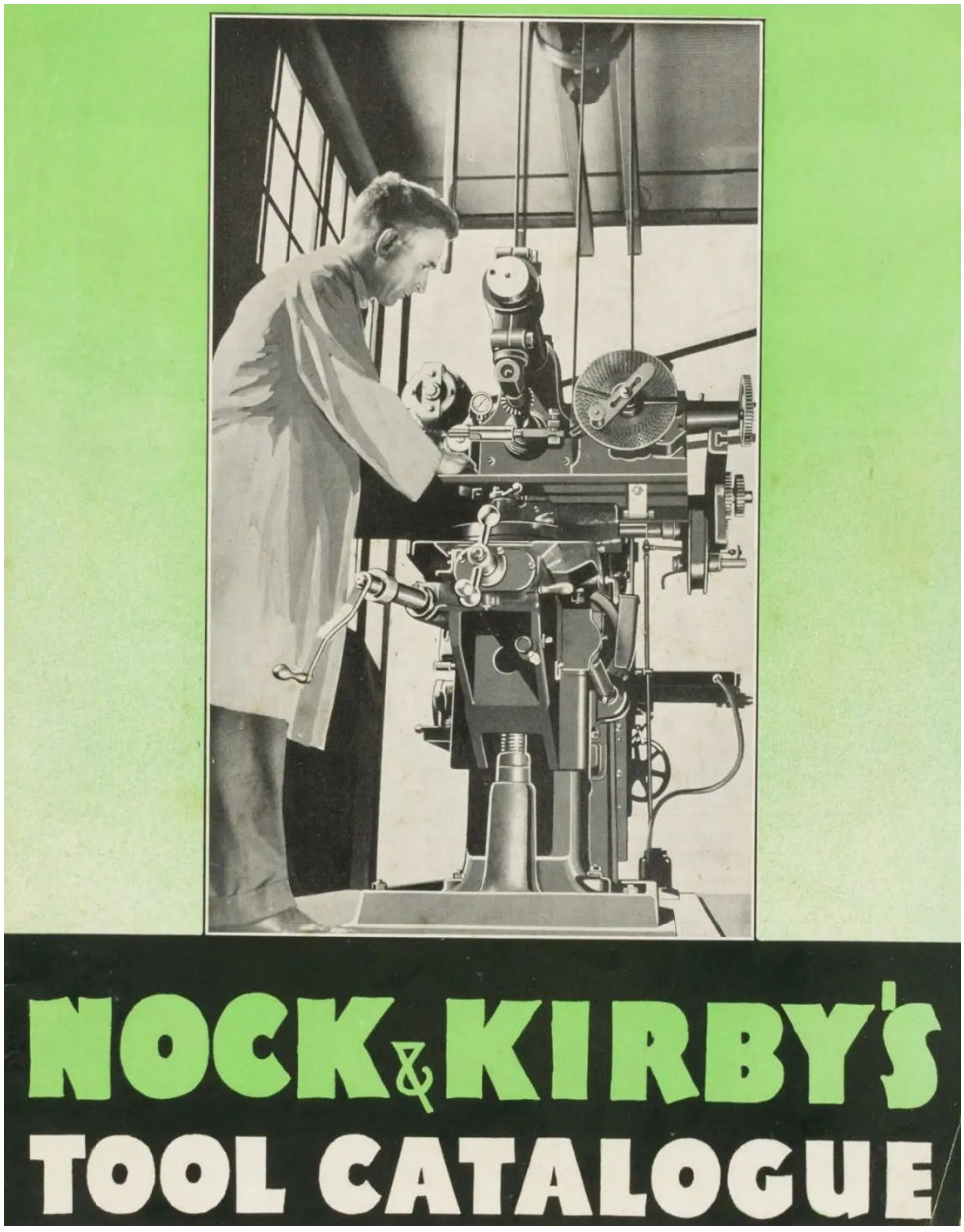
NEWS 179



March 2024

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Contents NEWS 179 **March 2024**

Cover illustration: Nock & Kirby's Tool Catalogue, Sydney, Nock & Kirby Ltd, 1930s.

TTTG Meetings and Events:

For details about Meetings, Workshops, and
Members and Friends Sales
Please visit our website:
www.tttg.org.au

TTTG President's Report

John Deeble

TTTG has once again enjoyed a great start to the year. The Sydney Tool Sale at the Thornleigh, Brickpit Sports Stadium was a great success with 23 sellers displaying their wares across 69 tables. Over 100 buyers lined up early looking for that elusive bargain! A steady stream across the morning, saw around 360 buyers attend the sale. One of our more successful Annual Tool Sales.

We thank Australian Wood Review and Australian Woodworker for including the sale in their events calendar. Other promotion through Australian Men's Sheds and Sydney Woodworkers contributed to our great attendance on the day.

The group received exceptional promotion for the sale from the team at Carbatec Sydney. Steve and his team actively promoted the sale in the store. Carbatec are also offering special discounts to TTTG members for in store and online purchases. Details are provided in this edition of News.

A special thank you to all the TTTG Committee without whose input the Sydney Tool Sale would not take place. This year, thanks to Penny and Mike Williams, we sold a range of TTTG products. Their support and assistance are greatly appreciated.

It has been most pleasing to see attendances at recent Members Meetings on the rise. It has been great to welcome back some members we have not seen for some time and to see some new faces, who, in a number of cases have now joined the group. Members are encouraged to bring a friend to TTTG meetings and events. We will be working hard to make the meetings interesting with guest speakers and sales of surplus tools. Hopefully members may choose to sell their surplus tools at these meetings. Please approach me or John Bates if you wish to sell tools at our Members Meetings.

Carbatec have kindly organised the Tormek Representative to provide a demonstration of their well-known sharpening system at the April 9 Meeting. I look forward to seeing attendances at TTTG events growing in 2024.

TTTG is now a registered charity and is endorsed by the ATO for charity tax concessions. Our certificate from the Australian Charities and Not-for-profits Commission is at page 29. TTTG has also renewed its membership of AMSA for 2024 (see page 28).

