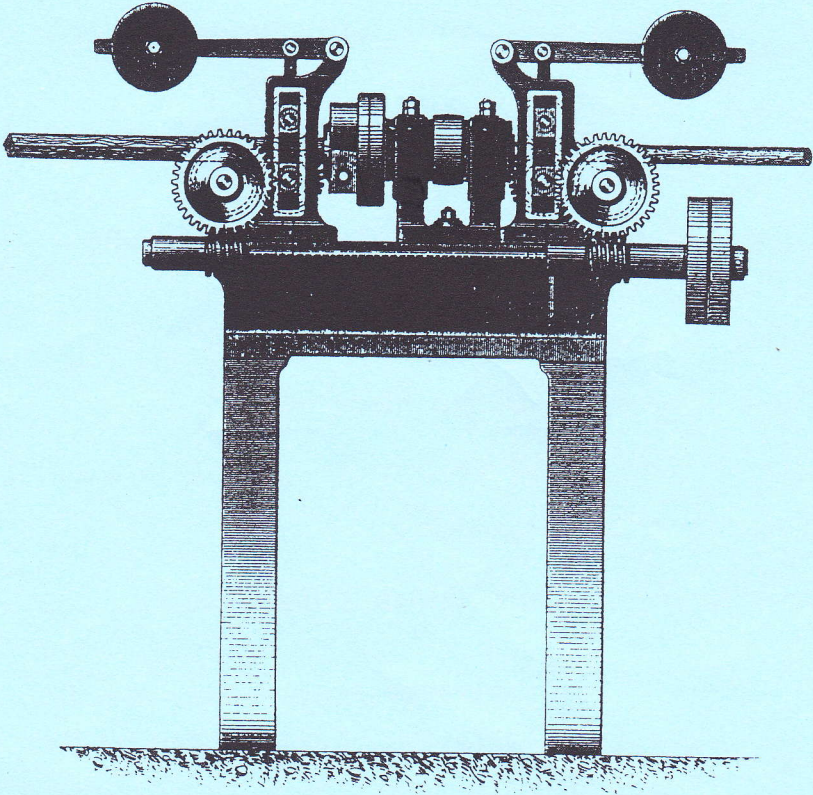


T T T G



Newsletter 45.
February 1999.

The Traditional Tools Group Inc.

TTTG Inc.

THE TRADITIONAL TOOLS GROUP (Inc.)

**TTTG NEWSLETTER NO. 45.
February 1999.**

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Wheel Making by Steam Power.

Chips Disston, Australian Made Saws.

Library News: Donations

Directory & Advertisements

Book Review. Through Much Tribulation.

1998-1999 Subscriptions are due

Cover: Rounding Machine for Dowels

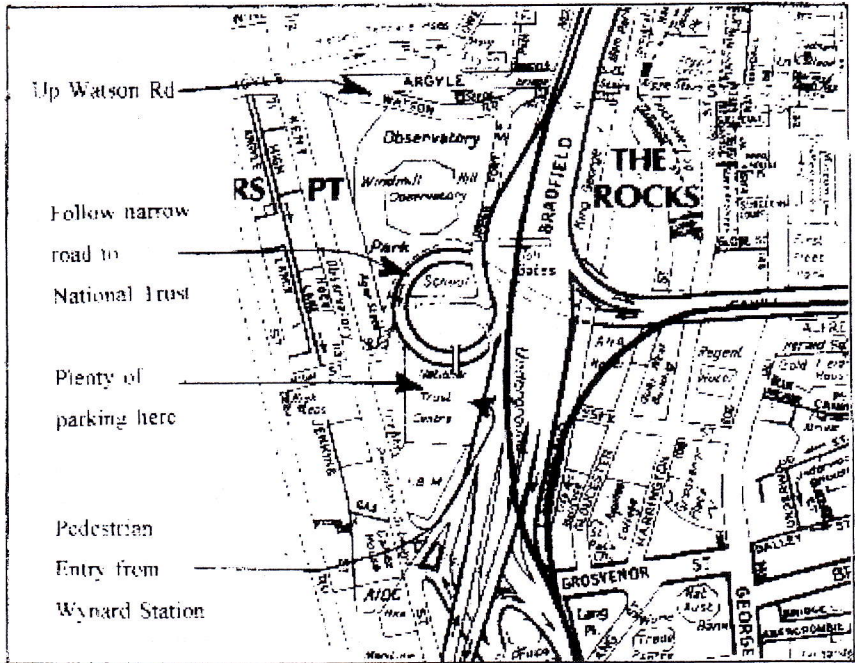
1878 Illustrated Catalogue of Wood Cutting Machinery
Specially adapted for Wheel Making
Thomas Robinson & Son, Rochdale near Manchester

(c) Copyright. **1999**

Opinions expressed are those of the contributor.

