

# Revolutions

THE NEWSLETTER OF THE ASSOCIATION OF WOODTURNERS OF GREAT BRITAIN

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## **Revolutions**

**Copy deadline for the  
next edition of  
Revolutions  
6th August 2017**

## **Front Cover**

Glenn Lucas making shavings at the Axminster 30th Birthday Bash

See page 9  
for more information

The AWGB is a Company Limited by Guarantee and a Registered Charity. It is administered by a group of elected Trustees who are also Directors of the Company. The Trustees meet at least twice each year and at the AGM. When they meet together they are known collectively as the "The Executive". Additionally, there are a number of people who assist the Trustees in their duties. These people are not elected and are known as "Volunteers".

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## Chairman's Notes

### Dave Atkinson

I can't believe the way time flies these days, it doesn't seem very long since I last penned some notes for Revolutions. I think this is because we lead busy lives, at least mine is!

It's been an eventful quarter with its usual quota of sad news and I'm pleased to say much more good news. Many of you will know that Ryan Davenport stood down as a Trustee and his role as Membership Secretary and Regional Rep for the Midlands as his father was taken seriously ill. Sadly, his father has since passed away. I'd like to thank Ryan for his help over the past couple of years and extend our condolences to him and his family. Many of you may know that Liam Flynn died suddenly in April; there have been many moving tributes to him on Facebook – RIP Liam. There are also others who have been bereaved this year and our condolences go out to them and their families. Please take a moment to remember these members of the woodturning community in your thoughts and prayers.

Moving on to more cheerful matters, I'm delighted and very proud of our Birthday Bash initiative. We awarded 37 grants of £300 and there have already been a number of events with more to come throughout the year. I did some sums and if we assume each event has 50 people we have reached 1850 woodturners. Some of the events are public shows and therefore we will have reached well over 2000 - 3000 people. This is a fantastic return on our investment. Thank you to all of you who are holding events.

We have also had an outstanding response from the membership in our call for help towards the end of March. As a result we have filled the vacant positions for Membership Secretary (Mike Wilson), Regional Representatives Midlands and the North (Pat Murphy and Howard Hughes respectively) and a new position of Seminar Booking Coordinator (Mark Hogan). Paul Hannaby now has two helpers with the website (Mark Miller and Paul Middleton). Additionally, I also have a list of people who have volunteered to help on an "as needed" basis. Thank you all.

Our plans for the seminar are proceeding well and we will be announcing the charges in the next few months. I can tell you that the full weekend will cost £395 if you take advantage of the "early bird" offer. This includes accommodation and all meals from Friday lunchtime to Sunday lunchtime inclusive and access to all the demonstrations, trade area, instant gallery and the masterclasses (which will be booked on a first come first served basis). We will be offering other packages, such as attendance only without accommodation and day tickets as well.

The competition has been very well supported and by the time you read this Sam Webber (Vice Chairman) and Reg Hawthorne (former Chairman) will have judged the top 3 from the 60 we have chosen for the travelling exhibition 2017 – 2018. The standard of the entries was very high and choosing the 60 was a challenging task. Well done to all who entered.

Finally, Ray Key, our President is having some health issues, which have curtailed his activities for the time being. We wish him well and hope he has a speedy recovery.



## Chairman's Report – AGM 23 April 2017

Firstly, I'd like to welcome you all to Yarnfield Park. As you can see this is a fantastic venue and we're very excited to be returning here in October next year for our Seminar.

As usual it's been a busy 12 months since our last AGM and I must thank all my fellow Trustees for their support and assistance throughout the year. As some of you know Ryan Davenport has stepped down for family reasons. I'd like to thank him for his efforts as both Membership Secretary and Regional Rep in the Midlands and wish him well for the future. This leads me on to welcome four new "trustees in waiting" Mike Wilson, Membership Secretary, Howard Hughes, Regional Rep North, Pat Murphy Regional Rep Midlands and Wales and Mark Hogan who will be coordinating the bookings for the 2018 Seminar. All four will be elected formally as Trustees at the 2018 AGM.

As a result of our appeal for help we have also recruited two assistance webmasters – Mark Miller and Paul Middleton, and we have a list of other members who have volunteered to help us out and we will be getting in touch with them over the next few weeks to let them know what we have in mind for them.

The last twelve months have been very busy with:

- Training – ongoing delivery of workshops, Youth Training and the new courses part funded by WCT for the Certificate in Woodturning. Our demonstrator training continues to prove popular as does the AWGB tutor badge
- Attendance at Wizardry in Wood at Carpenter's Hall in October where we displayed the full travelling exhibition to the delight of the many, many people who attended.
- Attendance at a range of shows at our usual wood related venues plus other county shows and major craft events – a huge thank you to Russell Gibbs who looks after Trade and the Shows and the Regional Reps who manned the stands.
- Making arrangements for the 2018 Seminar including finalising the booking here, at Yarnfield, and

confirming the demonstrators – Harvey Meyer, Mike Hosaluk, Glenn Lucas, Max Brosi, Jean François Escoulen, Asmund Vignes, Gary Rance, Les Thorne and Rod Page.

- Awarding thirty-seven Birthday Bash Grants of £300 each.
- Awarding grants from the Roger Stewart Fund plus our usual demonstrator and event grants
- Running a very successful competition for the travelling exhibition – thanks to Paul Hannaby for sorting out the IT at our end. We had 110 entries and 60 have been taken forward for the travelling exhibition 2017/18 and will be judged for 1st, 2nd and 3rd at Woodworks.
- The introduction of MailChimp – big step forward in communicating with the membership again thanks to Paul Hannaby for sorting that out.

Going forward we will be:

- Judging the competition entries at Woodworks in May
- Working on seminar promotion and general arrangements
- Launching the new Seminar website, announcing seminar prices and taking bookings from July. There will be an early bird discount of 7% for people who book and pay 50% by March 2018. This means the full weekend charge will be £395 instead of £425 and we will be offering similar discounts for other event packages
- Confirming our decision to fund the seminar by £6,000
- Continuing with awarding demonstrator and event grants
- Continuing with awarding grants under the Roger Stewart banner
- Continuing with attendance at shows
- Continuing with the e-bulletins.

It only remains for me to thank you for attending today, your continued support and that of the membership.

David W Atkinson, Chairman.

The East Herts Woodturning Association wish to advise their members and friends of two Sunday Demonstrations booked for 2017.

**25th June Les Thorne**

**22nd October Tony Wilson**

**Venue The Pavillion, Bullfields, Sawbridgeworth CM21 9EA**

**Fee £12 including light lunch, teas and coffee**

Please contact East Herts Secretary Tony Hinksman on 01279 814337 to book place and supply any dietary requirements





## Suffolk Mid-Coastal Woodturners AWGB 30th Birthday Bash

After lunch the committee felt it only right to mark the occasion by the cutting of a cake decked in the colours of the AWGB; this was performed by Colin Smith, the AWGB representative for our area.



Colin Smith cutting cake

A cheque presentation for £800 was made by our Vice-Chairman Steve Davis to our Treasurer Don Golding; the cheque had been secured from a local councillor for the Ipswich area, Inga Lockington, for a new club lathe; in our area every councillor has a locality budget of £10,000 per year to distribute to good causes within their ward (might be worth your club investigating if this scheme operates in your area).



Steve Davis and Don Golding

After this Andrew continued his third session demonstration; this was followed by a short presentation on the later years of the AWGB by Colin Smith.

