NEWS 182

December 2024

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Contents

NEWS 182

December 2024

Cover: Stevens & Co: Special Tools for Radio Builders. Stevens & Co, USA, 1924

TTTG IS A MEMBER OF THE AUSTRALIAN MEN'S SHED ASSOCIATION

TTTG President's Report

John Deeble

As 2024 draws to a close, TTTG has enjoyed its 23rd year of successful operation. So much has changed in the world of tools since 1992, however a strong interest in traditional tools and skills remains not only in Australia but across the world. It has been pleasing to see the group strengthen existing links with similar groups and forge new links with groups in Australia and New Zealand.

I must thank the 2023-24 Committee for all their assistance running TTTG. Many of the current committee have had long-term involvement with the group. A special mention must go to John Bates who has once again performed the roles of Secretary, Treasurer and the task of preparing and circulating "NEWS", along with so many other essential tasks to keep the group operational.

At the Tuesday 8 October AGM, the members present endorsed the new Committee for 2024-25, which is as follows:

President	– John Deeble
Vice President	– Matt Pryor
Secretary and Treasurer	– John Bates
Committee	– Henry Black, Jim Windschuttle, Greg Pryor and Hugh Johnson.

I look forward to once again working with this talented and very knowledgeable group and others who assist throughout 2025.

This year we have been most fortunate to have the expert support of Richard Luckhurst to review and rebuild the TTTG Website. Thanks also to Tom Marinov for his ongoing involvement in this vital project. All going well the new website will be up and fully operational by the end of December. Log on and check out the new look and features. We could not have achieved this result without the very generous support provided by Richard. Keep Richard in mind if you or other organisations are looking to develop a website.

We must also thank Richard for organising the visit to the HARS Aviation Museum at Albion Park on October 12. A great day was enjoyed by all who attended. It was also great to catch up with a number of our members who live in the Illawarra on the day.

The regular program of Tool Sales has been a great success in 2024. Plenty of sellers at every sale so get in early if you want to book a table next year. Here are the dates for your 2025 diary:

- 2025 Sydney Tool Sale @ Thornleigh – Sunday 23 February – 9.00am to 1.00pm
- Members & Friends Tool Sales @ Old Eastwood Town Hall – 8.00am to 11.30pm on Sunday 18 May, Sunday 24 August, and Sunday 7 December 2025

Planning for the TTTG 23 February 2025 Tool Sale at the Brickpit Sports Stadium at 1A Dartford Rd, Thornleigh NSW is now well underway. Event promotion will again utilise "Weekend Notes". Plus Linda Nathan from Australian Wood Review has kindly agreed to promote the event in "Wood Diary" of upcoming AWR magazine editions. We greatly appreciate Linda's support. We are also very lucky to have advertising supplied by the team at Carbatec Sydney. Special thanks to Steve and Cameron for their ongoing support.

Very best wishes to all our members and friends who continue to support TTTG activities, for a safe and Happy Christmas and a prosperous and healthy New Year.

Piper No 2 Tapping Chuck: The 'missing' instructions (the devil is in the detail)

Hugh Johnson

As a frequent visitor to various metal and wood working forums in search of edification on numerous subjects, I have often come across posts requesting the prevision of manufacturer's instructions for many machines and tooling.

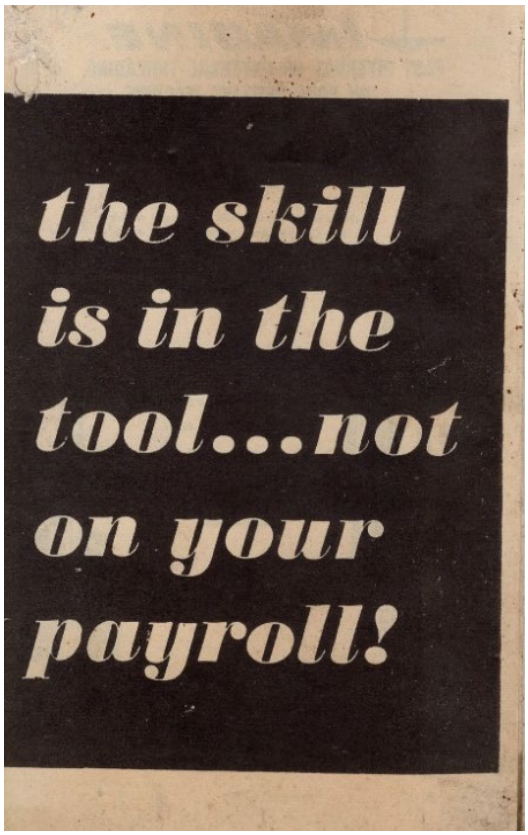
This usually prompts a generous response from the members of the forum with the required information or a location on the web where it could be obtained. That being said the availability of information for some Australian produced items is somewhat scarce and, in some cases, non-existent.

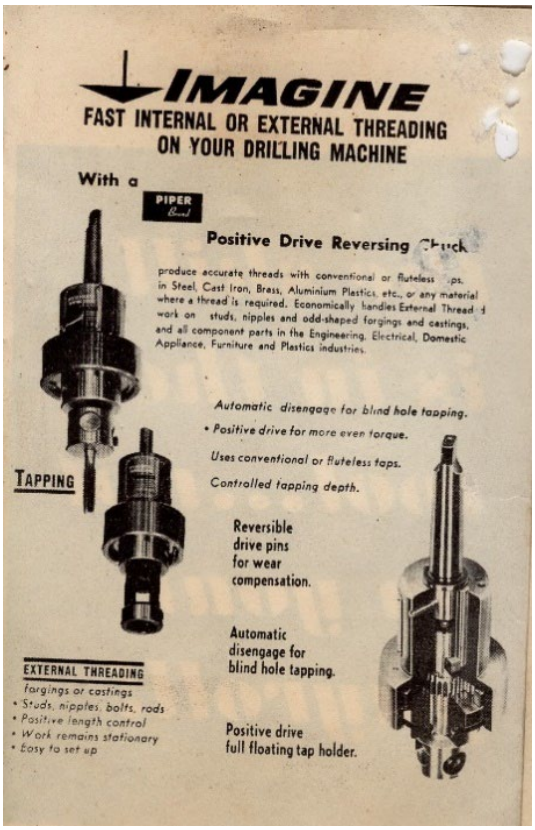
This has caused me to ask about and seek this type of information when attending sales of equipment. Seldom are these types of documents kept with the tool or machine they pertain to. Usually, they are stored way in a draw or box, the contents of which is not perceived to have any value, which is subsequently discarded. This is particularly the case in deceased estates sales. However, there are exceptions.