Our "Members and Friends Tool Sales" at Old Eastwood Town Hall were popular throughout 2023 and we will again offer these to members in 2024. Table bookings are co-ordinated by John Bates email secretary@tttg.org.au . Get in early. The dates for your diary are as follows:

- Sunday 19 May 2024 – 8.00am to 11.30am
- Sunday 25 August 2024 – 8.00am to 11.30am
- Sunday 01 December 2024 – 8.00am to 11.30am

Tell your friends and make these popular events even more successful.

I look forward to sharing friendship and information with members and visitors to ensure the ongoing viability of this unique organisation.

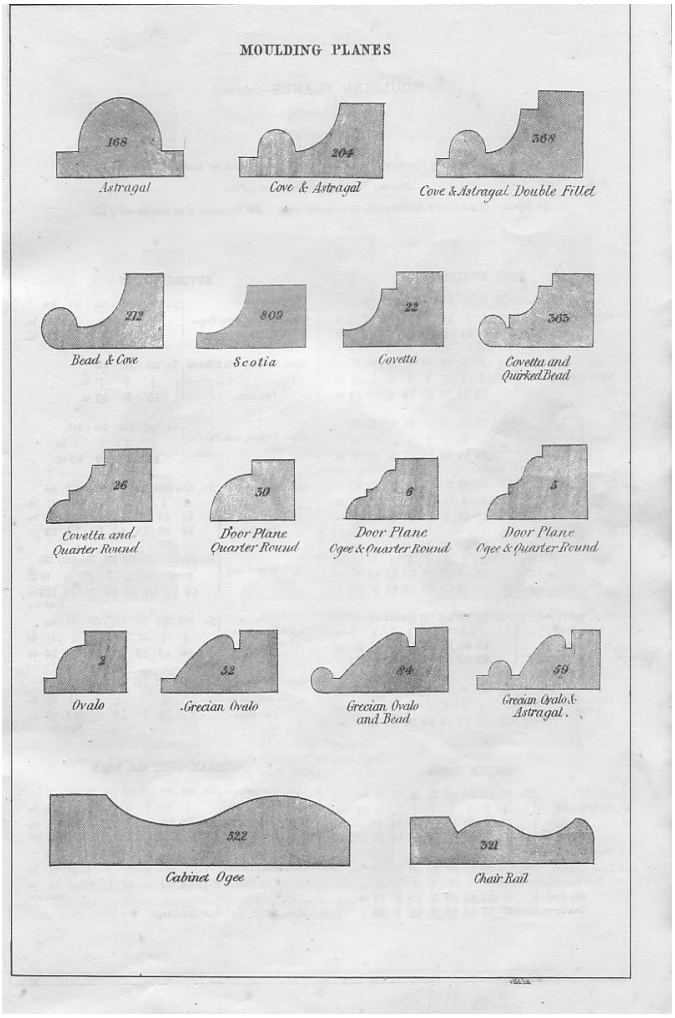
A Curiously Marked Plane

Michael Williams

Somewhere along the way, I noticed an Ovalo wooden moulding plane at a market or garage sale which caught my attention because it was in quite good condition. It was made by the Ohio Tool Company and looked like it was larger than any other Ovalo planes that I had, so since it was very reasonably priced, I purchased it and popped it on the shelf in my workshop, hoping that one day it might come in handy.

Well, the other day, its turn came, as I needed a small length of Ovalo moulding and it was just the right size.

Traditionally, many moulding planes were sized according to the thickness of timber that they were designed to work on. There are exceptions to this rule of course like the commonly found Quirk Bead planes which are sized according to the width of the bead but Grecian Ogee profiles for instance, which are commonly found at the top edge of Victorian-era skirting boards are sized according to the width of material they are worked upon. This is reasonably sensible, since if you wanted to run a moulding on a thinner piece of timber, in most cases the furniture or object would most probably be smaller, and the actual size of the moulding would need to be smaller to suit. Generally, then, a set of similarly shaped moulding profiles would be sized in 1/8 inch increments to suit varying thicknesses of timber stock, starting perhaps at 1/8 inch up to an inch or beyond.

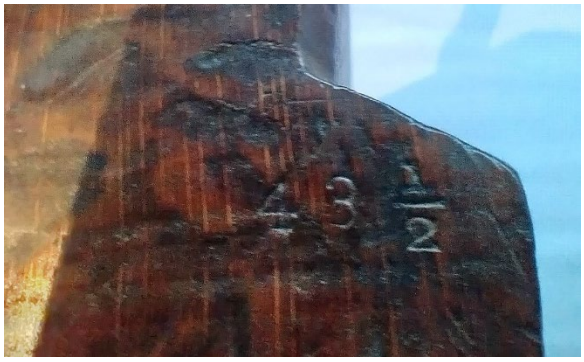


My Ohio Tool Company was a one-inch size, that is, designed to mould an Ovalo shape onto the edge of one inch stock, leaving little steps at the top and bottom and cutting a quadrant convex shape between them of slightly less than 7/8 inch radius. Just what I needed for the job in hand, but I was puzzled to see that instead of a “1” or “1 Inch” stamped into the heel, the number 43½ was stamped.

A page from Mathieson’s 1899 catalogue showing some of the simpler moulding plane profiles available.

I finished the job and whilst resharpening the blade before returning it to the shelf I started to wonder what the number 43½ was supposed to mean? Could it just be a workman's way of making sure that no one stole his plane?

Workmen often had their own stamps to identify their tools and many of my planes have a succession of workmen's stamps, at both front and back. Could a workman, instead of using his name or initials, used 43½ instead? Well, it would have been original! Perhaps he was born in June 1843? I stopped wondering and busied myself with something else but later when I was browsing eBay, I saw an Ohio Tool Scotia plane advertised for sale and lo and behold, the number 43½ was stamped into the heel. The seller described it as a Scotia plane but in fact it was an Ovalo (a Scotia is concave whereas an Ovolo is convex) and it was described as being 7/8 inch, the seller having measured the height of the quadrant between the small steps at top and bottom.



Well, here was another Ohio Tool Company 1 inch Ovalo plane, the same as mine and with the same mysterious 43½ stamped into the heel. This then was no workmen's quirky stamp; it was Ohio Tool's way of describing a 1inch Ovalo plane. Why? I can believe that it might have been a number from their catalogue i.e. item number 43 but ½?