We continued with a Grand Draw in aid of a local hospice charity which raised £213. The draw prizes included two prizes from Andrew and a free annual subscription for Woodturning magazine from Mark and many other prizes. Andrew then continued with the final session of his demonstration finishing with a musical serenade on some of the instruments he makes.

Supporting the day, the AWGB had a display which included past and recent copies of *Revolutions*. There were also free back-issues of Woodturning magazine for members and guests to take away, kindly donated by Mark Baker (they disappeared very quickly). The members did the club proud by displaying their work in an instant Gallery that covered two tables. As you can imagine it was a busy day for all concerned and



Andrew Hall

Suffolk Mid-Coastal Woodturners recently benefitted from the AWGB "Birthday Bash Grant" of £300 and the committee put this money to good use by organising a "free" all-day demonstration with Andrew Hall for our members and invited guests on Saturday March 11th at our headquarters at Dallinghoo.

As we had planned a very full day, the committee set up the hall on the Friday evening to allow us to spend time welcoming our members and guests on the Saturday morning. The invited guests included Colin Smith and Brian Partridge from the AWGB, Mark Baker, Editor of Woodturning magazine, representatives from local schools and the scout movement (with the intention of promoting interest within those organisations), a local councillor and business people and also officers from other local clubs.



Brian Partridge

The day started with a welcome speech and safety notes by our Chairman Dave Smith who then explained the programme for the day, the main feature of which was Andrew's full-day demonstration; two sessions in the morning and two sessions in the afternoon. This was supported by a short presentation on the early history of the AWGB by Brian Partridge during the morning session.



Colin Smith giving his presentation

was much enjoyed by the 40+ members and guests. As the saying goes, "time flies when you're having fun" and it certainly applied on that day; no sooner had we started than it seemed time to be thinking of clearing up. It was hard work, but the positive comments received from members and guests at the end of the day was very pleasing and made us think we may have got the balance about right.

Andrew's excellent demonstration consisted of a balance of skill, humour, and a lot of technical information. Everything he did was built around working safety, so well done Andrew. Both the short presentations by Brian and Colin went down very well with the members. The day was closed with some final words of thanks from the Branch Chairman.

The club certainly appeared to have achieved its aim of marking the 30th Anniversary of the AWGB with style and in a way that will be long-remembered. The AWGB is run by a

group of dedicated volunteers, many of whom I have had the pleasure of meeting at Seminars and the AGM. I know the tremendous amount of time and effort they put in for the benefit of clubs and members, so well done the AWGB committee too!

The only negative thought of the day was all of those members who missed the opportunity to celebrate this enjoyable day.



Andrew giving the audience a tune

### North Highland Woodturners Association

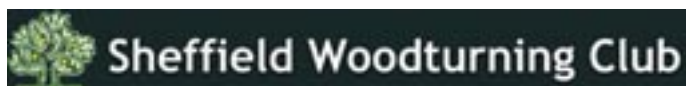
**Date: 10 June**

**Cost: Free**

**Have invited a local Scout troop to the Castletown Heritage Centre where they will be able to turn their own keyrings**

<http://www.nhwa.btck.co.uk/>

**Steve Gibson, Treasurer,  
North Highland Woodturners**



will celebrate the AWGB's 30<sup>th</sup> Birthday with a full day demonstration by

*Dutch Woodturner*

**Ronald Kanne**

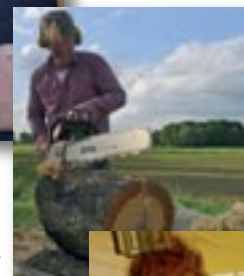
**on Saturday 24 June 2017**

The demo will take place in the old Grain Loft of the **Wood Lane Countryside Centre, Stannington, Sheffield S6 5HE**, where there is parking and good disabled access (including lifts)

The cost will be just £10 for a demo from 1000 to 1700, and includes all day refreshments and our famous home-made lunch. There will be a charity raffle.

**Admission by ticket only.**

Please contact the Secretary via [info@sheffieldwoodturningclub.org.uk](mailto:info@sheffieldwoodturningclub.org.uk) or 0794 1071316





# Make a Zoetrope

Dave Grainger



Well, you may ask, what is a Zoetrope? What does it do and what is it used for? Well, some people might regard it as a useless bit of clutter, a child's toy. But I was fascinated with it when I visited the Museum of the Moving Image in London a long time ago. There were several Zoetropes, some very elaborate with model animals, others quite simple plastic affairs with paper images that a child might purchase. Nevertheless the

principle was the same. I chose the simple theme of a running human figure.

Zoetropes were created during the 1830s. It is said that it was based on a principle discovered much earlier, and possibly in China.

A Zoetrope consists of a drum around whose perimeter has a series of evenly placed vertical slots. A series of sequenced drawings is fixed to the inner surface of the drum and when the drum is revolving, the images appear to move in sympathy with the image sequence, when viewed through the moving slots. It's really a trickery of the eyes and is the principle from which film and TV images are created. Rather than paper images I chose to make a moving human figure in running mode.



Showing the running figures.

The drum in this article was made from eight individual slats of Mahogany 205 mm long and 80 mm wide. The vertical edges were planed at 22.5 degrees and the assembly coopered up as an octagon. I found it

easy to glue a pair of slats at a time. After the glue has set glue two pairs and then complete the octagon. Temporarily attach a base and attach it to your chuck in the headstock and turn the octagon to a cylinder inside and out to the shape that you are happy with. You should finish with a drum inside diameter about 235mm diameter with a wall thickness of 5mm. The outside should be 245mm, give or take a smidgen.

The base plate for the now finished drum was turned from a piece of Sycamore 12mm thick 270mm dia. this will produce a rim somewhat larger than the drum. Whilst in the lathe its good to mark the perimeter of the drum in order to allow the drum to sit centrally. Do not fix the baseplate to the drum yet. At this stage carefully cut eight evenly placed vertical slots, I found it best to mark and drill 10mm holes around the drum about half way down it's height, and carefully saw

into the holes from the upper edge of the drum with a fine tenon saw leaving the slots 10mm wide.

The stand with it's top plate is made from scrap pieces of Sycamore again to the shape that pleases you. The upright is 150mm high and the upper and lower plates 145mm diameter.



Fixing the lazy susan through a hole in the stand

Fixing the Lazy Susan bearing - these can be obtained from most craft stockists. Screw the bearing centrally to the upper portion of the stand. Now the tricky bit screwing the completed stand unit to the underside of the

drum base. This is achieved through a hole drilled half way between the screw holes in the underside of the upper part of the base. A screwdriver inserted through the hole, with the drum partly rotated will easily reach the holes for the screws in the underside of the drum's baseplate.

Now the interesting bit, the figures. I purchased an artists flexible wooden model. It's a tool or guide which allows an artist to proportion the human anatomy. Again I used Sycamore which contrasts nicely with the Mahogany. Eight figures were made half the size of the model. Fifteen individual body parts for each figure are needed. As the figures were to be fixed permanently, I omitted the joints at the elbows and knees and glued the limbs and head to the torso. Each figure following a sequenced running position. I used CA glue with an activator because of it's fast curing time. (Make certain that you use rubber gloves)



The model

The finished figures were attached to the inner face of the baseboard, each figure facing the same direction of course. The baseboard with it's moving figures was finally glued and screwed to the underside of the drum.

Give it a spin and have some fun, your children will love it. I enjoyed making it.



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## Demonstrator Training and Tutor Assessment

The Tutor Assessments continue to be popular with a steady stream of members being assessed.

