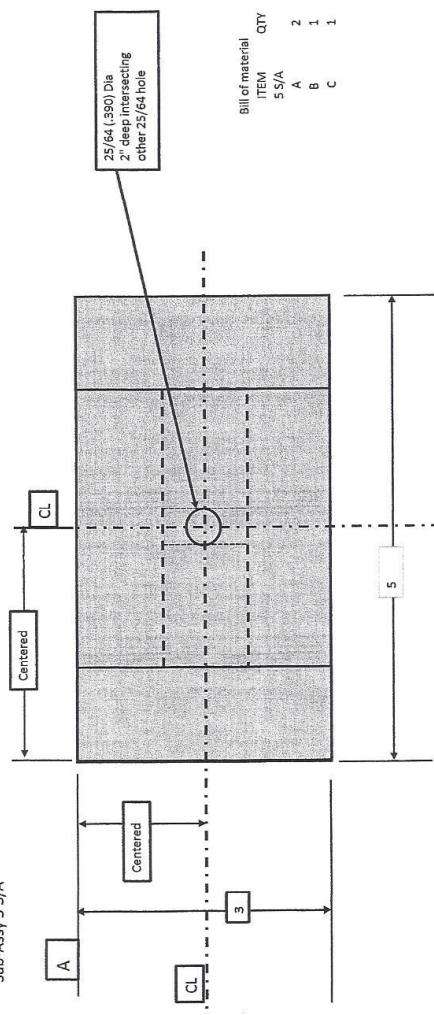




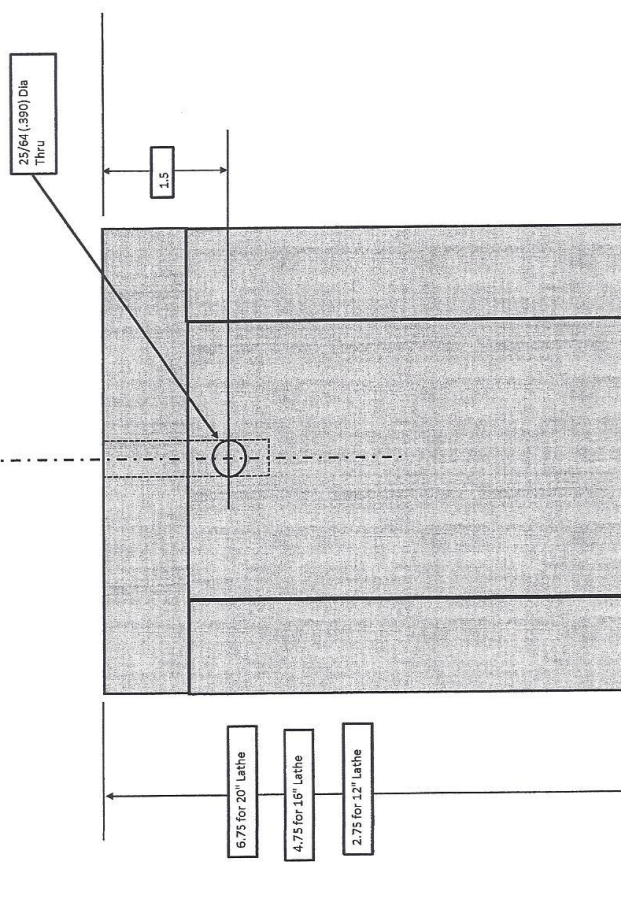
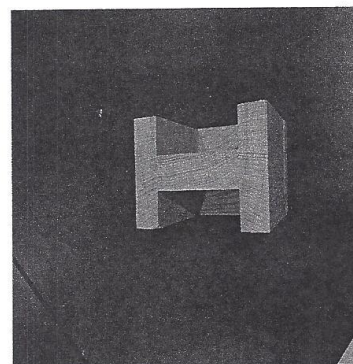
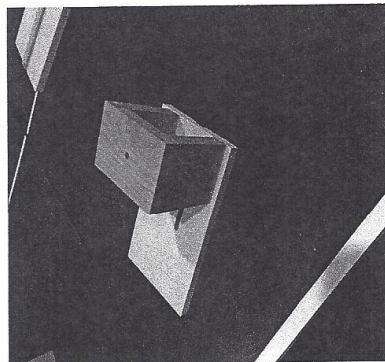
Runner Item 4



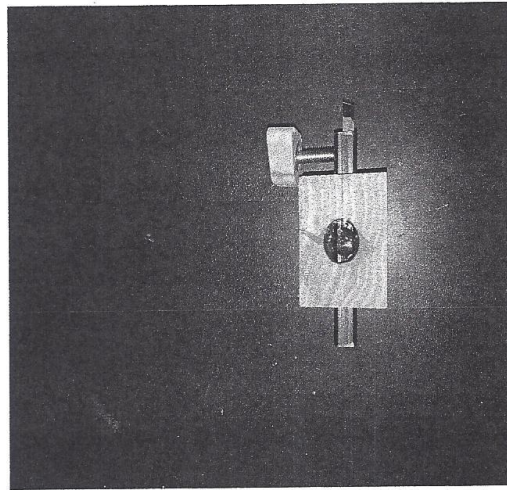
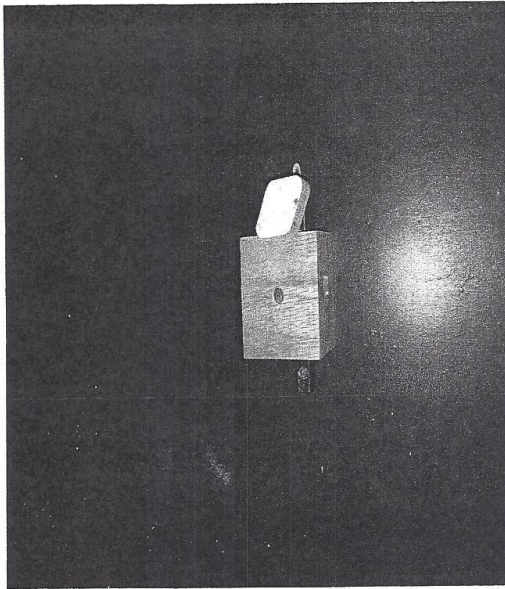
Ball Fixture  
Sub-Assy 5 S/A