After some time with a calculator, I think that I may have solved the conundrum. 43½ is the circumference of the circle which four of the quadrants together would make, expressed in 1/8s of an inch!

Here's how I calculated it: The radius of the curved quadrant is a smidgen less than 7/8 inch i.e. let's say 111/128 inch. Multiplying 2 x (111/128) x Pi to find the circumference, we get 5.449 inches but traditionally, many woodworkers worked in 1/8s so multiplying by 8, gives us 43.59. Close enough to 43½!

Just what use to the user is sizing the Ovalo according to the circumference of the circle made up from four parts of the convex part of the Ovalo is beyond me!

Perhaps our readers have an explanation (or indeed another explanation as to what the 43½ is supposed to mean).

Over to you all!

Send your comments to the NEWS Editor at reproturn@bigpond.com

Letters to the Editor

MESSAGE RECEIVED 22 DECEMBER 2023

News Editor and TTTG Committee,
Congratulations on the "new colourful NEWS". Should appeal to new/potential members. One WHS criticism; grinding on the side of grinding wheels is "not recommended practice".
Cheers, Bob Crosbie
Member M0002

A RESPONSE FROM THE NEWS EDITOR

As a blanket directive Bob's statement errs on the side of 'an abundance of caution'.

Many drill sharpening operations, particularly those using sharpening jigs, like the Picador, are carried out, indeed must be done, on the side of the grinding wheel not on the periphery.

Just don't put 'strong' pressure on the side of the wheel. How much pressure is too much? Well just use your judgement and some common sense. If you are getting covered in a shower of sparks and the motor is labouring I'd say it's definitely time to back off a little.

Yes, grinding wheels are not 'designed' to take a lot of pressure from the side.

However, we are talking here about sharpening a drill bit. And the pressure required to sharpen drill bits is very low. So using the side of the grinding wheel is safe in this instance.

There are a lot of things we are told not to do, and that's because there are people who don't read instructions or have the common sense to understand operating fundamentals or recognise their own limitations.

Of course safety is paramount, but safe practice requires us to use judgement, experience and common sense.

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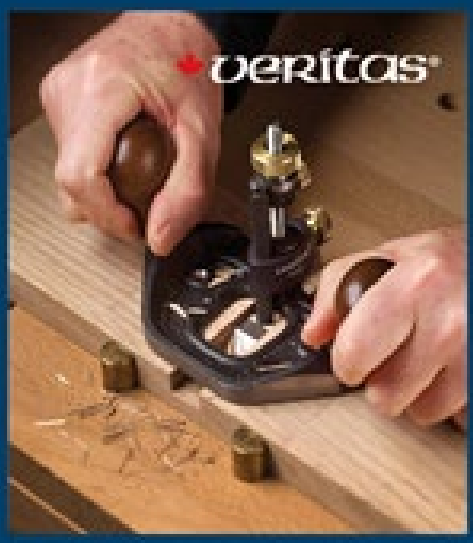

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Unusual Tools – Pratt & Whitney Aircraft Tools (PWA)

by John Deeble

Always on the lookout for something unusual or rare at a Trash and Treasure Market, Garage Sale or Tool Sale I have occasionally come across unusual sockets marked with PWA.

The tools were generally dull cadmium plated or black polished finish and often marked with different well known manufacturer names. Typical manufacturer's names included Snap-on, Bonney, Plomb, New Britain or Billings. A number of these companies were later absorbed into the Proto brand now owned by Stanley Tools.

The dull Cadmium plating/polished finish was an indication that these tools were probably WWII vintage and intended for use on aircraft engines where peeling chrome plating could present major issues.

Some further research on the internet revealed that these tools were manufactured for the Pratt and Whitney Aircraft Company as special tools. A list of PWA part numbers and specific usage is shown below and is available on https://papawswrench.com/vboard/index.php?topic=994.0 . In some cases, the same number has been used by different manufacturers on completely different tools. The list is not exhaustive, and clearly more items are coming to light over time. Sockets all appear to be 3/8 drive which is typical of the aircraft industry.

Perhaps you may have some of these items and will now be able to identify their intended use.

PWA-7	Wrench, Cam Gear
PWA-13	Piston ring clamp, brass
PWA-14	Pipe Wrench?
PWA-19	Monkey Wrench
PWA-20	Crescent Wrench
PWA-21	D.E. Wrench
PWA-22	D.E. Wrench
PWA-23	Magneto Wrench
PWA-24	Socket D.E.
PWA-28	Wrench, Box, 12Pt,5"L,Rocker Lock
PWA-29	Screwdriver
PWA-30	Pliers
PWA-32	Cold Chisel
PWA-33	Punch
PWA-34	Hammer

PWA-35	Gage
PWA-36	Kit?
PWA-43	Pliers
PWA-51	Puller
PWA-61	Reamer
PWA-67	Puller
PWA-89	Piston ring Compressor
PWA-91	Push rod tube driver
PWA-112	Bar
PWA-144	Wrench
PWA-148	Wrench, carburettor center nut , (stamped offset)
PWA-155	Bar
PWA-177	Wrench
PWA-178	Wrench
PWA-186	Wrench
PWA-197	Bar Propellor Shaft Turning (Use with PWA-1095)
PWA-211	Bag
PWA-220	Puller-Pusher(?)
PWA-226-4	Facer
PWA-249	Piston ring compressor, brass split hinged ring ,R985
PWA-249D	Ring compressor
PWA-314	Carb. metering jet
PWA-321	Adjuster
PWA-439	Wrench
PWA-455	Depressor, Rocker Arm, 15"L
PWA-459-1	Depressor, Valve spring, 2 piece, [Bonney] R-all
PWA-459-2	Depressor, Valve spring, 2 piece, [Bonney]
PWA-614	Drift & Base, Rocker?
PWA-621	Puller
PWA-671	Wrench, (Pin Spanner?) 5/16 w .25 pins, 1"Jaws, 6"handle
PWA-672	Valve clearance gauge (Feeler gauge, bent tips) R-All
PWA-684	Gage, Radius, Exhaust
PWA-748	Socket, 1/2"Dr, 8Pt
PWA-789	Wrench
PWA-849	Pushrod tube driver
PWA-861	Bushing facing cutter
PWA-956	Wrench, SOE,6"L
PWA-959	Bar
PWA-1038	Puller
PWA-1056	Wrench, Adjustable 8", [Cresent]
PWA-1068	Pusher