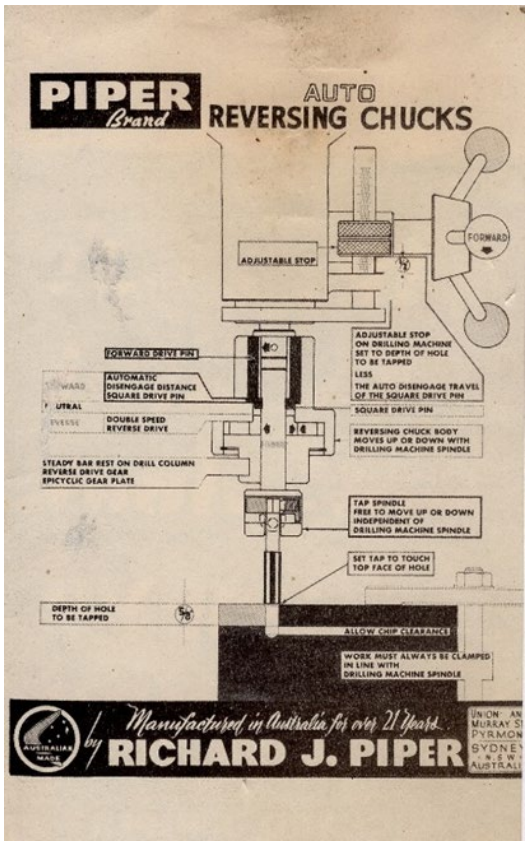
I recently attended a sale of the contents of a business and picked up a Piper No 2 tapping chuck. I initially found the storage box lying on a bench covered in decades of dust but without the tapping chuck. Under the considerable layer of dust were a set of operating instructions. The chuck was located later when I happened to notice that of all places for it to be but in the spindle of the nearest drill press.

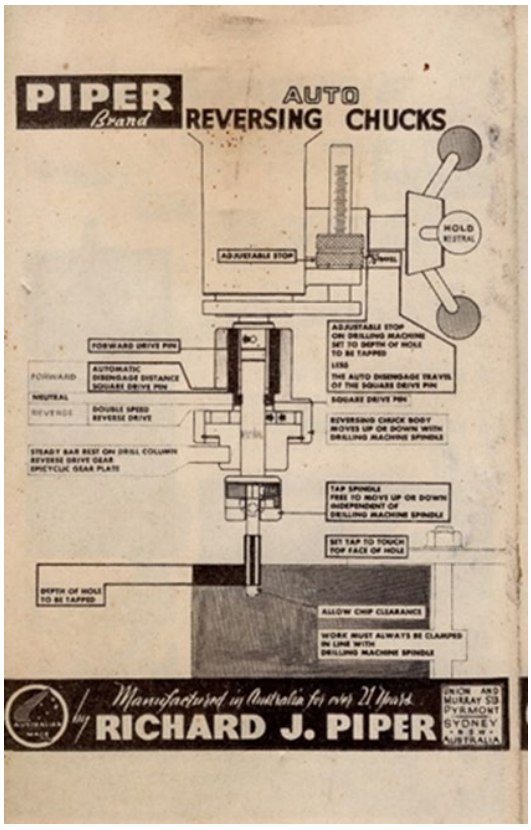
LEFT: instructions as found

RIGHT: united with the chuck


the skill
is in the
tool...not
on your
payroll!


IMAGINE
FAST INTERNAL OR EXTERNAL THREADING
ON YOUR DRILLING MACHINE
With a
PIPER
Positive Drive Reversing Chuck
produce accurate threads with conventional or fluteless taps in Steel, Cast Iron, Brass, Aluminium Plastics, etc., or any material where a thread is required. Economically handles External Threading work on studs, nipples and odd-shaped forgings and castings, and all component parts in the Engineering, Electrical, Domestic Appliance, Furniture and Plastics industries.
TAPPING
Automatic disengage for blind hole tapping.
Positive drive for more even torque.
Uses conventional or fluteless taps.
Controlled tapping depth.
Reversible drive pins for wear compensation.
Automatic disengage for blind hole tapping.
EXTERNAL THREADING
forgings or castings
Studs, nipples, bolts, rods
Positive length control
Work remains stationary
Easy to set up
Positive drive full floating tap holder.


PIPER Brand
AUTO
REVERSING CHUCKS
ADJUSTABLE STOP
FORWARD
FORWARD DRIVE PIN
AUTOMATIC DISENGAGE DISTANCE SQUARE DRIVE PIN
NEUTRAL
REVERSE
DOUBLE SPEED REVERSE DRIVE
ADJUSTABLE STOP ON DRILLING MACHINE SET TO DEPTH OF HOLE TO BE TAPPED
LESS
THE AUTO DISENGAGE TRAVEL OF THE SQUARE DRIVE PIN
SQUARE DRIVE PIN
REVERSING CHUCK BODY MOVES UP OR DOWN WITH DRILLING MACHINE SPINDLE
STEADY BAR REST ON DRILL COLUMN
REVERSE DRIVE GEAR
EPICYCLIC GEAR PLATE
TAP SPINDLE FREE TO MOVE UP OR DOWN INDEPENDENT OF DRILLING MACHINE SPINDLE
SET TAP TO TOUCH TOP FACE OF HOLE
DEPTH OF HOLE TO BE TAPPED
5/8
ALLOW CHIP CLEARANCE
WORK MUST ALWAYS BE CLAMPED IN LINE WITH DRILLING MACHINE SPINDLE
Manufactured in Australia for over 21 Years
by
RICHARD J. PIPER


PIPER Brand
AUTO
REVERSING CHUCKS
HOLD NEUTRAL
ADJUSTABLE STOP
FORWARD DRIVE PIN
AUTOMATIC DISENGAGE DISTANCE SQUARE DRIVE PIN
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REVERSE
DOUBLE SPEED REVERSE DRIVE
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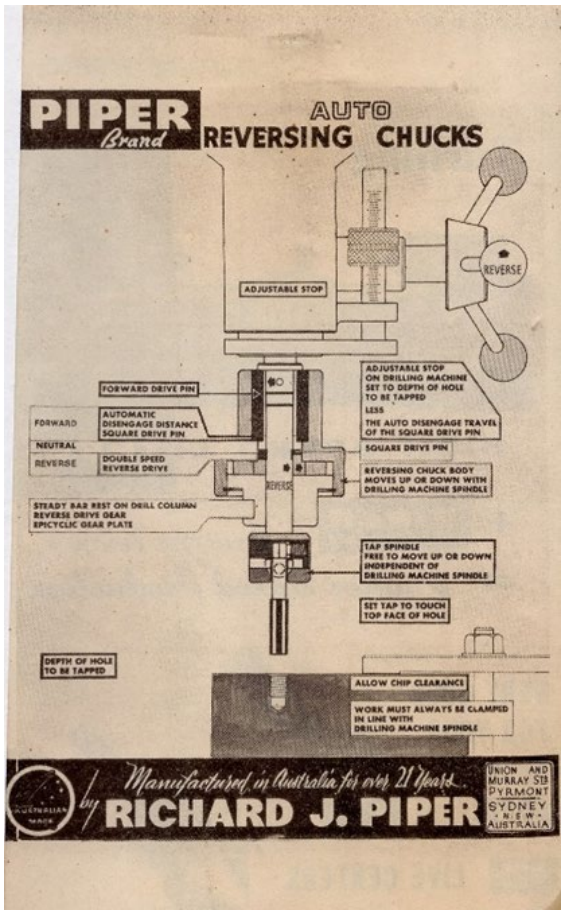
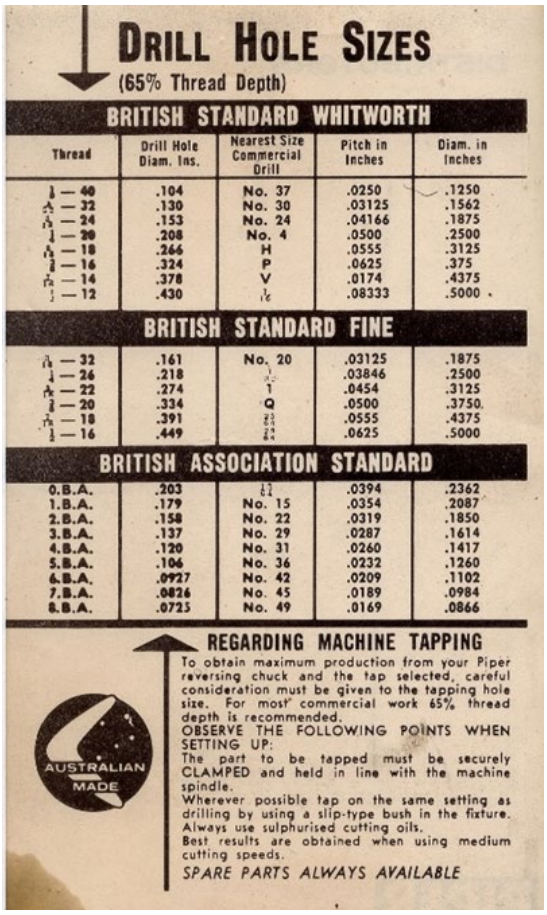




