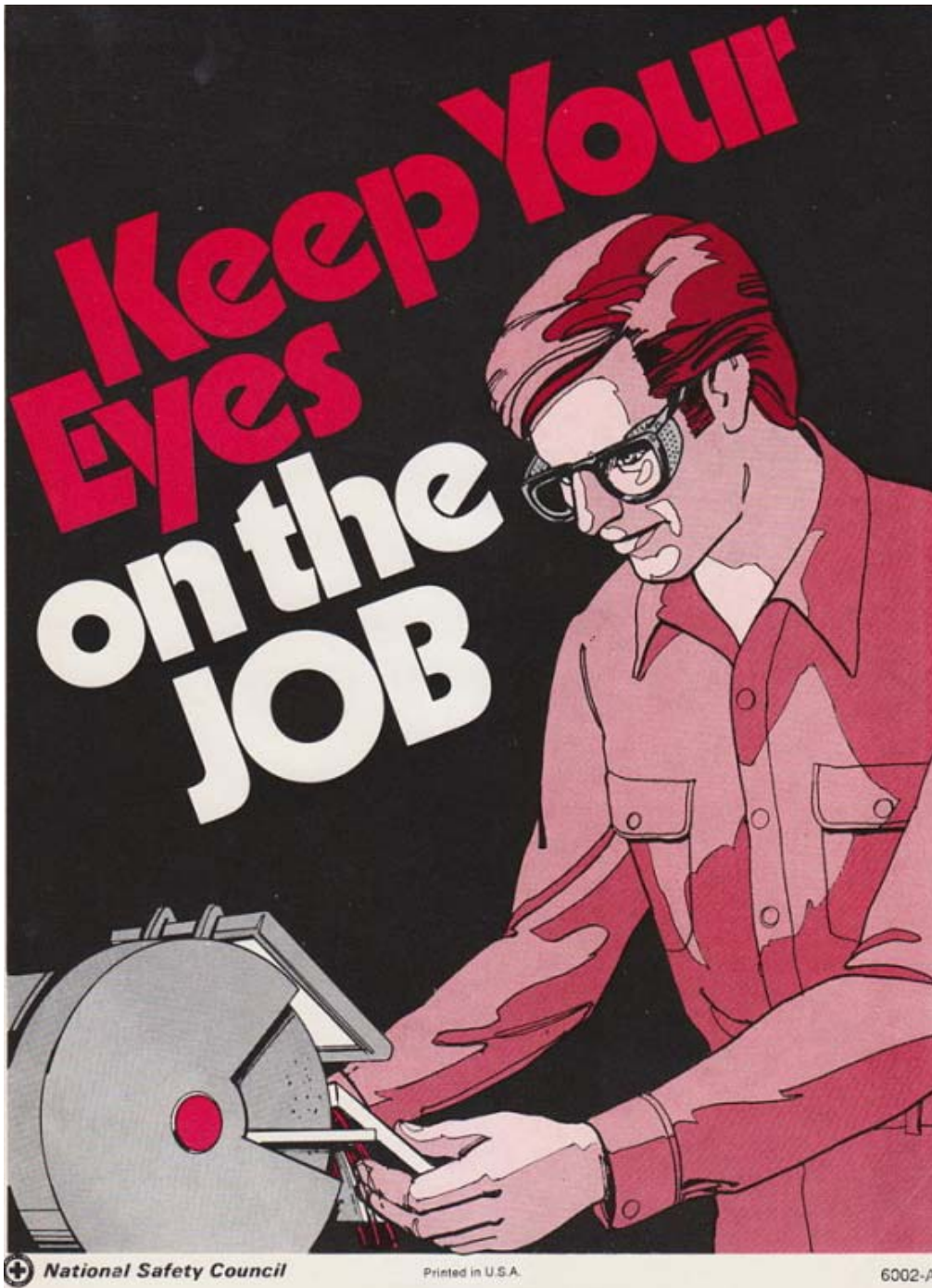


NEWS 136



April 2014

TTTG Inc.

www.tttg.org.au

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Cover

Twenty Retro Health and Safety Posters | Voices of East Anglia

www.voicesofeastanglia.com/2012/02/20-vintage-safety-posters

Next Meeting

Run, Rise, Going Trade Geometry

Tuesday 8 April 2014
Annie Wyatt Room
National Trust Centre
Observatory Hill Sydney

Auction

The February General Meeting will conclude with a member's auction.

Many bargains at low prices!

Auction Rules

The auction tools to be will be under covers before the auction begins.

The auction tools can be inspected during the intermission.

TTTG Membership \$35

For a modest annual subscription members receive a quality newsletter and a discount on workshop fees.

The fees are currently under review.
Membership will be \$40 in 2014.

Workshops

How Much?

Members \$20

Others \$40

Join at workshop for \$55

TTTG Inc.

GENERAL MEETINGS

The general meetings are at the National Trust Centre Observatory Hill, Sydney.

This location is easy to reach by public transport. There is ample parking close to the meeting room.

Parking is free, safe and secure.

The general meetings are in the **Annie Wyatt Room.**

Refreshments are provided.

The entry fee is \$5.

TTTG Inc. Contacts

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NEXT MEETING

Run, Rise, Going Trade Geometry

Tuesday 8 April 2014

Annie Wyatt Room
National Trust Centre
Observatory Hill Sydney

Entry \$5

'Doors open at 7pm'

Donations to TTTG

TTTG accepts donations of old tools and machinery. Acceptance of an offer to donate tools is subject to the TTTG Committee's assessment of the tools. TTTG does not offer a "clear out everything in the garage" service. TTTG cannot guarantee to pick up donated tools immediately,

Bequests to TTTG

What will happen to your tools? Consider leaving your collection to TTTG.

UNDER NO CIRCUMSTANCES WILL TTTG OFFER VALUATIONS OF TOOLS

Next Meeting

Run, Rise, Going Trade Geometry

Tuesday 8 April 2014

Annie Wyatt Room

National Trust Centre

Observatory Hill Sydney

Practical trade geometry and tools used to set out traditional joinery. Steel Square, trammels, gauges, squares, dividers and templates. *As well as explaining the geometry the presenters will show how the rare tools on display are used.*

The Auction

Auction donations keep arriving! This was a large auction with a great variety of tools falling under the auctioneers' hammer. All items were sold and good prices realised.

The auction takings from the last meeting contributed to the second month's rent on the Storage Unit. There will be more auction boxes on offer at the February auction.

There will be bargains as we need the storage space for the Tool Sale.

Mystery Tools

The success of Fred Murrells' column, Unusual Tools, in recent issues of *NEWS*, and a new 2014 feature in *Australian Woodsmith* magazine was the impetus for the theme of the first 2014 meeting.

Fred has more ***Mystery Tools*** than he can count or remember.

For this meeting Fred did TTTG proud. Many were simply stumped.

There were no prizes but the tools presented did challenge every one attending this meeting. As usual there were some surprise tools held up by audience members.

For more of Fred's ***Mystery Tools*** remember to buy the latest issue of ***Australian Woodsmith***.

If you missed this meeting you have missed another unique opportunity to examine some exceptional tools.

Send a photo of your ***Mystery Tool*** to the ***Australian Woodsmith***.

Tool Chests

The Traditional Tools Group Inc.

When the TTTG Tool Collection has been moved to Brush Farm early in 2014 work will start on a publication documenting several of the TTTG Tool Chests. The collection includes overseas and locally made tradesman's Tool Chests.

The publication will include line drawings, photographs and commentary.

The proposed publication will appeal to anyone interested in traditional tools.

The editor is interested in examining other Australian made Tool Chests.

TTTG's Letterhead!

*The old TTTG letterhead
Has been revitalised for*

TTTG

Caps

Shirts

Mugs

Details in NEWS 137



TTTG at Brush Farm House

Brush Farm House is an historic property in the Sydney suburb Eastwood.

Brush Farm House was built in about 1820 by Gregory Blaxland, following his purchase of the Brush Farm Estate in 1807. It is one of Australia's oldest houses and one of the most substantial houses surviving from the Macquarie period. Brush Farm House represents a nationally important site where some of the colony's initial land grants were made.