Postal Address
The Traditional Tools Group Inc. (TTTG)
P. O. Box 240
Grosvenor Place
Sydney 1200

Next Meeting Tuesday 9th February
National Trust Centre, Observatory Hill
Commencing at 7:00pm



PROGRAMME

- 1. THE OLDEST MOST PRIMITIVE TOOLS.** MEMBERS ARE INVITED TO BRING ALONG THEIR OLDEST TOOLS FOR DISCUSSION. THIS IS NOT LIMITED TO EUROPEAN TOOLS BUT INCLUDES TOOLS AND WEAPONS FROM PRIMITIVE CULTURES SUCH AS THE ASIA-PACIFIC REGION.
- 2. THE WOTSIT CHALLENGE.** NOT JUST OLD AND PRIMITIVE! BRING ALONG YOUR WOTSITS.
- 3. THE LIBRARY.** COME ALONG AND BROWSE.
- 4. SUPPER BY MARIO DATO.**

Editor's Notes

Bob Crosbie.

Interest in Australian manufacturers of tools and machinery is growing. One indication of this interest is the positive reaction to the 1948 theme in Newsletter # 43.

Rod Thomas has responded to # 43 with information on the local manufacturers listed in the 1948 Hardware Journal. He has also donated copies of catalogues by local manufacturers to the TTTG Library. See Letters and Donations for details.

Rod encourages members to add to his documentation on local manufacturers. See Hand Tool Preservation Association of Australia Data Base of Australian Manufacturers.

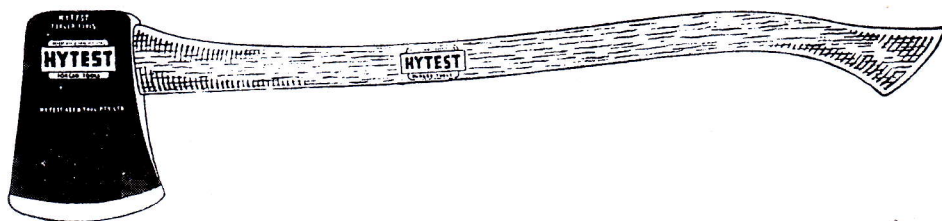
Does anyone have any issues of the Hardware Journal ? Copies from the 1940s and 1950s are of particular interest.

The inclusion of old machinery in Newsletter # 44 was well received. New South Wales has a significant industrial heritage and groups such as TTTG should promote research into the history of machinery.

The article Wheel Making by Steam Power has engravings of machines manufactured in 1878 by Thomas Robinson & Co. A copy of the 1878 Catalogue is available from the TTTG Library.

Nigel Lampert has published a book on Spiers Metal Planes. This is an impressive effort and will become a standard reference on metal planes. See Book Review for details of this publication.

1999 promises to be a great year for TTTG but please do not leave it all to the Committee. The editor welcomes articles for publication.



Previous Meeting

Tuesday 8 December 1998

Guitar Making by Guitar Maker Gerrard Gilet.

Approximately twenty TTTG members attended the last meeting. Gerrard Gilet gave a through description of the traditional and modern methods of Guitar manufacture and then described the techniques he has developed in his workshop.

How to make a quality guitar at reasonable cost is the problem Gerrard has confronted. The solution to this challenge has led Gerrard to critical approaches to materials and techniques. He has developed an innovative approach involving a mix of traditional, modern and original techniques, all of which led to a lively question and answer session.

As an example of his hybrid approach, Gerrard rejects hand planing material to thickness but insists that hand planed edge joints are superior to machine prepared edge joints.

TTTG extends its appreciation to Gerrard for a fine, interesting talk.