DRILL HOLE SIZES

(65% Thread Depth)

BRITISH STANDARD WHITWORTH

Thread	Drill Hole Diam. Ins.	Nearest Size Commercial Drill	Pitch in Inches	Diam. in Inches
1/8 — 40	.104	No. 37	.0250	.1250
5/32 — 32	.130	No. 30	.03125	.1562
3/16 — 24	.153	No. 24	.04166	.1875
1/4 — 20	.208	No. 4	.0500	.2500
5/16 — 18	.266	H	.0555	.3125
3/8 — 16	.324	P	.0625	.375
7/16 — 14	.378	V	.0174	.4375
1/2 — 12	.430	7/16	.08333	.5000

BRITISH STANDARD FINE

5/32 — 32	.161	No. 20	.03125	.1875
1/4 — 26	.218	13/64	.03846	.2500
7/32 — 22	.274	I	.0454	.3125
3/8 — 20	.334	Q	.0500	.3750
7/16 — 18	.391	25/64	.0555	.4375
1/2 — 16	.449	29/64	.0625	.5000

BRITISH ASSOCIATION STANDARD

0.B.A.	.203	13/64	.0394	.2362
1.B.A.	.179	No. 15	.0354	.2087
2.B.A.	.158	No. 22	.0319	.1850
3.B.A.	.137	No. 29	.0287	.1614
4.B.A.	.120	No. 31	.0260	.1417
5.B.A.	.106	No. 36	.0232	.1260
6.B.A.	.0927	No. 42	.0209	.1102
7.B.A.	.0826	No. 45	.0189	.0984
8.B.A.	.0725	No. 49	.0169	.0866

AUSTRALIAN MADE

REGARDING MACHINE TAPPING

To obtain maximum production from your Piper reversing chuck and the tap selected, careful consideration must be given to the tapping hole size. For most commercial work 65% thread depth is recommended.

OBSERVE THE FOLLOWING POINTS WHEN SETTING UP:

The part to be tapped must be securely CLAMPED and held in line with the machine spindle.

Wherever possible tap on the same setting as drilling by using a slip-type bush in the fixture.

Always use sulphurised cutting oils.

Best results are obtained when using medium cutting speeds.

SPARE PARTS ALWAYS AVAILABLE

Interestingly the pamphlets front page has the byline "***the skill is in the tool…not on your payroll!***" indicating that the use was intended for unskilled labour not tradesmen. Also noteworthy, there is an adaptor depicted that enabled external threading to be conducted

As with everything experience overcomes most issues. Most tradesman of old could "nut out" how the item or attachment would function. But with the decline in the trades this is now not the norm and the acquisition and scanning of documents such as the above becomes important with the information gleaned made available online for the edification of all.

If you have instruction pamphlets sitting in the box with a tool or piece of equipment, consider scanning them and placing them online.

Alternatively if you do not have the capacity to do the above consider donating them to TTTG.

PIPER Brand **TOOLS**

Direct Drive Universal Reversible Tapping and Threading Chuck
Operating Instructions

The Positive Drive, in line with high speed machine tapping procedure has been developed to hold the Tap true under all operating conditions, with increased cutting speeds, and tap holes parallel and on size.

The simplified design with less wearing parts makes for easier operation and minimum maintenance.

Fitted to any drilling machine the Tap Chuck performs internal or external threading in all materials: Steel, Cast Iron, Brass, Aluminium and Plastics.

In order to obtain maximum production from your Tap Chuck and the Tap selected, careful consideration must be given to the TAPPING HOLE SIZE. For most commercial work 65% thread depth is recommended: Check chart supplied for Tapping Drill sizes.

To obtain the best results, the following points should be observed when setting up.

1. The part to be tapped must be securely CLAMPED and held in line with the machine spindle.
2. Wherever possible Tap on the same setting as drilling by using a slip type bush in the fixture.
3. Always use Sulphurised Cutting Oils, light or heavy according to operation and cutting conditions.
4. Best results are maintained when using medium cutting speeds. High spindle speeds sometimes produce inaccurate work due to the speed at which the Tap enters and leaves the work.
5. BLIND HOLE TAPPING. Allow sufficient clearance for chip accumulation in the bottom of the hole. Move the Tap down to the work until it touches the top face of the hole. Set the depth stop on the drilling machine the required tapping depth less 1/8th". This distance of 1/8th" travel after the spindle touches the depth stop is used to automatically disengage the forward Tap driving mechanism. When the drill spindle is raised the double speed reverse drive is engaged and the tap is backed out.

AUSTRALIAN MADE

Manufactured in Australia for over 20 years

RICHARD J. PIPER UNION STREET, PYRMONT, SYDNEY

Trammels / Beam Compass

Neil Searle, NZVTCC*

There are dozens if not hundreds of different designs, shapes and sizes, using many different materials for the production of trammels. I will include several from my collection and a few interesting and unusual varieties of trammels and beam compasses.

The beam compass invention is attributed to George Adams. George Adams the younger (1709–1772) was an English scientist, optician and scientific writer. He began making scientific instruments for the East India Company from 1735, was mathematical instrument maker to the Royal Ordnance from 1748 to 1753, and later instrument maker to the Prince of Wales and King George III. He also supplied the instruments for Captain Cook to observe the transit of Venus in 1769.

Fig.1. Made in 1775-1795 by George Adams in Fleet Street, London. He traded at Shoe Lane, London (1733-8), Tycho Brahe's Head, Fleet St., London (1738-57) & 60 Fleet St. (1767) succeeded by George Adam the Younger. The beam trammel in Fig.1. Consists of a mahogany beam inlaid with a boxwood scale of 0 - 33 inches and divided into tenths. The pointer can be finely adjusted by means of a micrometer screw one end.

Fig.2. A homemade beam compass.

Fig.3. Very Unusual Flat Bladed Trammel Points on a lacewood Beam. The trammels are 4 & 3/8” high.