The TTTG Library will eventually be open to the public one day each week.

The TTTG Tool Collection will also be open to the public one day each week.

TTTG will conduct skills based workshops in Foster Hall Brush Farm House.

The Next TTTG Workshops

Tool Using Skills

27 July

Planes, chisels, saws and more

Sharpening Tools

24 August

Planes, chisels, drawknives and more

Brush Farm House 19 Lawson Street Eastwood

Correspondence

From Brian Read

***The opinions expressed are
Brian's personal views***

I am doing my usual review of Exchange Journals for TATHS and note the minor spat between you and the editor of the HTPAA about Power Tools. As Newsletter editor of that "overseas old tool interest group" can I put our point of view?

When TATHS was set up in 1983 our stated aim was "To educate the public in the history of hand tools and the trades, and tradespeople who used them" This is written into our constitution and justifies our charitable status. To change it would require permission from the UK Charities Commission but yes it is anomalous since we include:-

- a) Hand-held lathe tools but not the actual lathes unless they are treadle operated or powered by a "Great Wheel"
- b) Router planes, but not power routers which are just as much hand guided.
- c) Miller's tools and also milling machinery insofar as they affect the history of the milling trade.
- d) Hand operated Fly presses, but not power presses.

The list is endless.

I would not turn down a well-researched article on say jigs for guiding power routers but I never see them.

What I would refer to a different group is something on the guides and techniques of Ornamental Turning since there is already an active society in this field.

My personal interest nowadays is in hand bookbinding and I would welcome articles on these tools and techniques but again, a modern power guillotine is of less interest to me (unless I had a six inch thick book edge to trim off).

Prior to about 1750 virtually all tools were hand guided and man powered, ignoring animal powered winches ignoring Roman water wheels etc, but the development of first the steam engine and later electric power brought changes we acknowledge but don't actually study. Where CNC machines and the like will fit in I don't know.

Where TATHS does differ in our interests from TTTG and HTPAA is that you are actively pushing the training of people in the use and restoration of traditional tools while most of the contributors to TATHS publications, and hence presumably the members, tend towards the academic study of tools and trades rather than the practical training. Once upon a time you could learn/practice woodworking at a local council evening class in a school workshop but these have virtually all closed. I personally regret this and I have noted that the "Men's Shed" movement is spreading in the UK. Good luck to it.

Editor's Reply

The NEWS editor appreciates Brian placing his opinions on record and in response sent the following;

TTTG also encourages academic research. The real problem at the moment is the decline of technical knowledge and competence. If the skills are lost then interpretation of "old skills" becomes problematic.

As an example I've noticed the website for the James Watt exhibition at the Science Museum London. The "*earliest circular saw*" photo amazes me and raises the question of curatorial knowledge or even research competence. Teaching traditional skills is the only way to preserve traditional technical knowledge. Collectors do preserve tools but turning tools into static artefacts does not preserve knowledge.

For the Record

TTTG supports the aims and objectives of TATHS and HTPAA.

TTTG has a close relationship with both TATHS and HTPAA.

Many TTTG members are also members of TATHS and HTPAA.

TTTG also supports the other Australian Tool groups based on the HTPAA prototype.

TTTG has been teaching skills for many years and views "hands on" experiences as a strategy to create interest in traditional tools.

TTTG's Aims and Objectives

TTTG aims to preserve traditional technology. This involves saving old tools and teaching old skills. Traditional hand and machine skills are relevant in this digital age. It may be possible to "print" a hand gun but most materials have to be worked by machine and hand tools. The continuing demand for quality tools and for instruction in the use of hand tools is evidence of the relevance of old methods.

TTTG will be setting up workshop areas for wood and metal working when TTTG secures premises.

There will need to be a small area for basic woodworking machinery but the main workshops will be equipped with traditional benches.

The metal working area will also need an area for basic machines and a workshop equipped with traditional benches.

Suitable space will also be needed for a basic Blacksmith's shop. Hopefully we can find room for a small power hammer.

The TTTG Library will soon be in Brush Farm House. TTTG has several superb quality tool chests. These will be on public display.

TTTG's ultimate aim is to have a working museum. Of course some tools would not be suitable for use.

TTTG exists to preserve and teach traditional trade skills and to preserve old tools.

The last General Meeting

Brad VanLuyt

Fred Murrell's unusual tools and wotsits at the February General Meeting had me almost completely flummoxed. I recognised a few of the items there, draw bore pins, rope winder and graining combs but most of the display was to me just a pile of unidentified items from trades of long ago. I am quite sure that but for the grace of Fred, to a skip they would have gone.

One pair of items that piqued my interest was a couple of large turned blocks of timber (*Lignum vitae* I believe). Were they Patterns from a pattern maker? Unusual hat blocks? Perhaps long forgotten versions of bowls and skittles? I simply did not know!

Fred explained the couple of large turned blocks of timber were used by plumbers to flare out the ends of lead pipes and were called Turn Pins. They were turned but they didn't really look like pins. He then went on to say that they were also known and *tompions*.

Ah! Something just clicked.

I am known for my head full of crap. I seem to retain all sorts of useless knowledge that I pull out of nowhere to win a trivia comp or just bore my friends. As well as rusty old tools I have an interest words and language.

Brad VanLuyt is involved in bush regeneration and interested in traditional skills and hand tools.

As one who deals with plants on a regular basis I have to learn a lot of Latin (and Classical Greek) and little things stick after a time. English is a mongrel language made up of little bits of all sorts of old tongues. I hear or read a word and I often wonder where it came from, what it means and what it was originally.

Hmmmm, Tompion? Tompion.?

A lazy way of saying Turn Pin? Well maybe but I don't think so. I'm inclined to think that Turn Pin is actually derived from *tompion* or indeed *tampion*. A bit of googling told that a *tompion* (or *tampion*) is a plug, often of brass (or bronze?) used to stop up the muzzle of a gun (that is artillery piece or naval ordnance) to prevent fouling by dirt and water. The term was also used to describe a wooden device used to plug muskets muzzle (any ideas on this Jim Bradman?). Further investigation lead me to another amusing definition, and I quote "*Is a small pellet made out of mud and saliva which a bear inserts into his anus before hibernating for the winter, to stop the ants getting in.*"

Tools, history and language, all tied in together. Next time you're chatting to your plumber see if he can work out the connection between pipe flaring tools and bears bums. I bet he'll think you are quite mad.

Sturt Weekend

TTTG is justly proud of its one day workshops. Where else can you learn or brush up on skills that are fast disappearing in this age of computer assisted everything? Well – thankfully there are some alternatives.

The Sturt School for Wood in Mittagong offers a variety of courses ranging from one year full time to semester based part-time to one week courses. And, once a year the good people at Sturt run a Tools and Techniques weekend. This year, the weekend was held on 22 & 23 February and attracted good attendances on both days. Interestingly, there seemed to be an equal mix of genders instead of the usual over-representation of grey haired males. Is this because women are becoming more attuned to the delights of fine woodwork or is it because they have realised that an unsupervised male is more likely to spend a fortune on the tools on display?

The weekend has two components:

-Displays and Sales

-Woodwork Demonstrations

The Displays/Sales element included offerings from such brand names as HNT Gordon, Colen Clenton, Japanese Tools, Gifkins Dovetail Jig, Vesper Tools and Allwood Timber. TTTG's stalwart, Jim Davey, also was on hand with his selection of tools and products.

The mix of displays was rounded out by two local organisations , the Southern Highlands Woodies and the Bowral Men's Shed.

The Woodwork demonstrations featured the following list of presenters and provided an engaging insight into a number of woodworking techniques:

Saturday 22 February 2014

10.30am - Darren Oates -
Laminating

12.00 noon - Katalin Sallai -
Hammer veneering

2.30pm - Phoebe Everill -
Steam bending

Sunday 23 February 2014

10.30am - Thirston Morris -
Wood movement &
joint direction

12.00 noon - Pam Erasmus -
Preparing for
finishing

2.30pm - Neil Erasmus -
Lap dovetail joint

Sturt Weekend

TTTG Tool Sale

Unfortunately both these events were on Sunday 23 February 2014.