Next Meeting

Tuesday 9th February 1999

The Oldest Most Primitive Tools

We call ourselves The Traditional Tools Group but your Committee has become aware that there is an area of interest that we have not yet explored at our meetings. That is of course Ancient Tools. This is a Members participation night where Members are encouraged to bring along their Oldest tool/s and tell us about them. Your Committee realises that there are probably not very many European tools out there amongst our members older than the Seventeenth Century so we have widened the net to include **tools and weapons** from primitive cultures, which although difficult to date have been used from the earliest times and are definitely traditional! Examples might include New Guinean clubs, Aboriginal Spears etc. It should be a fun night.

**THOSE MEMBERS WHO HAVE NOT YET
PAID THEIR 1998/99 TTTG MEMBERSHIP
ARE REMINDED THAT THEIR
SUBSCRIPTIONS ARE NOW OVERDUE!**

Letters to the Editor

Dear Bob,

I started this exercise soon after receipt of Newsletter No 43. Although this letter was basically written over a month ago the delay in finishing it, pulling the other material together and getting it away to you at least gives me the opportunity to wish you and others associated with the TTTG my best wishes for Christmas and the New Year.

I always like to see the Australian Manufacturers content. Particularly pleased to see the advertisement for MEM as have a short article pending for the HTPAA "Tool Chest" on the Pacific plane and other items made by this firm. Inclusion of the add would enhance the article. I hope you have more information from this 1948 Hardware Year Book that will appear in the TTTG Newsletter in the future.

The makers mentioned this time have all been previously recorded, however the adds are a welcome addition to the material already on file. Enclosed are copies of some of this material to add to the TTTG files. Sorry about the quality but most are copies of copies, some of which are fairly average.

Keech Castings Pty Ltd - Keesteel Hammers etc.
(Gordon Keech)

Pope Products Limited - Falcon and Pope Tools.
(Harley & (Sir) Barton Pope)

F. & R. Tough - Carpenter's Braces
and general Iron-founders, Engineers & Toolmakers

W. H. Plumb Pty Ltd - Fern, Plumb, Hytest Tools
(William Henry Plumb)
(W. A. Crick, A. C. I. and so on.)

There is a fair amount of material relating to Hytest Axe & Tool Pty Ltd, and the earlier days before this name had been adopted. The politics and intrigues of W. H. Plumb's difficulties with Lafayette R. Plumb Inc. of the U.S.A. The name changes, also proprietors. There should be enough here to wet some one's appetite sufficiently to do a little more research and to pull an article together on the origins and development of this firm. Being Sydney based I imagine it easier for someone local to track down further information.

**THOSE MEMBERS WHO HAVE NOT YET
PAID THEIR 1998/99 TTTG MEMBERSHIP
ARE REMINDED THAT THEIR
SUBSCRIPTIONS ARE NOW OVERDUE!**

I do have more material mainly adds, products promotion, sponsorships etc some of which could be useful to a extended article.

MEM Metal Equipment Manufacturers became Metal Processors Pty Ltd still of Newington Rd Marrickville, a 1956 advertisement.

Raglan Tool & Engineering Co Pacific Highway Crows Nest, nothing further.

Walker Products Melbourne, nothing further.

Silex - Howard F. Hudson Pty Ltd Kent St Sydney then William St Alexandria
Copy of ? C1985 catalogue reproduced by IITPAA

MAO Cecil E. Mayo Pty Limited Castlereagh St Sydney also MASTER

Hope the TTTG find the enclosed of interest,

How do you like the article on the Data Base, a long time coming, but here it is. Is this what you had in mind and do you see it as constructive and getting the message across, hopefully generating some feedback. As I have been stirred into doing this article I will get as much mileage out of it as I can. I will submit something similar for inclusion in the HTPAA Tool Chest, hopefully, encouraging feedback from members. If we, the TTTG and the HTPAA can get the respective memberships working on this project the benefits can only be greater as a more comprehensive information store develops. There is a growing interest in Australian made tools amongst IITPAA members, I would like to think TTTG members also.