Adjustable Trammels work great for marking over large distances; tracing contours and scribing circles. Trammel heads are used in layout work to scribe circles and arcs that are too large to be drawn with a divider or compass.

Like dividers, when used with a beam, trammel heads are an effective transfer measuring tool. The trammel points are positioned on either side of an object or set distance. The distance between the trammel points is then checked against a measuring device like a ruler.

Fig.4. Unusual Telescoping Beam Compass. For drawing larger circles or curvatures larger than those possible with the small compass sets. A scaled beam is required to carry the two

trammels found inside the small casement. A telescopic beam compass having several tubular parts sliding one within the other, and clamping screws to fix them at the desired position. Possibly John F. Ellsworth patent 1901.

Older trammel point sets are fairly heavily embellished with decorative engraving and ornamental finishes. They were often exquisitely machined pieces occupying a place of pride in their owner's collection.

Fig.5. My Disston & Morss trammels. Joab Morss ran a Tool Shop Division (a "sub-partnership"), in conjunction with Henry Disston under the umbrella of "Henry Disston", thru the "Henry Disston & Sons" Company from 1867-1879. Morss passed away in 1879. His tool shop division produced tools not associated with saws and his name likely was carried on selected tools of that Division to 1900, when the Division was discontinued.

Made prior to about 1900 are marked "Disston & Morss". Joab Morss was Henry Disston's partner from 1867-1879, when he passed away. Disston & Morss became a Division of H. Disston & Sons from then until about 1900, when it was absorbed into the main company. This division made gauges, levels, bevels, squares and other measuring tools.

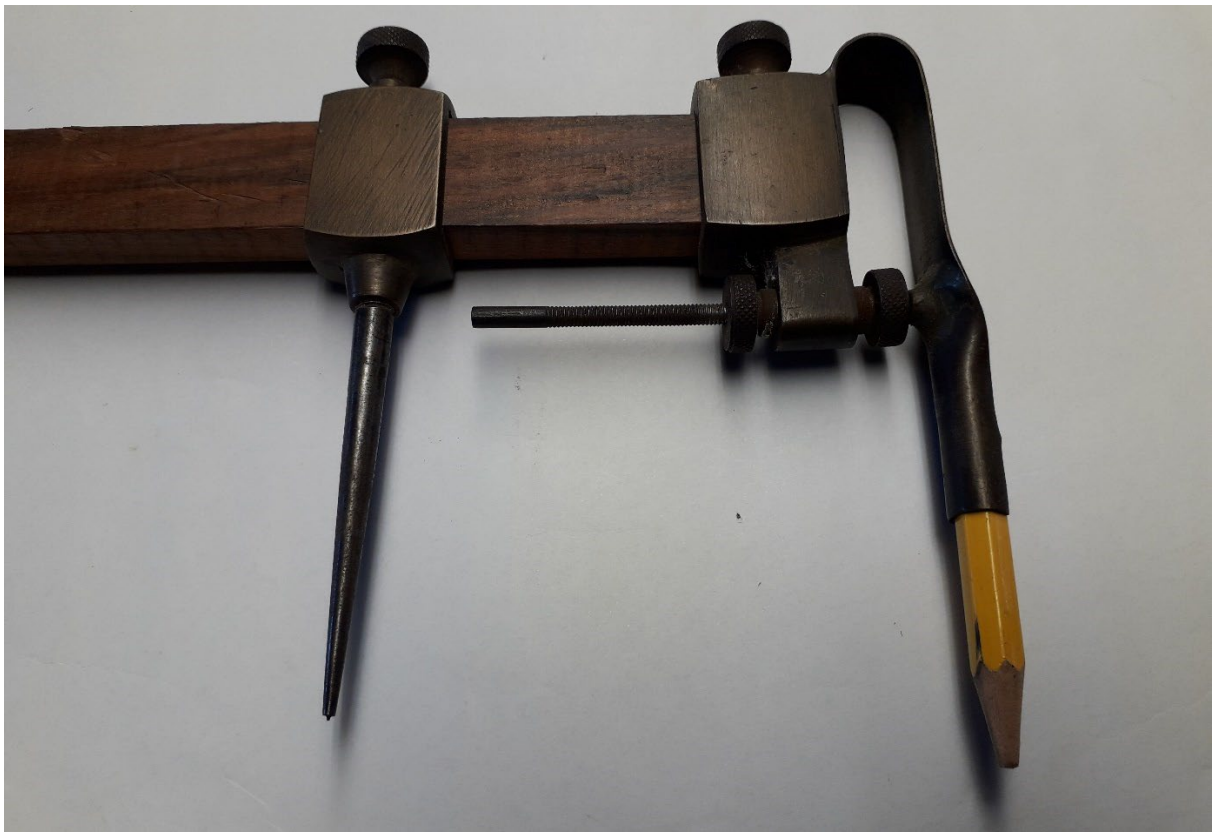


Fig.6. My Beam Compass, unmarked although possibly made by the Stanley Rule & Level Co. Possibly the Henry Haslam patent of June 7, 1892, for the pencil holder attachment. The manufacturer was The Stanley Rule & Level Co. - New Britain, CT and one of the witnesses was Justus A. Traut.

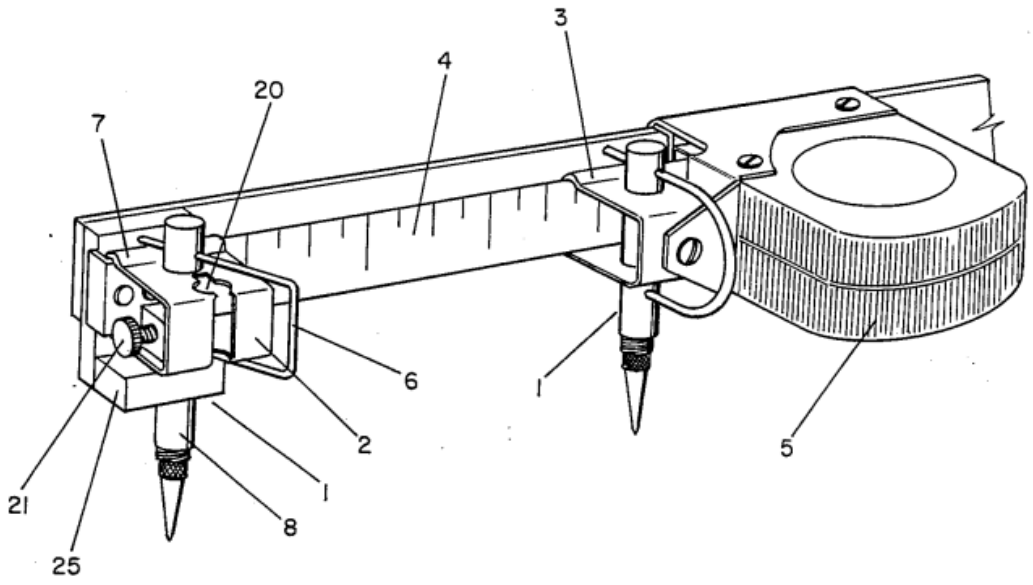


Fig.7. US patent 4547937 October 22, 1985. Fred Owens invented a trammel point attachment to steel tape rule.