The TTTG venue is available for only one day in the year and now Sturt has our 2015 date. **22 February 2015**

Both the events would benefit from being on different days.

Obviously, each demonstrator had a limited amount of time to present but in terms of those presentations that might interest TTTG members the sessions with Katalin Sallai and Phoebe Everill were probably the most relevant.

Katalin demonstrated the use of animal glue in veneering together with a traditional veneer hammer. Katalin's veneer hammer no longer sported a handle so it looked more like a squeegee. She didn't seem to be too fussed about this, simply remarking that the handle (if it had been there) sometimes got in the way of the spreading action.

The smell of the glue 'cooking' in a warming pot certainly brought back fond memories for me as it evoked the workshop of my grandfather and his cast iron glue pot that he had 'requisitioned' from the kitchen to warm up his very smelly glue over a primus stove. In retrospect, this may be one reason that I was not overly fond of this grandmother's cooking!

Phoebe Everill demonstrated with her usual verve the use of a steam box for bending timbers. She pointed out that steaming is not an exact science with the ever present problems of breakage and the issue of spring-back which must be considered when determining the curve of the form/pattern used in the bending process. This was a nice counterpoint to the first demonstration given by Darren Oates on laminating.

Darren also discussed 'spring-back' and the use of timbers with varying degrees of moisture content. At one point in his demonstration, Darren uttered what for me is one of the great truisms of working with wood that is you can never have enough clamps, or tools for that matter.

Alan Jacobs

Alan Jacobs has completed a number of semesters of part-time study at Sturt and would like to enrol as a full time student 'one day'. He is a member of the Southern Highlands Woodies and has been unable to resist the temptations posed by the tools for sale at past Tools and Techniques weekends.

Alan also contributed this unsolicited testimony.

TTTG Citric Acid

Everything that you claim re citric acid is true! I have just finished restoring an English made sash clamp using citric acid and this clamp now puts the horribly made (modern) Indian equivalents to shame.

TTTG Citric Acid

Available at all TTTG Events

500grams only \$5

TTTG Citric Acid cannot be despatched in the mail.

The Ledger

New Members

On behalf of the TTTG Executive and Members, a welcome is extended to fourteen new members:-

Anthony Deguara	M700
Selina Giles	M701
Steve Townsend	M702
Jarryd Cook	M703
Philip Holmes	M704
David Goodsall	M705
Adam Mulcahy	M706
Chris Newton	M707
Philip Knight	M708
Antonio Avellaneda	M709
Scott Gates	M710
Peter Fredericks	M711
Peter Wilson	M714
Peter O'Sullivan	M715

We hope you find your membership rewarding and look forward to your participation in our activities.

(Note: membership numbers M712 and M713 are being temporarily used by TTTG's webmaster for website testing.)

The Annual Tool Sale

Several of our new members joined up as a result of our workshops and their experience at our tool sale on 23rd February. My report on TTTG's very successful 2014 Tool Sale appears elsewhere in this issue of NEWS.

Fantastic Offer!

TTTG memberships are based on the financial year 1st July to 30th June. Because the cost of printing and mailing TTTG NEWS now exceeds your \$35 annual subscription, your Committee has decided 2014/15 TTTG subscriptions are to be \$40 p.a. Please pay your subscription before 30th June, 2014 (see subscription renewal notice elsewhere in this issue of TTTG NEWS. If you renew your TTTG subscription before 1st June, 2014, you may renew at the old rate of \$35 p.a.

Do you have Friends Interested In Tools and in Using Tools.?

Do you have friends who are interested in tools, their history, their maintenance or preservation? Why not urge them to join TTTG? If they join in April, May or June, 2014, for \$40 we'll give them membership up to 30th June, 2015. No one ever regretted joining TTTG!

SHARPENING WORKSHOP

The next TTTG workshop will be

Edge Tool Sharpening Workshop

Sunday 6th April 2014, the last Workshop at our temporary venue:

Epping Creative Centre, Dence Park, 26 Stanley Road, Epping.

Bring along a plane blade and/or chisel and you'll be astounded with the tool you'll take home.

Workshop details elsewhere in this issue of TTTG NEWS.

Clynt Sheehy
TTTG Treasurer

Successful TTTG Tool Sale

Clynt Sheehy (Treasurer)

TTTG's 2014 Sydney Tool Sale at the Brickpit Sports Stadium, Thornleigh on Sunday 23rd February was an outstanding success, even more successful than TTTG's 2013 tool sale.

Before the doors were opened there was a huge crowd of eager buyers lined up in the foyer and out onto the road, all having paid their \$5 entry fee and with the TTTG paid rubber stamp mark on their hands so that they could rush in when the doors opened at 9 a.m. The vibe and numbers were like a department store Boxing Day sale.

The sale attracted over 420 buyers compared with 335 at the same venue in 2013 and only 173 in 2012 at Asquith Boy's High School. There were 65 tables among 32 vendors and their assistants.

The logistics of holding a TTTG Tool Sale are enormous and I'd like to thank all those who provided input, including:

All the TTTG Executive Committee for planning input;

Darcy Hourd who arranged for the magazine advertisements;

Horacio Rodrigues designed and had the flyers printed;

Peter Evans for speaking on the ABC and for online blogs;

Many members distributed flyers to letter boxes in the vicinity of the Stadium and publicized the sale at markets and on notice boards;

Peter Tierney and Andrew O'Connor posted notices on power poles in Pennant Hills Road, Milson Parade and Sefton Road.

Tom Marinov was our "official" photographer;

Geoff Unsworth for some very helpful suggestions in relation to the logistics;

The members who in the first half hour after 7 a.m. had the tables unloaded and set up in readiness for the vendors;

Andrew O'Connor, Mike Williams and Rick Mitchell collected the \$5 entry fee at the door;

Big Jim Bradman prevented people sneaking in without paying;

Bradley van Luyt took over selling at a table when vendor Richard Kennewell took a turn and had to be conveyed from the sale in an ambulance. Richard is feeling much better now after having spent overnight at Hornsby Hospital.

Bradley enjoyed selling tools so much that he's already booked a table for our 2015 sale.

TTTG thanks Matthew Pryor and Jack McQuillan for moving TTTG's seventy trestle tables to and from the venue and directing the set up.

Philip Howe of Lifeline Harbour to Hawkesbury arranged for the loan of Lifeline's van to transport tables.

I'd also like to thank my wife, Jillian, who grudgingly accepted my involvement over several months leading up to the sale.

But mostly thanks must go to the huge crowd of buyers, both members and the public, who made the sale such a success.

Due mainly to high advertising costs, and a policy of keeping table and entry fees low, TTTG makes only a very modest net income from these tool sales but they provide great promotion for TTTG.

TTTG has already reserved the Brickpit Stadium's main basketball court for TTTG's Sydney Tool Sale on Sunday 22nd February, 2015.

***2015 TTTG Sydney Tool Sale
22 February 2015***



Clynt welcomes the buyers



Happy Sellers



Eddie



Robbie and Alan

Unusual Tools

Fred Murrell

I bought this item at the Clarendon swap meet early 2013, it came with its original, somewhat tattered and unlabelled box.

The reason I bought it was because it had a very faint EP stamp, the stamp of Edward Preston.

Even though it was by Preston I had my doubts about buying it because it was painted gold. I was puzzled about why someone would paint it gold because it was otherwise, in mint condition. There was no rust present and the two springs on the back still have the original blue from being tempered. I decided not to fiddle with it.



Unusual Tools is a *News* feature

Fred shares some of his extensive collection of *what is it?* tools with the readers in each issue of *NEWS*.

Readers can send Fred a photo of any mystery tool and he will try to find the origin and use of the mystery tool.

Fred enjoys a challenge!

So what is it?

You will recall that on page 24 in *News 134* there is a photograph of “The Star”, a saw-set made by Henry Disston and Sons and included in their manual of 1945. The Preston tool I bought is numbered 1460 and is a punch type saw set not unlike the Disston and my research has established that it was sold with a gold finish.