Regarding your request on Cheney made in Australia
Once again a number of sightings, various rumours of who made the hammers, possibly under licence, but not confirmed. I have two examples myself, one from which this logo is taken. This has a replaced handle, the other a lighter head with original handle with the mark

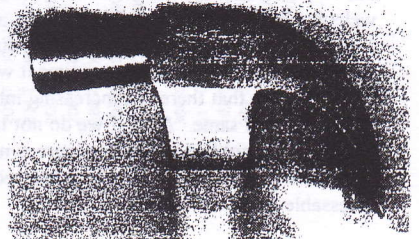


CHENEY (h/head) NAILER



Regards, yours,

Rod Thomas
Rod Thomas



Hand Tool Preservation Association of Australia Data Base of Australian Manufacturers Rod Thomas

The gathering of information on Australian Tool Manufacturers was started some time ago from simple beginnings, a list of a maker's name or mark as would appear on a tool and a description of the tool itself. It was soon seen there was a lot of information to be collected and collated. So the writer entered the computer age, at the deep end, with no previous experience and a non-existent typing speed, a Data Base was created. As the writer has progressed from two to several fingers at the keyboard the Data Base has also evolved from relatively small beginnings to quite a large information store. A number of people have kept the information flowing producing new finds for recording and relating sightings.

In conjunction with this information store an increasing amount of hard copy material is accumulating, which includes copied catalogues, advertisements, leaflets and anything else relevant made available for copying. Copies of Trade Mark, Registered Design and Patent details are also held. Most of this applying to recorded items, other, more in the Patent and Registered Design area still to be associated with an example.

A lot of the original information on the Data Base was accumulated at the offices of the AIPO, the Australian Industrial Property Organisation whom hold Trademark, Registered Design and Patent records. A wealth of information is held at these offices, but it is very time-consuming wading through records chasing down the relevant facts.

There are approximately 300 makers now noted, some are still just a name and a record of a single tool, however information is accumulating on the majority of the entries. Actual entries are several hundred, which comes about by business name changes, address changes and multiple trade mark / product name usage.

From a few columns in the beginning, there are now several fields of information. Ideally one day they will be all completed, however in reality if we get most filled in we will be going extremely well. The major fields / columns indicate - the name / trademark that is on, or that you would expect to see on the tool, actual markings on the tool, full title of maker, maker's address, period of registration of trademark, confirmed period of operation, comments - notes on major changes and relevant items of historical interest, source of information and list of manufactured items.

The information is there to be used. Although there will be a lot of details still not recorded, what is available is there to assist with research and the production of articles for our Newsletters and Journals. As this is still a growing entity any further information is always welcome as only with a continuing flow, even if only a trickle, will there be any chance of a comprehensive picture being formed of our past makers and a record of the tools they produced. Maybe in a few years time it will be worth while producing a reference booklet. I like to believe that there is an increasing interest in Australian made tools and the preservation of examples of same. Also, if we do not take action with regard to recording this part of our history it will not be long before there is no one around who was part of it and / or remembers it. Also what little paperwork and few records that currently exist will be lost or become less assessable.

As an example of what is on the Data Base, here is the information on record regarding the Makers mentioned in Newsletter No 43.