On 10th June we are holding a Tutor Assessment day at the Max Carey Trust in Portishead, Bristol. It is the first time we have set a date and venue for members to apply for assessment, it has proved very popular and at the beginning of May, as I write this 11 of the 12 places have been filled. I have already spoken to Stuart Bradfield with regards to organising another assessment day at this venue later in the year. I will also be looking for other venues around the country that would be suitable, with two or three lathes available and facilities for our needs. If members or clubs have any ideas let me or Peter Bradwick know and we will follow it up.

There are a couple of members I have not been able to accommodate so far, mainly due to the area they live and other members not applying in those areas. I continue to try and arrange a suitable venue for them.

The Demonstrator Training Courses are still being applied for. At present there are members in Huddersfield and Woodbury, Devon ready for the course, along with members in Bracknell, Bucks. awaiting other members in that area to apply.

Unfortunately due to a lack of trained volunteers to tutor the courses things are not moving forward as we would have hoped, and I apologise for this. We have had a number of members respond to our call for more volunteers and hope to train some of these to become tutors. If there are any other competent turners who would be interested in helping us with this around the country, please contact Peter Bradwick or myself. We hope that by the end of May or middle of June dates would have been set for Huddersfield and Woodbury.

If you are interested in either Demonstrator Training or being assessed as a Tutor please fill in the form which you can find on the AWGB website. If you are unable to do this, contact me and I will post a form to you so that you can apply by post.

**John Montgomery**

**Demonstrator Training & Tutor Assessment Coordinator**

**e-mail [johnmontgomery@awgb.co.uk](mailto:johnmontgomery@awgb.co.uk)**

**Tel: 01752 894083**

## Southwest Representative Report

**John Montgomery**

Since the last issue of Revolutions the 30th Birthday events and shows have continued.

I attended Yandles Spring Show with the AWGB stand and exhibition, and this time we were in the Mill building but members found us, normally after looking in the marquee where we have been for a number of years. Members from Burcot club along with those from Wales and the Southwest came to the stand, as well as members from further afield. There were a lot of enquiries on the whereabouts of clubs from people interested in taking up the craft.

I attended Axminster Woodturners birthday event. They had flown over Glenn Lucas from Ireland for the day. It was very

well attended, with the main event being a demonstration by Glenn including a competition with some very good prizes.

I attended the AWGB AGM and would like to thank those clubs who supported me in carrying on in the position of Southwest rep.

There are another 7 clubs with birthday events in my area and I hope to attend as many as possible, depending on other AWGB events that I need to attend. The next show I attend will be Yandles 8th & 9th September show, followed by RHS Rosemoor in Torrington, North Devon on the 13th, 14th & 15th October and the woodworking show at Westpoint Arena, Exeter on the 27th & 28th October. This show is in its second year at this venue, very near the M5 motorway with plenty of parking. Looking at the turners booked for the show makes it worth a visit. For these shows the AWGB stand will be exhibiting the new pieces as a result of the AWGB competition.

Do look on the AWGB diary page on the website and come along and support all these events, we will be pleased to see you and discuss AWGB and woodturning in general.

We have been informed that the wife of John Johnson, Maureen, passed away in April after a long illness. John has been a member of the AWGB for many years and demonstrated at more clubs than he can remember and Maureen was always with him on his travels. Our commiserations go to John and his family at this sad time.

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# Axminster Woodturner's AWGB Birthday Bash

## Barrie Golding

On March 4th we had Glenn Lucas from Ireland to demonstrate at our club to commemorate the Anniversary of the AWGB. We used the grant that the AWGB gave us to help with costs in bringing him over and paying any other incidentals. Our hall can only take a maximum of seventy people, which meant that we were able to offer around 20 places to other clubs in the area of the South West, we could have sold out a couple of times such was the demand. We felt especially privileged in getting Glenn over here as it was his only date in the UK this year. He turned out to be a marvelous guest and a thoroughly entertaining demonstrator.



The day started early on Saturday, most of the setup was done on the Friday night, people started to arrive well before nine for a 10am start. We prayed for a dry day as parking was in an adjacent field, we had a tractor on standby, that part of the plan went well. We supplied coffee and tea throughout the day, woodturners love to talk a lot, and a very hearty beef stew with crusty bread at lunch time.

Glenn's programme started with the Viking bowl that was found under the streets of Dublin, he followed that up with a traditional Irish platter, a utility bowl and an insight into the sharpening techniques he uses. The day went very quickly and all the hard work done by the members of the club was well rewarded with a great day enjoyed by all. Glenn was entertained that evening by a few club members at a local hostelry where he could unwind after the barrage of questions and the non stop talking of the day. An event like this at a small club cannot happen without the commitment



of its members, all of which supported the meeting in some way or another. Axminster tools were very generous donating an Evolution chuck and some C Jaws for the raffle, Glenn also gave one of his completed bowls to the cause as well as some DVDs, it made selling the tickets very easy indeed.



Glenn flew home on the Sunday morning with a tough week ahead of him and then a tour of Australia and New Zealand.

A small group of us are planning a trip to Ireland to take part in one of Glenn's master classes sometime in 2018. We will try to pull off one of these days each year now we have an appetite for it and know we have the organisation to do it. It will be harder without the grant but possible if we use British based turners. This was a special one off for the AWGB 30th Birthday Bash celebration.



# Your Vision.

# Our Tools.

*"I really enjoyed using the new Merlin2. It runs smoother and cooler as it draws more air through the body of the unit. The new switch design and variable speed make the tool a pleasure to use.*

*The heavy duty guard and the variety of the easily changed attachments available make Merlin2 a must-have tool for any woodcarving enthusiast or woodturning artist/sculptor."*

**- NICK AGAR**

Internationally renowned woodsculptor and turner Nick Agar recently tested the new Merlin2 variable speed miniature angle grinder.

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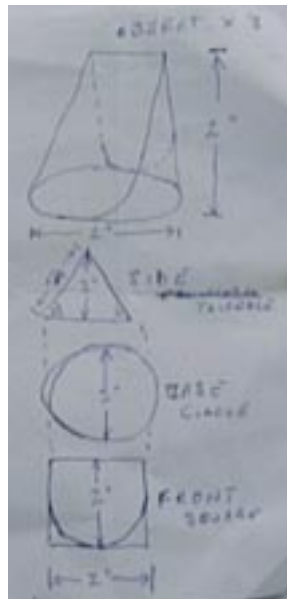


# A Shape Sorter

**Ron Davis**

Last month a gentleman brought in a request to the Bury St Edmunds Woodturning Club, for someone to make a shape sorter for a family member. I agreed to do it and this is how I went about it.

All I had to go on was this scrap of paper.



My first step was to make a proper drawing.

I decided to cut the angles first, and I used the chop saw for this. I also decided that I would keep the blank square for as long as possible, to make life easier when getting the correct angles.



The blocks are there to keep the wood accurately positioned, and to keep my fingers well away from the blade.



I cut the two angles, and because I was unable to accurately set them on the chop saw, I needed a little fine-tuning with the plane.

I then compared them with the drawing.



Regular readers will remember that I bought a Planet Rotating Centre, and this time I made a block with a 'vee' cut to support the tailstock end whilst turning.



I turned the end to the required size and parted off.

I sanded the end with my patented sanding jig. I then went on to make the other two.



Finished? Not quite, having applied hard wax oil, I brought it in the house for a few days, and the blocks no longer fit and the finger joints stand proud, because the wood dried a little and shrunk!