The two round brass discs on the front provide a stop so that all the teeth can be set to the same length. The thumb screw in front allows the long fence to be raised to control the angle of set as the anvil is fixed. The Disston which has a star shaped anvil with six facets each with a different angle.

From the 1945 Disston manual it would seem that the fence is held in place with a countersunk screw thus allowing the saw to be laid flat and so permit the fence to control the length of tooth to be set much the same as the brass discs of the Preston tool.



Unusual Tools

Fred Murrell

The photo shows a Holtzapffel *compendium tool handle and accessories* I recently acquired. Sadly there are only 10 of the original tools out of 17, but the more unusual pieces, being the hammer and hacksaw are there. All tools are stamped Holtzapffel except a small rasp which is stamped Thewliss & Co. I am confident it is original to the set because there is a file stamped Thewliss & Co on one side and Holtzapffel & Co on the other.

From the right

- *5/16" gouge
- *3/16" gimlet
- *small square reamer
- *larger reamer
- *5/8" chisel
- *small hacksaw with original blade (blunt after 130 or more years)
- *screwdriver
- *small hand cut rasp (broken tip)
- *small hand cut file
- *small hammer in centre

The tool holder had a lignum handle which was horribly smashed, but I had a piece of African Blackwood I acquired from the Sydney Timber and Working with Wood show a few years ago which was ideal to replace it with.

I recall reading in one of the Holtzapffel books that African Blackwood was one of his favorite turning timbers.



Mystery Tools

The first instalment of Mystery Tools appears in the latest **Woodsmith**. Readers of this magazine have been asked to send in their ***Mystery Tools***. An *Expert Panel* from TTTG will attempt to identify the *Mystery Tools*. Fred Murrell and John Daniel are the TTTG representatives on the panel. With their contribution Woodsmith's ***Mystery Tools*** should be popular.

Surface Grinding Planes

The editor asked Chris Vesper whether he will surface grind planes and plane blades.

The grinding of a plane body can be tricky. I can do it but it is time consuming and I would only say it is worth doing to a plane that is fairly badly rusted or warped. It is easy to hand rub a few thou off and be done with it but if there is significant material to be removed then grinding is better.

Grinding could be costly though, I have to charge \$75/hour plus GST for grinding work and a No 7 plane could take two hours, and a No 4, maybe 1.25 to 1.5 hours.

Surface grinders are expensive bits of equipment plus the expertise to use them effectively makes that hourly rate look cheap in my eyes.

The machining cost would be plus postage both ways I'm sorry to say. Could be very economical if several planes were shipped by courier in one package?

Planes have to be ground with the frog in and properly seated, fettle that first then grind the sole and sides. It is also a good idea to have the blade in as well. Handles and knobs should be off because of the cutting fluid used during grinding.

Chris's comments and prices are close to what the editor expected. TTTG can confidently recommend Chris to surface grind planes.

Email Chris

chris@vespertools.com.au

to find out if grinding is for you!



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 **ICE BEAR & KING WATERSTONES**
M2 HSS ACADEMY BLADES, LEATHER CHISEL ROLLS AND COVERS

 **CARBA-TEC** **TOOLS FOR WOOD** AGENT FOR CARBA-TEC

CREDIT CARD FACILITIES:  **VISA** 

Jim Davey
Ph 02 4447 8822(W) 4447 8790(AH) PO Box 967 Nowra NSW 2541
JDAVEY@bigpond.com www.jimdavey-planes-sharpening.com

Carter Plane Facts

Carter planes have the reputation of being a bit rough. Perhaps it is more accurate to describe Carter planes as variable in quality. Carter made metal planes from about 1946 to 1960. In this short period Carter made a lot of planes.

The Carter *product description* below can be compared to existing Carter planes. *Carter planes are invariably flat and the blades are excellent quality.*

However other components are often a bit crude. The handles are usually roughly made and finished jet black. The screws are standard Whitworth but vary greatly. Fits and tolerances are poor. Carter produced a number of cap iron designs. Some are good but most do not function smoothly. The distinctive Carter cap iron design described below is bulky and rarely performs as sweetly as claimed.

There will be a Carter display at the 2014 Sydney WWW Show.

Carter product description

from an undated *Carter Planes* leaflet (extract printed in NEWS 135)

Plane Body

High grade cast iron. Machined and then stress relieved by heat treatment after the first machining.

Plane Sides and Bottom

Machined *and surface ground to precision finish*

Handle and Knob

Made from seasoned coachwood

Cutting Iron

Crucible cast high-grade tool steel
Hardened and tempered by modern heat treating process
Tested on high precision testing machines
Accurately surface ground

All other parts are fashioned from highest quality materials

Lever Cap

The new design Clamp saves time. It lies parallel with the blade and back iron and, its pressure does not alter when blade adjustments are made.

The new type Thumb Cam is longer, stronger than other types, has more finger space underneath, allowing a sweeter and easier cam action.

JD's

John Daniel

*Just a generic looking saw set,
however*

This is not a discussion as to the merits of various makes of Saw Sets, or an in-depth discussion on their use however before I get too far into the point of this story I will state that I feel that the Eclipse No 77 is one of the most common found and also copied by other manufacturers due to efficiency and ease of use making it the preferred choice of carpenters, cabinet makers and other timber using trades. I will concede that the hard-point saws and Japanese pull saws have lessened the demand for handsaw sharpening however interestingly there is now resurgence in the use of the traditional hand saws.

This interest is demonstrated by the popularity of the Saw-sharpening workshops offered by TTTG..



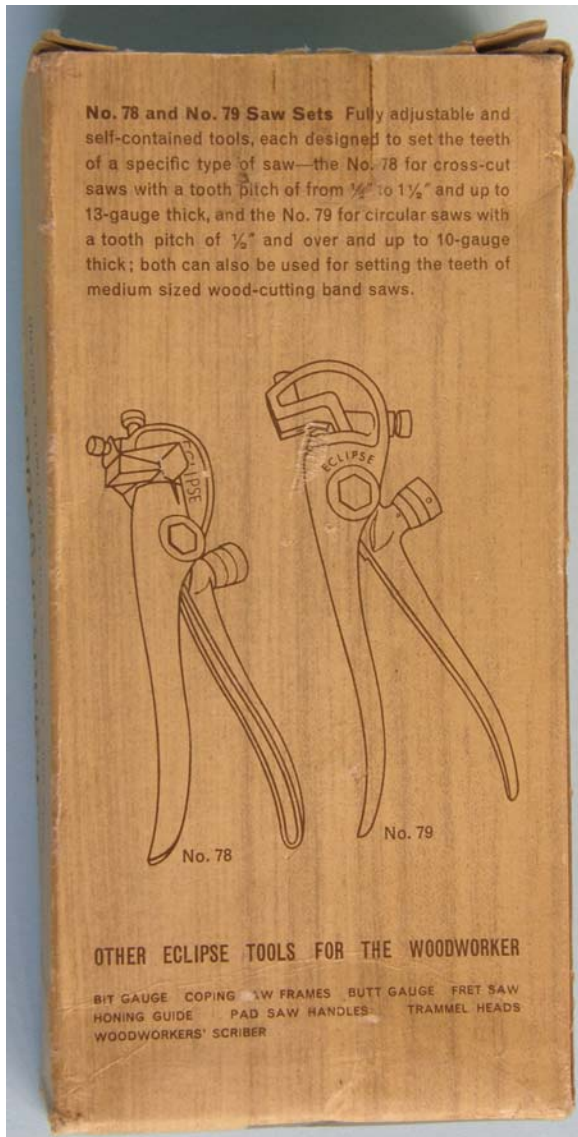
There is also resurgence in the manufacture of quality traditional saws on the market, though the expense of these makes the earlier saws worth considering.