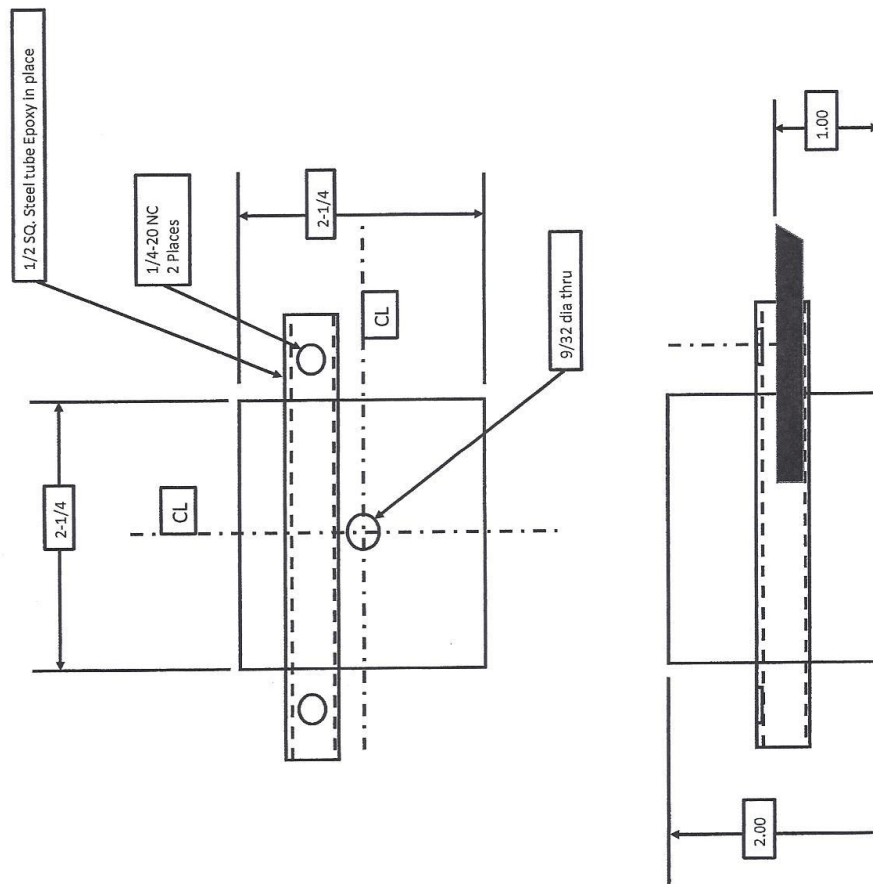
Bill of material		Description		Size	
ITEM	QTY				
5 S/A	2	Glued Subassembly		1 x 1-3/4 x as req'd	
A	2	Column L & R		Oak / Maple	
B	1	Column Center		Oak / Maple	
C	1	Top Plate		Oak / Maple	
Total				1 x 1-3/4 x as req'd	







Turret Block Item 6



## Calendar of Events

### PLEASE NOTE

**BWWT MEETINGS ARE HELD ON  
THE SECOND SATURDAY OF EACH  
MONTH BEGINNING AT 9:00AM**

June 11, 2016....Doll Lumber Picnic.

July 9, 2016....Club Auction.

August 9, 2016....Hoby Horn Building  
Drawers with Box Joints.

**NO MEMBERS OR VISITORS  
SHALL ENTER OR EXIT THE  
CAMP VIA THE CHRISTMAN  
ROAD ENTRANCE. MEMBERS  
MUST ENTER AND EXIT FROM  
MT.PLEASANT ROAD.**

**BWWT Library Online Guide brought to  
you by the BWWT Club Librarians, Dirk  
Falther and Bob Hasenyager.**

The online guide lists the books and videos that  
are available in our club library along with de-  
scriptions on the subject matter and other useful  
information. Follow the link below to check it out.

<http://uh.cx/uVS1S>

## BWWT OFFICERS FOR 2016



### ***President***

Richard Rohr  
330-484-2830



### ***Vice President***

Bob Stone  
330-928-3221  
bstone@neo.rr.com



### ***Secretary***

Gerald Schaible  
330-673-6512  
gschaible001@neo.rr.com



### ***Treasurer***

Mark Stransky  
330-688-1690  
mastran@neo.rr.com



### ***Librarian***

Dirk Falther  
330-310-4570  
dfalther3@att.net



### ***Librarian***

Bob Hasenyager  
330-334-8314  
bobhasenyager@gmail.com



### ***Newsletter Editor***

Bob Stone  
330-928-3221  
bstone@neo.rr.com



### ***Membership Admin.***

Phil Brower  
330-688-7244  
fbtoad@aol.com