All was well by club night when I passed them on to the man who asked for them to be made.







*An invitation to*



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\*Association of Woodturners of Great Britain

# A Generous AWGB Grant Helps Club to Relocate

Gordon Malan



Ryedale Woodturners watch a demonstration in Snainton Village Hall - the Club's spacious new venue

Snainton Woodturning Club has had to change its venue for meetings, which now take place in Snainton Village Hall. Accordingly, from 2 February 2017, the club has changed its name to Ryedale Woodturners. The catchment area of the club attracts those in the North Yorkshire area between Scarborough in the east, York in the west, Driffield in the south, and other members live north of Whitby; the club has nearly 50 members.

The club holds monthly meetings at 19:30 hr on the first Thursday of each month, when an external professional demonstrator is usually invited to show their skills. Previously, the club had used the same commercial premises for many years, along with a demonstration lathe already on these premises. Last year the club was given a year's notice to quit, so the club had to find new premises, and purchase a lathe and other essential equipment to continue its activities.

Our club Secretary, Malcolm Dayson, quickly found alternative accommodation in Snainton Village Hall, about quarter of a mile from our previous venue. It was established that space to store the lathe and other equipment was available, kitchen facilities were first class, and the hire price of the hall was equivalent to what we had been paying previously.

The club Committee pooled their expertise, and the advice of our professional turner and Committee Member, David Lowe RPT, was sought. While a small lathe is easier to handle and store, the advice was to buy a full-size lathe on which both small and large objects might be turned. We also needed a vacuum extraction system and chuck package for the lathe. Our club savings were limited, but they would allow us to pay half the cost, if a grant could be obtained for the other half.

The Committee agreed that it would be appropriate to apply for a grant for half the equipment cost. The AWGB form was completed, agreed, and submitted, asking for a grant of £1,150. The AWGB Chairman, Dave Atkinson, had a long telephone conversation with the club Chairman, Gordon Malan, in which he questioned various aspects of our application. The AWGB Grant Committee then recommended that the application be accepted, and it was referred to the Trustees, as the amount requested was greater than £1,000.

When we were told that the grant had been approved, and the money was transferred, the new equipment was purchased. (The club Constitution has now been modified to ensure that the equipment is offered back to the AWGB for redistribution, should our club cease to exist). We purchased a Nova DVR lathe with a cast-iron leg stand, with a Record Power SC4 Chuck package and a CamVac Dust Extractor with hoses.

The lathe weighs 104 kg, so moving it from its storage position into the hall needed some thought. A few of the committee members (John Whiteley and Malcolm Dayson, assisted by Lance Garrard) made two platforms, each with four castors ('dollys'), onto which the heavy lathe is easily lifted, one end at a time (see picture, below). When the dollys are removed, the lathe stands at the correct height for the turner to use. A bright light-fitting and a holder for the extraction hose were also made by John Whiteley.



At the start of our first meeting in the new venue, the club members were reminded that the lathe and other equipment had been purchased with the assistance of a very generous grant from the AWGB, for which the club is extremely grateful: the Members present showed their appreciation at the AWGB's generosity. At least six club members present are already members of the AWGB. The Chairman summarised the advantage of being AWGB members, which included a variety of high quality training courses, a quarterly magazine (which was on display), and a biannual International Woodturning Seminar: he encouraged club members to consider joining the AWGB, which some Members committed to do.



The club Treasurer, Bob Ingram, then gave details of a Scouting event in April (see image above, while Dave Lowe looks on, leaning on the club's new lathe). The club has been invited to demonstrate woodturning to scouts in the Wolds & Coast Scout District, covering the Bridlington and Driffield areas, to give them some safety instruction and hands-on woodturning experience. A number of club members agreed



to participate and help, and offers of three or four lathes to use at this event have been received.

David Lowe RPT was the first professional to demonstrate to the club this year, and he used the new lathe to turn bowls. During the evening, he demonstrated some 24 of the amazing variety of different finishes that can be purchased, and which are available for finishing, waxing, polishing or decorating turned items. The first meeting in our new premises was deemed to be a huge success by the thirty or so club members who attended.

Pictures, below: Dave Lowe prepares to turn a bowl on the Club's new Nova lathe; the second picture shows the lathe in use.



Some of the bowls and different types of finish used by Dave Lowe.



The image above is a platter in yew, polished with buffing wheels using Tripoli, White Diamond and Carnauba waxes.

The image below compares an elm burr bowl (left), treated with Citrus Oil then one coat of Finishing Oil, while the bowl on the right was finished with four coats of Finishing Oil.




The image below shows a bowl on which the outer rim was sprayed with ebonising lacquer, sealed, then gold and copper Buffit® waxes were thinned with flow medium and flicked onto the rotating wood (3,000 rpm) from a stiff brush. The bowl was finished by hollowing and cutting two decorative rings into the rim.



Ryedale Woodturners wish to express their thanks and indebtedness to the AWGB for providing us with a generous equipment grant that has enabled our club to continue its operations and to be a local focal point for those interested in woodturning. We will also be encouraging youngsters to learn about woodturning and perhaps take it up as a hobby.


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# The Woodcraft Association

*affiliated to the AWGB*

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**Dave Atkinson** AWGB Chairman

**Saturday, August 26th 2017 - 10 a.m. until 4 p.m.**

**Level Road Community Centre,  
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or Treasurer David Bebbington, 5 Hayfield Drive, Gresford, LL12 8YJ [davebebb@yahoo.co.uk](mailto:davebebb@yahoo.co.uk)



Club's 30<sup>th</sup> Anniversary  
Celebration

Sat 02<sup>nd</sup> Sept  
from 10:00 till 16:30



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**Saturday 12th August 2017**

Beginners  
Back to Basics

### **Andrew Hall**

5, Well Bank, Billy Row,  
Crook, County Durham  
DL15 9SP

**Saturday 19th August 2017**

Intermediate/advanced  
Corinthian Helmet and Stand

### **Dave Atkinson**

Hartington St Methodist Church  
Barrow in Furness  
LA14 5SR

**Saturday 30th September 2017**

Intermediate/advanced  
Thread Chasing

### **Paul Howard**

Mutford Community Centre,  
Mill Rd, Mutford, Suffolk  
NR34 7UR

**Saturday 7th October 2017**

Beginners  
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**To apply - visit the AWGB website: [www.awgb.co.uk](http://www.awgb.co.uk) and download an application form and send to the coordinator shown on the form.  
Or complete a 'Training Workshop Application' Web Form.  
Only fully completed application forms will be considered.**



## The West Sussex Woodturners in the Midst of Your Local Communities

Unknown to many, the West Sussex Woodturners club has been in existence for 28 years with some of the original founders still involved in the group. This quiet group of over 100 members share a passion for woodturning and quietly behind the scenes provide support, assistance and flair to a large variety of community projects. When looked at individually, much is not of special note, but when taken as a whole, the help and assistance provided to the local area is significant.



Some of the West Sussex Woodturners Members - Back from Left: Mark Blower, Chris Doyle, Stewart Furini, Ron Wicks, Ron Inglis, Tony Twine, Terry Hooper, Andy Fly, Bob Eastabrook, Nigel Meadows, Jim Harris, Dave, Nicky Millard, Chris Buque, Mark Warwick, Gerry Sharpe, Ian Rudge, Penny Chatham,

On asking the members for information on their help in the community, the reserved demeanour and desire to work behind the scenes was apparent, but once prompted, the pride in their work and their desire to help so many different causes was both amazing and so very varied.