*That off my chest, I'll get on with
the point of this article.*

It's not often one finds a basic tool with instructions and advertising material enclosed in its original box, especially in this case, an Eclipse saw set. It was a morning ritual for many wood-workers, especially carpenters and joiners to run the file over their favourite saw before starting, the box and leaflets long ago discarded as they were of little importance to a time pressed tradesman; I would suggest that those boxed examples of tools that have survived would have belonged to the home handy-man mind set where order in the shed and a special place for each prized possession was an ingrained habit.

\$5 was the transaction that allowed me to take this generic looking saw set home from a local market, not a heart-stopping experience however occasionally one finds a bonus and in this case it was the instructions in the box for the saw-set accompanied by an interesting advertising leaflet for Eclipse files.

The instructions are clear and easy to follow and with a little trust, will re-enforce some of the directions demonstrated at the TTTG Saw Sharpening Workshops. On the back of the No. 77 box there is a sketch of a No. 78 for cross-cut saws with a tooth pitch from ½” to 1½” and up to 13 gauge thick, also the No. 79 for circular saws with a tooth pitch of ½” and over and up to 10 gauge thick; both can also be used for setting the teeth of medium sized wood band saws.



Like so many men I seldom read instructions and in the dim past have discarded so much ephemera relating to tools that I don't like reflecting on it, so one must be thankful for the conservators in the past that have looked after their tools by carefully re-boxing them after use carefully tucking them away in a safe place; mind you, I have since changed my ways and hope after reading this, tool users out there will place a little more value on the packaging and literature that comes with future purchases of old (and new) tools.

NEWS 137

Eclipse Saw Set Instructions

Reprinted in full

Saw Sharpening

The next Saws Workshop is planned for the second half of the year. The venue will be at Brush Farm House Eastwood.

Saw Sets

TTTG regularly sells Saw Sets at the TTTG Workshops.

The *Eclipse* 77 sells for \$20.

The other sort after Saw Set is the Stanley 42 Saw Set.

These are harder to find, expect to pay \$40 or more.

Always use the correct file when sharpening saws.

Screw Cutting on the Lathe Part 2

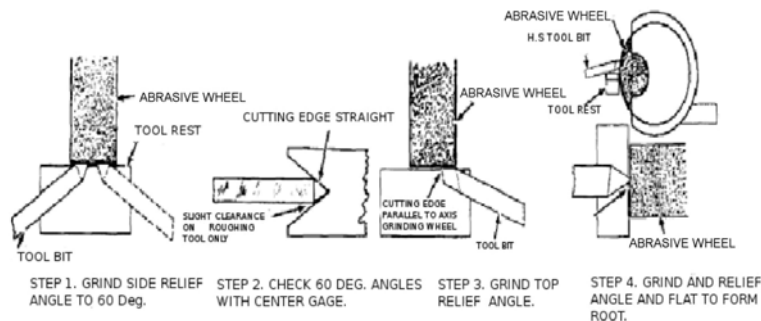
John Bates

Grinding & Setting the Cutter

Cutting threads with a 60° thread angle is the common threading operation done on a lathe.

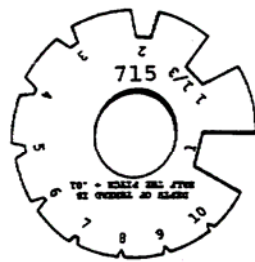
To properly cut V-shaped threads the single point tool bit must be ground exactly to the shape of the thread form including its root.

The tool bit also should be ground to account for the thread or helix angle especially when working with small diameters or coarse threads. The clearance angles for the sides should be within the helix angle. Note that when necessary the sides may also be ground in toward the shank to provide additional clearance.

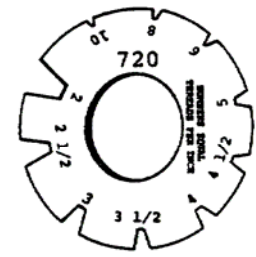


The tip of the tool bit should be ground to fit the shape and size of the thread root and with enough side relief and front clearance. The drawing above illustrates the steps involved in grinding a thread-cutting tool bit for a 60° thread.

Thread centre and cutting tool gauges are available to simplify grinding and setting procedures.



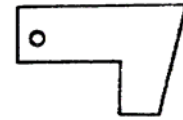
ACME THREAD CUTTING TOOL GAGE



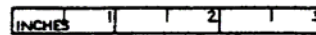
29-DEG WORM THREAD CUTTING TOOL GAGE



60-DEG ANGLE CENTER GAGE



29-DEG ANGLE SETTING GAGE



For vee threads these gauges have a 60°, 55° and/or 47.1/2° vee covering Metric, US, Whitworth and BA threads respectively. A single face at 14-1/2 deg. provides for checking and setting tools for Acme and standard worm threads. The thread cutter bit must be placed exactly on line horizontally with the axis of the work-piece.

This is especially important for thread cutter bits since a slight variation in the vertical position of the bit will change the thread angle being cut. The centre gauge will permit checking the point angle at the same

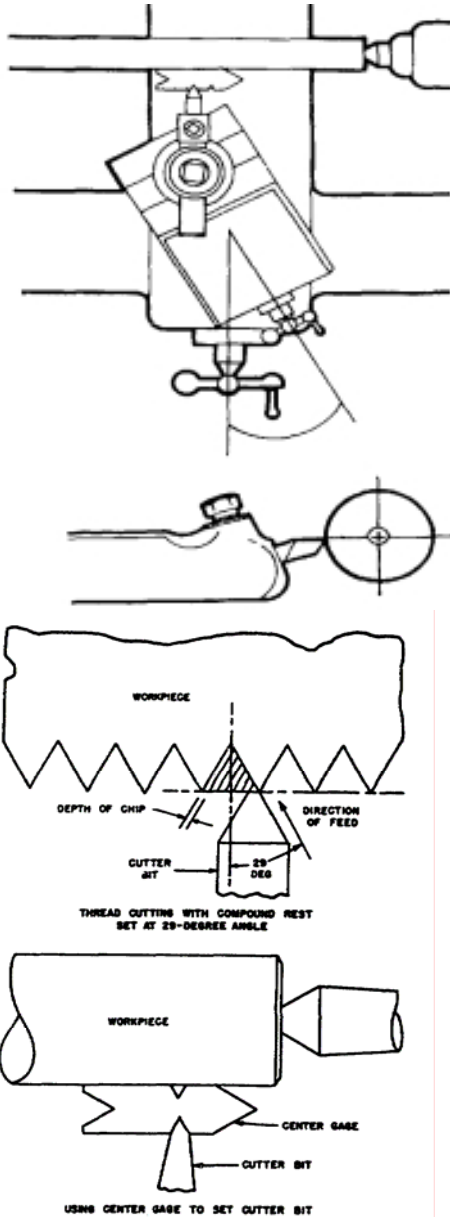
time as the cutter alignment is being done. The centre gauge is placed against the work-piece, and the cutter bit is adjusted on the tool post so that its point fits snugly in the angle notch of the centre gauge.

Screw Cutting on the Lathe

Part 1 was published in *NEWS 135*

Lathe Q & A

Any questions about metal turning can be directed to John Bates via *NEWS*



For standard 60° threads of the sharp V-type, the American (National) Standard form and the Unified form, the cutter bit should be moved in at an angle of 29° (some prefer 29.½°) so that the left side of the bit does most of the cutting. The direction is controlled by setting the compound rest at the 29° angle before adjusting the cutter bit perpendicular to the work-piece axis.

The depth of cut is then controlled by the compound rest feed handle.

For Acme and 29° worm threads, the compound rest is set at one-half of the included angle (14 1/2°) and is fed in with the compound rest. For square threads, the cutter bit is fed into the work-piece at an angle perpendicular to the work-piece axis.