PWA-1074 Fixture, Pinion Knuc.
PWA-1075 Wrench, Valve Tappet/adjusting (need to verify), [Snap-on]
PWA-1075-X Socket (3/4),for pwa1075, X may be depth/variation (?)
PWA-1092 Wrench, spanner, 17.125"L, 3/4Dr, 3.625", Incl 2.812-12"Nut
PWA-1093 Wrench

PWA-1095 Wrench, propeller shaft
PWA-1095-2 TOOTH (?)
PWA-1113 Wrench, DOE 1/2x9/16 [Bonney(Z)]

PWA-1114 Wrench, DOE 5/8x3/4 [Bonney(Z)]
PWA-1217 Wrench - Distributor Gland Nut
PWA-1226 Fixture, aircraft maintenance, <=R2000
PWA-1231 Sling, aircraft maintenance
PWA-1263 Wrench, T-handle
PWA-1265 Socket, Face spanner, 3/8Dr,1/2Sq 3/8 deep, [Billings]

PWA-1269 Wrench, Impeller, Nut
PWA-1272 Reamer, T-handle
PWA-1275 Puller
PWA-1287 BAR, Aligning tappet
PWA-1305 Wrench, drain plug (AKA oil screen)
PWA-1346 Reamer, hand

PWA-1374 Wrench, Crowsfoot, Pushrod Cover Nut w handle
PWA-1384 Puller
PWA-1390 Puller
PWA-1392 Socket, Pushrod(Rocker arm) depressor, R985+all? [Bonney]
PWA-1393 Wrench, (3"L) 9/16, Cyl Base Nut, R985+? [Bonney]
PWA-1394 Ratchet
PWA-1395 Drift, Fiber, Piston Pin, R-all,[Bonney]
PWA-1396 Extension(?) [Plomb, Bonney]
PWA-1397 Handle, Socket wrench
PWA-1398 Socket(Obsoleted)
PWA-1399 Wrench (Lug) 4"L, 3/8Dr, 2+13/32, Cyl Intake Wrench (R985)
PWA-1401 Wrench, DOE 3/8x7/16 [Bonney(Z)]
PWA-1402 Socket, 1",12Pt,3/8Dr ,engine, zinc,[New Britain, Plomb]
PWA-1404 Socket (?)
PWA-1405 Socket flex / swivel joint 3/8Dr, [Plomb]

PWA-1415 Drift, Bearing
PWA-1417 Wrench (?)

PWA-1424 Socket, Crowsfoot, cover nut (Pushrod tube Gland nut), R2000,R2800 (+R985+R1340?)
PWA-1426 Wrench (?)
PWA-1430 Socket, socket Wrench, Hex,1+1/2" 1/2"Dr
PWA-1437 Wrench, Crowsfoot, Open Jaw 9/16", 3/8Dr [Bonney]

PWA-1461 Inserter, bearing/bushing, Pilot, .686 .438deep, 5.5"L
PWA-1463 Inserter, bearing/bushing, Boss & Pilot, 5"L,1.984Boss,1.186Pilot, 1/2"Deep
PWA-1468 Wrench, Deep crowsfoot, 3/8Dr, 5/8", 2.25"deep (Shielded plug assy)
PWA-1477 Indicator, Top Center

PWA 1948 Socket,3/8Dr, 9/16" shallow, [plomb]
PWA-1500 Socket, Crowsfoot, Intake pipe nut, zinc or blk ox,3/8Dr.,2+5/32", R985 [Bonney]

PWA-1502 Crowfoot attachment, socket wrench 6pt (R985/1340 rocker shaft)
PWA-1506 Wrench, sump pipe wrench, R1830,R2000
PWA-1507 TAP, Cylinder head ,Sparkplug bushing, (R1380,R2000,R2800)
PWA-1518 Inserter, bearing/bushing
PWA-1519 Drift, Generator DRI. (?)
PWA-1525 socket, Wrench, FACE spanner
PWA-1534 pusher, propeller SH
PWA-1541 Drift, Gearbox, [Bonney]
PWA-1546 Spanner Attachment, socket Wrench
PWA-1556 Tool, Spline, Engine
PWA-1560 Wrench, Crowsfoot, closed jaw/deep,12Pt, 3/8"Dr, 1-3/8" [Bonney]

PWA-1585 Wrench, Crowsfoot, 3/8"Dr, 1.25" [Bonney]
PWA-1586 Wrench, Crowsfoot, Open 3/8"Dr, 1.25" [Bonney]

PWA-1590 Puller
PWA-1593 Driver
PWA-1599 Socket
PWA-1604 spanner Attachment, socket Wrench
PWA-1606 Extension, Ratchet H?
PWA-1608 Wrench, Pal Nut(e.g. speed nut) ,R-(All w std cyls)
PWA-1633 Wrench, Cyl Base Nut,9/16, *Handed* R985-R2000
PWA-1634 Wrench, same as 1633 but other handed
PWA-1640 Driver, Stud, After B.(?)
PWA-1641 Drift
PWA-1656 Driver

PWA-1657 Wrench, Crowsfoot, Pushrod Cover Nut
PWA-1658 Puller
PWA-1663 Socket, 7/8, 3/8Dr Sparkplug? [Plomb]
PWA-1671 Wrench, spanner, tubular lug, oxide fin,6.386x.363,65deg
PWA-1674 Puller
PWA-1683 Socket 3/4, 3/8Dr, Deep flare nut (for Sensor?) [Bonney]
PWA-1686 Puller
PWA-1693 Puller - bearing cover
PWA-1756 Puller - slide hammer
PWA-1766 Socket 7/8",deep, 3/8Dr, Sparkplug [Plomb]
PWA-1773 Puller
PWA-1777 Arbor, Master rod DO.
PWA-1779 DIE, Intake pipe COU.