Many of the Woodturners support their school fete's, village days and church restoration funds with raffle and tombola prizes, both personally and in the club's name, in addition to providing demonstrations or by taking a stall at the various events. The funds given to the events vary in size as expected, with one club member Ralph Beard donating in excess of £300 in one day last year, the sum of the wooden bowls he sold on the day to support St Mary's Primary School during their Village day.

Well known charities such as Cancer Research located at Worthing Hospital and St Barnabas Hospice are also generously supported with Christopher Doyle & Ron Inglis both from East Preston regularly turning and donating wooden bowls to be sold in the Cancer Research shop. They are just two of many, who provide similar items to many local charities to help them raise crucially needed funds.

In addition, The West Sussex Woodturners monthly meetings which are on the first Sunday of every month in Sullington Village Hall, follow a variety of formats. On those occasions that a professional turner is booked to give a demonstration, many of the items made are then donated to St Barnabas House, a hospice based in Worthing.

On a more unusual note, the British Sugarcraft Guild put out a request for 20 wooden pillars to be made, to re-create one of the Queens wedding cakes that was vandalised last year.

Ian Rudge, the club's chairman, took on the challenge for them and when the Sugarcraft Guild have completed the work, it will once again be on public display.



Some of the Amberley Museum Demonstration and Teaching Team:- Back from Left: Colin Smith, David Lawrence, Alan Wallington, Ray Burton, Colin Willetts, Mike Swindells, Keith Greenfield

The West Sussex Woodturners are frequently asked to take on commissions, with different members playing to their particular strengths to produce the items and in some cases working together to ensure that the product is completed in the required time. Bob Eastabrook, who is currently working with the Men's Sheds Association, is currently helping Worthing Museum by making various items, including the small spindles to decorate the top of the 'period' wardrobes that will be used to house their famous collection of period costumes. Another memorable request was that a collection platter was crafted in memory of Mr Woods for St Paul's Church in Soberton and this was made by Colin Willetts in tulipwood.

The club are always keen to demonstrate the skills required to turn a piece of wood in to a piece of art and have a volunteer team that regularly run 'kids can do' and Scouts woodturning events at Amberley Museum & Heritage Centre. In addition, Keith Greenfield, along with a team of helpers provide free woodturning demonstrations and 'have a go' events for the local Beavers, Cubs, Scouts and Brownie groups in the area. Following on from this, Keith also supplies the Montessori School in Horsham with wooden creations for the children to decorate, ranging from eggs in egg cups at Easter and Angels, Snowmen, Father Christmas and Christmas Trees at Christmas.



Bob Eastabrook fitting spindles to the wardrobes for Worthing Museum.

With a large majority of the members still having 'day jobs,' the reach and education in woodturning goes even further. Stuart Furini, a school teacher in Brighton, will often talk to his students about his hobby and will show them what can be achieved from a simple piece of wood, along with the differences in the woods, their grains and the skills required to work the wood.

The great thing about the group is that it includes



Woodturner Colin Willets making a 'mini beast' with Rowan Joy at a 'Kids can do' day

everyone with a mix of abilities. Men and women, children and grandparents are all turning and are actively and creatively involved in supporting the club and its community involvements. Allan Wallington I think summed it up best when he said "I love giving something back for our future"

If you would like to find out more about the West Sussex Woodturners, please have a look at the website <http://www.westsussexwoodturners.co.uk> or contact Ian Rudge on [wswtchairman@hotmail.com](mailto:wswtchairman@hotmail.com).



The turned pillars made by Ian Rudge for the re-creation of the Queens wedding cake



Some wood-turned Christmas ornaments

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An interchangeable scraper (ref H5187B) also available



## Kent Woodturners

### David Lewis - Secretary

We hold an Exhibition from 3rd to 11th June 2017 also one in November that runs from 4th to 19th November 2017.

The exhibitions are held each year at the North Barn at Aylesford Priory which is open to anyone to come and look at what can be made out of wood; some of the turned items are works of art. We try to recruit people into joining us at the club. The Priory is a wonderful place to visit with lots of history - you could spend a whole day there. There is ample parking, a coffee shop, which has a good restaurant. For more information visit our website [www.kentwoodturners.com](http://www.kentwoodturners.com)

## Notice

The introduction of MailChimp allows us to send out e-bulletins to keep you up to date with news and information. Any AWGB member who isn't receiving a copy (because we don't have their email address or you have changed it since registering with us) can subscribe by following the link on the front page of our website [www.awgb.co.uk](http://www.awgb.co.uk). Also ask Mike Wilson - the Membership Secretary, [membership@awgb.co.uk](mailto:membership@awgb.co.uk) to update your membership details if you wish to add or change your email address.

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# Combination Locking Box

David Springett



In the Birmingham museum's Pinto collection of Treen there is a delightful late 19th Century yew wood combination locking box. At a glance I could see that it was lathe turned having a series of rotating rings set around its barrel shaped body. Fixed upon those rings are paper alphabets so that when they are rotated and aligned a code word is spelled. This allows the top to be released and lifted from the base.

It took a little time to work out the mechanism and how to make the individual pieces but here are the basics to allow you to turn your own box.

You will need:-

For the top [blank A] [4 in] 10cm long by [2 3/8 in] 6cm square hardwood.

For the base [blank B] [4 in] 10cm long by [2 3/8 in] 6cm square hardwood.

For the 4 rings & locking ring. [4 3/4 in] 12 cm long by [2 3/8 in] 6cm square hardwood.

For the supporting plugs. [blank D] [4 3/4 in] 12cm long by [2 3/8 in] 6cm square softwood.

For the Jam chuck to hold the ring blanks [3 9/16 in] 9cm diameter by [1 1/2 in] 4cm thick softwood & [3 9/16 in] 9cm diameter by [1/4 in] 6mm thick MDF.

For the 'bullet' shaped dowels [3 in] 8cm long by [1/4 in] 6mm square hardwood.

A thin [approximately [1/8 in] 6mm] parting tool.

An undercutting tool ground from [1/4 in] 6mm wide by [1/8 in] 3mm thick HSS. See diagram 1.

Callipers.

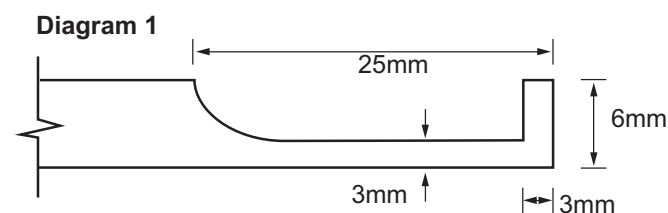
[1 in] 2.5cm & [1 3/16 in] 3cm diameter drill.

[3/32 in] 3mm drill.

Junior hacksaw.

Typist correction fluid.

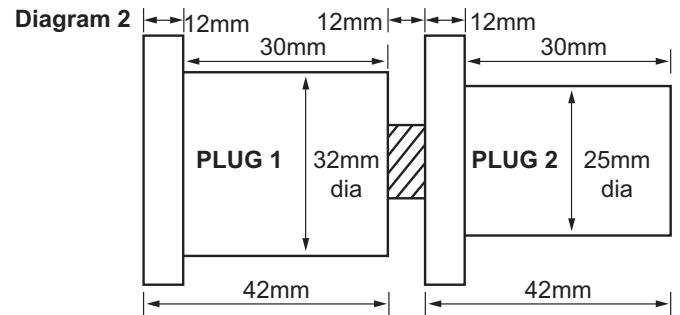
Newspaper & white PVA glue.