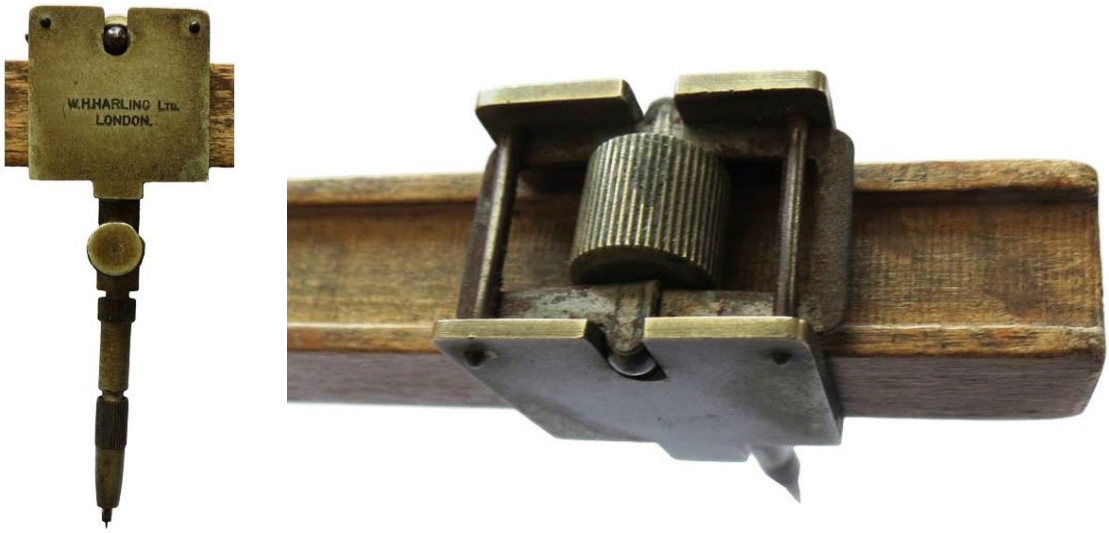


Fig.8. Beam compass/trammel made by WH Harling Ltd, London. “Quick set” beam compass/trammel made by WH Harling Ltd (c.1930), London consisting of a wooden beech (?) beam and two trammel points each bearing the maker’s name. The top of the beam is grooved to allow the trammels to be positioned by rotating the knurled wheel at the top of each trammel. One trammel would be clamped and the other has the roller.

W. H. Harling founded the firm in 1851 at 47 Finsbury Pavement, London. They specialised in making drawing instruments, with a factory at Grosvenor Works, Hackney, London. The trammel roller in Fig.4. Is similar set-up that Harling used in his ‘Parallel Rolling Rule’ that was used for ship navigation.

Fig.9. T. Alteneder & Sons, Beam Compass Set. Philadelphia, USA. The set would have been bought in a small case lined with velvet. Circa, Mid-20th Century. A set of wheels for extra stability and accuracy.

Fig.10. Often referred to as Trammel of Archimedes. An Ellipsograph on display at Musée d'histoire des Sciences de la Ville de Genève. A trammel of Archimedes is a mechanism that generates the shape of an ellipse. It consists of two shuttles which are confined ("trammelled") to perpendicular channels or rails and a rod which is attached to the shuttles by pivots at fixed positions along the rod.

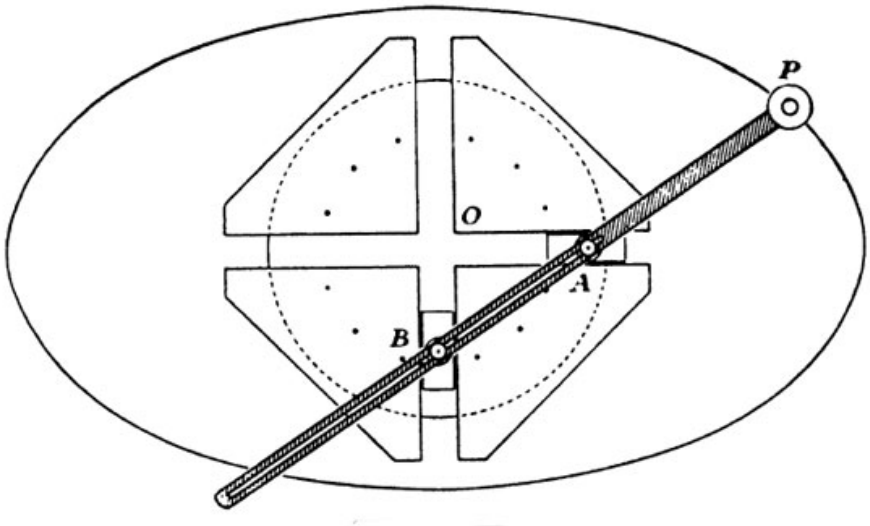


Fig.11. The ‘Ellipsograph’ or ‘Trammel of Archimedes’ showing the ellipse.

Fig.12. If my Ellipsograph looks like the handle has been chewed by the dog, it does because it has.

Versions are also made as toys or novelty items (sold as do-nothings, nothing grinders, do nothing machines, smoke grinders, or bullshit grinders). In these toys the drafting instrument is replaced by a crank handle, and the position of the sliding shuttles is usually fixed.

References:

Smithsonian https://www.si.edu/
Sindelar Tool Museum
Early American Industries Association https://www.eaia.us/
Kings College, London https://www.kcl.ac.uk/
Jim Bode Tools https://www.jimbodetools.com/

- About the author: Neil Serle is a member of the New Zealand Vintage Tool Collectors Club and writer of tool-related topics. The NZVTCC is an associate member of TTTG and Neil has kindly allowed his article to be published in NEWS

If you have some 'novel' tools why not tell us about it.

Send details to secretary@tttg.org.au

What's in a Norris Name?

by Craig Rayner

Just before a recent trip to the UK I spotted something unusual on eBay, a Norris plane, advertised as an A2, at least that's what was stamped on the bridge. The plane seems to have had very little use with a near full length blade and the wood retains most of the original finish with the odd bit of toolbox rash. Neither the blade nor the plane is numbered, though the 2 ¼" blade has the usual T over stamping the N at the rear. The adjuster is the 1922 patent and the brass bridge boldly shows it is a Norris, London, Patent Adjustable A2.

Figure 1

Figure 2

So, what is it? The Norris tragics will have spotted this is a Norris A4.

Please see http://www.norrisplanes.com/norris-number-a4-dovetailed-steel-smoothing-plane/ for what an A4 looks like and below at figures 3 and 4 I have shown a "normal" A4 beside the supposed A2.

So why is there an A2 bridge on an A4? Would Norris planes do this knowingly, or is it just a mistake? Or has someone messed with it?

Figure 3 **Figure 4**

On the latter point there are no signs of anyone tampering with the original pin through the bridge. See figure 3 and 4 below. In fact you can't even see where the pin is on the outsides.

Accepting the pin has not been messed with, then the plane was made in the factory with the incorrect bridge on it.

Did they run out of A4 bridges and they had an A2 bridge handy? Did someone have a really bad "night before" and wasn't seeing straight? Or are the bridges stamped as the plane is made and someone made a mistake, and went stuff it, just use it! Given the care and attention to detail on Norris planes these scenarios seem unlikely, though not out of the question.