PWA-1786 Wrench, Crowsfoot/Face Wrench Semicircular Open 2 5/8", 3/8Dr [Bonney]
PWA-1799 Counterbore, Sparkplug bushing remover (R985, R1340, R1830, R2000, R2800)
PWA-1800 Inserter, bearing/bushing, Boss & Pilot, 1.125"

PWA-1805-nnn Gage, plug, Plain Cylindrical (nnn - numbered set of various sizes) R2000

PWA-1834 Wrench, spanner
PWA-1858 Wrench, Crowsfoot, 3/8"Dr, 5/8" [Bny]

PWA-1886 Wrench, Strap ,3/8Dr,cloth, for ex pipes etc, [Bonney]
PWA-1890 Puller
PWA-1894 Puller
PWA-1902 Puller
PWA-1910 Drift, propeller SHA.
PWA-1919-4 Adapter, Fixture, CRA.
PWA-1937-20 Crimper
PWA-1950 Wrench, Crowfoot, open jaw, 1-1/16, 3/8Dr [Bonney]
PWA-1954 Puller

PWA-1980 Wrench or drift (?), engines (?)
PWA-1983 Wrench, propeller SH.
PWA-1998 pusher

PWA-2006 Wrench, Socket (4.5"L) 1/2 Male drive, 9/16 Cyl Base Nut, R1830, R2000

PWA-2044 Puller
PWA-2056 Puller
PWA-2104 Puller
PWA-2125 Drift, Gearbox
PWA-2126 Drift, Snap-ring, PRO.
PWA-2133 Puller
PWA-2144 Drift, Bearing, IMPEL.
PWA-2147 Wrench, spanner, Tubular lug, 12.875"L, 6150Steel w chrome+Ni-Ox,2.5OD,x.25sq
PWA-2151-10 Puller
PWA-2153 Wrench - Push Rod Cover Gland Nut (Smaller)
PWA-2154 Wrench - Push Rod Cover Gland Nut (Larger)
PWA-2172 Puller, Slide hammer, Gearbox
PWA-2190 Timing Template
PWA-2200 Puller

PWA-2210 Wrench, oil sump,R1830,R2000,R2800 [Bonney]
PWA-2254 Socket, Plug, 7/8", deep,3/8Dr, (ref-engine) [Plomb]
PWA-2256 Puller
PWA-2307 Puller, DRIVER+SCREW W T-HDL,THREADED 13/16-20, Disassemble magneto drive coupling
PWA-2308 Wrench, Socket,8"L, 1", Spline, W 1/4" Hole
PWA-2318 Wrench, Swivel fitting
PWA-2352 Timing Segment
PWA-2353 Timing Pointer
PWA-2362 Inserter, bearing/bushing
PWA-2370 Wrench
PWA-2373 Spanner attachment, socket Wrench
PWA-2377 Drift, Gearbox
PWA-2397 Wrench, Socket (Bent/access) 1/2 M-dr., 9/16 Cyl Base Nut, R1830, R2000 [Bonney]
PWA-2398 Wrench, Extension, 39Deg obstruction, 1/2Dr Fem both ends, 19"L
PWA-2399 Wrench, Box 12pt (~6.5"L)Bent 71Deg, 1/2Mdr, 9/16, Cyl Base Nut, R1830, R2000
PWA-2400 Wrench Cylinder Nut (Use with Handle PWA-2398)
PWA-2411 Handle, for 1/2 Male dr. Wrenches
PWA-2411 also seen as 11" 3/8-1/2 extension-adapter
PWA-2414 Holder - Master Rod

PWA-2417 Indicator, Magneto
PWA-2446 Straight-edge, for timing alignment, R985,R1830
PWA-2488 Holder, Master and A.
PWA-2507 Puller
PWA-2534 Fixture, Machining, V.
PWA-2551-4 Drift AND base, ARTI.
PWA-2627 Puller
PWA-2630-23 SURFACE PLATE,CYLIN
PWA-2682 Wrench, Box (std,12pt), 3/8x7/16, [Bonney]
PWA-2694 ADAPTER, socket Wrench
PWA-2708 Pusher, ADAPTER, ACCE.
PWA-2718 ? looks like a bearing busher
PWA-2725 Wrench body 1-2 IN (?)
PWA-2733 Wrench, propeller SH.
PWA-2737 drift and guide, PRO.
PWA-2741 Bar, Engine turning.
PWA-2746-101 Puller
PWA-2749 Puller
PWA-2787 Wrench
PWA-2788 Wrench, socket

PWA-2812 ??? [Bonney]
PWA-2835-1 Tool, Pushrod adjusting (Takes socket) [Snap-on patent 1544520, 1925]
PWA-2863 Puller
PWA-2864 Wrench, spanner, MAGN.
PWA-2878 Puller
PWA-2892 ? 5/8" [Bonney]
PWA-2904 socket, Wrench, Face spanner
PWA-2910 Puller
PWA-2912-10 Driver, Stud, Superch.
PWA-2919 Guide, Fuel pump drive
PWA-2931 Counterbore, Propell.
PWA-2938 Puller
PWA-3001 Inserter, Screw thread insert
PWA-3004 Gage, Radius, Exhaust
PWA-3024 Socket, socket Wrench
PWA-3121 ? [Bonney]
PWA-3130 Depressor
PWA-3157 Driver
PWA-3174 Wrench, spanner
PWA-3183 Straightedge, Timing
PWA-3202 Wrench
PWA-3232 Driver
PWA-3242 Inserter, bearing/bushing

PWA-3254 Socket, 7/8 engine (also listed as wrench)

PWA-3277-13 Scraper
PWA-3280-10 Roller
PWA-3281 Inserter, bearing/bushing
PWA-3336 Holder, Gear fan dri.
PWA-3346-1 Gage
PWA-3346-2 Gage
PWA-3347-4 Gage
PWA-3349-1 Inserter, Screw thread insert
PWA-3357 Inserter, bearing/bushing
PWA-2396 - Wrench Cylinder Nut (Use with Handle PWA-2411)
PWA-3397 Socket, Wrench, Face spanner
PWA-3434 Spanner attachment, socket wrench
PWA-3451 Drift, Loading ring
PWA-3459 Puller
PWA-3477 Socket, Wrench, Face spanner
PWA-3490 Holder
PWA-3491 Inserter, bearing/bushing