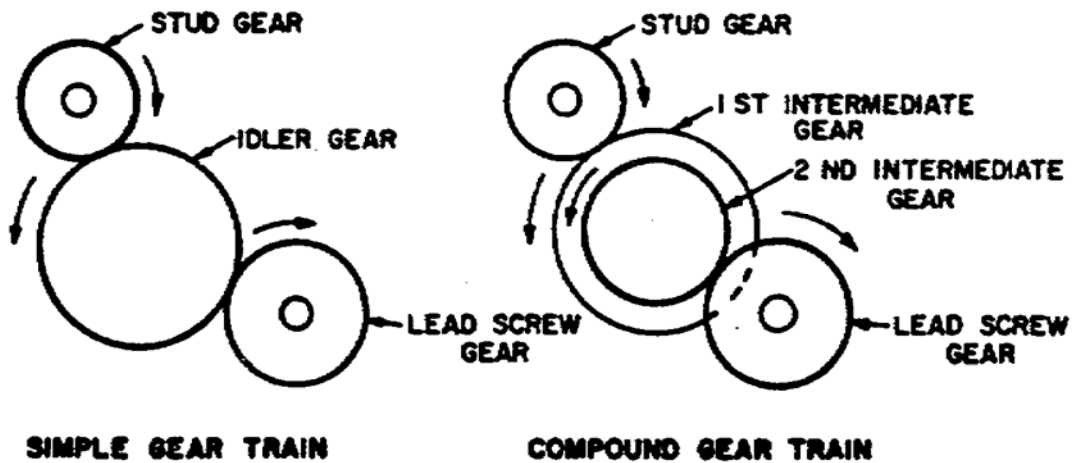
Setting the Feed Mechanism for Threading

Lathes equipped for thread cutting have arrangements for varying the speed ratio between the spindle and the lead screw. Many lathes have a quick-change gearbox, but older lathes, inexpensive lathes, and special lathes may come equipped with a set of standard change gears or even formers to achieve the desired speed ratio.

For lathes equipped with quick-change gearboxes, it is only necessary to move the levers (and sometimes the stud and lead screw gears) as per the selector plate to set the feed for the desired thread. Once set to the number of threads per inch, the spindle speed can be varied to suit the material being cut and the size of the work-piece, without affecting the thread pitch.

Lathes equipped with standard change gears require the operator to follow the arrangement of gears as set out in the manufacturers gear table. But if this table is missing the gear arrangement needed to produce the desired thread may still be calculated.

On most lathes either with gearbox or change gears, the end gears may need to be arranged in a simple gear train or in a compound gear train as shown opposite.



When the thread to be cut is finer than the thread of the lead screw, the gear with the fewest teeth will be the stud gear. If the thread to be cut is coarser than the lead screw, the gear with the fewest teeth will be the lead screw gear.

If the proper ratio between the spindle and the lead screw cannot be obtained by simple gearing, a compound gear train may be needed.

The carriage is connected to the lead screw of the lathe for threading operations by engaging the half-nut on the carriage apron with the lead screw. A control is available to reverse the direction of the lead screw, and it should be determined that the screw turns in the direction, for left-hand or right-hand threading, as desired.

Remember:

- feed the cutter bit right to left to produce a right-hand thread.
- feed the cutter bit left to right to produce a left-hand thread.

Lathe Q & A

Question

Can you recommend a reliable textbook on metal lathes?

Answer

The Text Book of Turning
Published by Hercus is an easy to understand guide to metal turning.

How to Run A Lathe
Published by South Bend Lathes is another easy to understand guide to metal turning.

Both books were printed over a long time span and copies are not scarce.

Hercus Lathes

Hercus manufactured lathes in South Australia from around World War 2 until a decade ago. Hercus lathes are virtual copies of American South Bend Lathes.

Hercus lathes and other Hercus machines are excellent quality. Hercus spare parts are relatively easy to find.

The chart on page 25 will assist anyone dating a Hercus.

2014 TTTG Tool Sale

A Trader's View



Plenty of space and lots of tools to fill it up!

The 2014 TTTG Tool Sale has come and gone (don't say you missed it). And what a SALE it was – bigger, better, busier than the year before.

As a seller of 'fine machinist tools' the TTTG Tool Sale is a major 'can't-miss-it' event. Where else do I get the chance to expose myself in public? Just \$40 per table and the tables are provided! Bring in the tools and set up. Covered parking and easy access to the vast Brickpit Sports Stadium make the whole exercise easy and stress free for both buyers and sellers.

This year's TTTG Tool Sale saw over 420 buyers in attendance and that was up a good deal on last year. The word must be spreading because I noticed a lot of new faces and a younger demographic.

On the day we had more than 50 tables laden with the rare, the bland and the downright ugly of tools. No matter what your tool needs or persuasion I'd bet money you find something of interest and value at the TTTG Tool Sale. Even TTTG bought some tools!

Another plus is the location. The Brickpit Sports Stadium is easily accessible from the central coast and across southern and western Sydney by car, train, bus, bicycle or Shank's pony! Acres of parking is underneath and nearby, but 'get in early' to avoid disappointment. If you have to skip breakfast get a bite and something to drink at the on-site cafe.

Part of what makes the whole day for me is meeting and greeting the 'punters'. What a diverse bunch; mostly blokes but we get more than a few women too.

And it's great to 'talk tools', help people out with their 'whatsits', questions and problems plus you always learn a thing-or-two yourself (*a big thank you to the person who gave me the tip on where to get case-hardening compound*)!

So this is also a social occasion when you can catch up with 'fellow travellers' and participate in the unavoidable pre-tool-sale-tool-sale prior to the doors opening at 9.00am. I never come away empty handed, yet I always go home a lot lighter than when I arrive. Good thing too 'cause after set up and a few hours on your feet the energy levels sag a wee bit by the time Bob Crosbie calls 'time'.

This year we shut shop at 1.00pm. So I duly packed up and headed for home to begin preparations for the next TTTG Tool Sale on 22 February 2015.

Lastly all the traders owe a vote of thanks to the TTTG organisers, transport providers (thanks Jack Philip and Matt) and helpers (who was that man in the top hat?); especially Clynt Sheehy who puts in a ton of work to make 'The Sale' what it is.

Of course TTTG is already hard at work on plans to make the 2015 Tool Sale an even better event. Keep the date free –

Sunday 22 February 2015!

See you there.

John Bates



*TTTG Doorman – what no tails?
No problems with 'Big Jim' on the door*



The man in the hat, Andrew takes control

Hercus Lathe Dates

Hercus 9" and Model 260 Lathes

Date	Serial numbers	Date	Serial numbers
1939	20-41	1962	7973-8439
1940	42-141	1963	8440-8999
1941	142-324	1964	9000-9639
1942	325-575	1965	9640-10405
1943	576-927	1966	10406-11057
1944	928-1130	1967	11058-11680
1945	1131-1342	1968	11681-12288
1946	1343-1743	1969	12289-12916
1947	1744-2204	1970	12917-13471
1948	2205-2657	1971	13472-13930
1949	2658-3110	1972	13931-14367
1950	3111-3565	1973	14368-14848
1951	3566-4069	1974	14849-15383
1952	4070-4425	1975	15384-15671 (260 from June)
1953	4426-4741	1976	15672-15906
1954	4742-5045	1977	15907-16334
1955	5046-5301	1978	16335-16690
1956	5302-5862	1979	16691-16976
1957	5863-6154	1980	16977-17414
1958	6155-6661	1981	17415-17840
1959	6662-7118	1982	17841-18066
1960	7119-7572		
1961	7573-7943		

Hercus ceased manufacture of the 260, in 1998.

Selling Old Tools

Hans Brunner

Last year some of the biggest eBay USA tool sellers called it a day. One of them actually had the backing of the owner of the single most important and biggest tool collection on Earth! I'm not happy about it at all falling prices hurt collectors and dealers alike.

The good news is that the lower values flush out more good tools at reasonable prices. My goal for 2014 and beyond is simple: I try to offer you tools at roughly the price you pay for them if you buy them on eBay USA yourself and have them shipped to Australia because this is in effect the current market value of every tool. It might limit the number of tools that qualify but you can be certain that I'll keep looking for them!

I will continue to list tools with fixed prices on eBay Australia even though it sucks, is incorporated in Switzerland and doesn't pay taxes here but I'm getting my Swiss pension later this year and it gives me great pleasure in making the bastards pay one way or other hopefully for a long time to come!

If you would like to buy a tool from my eBay listings for 10% less you have to send me an email and I will stop the listing.