One last possibility is one of the Norris staff made it for themselves out of odds and sods. Why do I suggest this? One thing of note is the difference in the wood at the front and back. The bun is a lighter brown with clear stripes, likely rosewood. The back is a very, very dark brown, almost the black of ebony. I haven't come across another Norris with such variation between the wood on the bun and the tote before, so it is a point of difference with other Norris planes. Possibly this plane was for use in the Norris factory, so any bits and pieces were used. That is an intriguing thought!

Figure 5 Left Hand Side

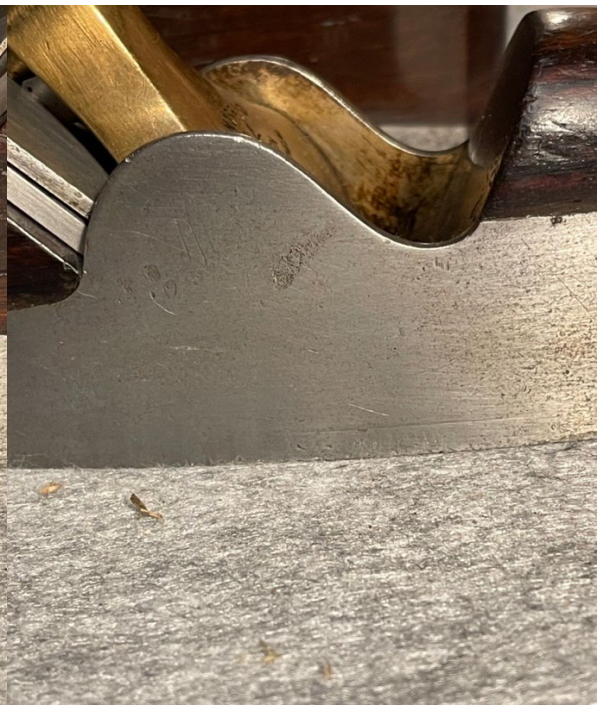


Figure 6 Right Hand Side

If it was sold, I wonder what the original buyer or dealer thought of this when they were purchasing the plane, or it arrived by mail. Maybe they didn't care as it is still a beautiful plane that does what it is meant to do.

Rather than giving answers I have raised a whole lot of possibilities and that is the fun of this plane. As an oddity I expect it is worth less than a "correct" A4, and I certainly paid a modest amount for it against what I expected to.

As an "oddity" it will just sit quietly in my Norris collection with its brother and sisters and bring a smile when I get it out.

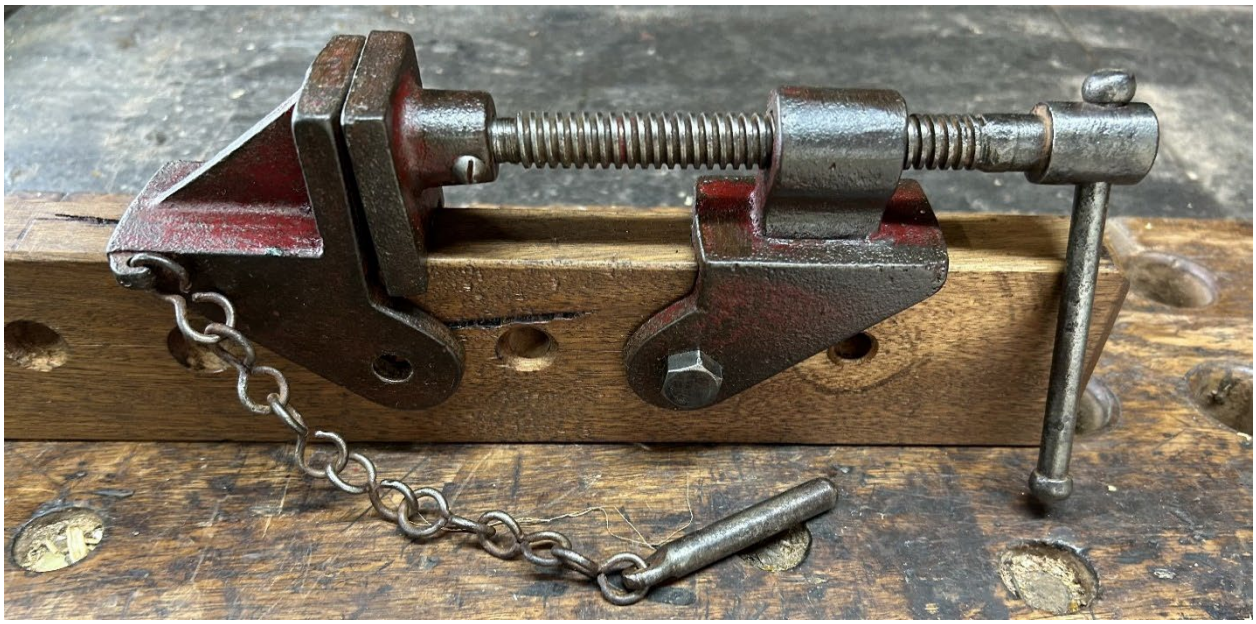
If any one has any ideas or other suggestions on what happened with this plane, please contact me on atungadowns@iinet.net.au. Always happy to talk about Norris planes. PS. John Daniels is partially responsible for my Norris addiction. I go to Norris Anonymous every month seeking help but so far abstinence has evaded me.

JDs – SILEX No.15 Adjustable Cramp Heads

by John Daniel

Many years back, I acquired a couple of simple cramp heads which I had fitted to a length of hardwood to set-up for a 'lineal vice.' At times one may need to cramp the length of stock end-on, especially when carving, also when required, the cramp can be held in a metalwork vice on a side bench to work at a more suitable height.

This cramp did have one disadvantage; when tightened, the jaws tend to lift which was especially annoying if the project required the cramp-faces square to the cramp.



ABOVE: The simple cramp has the head-jaw bolted to the rail (maker unknown).

