September 2022

Crosscut

◄ **Oval boxes made by Poena Coetzee .**

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Next Turners' Meeting on **Monday, the 5th September 2022** – from 18h00 at **Made in Workshop** – Trevor will demonstrate making a spoon using the lathe to turn the handle.
Wood of the Month: Blue Guarri

Next Cabinet makers / Main club meeting – Wednesday, the 14th September 2022 – from 18h00 at **Made in Workshop** – Keith Potter will talk about working in the shopfitting industry and his own woodworking using hand tools.

News

Turners' meeting. Monday, the 1st August 2022 – from 18h00 at **Made in Workshop** – Poena Coetzee demonstrated making a small box using off-centre spindle turning.

To make an oval box such as the ones at the top of the page, four centres at the ends are used.

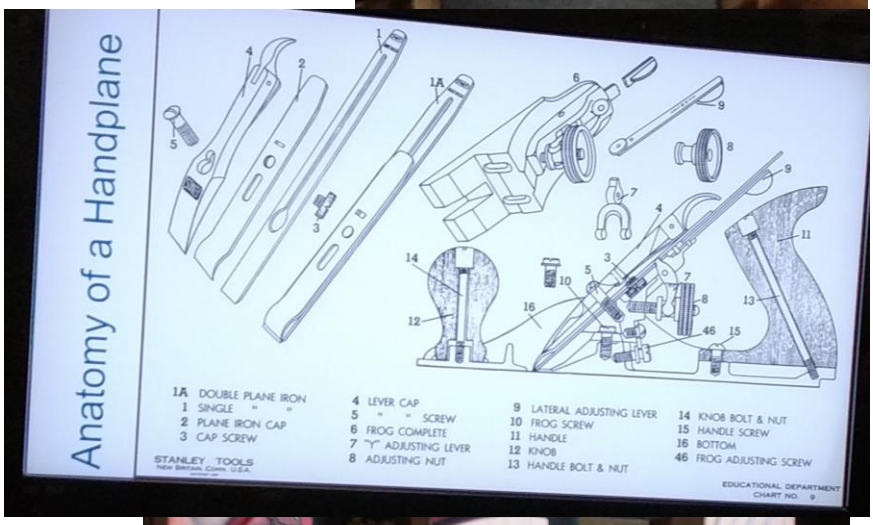
If the centres are offset as shown in the diagram below, the spiral effect is created as shown in the boxes on the right. Poena explained the sequence of stages, starting with hollowing the inside and making the top and bottom, before turning the outside shape.

Wood of the Month – African Rosewood. Chris van Heeswijk explained that most rosewoods are Dalbergia species, however African Rosewood has the botanical name of Guibourtia Coleosperma. It is also known as Bubinga, Copalwood or Groot Fals Mopane. It has a characteristic pinkish colour with a distinctive grain. It is found in the northern parts of southern Africa in the Kalahari sand areas. The picture is from Wikipedia.

Main Club meeting, Wednesday, the 10th August 2022 Mike Aldous gave an introductory talk about hand planes. Mike gave some background on the use of hand-planes. These have been documented in use in Pompei about 2000 years ago and have been in use ever since. They remain an important part of the tool kit of present-day woodworkers. Mike gave some background on the commonly used Bailey pattern planes that are widely used today. Leonard Bailey's patent

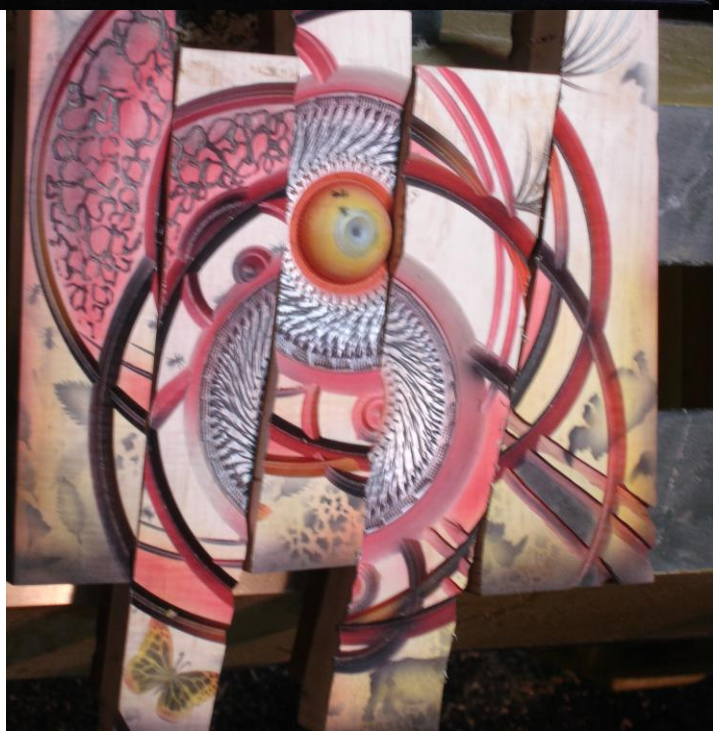
(from which the Stanley Bailey brand name comes), was granted in 1869, over 150 years ago, and the cast iron plane designs have remained essentially unchanged since then. Production volumes of Bailey pattern planes worldwide are estimated at between 300 and 400 million, so they are widely available. Mike detailed the geometry of a number 4 plane and the function of all the parts. He explained the principles of operation and how to set a plane up to work correctly. He explained that older planes are generally good buys. High end modern makes such as Veritas and Lie Nielsen and others remain good buys. He said that caution is needed when buying cheap new planes, as some of these have design and manufacturing flaws that prevent them from working properly. (This has been documented in past newsletters.)