If you buy the tool on eBay I have to pay their fees and won't be able to give you a discount on the tool.

Additional comments by Hans

John Sindelar is probably the most prolific tool collector under the sun. He bought major collections just to get the tools he really wanted. Have a quick peek at his museum site with rooms crammed full of the rarest tools imaginable. And these are just the tools he likes to display, for each piece you see there are several times more you don't. Well, you actually have seen quite a lot them - Jim Bode (eBay name 2lshark) was the eBay seller for Sindelar. What's more, Bode also was the major supplier for Minuskin (eBay name toolexchange) right here in Australia. I think you get the picture. Those high priced tools with the white box pictures really are connected. There is no magical tool source. There are just good blokes who made good money (not from tool dealing!!) who could afford to buy lots and lots and lots of tools. Some of them passed away and their tools went to other good blokes and so on and there are us dealers in between them, some better and some worse, that is your call!

Sindelar Tool Museum

www.sindelartoolmuseum.com

The *NEWS* Editor regularly looks at Hans' listings as he considers them the best indication of true market prices. As a bonus Hans' descriptions are always accurate.

A Big Pair of Tongs

Clynt Sheehy

A TTTG member, Dave Thom, was sent the accompanying photographs of a tool which had been found in a barn near Richmond with a request to identify it. The request had passed through other hands before it reached Dave.

The tool is obviously a large pair of tongs (they are 1.5 metres long). From a couple of blacksmithing books (e.g., Bealer, "The art of Blacksmithing"), the tool may be identified as a pair of offset semi-box bar tongs.

TTTG blacksmithing enthusiast, Andrew O'Connor, confirmed that the tongs were for holding big rectangular bar stock and by their size, their use with an industrial hammer is indicated.

TTTG is occasionally asked by members of the public to identify tools. With the decline of traditional trade skills in Australia, it's likely that many hand tools will become a mystery to even people whose livelihood depends on the use of power tools. One of the aims of The Traditional Tools Group is to disseminate trade skills and tool knowledge. To this end, a Mystery Tool (or wotsit) page will appear in the Australian Woodsmith. A panel of TTTG members will assist the magazine in identifying tools, pictures of which are submitted by magazine readers.

Below:

Photograph of one of the pairs of big tongs



Photographs of tools

A good photograph is a great aid in identifying tools. Here are a few hints;

- Lay the tool on a neutral background. Matt white card board is ideal.
- Avoid extraneous details and include a something to provide a scale.
- Take high resolution photographs.

Buzawolf Saw Bench

Greg in rural Victoria asked TTTG about a combination machine with a number of attachments and a plaque on the side:

*Charles Wolfenden & Co 272
Ballarat Rd Braybrook*

From John Bates' Database of Australian manufacturers

A & S Wolfenden then Allen Wolfenden Machinery Pty Ltd
4 Halsey Road Airport West
Victoria, Australia
Commenced business prior to World War II

Vertical bandsaw 30 in throat
surfacer, jointers, rip saws

George Radion, a well-known HTPAA member, shares this memory with TTTG:

I used a Bussawolf bandsaw in my student days and can vouch for their good machinery.

It was expensive, industrial grade and very good. All I know about them is that they were made out Footscray way.

John Bates found additional information from Museum Victoria:

Wolfenden Bros, Engineers & Woodworking Machinery Manufacturers, Footscray, Brooklyn & Airport West, Victoria, trading from 1918-2007



Greg in rural Victoria is thinking about selling his BUZAWOLF

Greg's machine seems to be fairly complete and in good condition.
Greg is asking \$750 for his BUZAWOLF Combination Machine.

If you are interested email the NEWS Editor and I contact Greg.
A long way for a NSW TTTG member but we have members in Victoria.



Spindle Moulder – Wolfenden
Museum Victoria

Wolfenden Brothers began in 1918 when Ernest Wolfenden found himself out of work due to an engineers' strike. Ernest began working as a motor and general engineer, reboring cylinders for cars and motorbikes and manufacturing and fitting pistons. Ernest's brothers, Charlie, Bill and Frank, soon came to join him and by 1919 the company was advertising as Wolfenden Bros, Motor & General Engineers, Lynch Street, Footscray.

About 1921 the company moved to Hopkins Street, Footscray and began manufacturing woodworking machinery advertising 'we Manufacture All Classes High-grade Tools, Thicknesses, Band-saws, Buzzers, Saw Benches &c. Machines fitted with ball-bearings; any design built to order. Accuracy and finish guaranteed' (Woodworking Machinery, 1921)

By 1925 they were advertising as 'the largest Manufacturer of high speed ball bearing Woodworking Machinery in the Commonwealth' (Important Notice, Woodworking Machinery, 1925, p.19) and had opened a branch in George Street, Sydney owing to increased business in NSW.

They moved to Brooklyn, Victoria around 1926 and continued to expand, advertising over 100 different varieties of machines including Double-ended Tenoners, Straight-line Edging and Ripping Saws, Belt and Drum Sanders, Electric Moulders, Single and Double Planers, Veneer Presses and Hand or Power Furniture and Door Cramps. In 1930 the Ford Motor Co. purchased a complete body building plant of Wolfenden Bros woodworking machines. By 1934 they were employing over 60 people and selling over 600 types of new and used woodworking machines.

They began building caravans after the brothers built themselves a caravan in the factory yard. The vans were sold as Wolfenden Highway Homes. Constructed around a steel frame with marine ply or *Bondwood*, each van could be customized with various features including a warm shower, provided via a flat water tank on the roof which warmed the water as you drove along each day. The brothers also constructed a fleet of vans for hire.



Jointer or surface planer by
Wolfenden
Museum Victoria

Production of the vans ceased with WWII as supplies were not available and the company was required to contribute to the war effort. Most of the hire van fleet was purchased by the RAAF to house airmen at Sale. During the war Wolfenden Bros manufactured gun parts, aircraft cylinders and woodworking machinery.

The Victorian Government Gazette No.1 Friday 4th January 1963 lists under Public Works Contracts Accepted "2288. Kangaroo Flat, Technical School, supply of one (1) bandsaw, including packing, £374 - A. and S. Wolfenden (NW304206)".

By 1985 the company had moved to Airport West and become Allen Wolfenden Machinery.

Allen Wolfenden Machinery remained manufacturers up until the mid 1990's when they operated as agents and made repairs.

According to Museum Victoria the company closed in 2007, but it is still listed in the phone directory as buying and selling woodworking machinery from its premises at Airport West.

John Bates

Another example of how TTTG and HTPAA members can investigate Australia's industrial history.

TTTG Publications

The TTTG Committee has been concentrating on securing premises.

Signing an agreement with Ryde Council for the use of Brush Farm House led to more hectic activity for the TTTG Committee.

As well as planning the move to Brush Farm House the Committee also was busy organising interim workshop venues for the transition period.

The 2014 TTTG Sydney Tool Sale was on in this frantic period.

Publications have had to wait until after the move to Brush Farm House.

Many TTTG members have asked about ***The Best of JD's Number 2***

Production work on publications will resume after the Sydney Wood Show.

Green Woodworking

Brad van Luyt

I have been following a number of blogs on green woodworking, notably Peter Follansbee's and Robin Wood's but I have also enjoyed looking at this one rundellandrundell.blogspot.com.au

There is one entry on the difficulty of finding Australian timbers suitable for green work which discusses the using of timbers recovered from urban areas and in this case a local botanic gardens.

I think this lack of raw materials is the biggest problem TTTG faces in developing some Sydney based green woodwork workshops.

Alastair Boell of the Melbourne Guild of Fine Woodworking www.mgfw.com.au has such a business where he has teamed up with an arborist mate of his and he recovers all manner of exotic species from the gardens of Melbourne. I don't think anyone does this in Sydney.

Another interesting site is wisdomthroughwood.com
This bloke runs courses and workshops. Maybe a bit *touchy-feelie* but it looks good.

Looks like he uses one of the *bi-pinnate Acacias*, something like *A. decurrens* or *A. mearnsii*. They are local species but I don't know if Bushcare would let me cut them down for a bit of woodworking fun.