Dimensions for the tool ground from HSS.

## The Supporting Plugs.

Begin by turning two supporting plugs, No 1 & No 2, to the dimensions shown in diagram 2. [Photo. C 1]



Plug dimensions.



Photo. C1. Turning the supporting plug.

## The Base. [Blank B]

Set blank B between centres and turn it fully round. Remove the driving dog and fit a 4 jaw chuck at the headstock. Hold the blank firmly in the chuck making sure it runs on centre.

Set a Jacobs chuck, holding a [1 in] 2.5cm drill, in the tailstock and drill to a depth of [1 5/8 in] 4.2cm [Photo. C2]



Photo. C2. Drilling into the base blank.

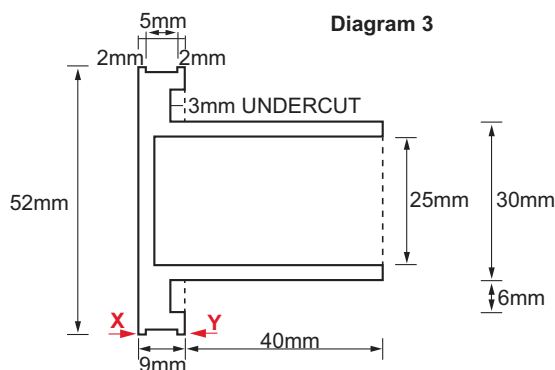
Withdraw the drill and fit supporting plug No 1 into the drilled hole. [Photo. C3] Bring the tailstock forward, with



Photo. C3. Fitting the supporting plug.

revolving centre, and press the plug into blank 1. Turn the piece to an accurate [2in] 5.2cm diameter.

From the tailstock joint line between plug & blank measure [1  $\frac{7}{8}$ in] 5cm and mark a pencil line. This is position X. [See diagram 3] Beginning at the same joint line between plug and blank, measure [1  $\frac{1}{2}$ in] 4cm towards the headstock. Mark a pencil line to locate position Y. [photo. C4]



Sizes for the base.



Photo. C4. Locating position Y on the turned blank.

Turn the area between position Y, towards the headstock, and into part of the plug to [1  $\frac{3}{16}$ in] 3cm diameter. [Photos. C5 & C6].



Photo. C5. Turn between positions X & Y.....



Photo. C6. ....to [1  $\frac{3}{16}$ in] 3cm diameter.

On the headstock side of line X, using a parting tool, turn down to about [1  $\frac{1}{2}$ in] 4cm diameter.

Between line X & Y turn a shallow, square edged recess [ $\frac{3}{16}$ in] 5mm wide by [ $\frac{1}{32}$ in] 1mm deep. See diagram 3. [Photo. C7]



Photo. C7. Turning the 'recess' in the top rim.

Using the specially shaped tool [diagram 1] undercut beneath line Y leaving a recess [ $\frac{1}{8}$ in] 3mm deep just over [1  $\frac{5}{8}$ in] 4.2cm outer diameter and flush with the [1  $\frac{1}{2}$ in] 4cm diameter of the turned section. See diagram 3. [photos. C8 & C9] Clean up and polish.



Photo. C8 & C9. Undercutting beneath line Y.



Photo. C8 & C9. Undercutting beneath line Y.

Part off on the headstock side of position X. [Photo. C10]



Photo. C10. Part off on the headstock side of line X.



Reverse the work in the lathe holding the turned plug in the chuck making sure that the turned base is running on centre. Lightly support the end of the base, with the centre, and turn it flat and true. [Photo. C11] The end may be fully turned if the base blank is held on the plug with a temporary fixing using hot melt glue. [Photo. C12] Sand and polish then loosen the hot melt glue, with a short blast in the microwave, to release the base from the plug. [Photo. C13]



Photo. C11. Support the base whilst partially turning the end flat.



Photo. C12. Finish turning the end face of the base.



Photo. C13. Loosen the hot melt glue to release the work from the supporting plug.

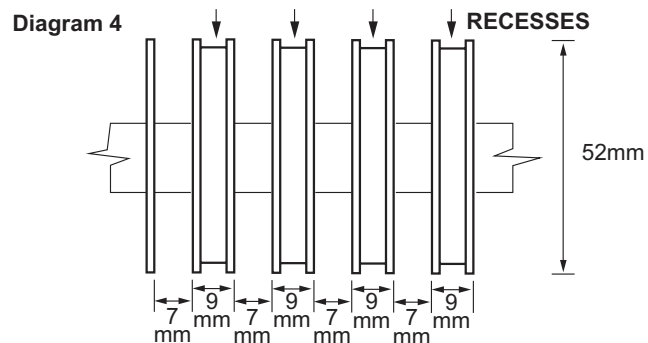
## The Rings.

Take the 'Rings' blank, [4 3/4in] 12cm by [2 3/8in] 6cm square, and set it between centres turning fully round to a clean, precise [2in] 5.2cm diameter. Now hold the blank in the chuck supporting the tailstock end with a revolving centre.

Mark out the 4 rings and the locking ring blank according to diagram 4. Using a fine parting tool, held at 90 degrees to the work, turn the [5/16in] 8mm wide sections down to approximately [1 1/4in] 3.3cm diameter.

Into each of the four [3/8in] 9mm wide rings turn a shallow [3/16in] 5mm wide by [1/32in] 1mm deep square edged recess. See diagram 4. [Photo. C14]

Part off each of the ring blanks and the [1/8in] 3mm wide locking ring blank. [Photo. C15]



Dimensions for the 4 rings, & locking ring, set out on the blank.



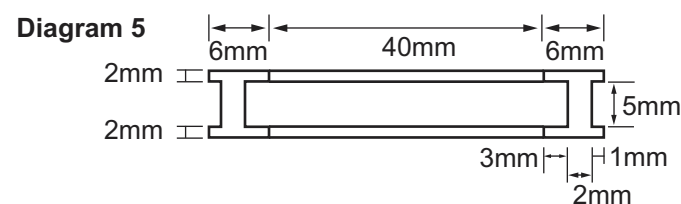
Photo. C14. Turning the recesses on the ring blanks.



Photo. C15. The 4 part turned ring blanks.

## Preparing the Jam Chuck to hold the rings.

The next stage is to make the simple jam chuck, with collar, to hold the rings so that the internal shaping may turned. [See diagram 5]



Ring dimensions.

Hold the [3 1/16in] 9cm diameter blank between centres so that a small tenon can be turned on the headstock side. [Photo. C16] This tenon will be gripped in the 4 jaw chuck allowing a [2in] 5.2cm diameter by, just under, [3/8in] 9mm deep recess to be turned in its face. Check that the ring blanks are a good fit. [Photo. C17] To accommodate any excess on the parted off face of the ring blank turn a smaller well in the base of the recess about [1 3/4in] 4.5cm diameter by [1/8in] 6mm deep. Drill out 2 'finger' holes on the edge of the recess so that the ring blanks can be removed as seen in photo. C18.



Photo. C16. Preparing the 'chuck' to hold the rings.



Photo. C17. Checking a ring for fit in the 'chuck'.



Photo. C18. Note the finger holes allowing the ring blank to be released.