. The photo on the right shows Mike holding a Norris infill smoothing plane – this design was mostly superseded by the Bailey pattern planes. The components of the Bailey pattern are shown in the diagram on the right.



AWSA Annual Symposium – 2022.
Not much has been finalised since the last newsletter. It is likely that the symposium will start on Friday, the 7th of October and end on Sunday, the 9th October. There will be a gala dinner on Saturday, the 8th October.
Accommodation will be available at the school for those that don't wish to travel each day, and will be very reasonably priced. There is lots of other accommodation close to the school as well.
The symposium will take place at the New Hope School. If you have a topic that you would like present and / or demonstrate, please let any of the AWSA committee members know.
(Also, if you know of a person / topic you would like to see, please share it with us and let us know if they need some encouragement too.)

The wall sculpture was created Nick Agar at the 2019 AWSA symposium at the Wilderness Hotel, Wilderness, near George in the Western Cape.



Schedule for Regular Events at Made in Workshop

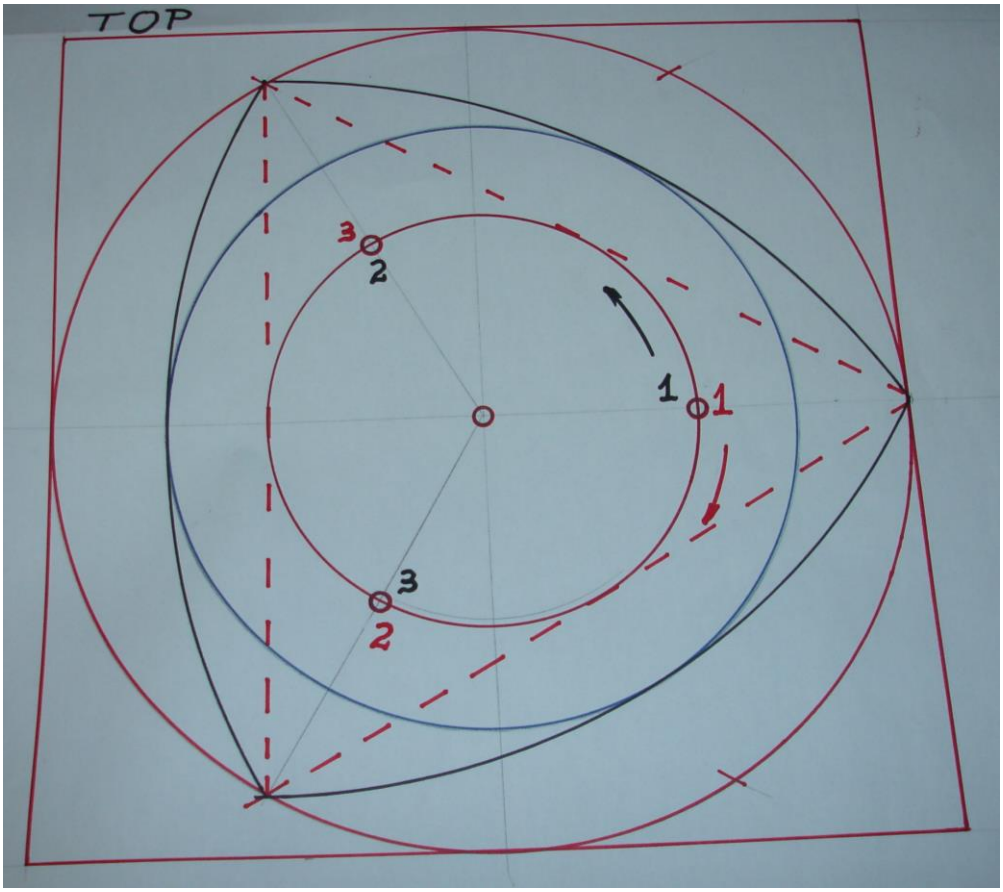
1. Second Saturday of month at 9h00 - Herman – all things turning related – 083 631 0501 hermanpotgieteresq AT gmail.com

This list is subject to change, so please consult your *Crosscut* each month.

Show & Tell meetings are held at Hardware Centre every Friday Morning at 09:30. All members welcome. Contact Eugene on 0824953394 or eugene@antlerfin.co.za

Ken's Saturday Workshop. Ken Bullivant holds a Saturday workshop at his house in Boksburg. The location is 13 Franklin Avenue, Comet, Boksburg on the first Saturday of the month from 09:00 to 12:00. They decide on an annual project and work throughout the year making it. Individual projects are discussed and problems solved. Ken also offers private lessons too. Contact Ken on 082 809 0020 if you wish to take part.

Off-centre boxes



This is the diagram Poena used to explain the locations of the centres on the opposite ends of the cylindrical work-piece. The outer red circle shows the starting cylinder. The black arcs show the outside triangular surface, The blue circle shows the maximum diameter of the internal hollow. The red circle shows locations of the centres. The bigger the red circle diameter, the flatter the triangle sides. To construct this diagram on the end of your work piece, you will need to recall some school geometry and compass work.

To turn a triangular box, use the same centres at each end. You set both centres to #1 and turn the opposite radius, followed by both to #2 and finally both to #3.

However, if you wish to make triangular box with a spiral, as shown in the picture below, then different centres need to be set at each end. For the first radius, set the headstock end to #1 and the tailstock end to #2. Then for the second radius, set to #2 and #3, and lastly set to #3 and #1.

Turning the offset cylinders is difficult, as you will mostly be turning fresh air. With an interrupted cut, the usual way of riding the bevel to get a smooth cylinder is much more difficult.