PWA-3520 Reamer, 8flute,2.6248",w Dr. hdl. hole,(Self aligning?) [CTD co – Cleveland Twist Drill Co]
PWA-3522 Drift
PWA-3526 Puller
PWA-3527 Drift, Fuel pump Dri.
PWA-3529-1 ? split pipe collar with flange on end
PWA-3534 Puller
PWA-3572 Puller, slide hammer, Gearbox
PWA-3594-101 Puller
PWA-3639 Wrench
PWA-3675 Holder
PWA-3698 Drift
PWA-3718 Drift, Generator Dri.
PWA-3751 Wrench, spanner
PWA-3774 Depressor, Valve Spring
PWA-3790-nn Puller (nn-various parts)
PWA-3790-25 Puller, GEAR AND BEARING, SINGLE END GRIP TWO JAW, EXTERNAL
PWA-3804-20 Puller, 5"L
PWA-3812 Puller; BODY, SCREW, INSERT, WING NUT, USED IN DISASSEMBLY OF FRONT SUPPORT PLATE
PWA-3813 Drift, Starter Drive.
PWA-3822 Puller, 4.5"L
PWA-3829 Extension, socket Wrench, 1.875"L, 5/8Dr
PWA-3863 Driver, Blower case
PWA-3865 Wrench, spanner
PWA-3866 Puller, 5"L
PWA-3875-100 Puller
PWA-3909-100 Puller
PWA-3912 Wrench, Box(Socket) 8.75L, 12Pt, 1/2"
PWA-3916 Driver
PWA-3923 ??? [Bonney]
PWA-3939 Puller, 5"L
PWA-3942-010 TAP, Sparkplug Insert
PWA-4000-33 Remover, Exhaust valve seat, R2000 ,R2800, R4360

Key to P&W Engines, Reciprocating/Radial

R1340 (Wasp) 1925-current, For Navy wasp, P&W first engine, used Earhart L10 Electra
R985 (Junior Wasp) 1930's-??? successor to R1340, 9 Cyl
R1690 (Hornet) 1926-1942, 9 Cyl
R1535 (Twin Wasp Junior) 1932-??, 14 Cyl

R1830 (Twin Wasp) 1932-??, 14 Cyl-Paired, B24 Liberator etc
R2000 (Twin Wasp) 1942-?? WWII enhanced version R1830, DC4 etc
R2180 (Twin *) Postwar ,DC4E etc
R2800 (Double Wasp) Thru WWII, 18 Cyl, 2800HP, P47 Thunderbolt etc
R4360 (Wasp Major) Postwar, 28 Cyl , Last P&W Radial
[See Wikipedia for detail]

NOTES:

1. PWA may appear as "P.W.A.","P-W-A", or PWA
2. There may or may not be a dash between PWA and the number.
3. These variations might provide makers clues.
4. 'PW" also stands for Pipe Wrench, and PWA is a known part# prefix for some non PWA tools (generally followed by a small #)

A Parting Tip for the Little Stuff

by Roger Taylor

I had to part off two small brass bushings that measured 0.122" in (3.10 mm) diameter by 0.128" (3.25 mm) long. They were drilled and ready to part off when I realised, I would never find them in the chip tray. Parts this size have a way of disappearing, no matter how keen your eyesight might be.

It dawned on me that the No.42 drill used on the parts could also be used as a support arbor for the cut-offs. It worked perfectly and I saved myself a lot of time and frustration. A simple but helpful tip if you are doing small work that is easily dropped and lost.

TTTG Members: Carbatec Discount

Following on from the Carbatec presentation at our December 2023 Members Meeting we have now established an account for use by TTTG Members. This is a new system implemented by Carbatec to provide discounts to members of recognised groups such as TTTG.

Details of how TTTG Members can use this facility and take advantage of the discount offered will be provided in the next couple of weeks so keep an eye out for a Mailchimp message from the Secretary.

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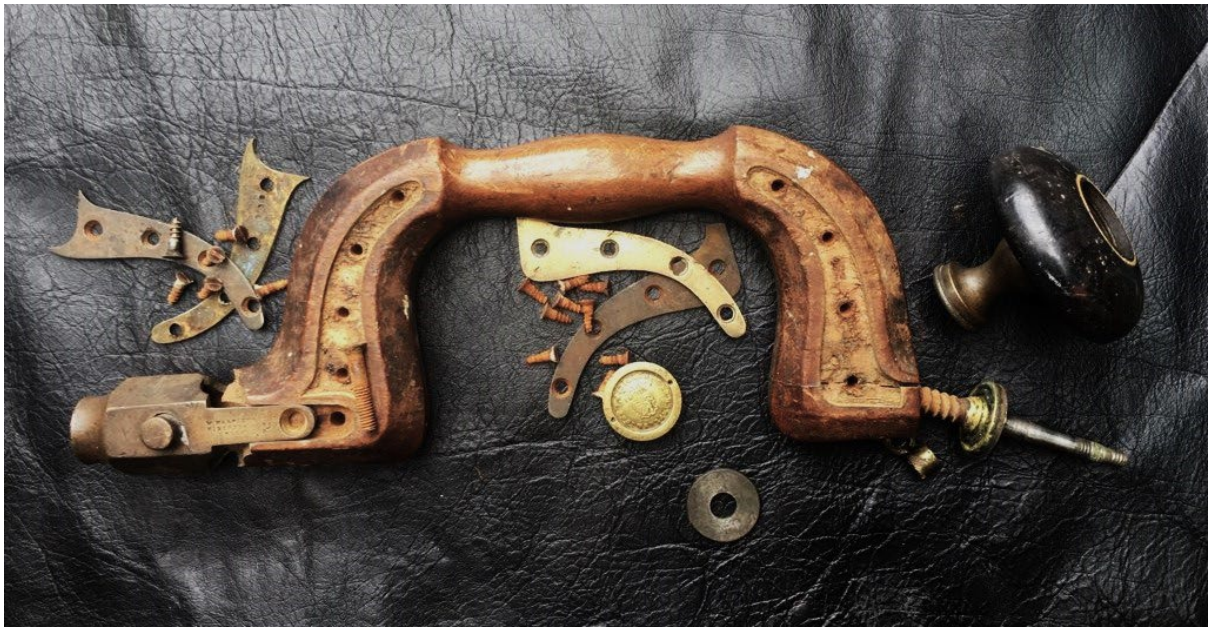
JDs - Rescuing an old brace

by John Daniel

My shed seems to be the repository of other's decluttering discards, however occasionally, there are a few little 'treasures' that still have a bit of life left in them, so when a friend remarked a couple of months back, "I have a box of old stuff that I need to clear out of my shed," well, the shed refuse, not just one box, but a wheelbarrow full of relics of yesteryear was wheeled up to my shed; not what I expected; now to find some space to sort it out.