Take the MDF collar and drill 4 equally spaced screw holes on a [3 3/4in] 9.5cm diameter. Mount it centrally onto the jam chuck, turn the edges clean and mark a datum across the collar and the softwood 'chuck' so that it can be accurately replaced. [Photo. C19]



Photo. C19. Note the datum on the collar and on the 'chuck' body.

Turn through the collar at a diameter of [1 1/8in] 4cm. [Photo. C20]

For extra grip use double sided Sellotape to fix small pieces of fine glass paper to the under side of the collar.



Photo. C20. Turning through the MDF collar and into the void.

Take each ring in turn. Push the ring into the jam chuck then fit the collar, with the datum aligned, which will hold the ring firmly in place.

Mark a [1 1/2in] 4cm pencil circle concentrically upon the rings face. Turn away the majority of the wood inside that marked pencil circle taking care when breaking through. Use a fine parting tool to turn the inside to a precise [1 1/2in] 4cm diameter making sure that the cut edge is square to the surface. [Photo. C21]



Photo. C21. Turning the inner hollow of the ring blank.

Take the specially ground tool and mark a position on its blade [1/8in] 3mm away from the cutting edge. [Photo. C22]



Photo. C22. Turning the undercut in the rings with the specially shaped tool.



Photo. C23. The first ring.





## Turning the 'Top'. [Blank A.]

**Diagram 6**

Diagram 6 shows a stepped profile with the following dimensions:

- Total height: 40mm
- Total width: 55mm approx
- Top horizontal edge: 1mm
- Main body width: 42mm approx
- Main body height: 32mm
- Bottom horizontal edge: 1.5mm
- Left vertical edge: 2mm
- Right vertical edge: 34mm
- Bottom horizontal edge: 5mm

The profile is labeled with 'Z' and 'Q' at the bottom left corner.

Remove the drill and fit the prepared plug into the drilled hole. Bring the centre up for support. [Photo. C25]



Measure from the joint line, between plug and blank [1 ¾in] 4.5cm towards the headstock, and mark a pencil line. This will be line Q. From line Q towards, the headstock, measure [¾in] 9mm and mark line Z. Turn the area between line Q and, partially into, the plug down to an accurate [1 7/16in] 3.7cm diameter. [Photo. C26] Temporarily remove the plug and test a ring upon this turned part. Turn until the rings are a relatively easy fit.



tightly. Mark the position on the turned part where the stack of 4 finishes. Add [ $\frac{1}{16}$ in] 1.5mm for the locking ring [joint part only] then add a further [ $\frac{1}{16}$ in] 1.5mm for movement between the parts. If all the parts are accurately made then this will add up to about [ $1\frac{13}{24}$ in] 3.9cm. Carefully turn off at this point.

At the joint line between the plug and workpiece turn [into the workpiece] a [ $\frac{1}{16}$ in] 1mm wide by [ $1\frac{5}{16}$ in] 3.4cm diameter step upon which the locking collar will fit. [Photo. C29 & C30]

25

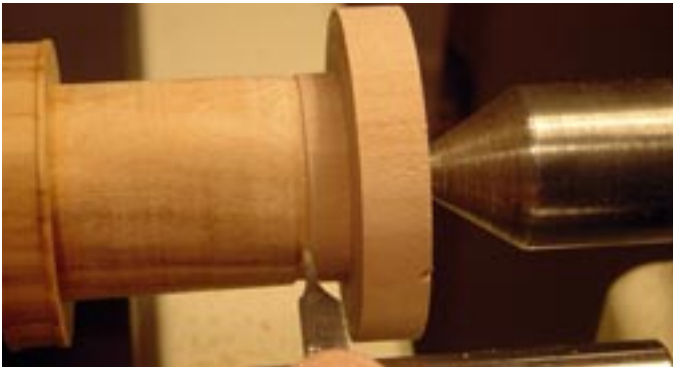


Photo. C29 & 30. The step is turned upon which the locking collar will fit.



Photo. C33. When the end has been turned sand and polish.



Photo. C29 & 30. The step is turned upon which the locking collar will fit.



Photo. C34. Cutting the slot in the body of the 'top'.



Photo. C31. Parting off the part finished 'top'.



Photo. C35. The finished slot.



Photo. C32. Temporarily hot melt glue the 'top' to the supporting plug.

C33] A quick blast in the microwave will loosen the hot melt glue allowing the top and blank to be separated.

### Cutting the Slot in the 'Top' Body.

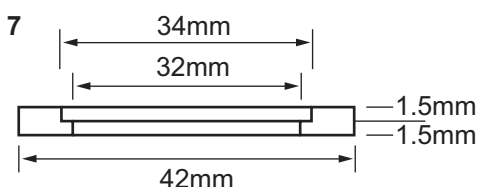
Mark a vertical line on the outer edge of the [1 1/2in] 3.7cm diameter part of the 'top'. Draw a second line parallel to the first but [1/4in] 6mm away. Using a fine toothed saw carefully cut down these lines stopping before the the saw contacts the turned collar. [Photo. C34] Remove the waste wood between the two saw cut lines and clean up with fine files. [Photo. C35]

### Turning the Locking Ring.

The locking ring blank [part of the ring blank in diagram 4] is mounted securely on a simple wood faceplate using a newspaper and glue fixing. [Photo. C36] Turn to the dimensions shown in diagram 7. Test the 'top' recess against the locking ring until a satisfactory fit is achieved. [Photo. C37]

Very carefully split the newspaper/glue joint to release the completed locking ring [Photo. C38] and clean off the residual newspaper/glue.

Diagram 7



Sizes for the locking ring.

### Turning the 4 Bullet shaped Pins.

Take the [3in] 8cm long by [1/4in] 6mm square blank and from it turn 4 bullet shaped pins each [5/16in] 8mm long. The first [1/8in] 3mm part of the pin is turned to [3/32in] 2.5cm diameter tenon the remaining part is turned to [1/8in] 3mm diameter and rounded over at the top. [Photo. C39]





Photo. C36. The locking ring blank is held on a 'newspaper/glue' chuck.



Photo. C37. Test the 'top' recess onto the part turned locking ring.



Photo. C38. With great care split the newspaper/glue joint holding the finished locking ring.



Photo. C39. Turning the bullet shaped pins.

### Fitting the Bullet shaped Pins into the Turned Base.

Mark a vertical pencil line down the outside of the turned base from the drilled end to the collar. 4 positions are to be marked on that line to locating where the 'bullet' pins are to be fitted. From the top [the drilled end] of this line measure down  $\frac{1}{4}$ in [6mm] marking that position. Again from the top measure down  $\frac{9}{16}$ in 1.5cm and mark that position. From the top measure down  $\frac{5}{16}$ in 2.4cm and from the top

measure down  $1\frac{5}{16}$ in 3.3cm marking both those positions. At each of those 4 positions, using a fine point bradawl, make an indent.

At each of the marked positions drill through using a  $\frac{3}{32}$ in 2.5mm drill. If the turned supporting wood plug is pushed into the  $1\frac{1}{2}$ in 2.5cm drilled hole in the 'top' it will support the inside of the hole preventing break out.

Carefully glue the 'bullet' pins into the drilled holes. [Photo. C40].



Photo. C40. Glue the bullet shaped pins in place.

### Cutting the Slots in the Rings & the Locking Ring.

Hold each ring, in turn, in a vice. Mark in pencil a  $\frac{1}{4}$ in 6mm wide gap on the inner edge of the ring. Take a junior hacksaw and remove the blade. Slip the blade through the ring and then refit the blade in the hacksaw frame. Saw down on the inside of the marked lines to a depth of  $\frac{1}{4}$ in 3mm. [Photo. C41] Remove the hacksaw and carefully clean out the waste wood between the two saw cuts. Clean up with fine files. [Photo. C42]



Photo. C41. With great care saw the slots in the rings.