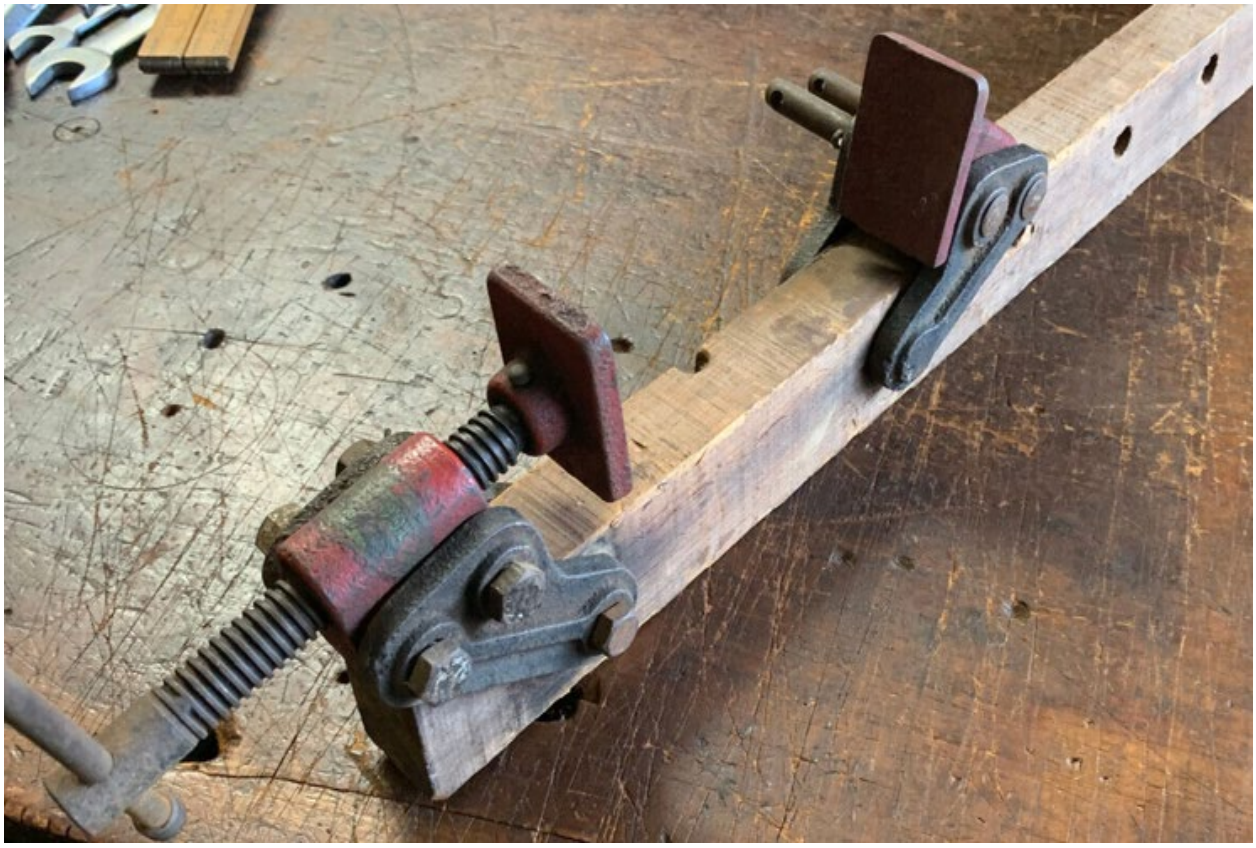
Only recently, I was given a pair of similar cramp heads manufactured by SILEX Australia which were intriguingly different, not solidly cast, but with side plates and rods to secure the heads to the rail.

Once cleaned, the heads were fitted to the end of a similarly prepared rail. When it came to comparing the two cramps, the SILEX cramp head had an obvious advantage, when under pressure it slid along the rail keeping the face of the cramp-head square, rather than having the tendency to tilt as with the earlier heads, however the SILEX heads that I have do have a design fault.

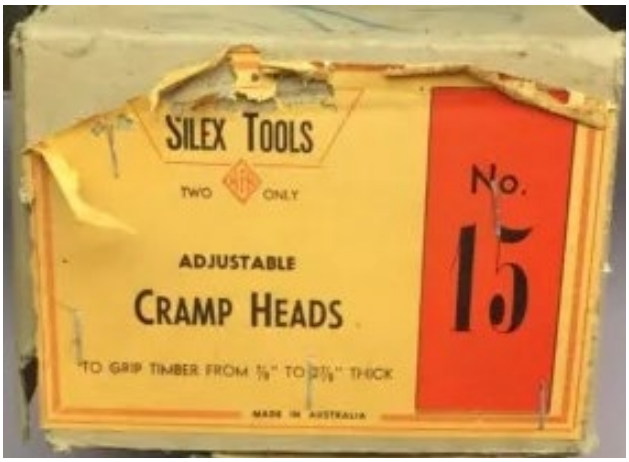
The securing bars/rods tend to allow side-movement as the pressure of the spring-securing clips are inadequate to hold the connecting plates from working apart. An obvious solution to this problem is to replace the bottom rod with a bolt which would prevent the side plates from spreading.

SILEX must have become aware of the problem, as they later (I assume later), altered the design of the side plates of the head jaw that allowed it to be firmly bolted to the rail. With two bolts at the top replacing the one rod at the cramping head, preventing any movement, and importantly, stopping any side play separating the plates.

The photo below (found online) shows the SILEX cramp with the redesigned heads.



The fixed head now has three bolts restricting any movement of the side plates, also a redesigned sliding head, (photo found online)



LEFT: The SILEX TOOLS Aust. (decal)

ABOVE: SILEX boxing (photo found online)

HISTORY OF SILEX TOOLS

Howard F Hudson (HFH) was shown to trademark the name "Silex Tools, made in Australia" on the 11 July 1946 under class description Hand Tools and Implements. HFH were based in Sydney. A lot of their tools were made for them by MIT- A- MIT, a division of Metalcraft Engineering Co, Woolloomooloo NSW. James B Clarence Co. A major manufacturer and supplier to Howard F Hudson of product carrying the Silex brand was James B Clarence Co.

James B Clarence Co was located at 73 Evans Street, Belmont, NSW which is about 15 km from Newcastle. The very successful business founded by James Brasnett Clarence in the early 1920's was purchased from him in the late 60's by his son James (Jim) Frederick Clarence. The number of employees peaked at about 35 but with continued introduction of automated machinery dropped to about 15 in later years. The company operated a zinc die-cast foundry, machine and paint shops, where tools were finished. Chrome and nickel plating was contracted to a firm in Sydney and shipped back to Belmont for final assembly, painting, and packaging.

Tools made by James B Clarence included: Dowelling jig. Butt and Bevel Gauges, 6,8, 10, and 12 inch Try Squares, Mortise and Marking gauges. G Cramps, National Sprinklers, Pully Blocks, and a Breast Drill was made in the earlier days.

The business closed soon after the death of Jim Clarence in 1984.

Reference: SILEX TOOLS, a brief history under the heading, ‘Some Silex Tools (A Work in Progress.)’ Post date: 28-Jun-2014; a well-researched article by the HTPS (Hand Tools Presentation Society}, Victoria).

G15 FERRO PAK RUST PREVENTATIVE

G15 is a contact corrosion inhibitor for the protection of ferrous and non-ferrous metals.

G15 – provides long-term corrosion resistance

- Is thermally stable from -40°C to 260°C without cracking, chipping, peeling, or sagging.
- Is thixotropic and therefore will not sag, run-off and is ideal for clean trouble-free application. G15 holds on sharp edges.
- Is resistant to sunlight. It has been tested for exterior exposure under adverse conditions and has passed such long-term tests without failure.
- Does not stain metal surfaces. When used over steel, copper, aluminium, and their alloys; the coating does not stain under normal conditions of exposure.
- Has good water displacing properties.
- Can be used as a general-purpose lubricant.

TTTG's PRICE – JUST $24 PER CAN

BUY IN BULK AND SAVE

12 CANS FOR $250 !!

ON SALE AT ALL MEETINGS AND TOOL SALES

What's It

by The Editor

TTTG Vice President, Matt Pryor, had an inquiry as to the identity and use of the tool below.

Quick as a flash Hugh Johnson responded, "*It is a Dudly Tool Company of Menominee, Michigan USA Bicycle Spoke Wrench*." Well of course it is! Was there ever any doubt?

And just in case, Greg Pryor provided the details from the US Patent Office.