ABOVE: the brace as found - disassembled to assess damage and repair

Once the dust had settled, I focused on an old brass-plated wooden brace that had caught my eye as I was emptying the barrow; I have always had an interest in boring tools (no pun intended), especially early braces as they are so varied, and were an essential tool included in the tool box of all wood-workers, no matter what the trade.

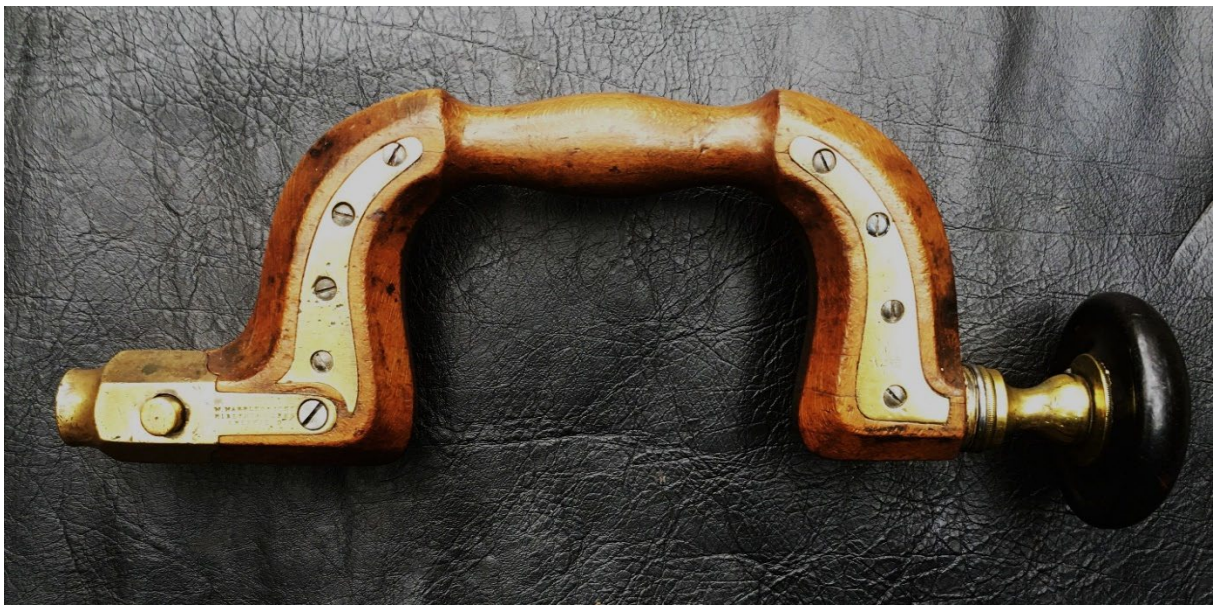
The 'old brass-plated wooden brace' was a bit of a relic and although there was a lot of damage and shrinkage and stress cracks in the wood, it was basically 'all there. The wood in the frame was English Beech, the head Ebony fitted with a William Marples embossed screw cap of the period 1861–1875. [1]

Due to shrinkage of the wood, the brass plates were standing proud and needed to be carefully let in deeper and refitted, cracks needed attention and the re-fitting of the head-screw needed quite a bit of thought; of course the brasswork needed a bit of attention. A modified ' adjustable car spanner was used to remove the head-screw cap.

ABOVE: Extensive damage to the head end of the frame

ABOVE: Pad end suffering from neglect and the ravages of time


ABOVE: The Ebony head, luckily undamaged and the repurposed adjustable spanner



ABOVE: The brace reassembled and looking a little more presentable

I am sure I caught a glimpse of a smile as the donor of the barrow full of discards drove away heading back to his now decluttered shed; how could I have not helped him out?

Now, what to do with the rest of this old stuff?

REFERENCES:

1. *The Ultimate Brace: A unique product of Victorian Sheffield.* Reg Eaton, page 67

Whatever Happened to ....

ECLIPSE No.39 SMALL DRILL GRINDER

ASSEMBLY:

Remove small chrome plated screw from strut. Assemble strut into body. Fit screw and tighten up.

INSTRUCTION FOR USE:

1. Hold strut with V channel uppermost.

2. Release back stop and slide to end of strut

3. Loosen drill clamping screw

4. Insert drill into V strut with point away from back stop. Hold drill in V with thumb. Upturn sharpener to bring drill point into view, align one cutting edge parallel to and flush with front gauge, which is adjustable for different drill size.

5. Lightly tighten drill clamping screw

6. Swing aside back stop shim and slide back stop into contact with the drill shank and tighten

7. Swing shim back into V. This will advance drill the required amount for sharpening.

8. Check that the drill is still correctly aligned with front gauge and fully tighten drill clamping screw

9. With one hand hold sharpener between thumb and finger inside recesses and with the other hand hold abrasive paper on a smooth flat surface

10. Roll sharpener up and down the full length of the abrasive paper until cutting ceases

11. Fully release drill clamping screw rotate drill 180 and align second cutting edge with front gauge

12. Ensure drill shank is in contact with back stop shim and tighten drill clamp screw.

13. Repeat sharpening action

14. If drill is not completely sharpened, repeat from step 6

NOTE:

(a) use whole surface of abrasive paper
(b) do no allow wheels to slide
(c) for speed of sharpening use 100 grit Aluminium Oxide (Aloxite) paper

The Shed

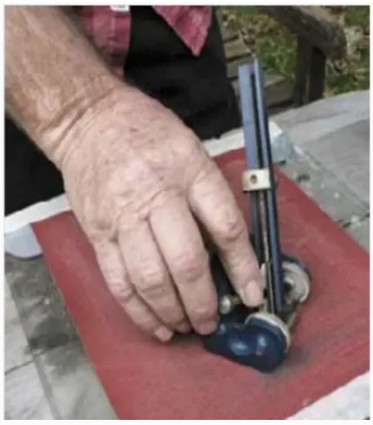
Sharpening drill bits with the Eclipse 39

11 Jun 2018

Pictured is the drill-sharpening jig I use. It is the Eclipse 39, a British-made device whose inventor won British Invention of the Year competition in 1970. The abrasive material is sandpaper taped to a flat surface. I use the plate glass top from a damaged set of bathroom scales.