Photo. C42. All 4 rings with slots cut.

Carefully cut a  $\frac{1}{4}$ in 6mm gap in the locking ring to match those on the 4 rings. [Photo. C43]



Photo. C43. The locking ring with its slot.

## Preparing and fitting the 'Alphabet Strips.

To determine the circumference of the recess in the rings cut a strip of paper about  $[7 \frac{1}{2}\text{in}]$  19cm long by  $[\frac{3}{16}\text{in}]$  5mm wide. Wrap it around one of the rings measuring the actual circumference. Note this measurement [Photo. C44] It will be about  $[6 \frac{1}{4}\text{in}]$  16cm. Use your computer to set out 6 lines of alphabet of the correct length. Having checked the recess of the rings cut six strips about  $[\frac{3}{16}\text{in}]$  5mm wide. [Photo. C45] Leave extra blank paper at the start but trim Z close. This overlap will cover any possible gap.



Photo. C44. Check the circumference of the ring recess with a thin strip of paper.



Photo. C45. Cutting the six Alphabet strips.

Decide on a 6 letter code...in this case it is ROBINS. Begin with the recess on the top part of the locking box fitting the first letter R in line with the cut slot and the correct way up.[Photo. C46] Glue it in place slowly wrapping the strip around the recess.

Take the next ring and glue an alphabet strip in place with O in line with the cut out section. [Photo. C47] Continue with the other rings gluing the correct letter in line with the cut out section. The final strip is set so that the letter S is in line with the bullet pins. [Photo. C48]



Photo. C46. Make sure that you fix the correct start letter of your code opposite the 'top's' slot



Photo. C47. In my example the letter O is fixed opposite the slot in one of the rings.



Photo. C48. All the parts waiting to be assembled.

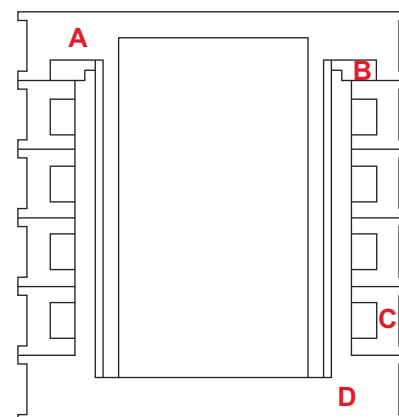


Diagram 8

- A TOP**
- B LOCKING RING**
- C RINGS**
- D BASE**

A cross-section through the combination locking box.

Push the rings onto the top part making sure the letters are in the correct order. Check that all gaps in the rings line up and test the base in place. Now is the time to make any adjustments.





Photo. C49. Finally gluing the locking ring in place.

When you are happy that all works well remove the base and carefully glue the locking ring onto the end of the top part [Photo. C49] making sure that the cut out on the locking ring aligns with the cut slot in the top section and avoid glue squeeze out.



Photo. C50. The opened box.

Leave to dry and the box is ready to be tested. Good luck, for if you forget your code it's a million to one chance of opening it.

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 Weekend Ticket £22*

**More information from Grampian Woodturners:** Please note that there will be tickets for the demo available at the door during the demo weekend, for those travelling any distance, at a cost of £22 (which includes entrance on both days). Craibstone Agricultural College lecture theatre is located on the North-West side of the city - close to Aberdeen (Dyce) airport turn off on the A96 road. There will be direction signs, placed close to the entrance to the campus, for visitors unfamiliar with the area or the venue.

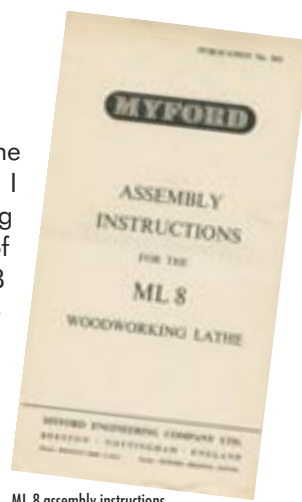
Hotel accommodation should be available nearby at Aberdeen (Dyce) airport - I think there are about 8 hotels scattered around the Airport for visitors to choose from, and at different price levels. These hotels are approximately 2 miles and 7 minutes travel time by car from the Craibstone Agricultural College lecture theatre, where the demo is taking place.

The demos take place between 10:00 am and 4:00 pm on both days, with tea breaks morning and afternoon, and a lunch break (but take your own packed lunch). All visitors are most welcome.

## The ML8 Saga

### Stewart Smith

Following on from my article in the December Revolutions No. 119. I soon found that the rear turning attachment limited the diameter of possible turned articles to about 8 inches. This led to my immediate frustration. Having worked in senior site management in the building industry for over forty years I had accumulated a substantial collection of rare timbers, much of which is still waiting to be used.



ML 8 assembly instructions

Firstly two pieces of best English quarter sawn Oak 14 1/2" across showing in excess of eighty annular rings caused me to read up, design, have made, and fix a gap bed consisting of 1" x 1" mild steel angle with welded joints, bolted both to the ground and to the lathe cabinet allowing larger work to be done. The correspondence with Myford at the time was unhelpful. It was pointed out to me that the ML8 lathe and its accessories was a small sideline in their large scale production of high precision grinding machines and equipment for international engineering clients, and no thought had been given to the lathe being used for other than what their own sales brochure said. Correspondence with two other well known engineering firms also drew negative comment.

Secondly to achieve the gratifying satisfaction that potters

obviously draw from their hands on shaping use of their slow turning wheels I had always realised that a big reduction in the rpm, and the rim speeds of larger diameter pieces would be necessary, and of course much safer. The cutting of wood with sharp tools whether by plane, saw, chisel, scraper is a slow process. To effect the reduction a countershaft was introduced between the motor drive and the four speed lathe head, and the 1/3rd. h.p. electric motor obtained with the lathe changed for a new 1/2 h.p. constantly rated one. The 1425 rpm of the motor thus being slowed to 356 at the faceplate. Whilst manageable for the 14" – 15" and smaller pieces experience created the desire for still slower rim speeds. Despite numerous enquiries over these ensuing years no interest, comparable experience, or useful comment has been forthcoming: hence the present research as to how to attain much slower faceplate rpm. The design of a countershaft to be interchangeable with the existing one is off the drawing board, and the obtaining of the necessary pulleys, spindles etc, has begun. The introduction of slip-belt clutch arrangement to go with the new countershaft is now being studied.

## Broadlands Woodturners

Will all members please note that Broadland Woodturners are moving. As of May 11th 2017 we will meet in Martham Village Hall, White Street, Martham, NR29 4PG on the SECOND THURSDAY of the month at 7.00pm. Any member that wants to "turn up" will be made very welcome. Please contact Jon Simpson (Club Secretary) for further details, my contact details are on the AWGB web site.

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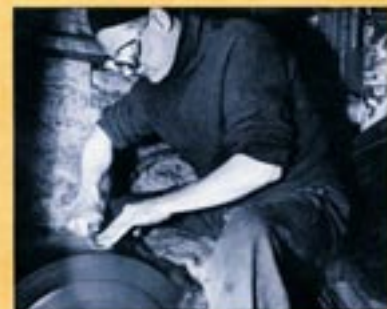
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