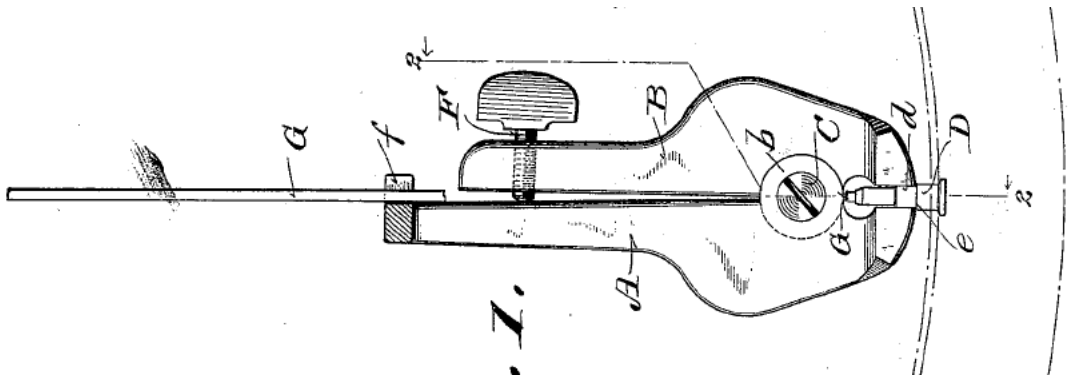
UNITED STATES PATENT OFFICE.

ALBERT DUDLY, OF MENOMINEE, MICHIGAN.

NIPPLE-WRENCH.

SPECIFICATION forming part of Letters Patent No. 520,562, dated May 29, 1894.

Application filed March 21, 1894. Serial No. 504,557. (No model.)



TTTG Products

Available at all TTTG Meetings Workshops & Events

TTTG Leather Chisel Rolls …….

$25 each

TTTG Sharp Oil ……..

$6 per bottle

TTTG SHARP OIL

Best on Oil Stones & Diamond Plates – Contains 240ml

NOT TO BE TAKEN – KEEP OUT OF REACH OF CHILDREN

SHAKE WELL BEFORE USE !

BONUS BUY – 2 BOTTLES FOR $10

TTTG Citric Acid ….

$5 per 500 gm jar

NEW G-15 ‘Ferro Pak’ Rust Preventative ….

$24 per can
or 6 cans for $125

TTTG Sydney Tool Sale

SUNDAY 23 FEBRUARY 2025

Remember the time: **9.00 am to 1.00 pm**

Remember the location:

Brickpit Sports Stadium
1A Dartford Road
THORNLEIGH, NSW

Remember the entry fee:

- **$10 per person – pay at the door and please have your $10 note or $10 in coins for entry.**

Remember to bring cash with you:

- **Some sellers may have electronic purchase facilities but the majority only take cash so bring small notes.**
- **PLEASE NOTE: THERE IS NO ATM AT THE VENUE**

TTTG Member? Got surplus tools to sell? Then hire a table:

- **$50 per table – contact the Secretary to book via secretary@tttg.org.au**
- **For insurance reasons only TTTG Members can book tables – membership is only $50 per year**
- **TTTG usually runs 4 tools sales each year**

75% OF TABLES ARE BOOKED – SO DON'T DELAY!

TABLES STILL AVAILABLE FOR FEBRUARY SALE

ASSISTANT PASSES 1 FOR EVERY EXTRA TABLE BOOKED

KavTak Tools
Lathe & Model Engineering Tools
www.kavtak.com.au

GARVIN TOOLS

Garvin Tools manufacture a range of precision-made and engineered tools for wood working and metal working. They also design and develop tools and products in-house to customers' specifications.

Based in New Delhi, India, Garvin started making quality tools in 1979, they now export internationally, and were ISO 9001 certified in 2015. They exhibited last year at the hardware trade show in Cologne, Germany.

KavTak.com.au, based in Glenwood, Sydney, NSW, are Garvin's exclusive Australian rep' and reseller.

The selection of tools that Garvin offer is vast, and therefore, at present it's not possible for KavTak Tools to offer the entire range - although they are always expanding their range based on customer demand.

If you can't find what your looking for online at KavTak Tools, then GarvinTools.com have online brochures, etc. Find what you need, let KavTak know and they can arrange to ship it on one of their annual visits. Or if it is urgent, air freight can be arranged.

Other Online Resources

Companies with good customer support are:

Machine Tools

machineryhouse.com.au

edisons.com.au

Tooling, Materials & Hardware

EdconSteel.com.au

aimsindustrial.com.au

boltandnut.com.au

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Finding the Balance

Time, Cost & Quality

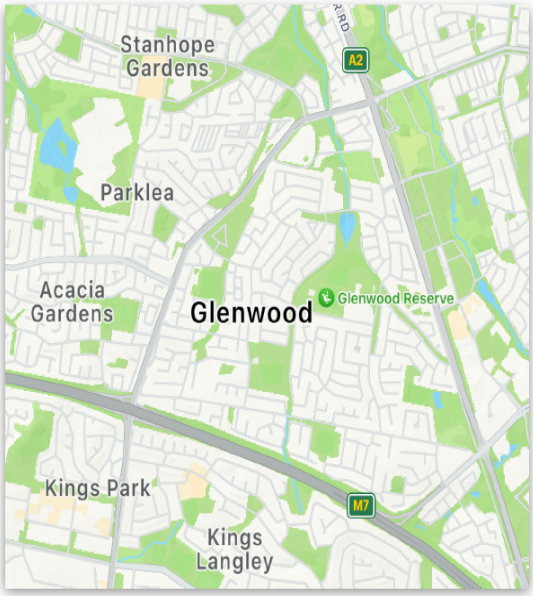
Makers are always trying to get the right balance in their own work, as well as when deciding to buy new gear, or indeed, restored gear, for their workshops.

The context at hand may sometimes require a trip to the hardware and a compromise with whatever the retailer has available at the time. But if there is enough time, waiting for local mail, or even shipping from overseas, is worth the wait.

Garvin Tools make quality products that are better priced in most cases than similar products that are made in Europe or North America.

KavTak are keen to make Garvin Tools available online to the Australian market, so check out:

kavtaktools.com.au



TTTG Fees and Contacts 2024/25

TTTG Membership & Entry Fees:

Membership (1 July 2024 to 30 June 2025)	$50.00
'Real Skills' Workshops	$70.00
Members Meetings entry	$5.00
Members & Friends Tool Sales entry	$5.00

TTTG NEWS Magazine & Tool Sales:

NEWS Magazine Editorial, Articles & Advertising:
John Bates secretary@tttg.org.au

All Tools Sales Information and Table Bookings
John Bates secretary@tttg.org.au

TTTG Memberships & Secretary:

John Bates secretary@tttg.org.au

TTTG Members Meeting & AUCTIONS

Old Eastwood Town Hall, 74 Agincourt Road, Marsfield, NSW

Members Meetings (open to all) are held on the second Tuesday in:
February, April, June, August, October and December

TTTG Auctions surplus tools – bargains galore!
Screws, locks, nuts & bolts, braces, hammers, saws, auger bits, and more. STARTING BID IS JUST $1.00

WHY DO WE HAVE TOOL AUCTIONS? WE HAVE TO PAY THE BILLS SOMEHOW!

For event details and news items see the NEW TTTG website
www.tttg.org.au