The drill bit is accurately positioned in the jig and pushed over the sheet of abrasive. After a few passages across the surface the drill bit is repositioned and the other facet of the drill's cutting surface is sharpened. The process is repeated until two good cutting edges are produced.

It is rather a long and demanding procedure, but has the advantage that a completely inexperienced amateur can transform a blunt drill bit into a useful item. I have seen seasoned metalworkers sharpen drills freehand on a bench



Sharpening a drill bit with the Eclipse 39 jig

If you have some long lost instruction sheet or user manual at home please don't let it linger unloved and unread.

Send a picture or pdf file of the instruction sheet or user manual to the NEWS Editor at TTTG.

Email the Editor at reproturn@bigpond.com

Bunnings: POWERPASS: PRODUCT WARRANTIES

I had a warranty claim with Bunnings a few days ago.

During the course of which, I learned that, if one buys with a PowerPass, the Three Year Warranties for both Ozito and Ryobi become ONE YEAR.

The suggestion was that Powerpass purchasers are expected to be "tradies" and therefore use the tools more frequently.

I had no idea about this warranty issue.

Patrick Berry
Member M568

The Next TTTG Workshop?

KEEP AN EYE ON THE TTTG WEBSITE

WWW.TTTG.ORG.AU

FOR NEWS OF OUR 2024

‘REAL SKILLS” WORKSHOPS

“Real Skills” Workshops
Great Value at only $70.00

TTTG teaches real skills

Available at all TTTG Meetings Workshops & Events

TTTG Leather Chisel Rolls	**$25 each**
TTTG Sharp Oil	**$6 a bottle**
TTTG Citric Acid	**$6 a jar**

Next Members & Friends Tool Sale

Sunday 19 May 2024

Remember the date and time:

Sunday 19 May 2024 – 8.00 to 11.30 am

Remember the location:

Old Eastwood Town Hall
74 Agincourt Road, Marsfield, NSW

Remember the entry fee:

- **$5 per person – pay at the door and please have your $5 note or $5 in coins for entry.**
- **All purchases are made in cash so having small notes and coins is a very good idea.**
- **NOTE: THERE IS NO ATM AT THE VENUE**

Got surplus tools to sell – hire a table:

- **$25 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**

30% OF TABLES BOOKED – DON'T DELAY!

NO ASSISTANT PASSES FOR THIS SALE

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

Issue 01 - KavTak Tools - May, 2023

Finding the Balance

Time, Cost & Quality

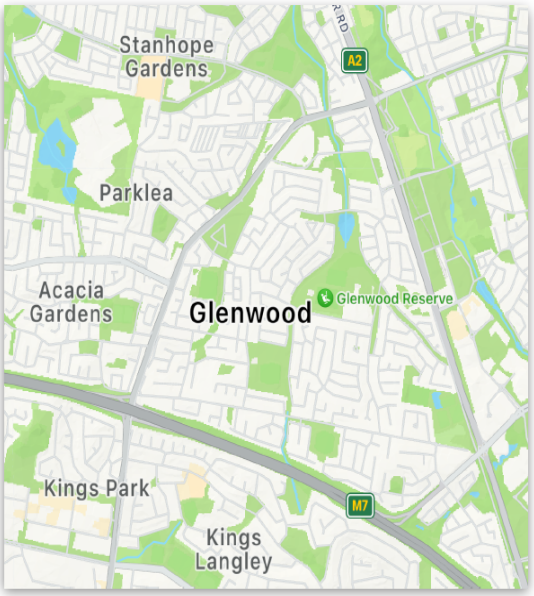
Makers are always trying to get the right balance in their own work, as well as when deciding to buy new gear, or indeed, restored gear, for their workshops.

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



KAVTAK TOOLS support TTG

TTTG Fees and Contacts 2022/23

TTTG Fees:

Annual Membership	$50
'Real Skills' Workshops	$70
Member Meetings entry	$5
Members & Friends Tool Sales entry	$5

TTTG Contacts:

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

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

TTTG Memberships:

John Bates secretary@tttg.org.au

NEWS Magazine

NEWS Magazine (quarterly)

NEWS Magazine is emailed to financial TTTG Members in:
March, June, September and December

Next TTTG Members Meeting

Old Eastwood Town Hall
74 Agincourt Road, Marsfield, NSW

Tuesday 09 April 2024 – starts at 7.00 pm

TTTG surplus tools for auction – bargains to be had!

For more details see the website **www.tttg.org.au**

TTTG IS A MEMBER OF AMSA

AUSTRALIAN MEN'S SHED ASSOCIATION
CERTIFICATE OF MEMBERSHIP 2024

The Traditional Tools Group Inc

AMSA101022 ISSUED December 2023

The Australian Men's Shed Association recognises a Men's Shed as a community based, non-profit, non-commercial organisation accessible to all men. A shed's primary activity is the provision of a safe, friendly and healing environment where men are able to work on meaningful projects in the company of other men. The major objective of a Men's Shed is to advance the health and wellbeing of members, and to encourage social inclusion.

AUSTRALIAN MEN'S SHED ASSOCIATION
Shoulder to Shoulder

TTTG IS A REGISTERED CHARITY

Australian Government

Australian Charities and Not-for-profits Commission

THIS CERTIFIES THAT

TRADITIONAL TOOLS GROUP INC

ABN: 50611029392

HAS BEEN REGISTERED BY THE

Australian Charities and Not-for-profits Commission

ON THE DATE OF

18/12/2023

CERTIFIED BY

Sue Woodward AM

Commissioner

Australian Charities and Not-for-profits Commission

For information about the current registration status of this charity, check the ACNC Charity Register at acnc.gov.au/charity