I'd like to do a course with him but it's a bit far to go. Even further from Engadine than Ryde.

TTTG plans to develop a series of Green Wood Working workshops.

Brad VanLuyt is involved in bush regeneration and interested in traditional skills and hand tools.

Brad has been undertaking some preliminary research into the logistics of TTTG developing some "hands on" green woodworking workshops and events.

When TTTG has settled into Brush Farm these workshops will be introduced, realistically this will be towards the end of 2014, maybe even into 2015.

There is a large nature reserve across the road from Brush Farm containing remnant flora. The original Brush Farm Estate is on the Sydney Turpentine Ironbark Forest (STIF - An Endangered Ecological Community).

The local Bush Regeneration group does an excellent job in caring for the Brush Farm Reserve.

It will take time and planning but eventually there will be a *TTTG Event* at Brush Farm House focusing on bush skills.

Sand Moulders' Tools

Thomas Monk

*The Original and Celebrated
Moulders' Tool Manufacturer*

Thomas Monk was established in 1849 located at Sandpits and Monument Road, Birmingham.

By 1937 Thomas Monk was incorporated into the tool maker Joseph Tyzack & Son Ltd. Meersbrook Works, Sheffield.

Joseph Tyzack & Son Ltd. 1937 Catalogue

*Sand Moulders smooth foundry
sand patterns for pouring.*



NORTH ASPECT
MEERSBROOK WORKS

SHEFFIELD'S "3-LEG" TOOL HOUSE
ESTABLISHED 1837

REGISTERED TRADE MARKS

REGISTERED
J T
TRADE MARK.

INCORPORATING
TRADE MARK.

THOMAS MONK

"3-LEG"
"FITZWILLIAM & CO."
"THE VALLEY"
"JOHN BUXTON"

"JOSEPH TYZACK & SON"
"BOWDON & CO."
"G. NAYLOR & CO."
"DÆDALUS & CO."

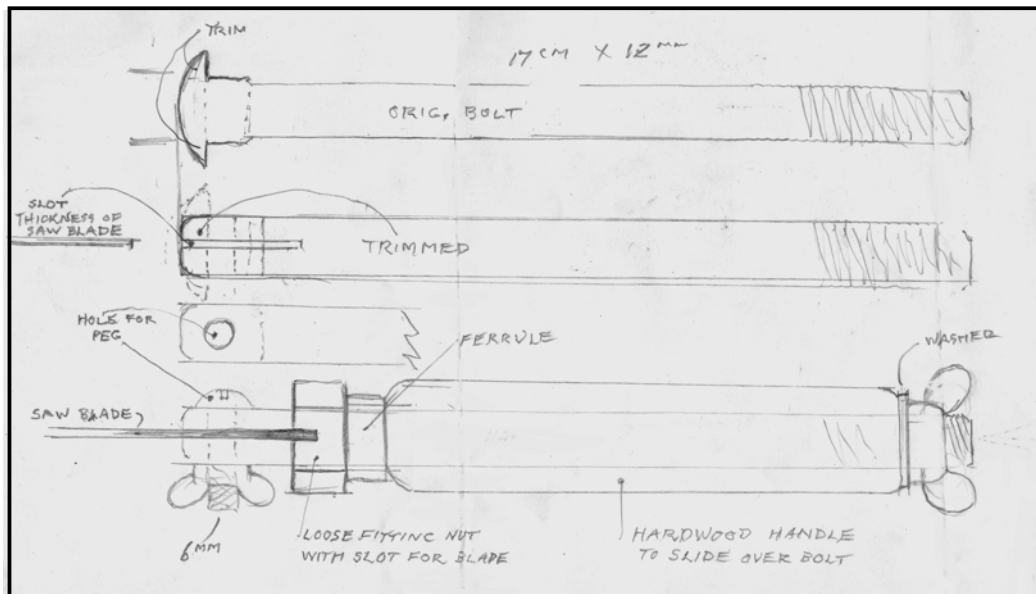


SOUTH ASPECT
MEERSBROOK WORKS

Cross-Cut Saw Auxiliary Handle

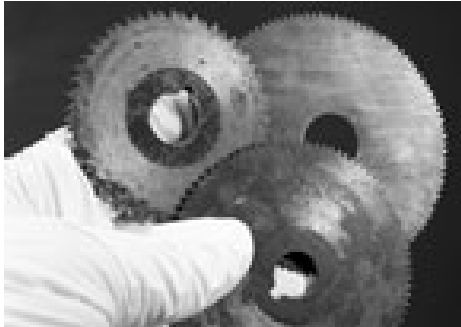
Mike Williams

A couple of issues back, I asked whether anyone had any auxiliary peg handles for a Disston-type cross-cut saw as I was missing one. **Kevin Little** contacted me because he had had the same problem some time ago and had designed a very workable replacement handle from scrap lying around his workshop. He provided me with a sketch of his design and has allowed me to publish it in this issue. In addition, he has lent me his prototype to photograph and it appears below. Apart from a few practical details (a square nut replaces the top wing nut and the handle is turned) you can see that it does the job admirably and has been made from scrap items found in his workshop.



Watts' Workshop

Science Museum London



*Early circular saw blades
or Slitting saws?*

TTTG members with an interest in engineering should visit this site. James Watt's home workshop is fairly intact. Watt had a treadle lathe and numerous hand tools. I doubt the curators of this exhibit contacted TATHS to help i identify Watt's tools.

At least they were right with the saw below, it is a stone cutting saw and would have been used to cut up the blanks for Watt's patent Bust Carving Machine.



Review

Stuff Matters

The Strange Stories of the Marvellous Materials That Shape Our Man-Made World
Mark Miodownik

Viking Penguin Books 2013

This book is about the materials making up our world.

The content includes Roman Nails, Steel, Paper, Concrete, Chocolate, Foam (Silica aerogel), Plastic, Glass, Graphite and Porcelain.

The author concludes his discussion of materials science with chapters on human implants and on synthesis. As you may have guessed the author is obsessed with "stuff" but he is also interesting and can write well.

Read this book and you will learn a lot while enjoying yourself.

Interesting Tool Museum Camden NSW

George Sadler

http://www.camden.nsw.gov.au/page/camden_museum.html

This museum has loads of nice tools some within hands reach, though there are cameras, some on the wall within reach and some in the chest and display cabinet.

There are tools of all kinds, a section dedicated to carpenters and blacksmithing etc, which are all from local area, not too specific, there is some history stories to read placed around the museum.

There was a timber mill here built back in Macarthur's time just on the entrance to Camden. Really interest place, two levels and half top level is just dedicated to tools of all kinds. The museum open 7 days all day and free entry or coins offered.

Berg Tools

The mystery of Berg Tools has been solved due to a chance phone call from a man in Strathfield Sydney to the HTPAA in Melbourne seeking information on a Carter #7 plane..

Alec Bergsman manufactured tools in Sydney during the war years 1939-1945. After the war Alec was a pioneer of the fibre glass boat industry in Australia.

The story of Alec Bergsman's life is told by Jacob Grossbard in

**Searching for Answers-
Bergs Australian Tools revisited**

The Tool Chest

Issue 111 February 2014

Both HPAA and TTTG are always interested in receiving reports of Australia made tools and copies of Tool Catalogues or newspaper advertisements by Australia tool manufacturers and retailers.

TTTG Reviews

NEWS regularly reviews books and magazines.

The editor of *NEWS* does not attempt to review or even to mention every publication that may interest TTTG members. There is not enough space in *NEWS* to publish comprehensive reviews of related publications.

The editor encourages TTTG members to submit reviews for publication.

Essential reading for TTTG members

All TTTG members should also seriously consider becoming a member of
The Hand Tool Preservation Association of Australia HTPAA

NEWS and *The Tool Chest* are essential reading for anyone into old tools.

2015 TTTG Sydney Tool Sale

The Brick Pit Stadium Thornleigh

Same place, same price!

22 February 2015



2014 TTTG Sydney Tool Sale

Over 60 tables selling quality tools

Over 420 buyers came to the tool sale

All the sellers were happy!