Patent Source info		Manufactured	ID	X
T/M detail, HW Journal 15/02/1950, HW YB 194	Braces(ratchet & plain), T type wrenches, plumb bobs, trammels		277 T	
T/M detail, HW Journal 15/02/1950, items	Try squares cast iron handles		88 T	
			217 T	
			527 T	
H.W. Year Book 1948 cats	items	Chrome plated all metal carpenters braces 10, 12, 14" (Major) also bakelite handles 10, 12, 14" (Minor)	688 T	
	items	Die stocks, Hand grinders, Post drills	511 T	
	items	Chrome plated all metal braces - 10", 12", 14" ratchet	145 T	
	items	also bakelite handles braces - 10", 12", 14", ratchet and 10" non ratchet	214 T	
	items	No25, 40, 45 handdrill, No50, 55 breastdrill, push+bench drills, Noes75, 80 ratchet braces,	894 T	
	items	No72 try & mitre square, No78 bevel 5" x 6", Noes 66, 90, 93, 98 marking gauges, No34 buff gauge,	893 T	
	items	No 30 dowelling jig, No 13 bench stop, No84 bench vice, No15 sash clamp ends, No35 tile cutter,	128 T	
	items	Paint Scraper, Steel shafting collars, No36 handyclamp	215 T	
			216 T	
			471 T	
			660 T	
HW Supp Daily Telegraph 25/01/1956		Ratchet braces, hand - breast+ push drills, plasterers trowels, claw-joiners-ball+cross pein hammers	185 T	
		No25, 26, 26R handdrills, No40 breastdrill, benchdrill, braces, etc	99 T	
			85 T	
			887 T	
			590 T	
Patent applications			89 T	
HWSDT 25/01/1956, T/M detail, Cats/Adv,	Broadaxe, axes, hatchets, engineers ballpeen+claw+mash hammers, 10" to 14" straight+curved tinsnip,		703 T	
HWSDT 25/01/1956, T/M detail, Cats/Adv,	2"+ 4" chain pipevice, blockbuster, multigrips, various weight mattocks, baghooks, tailors shears,		202 T	
HWSDT 25/01/1956, Retailer 3/1953, Cats/Adv,	Claw Hammers		203 T	
HWSDT 25/01/1956,	Claw and Bailpien Hammers		204 T	
HWSDT 25/01/1956, HW-YB1948, Cats/Adv,	Claw and Bailpien Hammers		205 T	
HWSDT 25/01/1956, HW-YB1948, Cats/Adv,	Claw and Bailpien Hammers		206 T	
HWSDT 25/01/1956, HW-YB1948, Cats/Adv,	Claw Hammer 20 & 24 onz		886 T	
HWSDT 25/01/1956	Axes	three quarter axe, half axe, hatchets, lathes, hunters and broadaxe	208 T	
HWSDT 25/01/1956	Axes		207 T	
			689 T	
T/M detail,	Edge tools	(MEM) FASTGRIP spanner, 10" straight snips	360 T	
HW Journal 15/02/1950, and items	9" metal smoother, No 5 jack	Hammers and Trinsnips	211 T	
H.W. Year Book 1948, and items	9" metal smoother, No 5 jack		102 T	
T/M detail,	Hammers		279 T	
T/M detail,	Hammers including claw		280 T	
T/M detail,	Handtools, hammers, pliers etc		281 T	
T/M detail, advertisement HWSDT 25/01/1956,	Claw bailpien joiners, crosspein Hammers (Manufactured under American License)		97 T	

Australian Manufacturers

Address	Suburb	State	TM Period	TM To	Con Period	Con To	Entry	Comments	ID	X
209A Castlereagh St	Sydney	NSW	28/7/1947	21/8/1975	<1948>	<1950>	277		277 T	
209A Castlereagh St	Sydney	NSW	28/7/1947	21/8/1975	<1948>	<1950>	88		88 T	
67 Burnley St	Richmond	Vic			<1997>	<1997>	217		217 T	
67 Burnley St	Richmond	Vic			<1997>	<1997>	527		527 T	
							688		688 T	
Elder St	Perth	WA			<1948>	<1953>	511	Ironfounders, Engineers & Toolmakers	511 T	
Faulkner Ave	Belmont	WA					145		145 T	
							214		214 T	
							694		694 T	
							893		893 T	
352 Kent St	Sydney	NSW					128	Some by Mit-a-Mit - braces/drills	128 T	
360-362 Kent St	Sydney	NSW	11/07/1946		<1948>		215	also Metalcraft Engineering	215 T	
20-22 William St	Alexandria	NSW				<1985>	216		216 T	
							471		471 T	
380 Bourke St	Melbourne	Vic			<1950>		650		650 T	
105 Helen St	Northcote	Vic				C 1985	185	plus branches / outlets other states	185 T	
26-28 Kent Rd	Mascot	NSW			<1956>		96	Made for Silex	96 T	
							95	Made for Silex / some items both marks	95 T	
							687		687 T	
14 Morella Road	Clifton Garden	NSW			<1945>	<1953>	590	principal Keech Castings	590 T	
Kent Rd	Mascot	NSW	19/08/1943	2002			69	started 1935?	69 T	
							703		703 T	
Kent Rd	Mascot	NSW			<1948>	<1953>	202		202 T	
Kent Rd	Mascot	NSW			<1956>	<1956>	203		203 T	
Kent Rd	Mascot	NSW			<1948>	<1956>	204		204 T	
Kent Rd	Mascot	NSW			<1948>	<1956>	205		205 T	
Kent Rd	Mascot	NSW			<1948>	<1956>	206		206 T	
Kent Rd	Mascot	NSW			<1948>	<1956>	686		686 T	
Kent Rd	Mascot	NSW			<1956>	<1956>	208		208 T	
Kent Rd	Mascot	NSW			<1954>	<1956>	207		207 T	
							689		689 T	
375 Kent St	Sydney	NSW	20/2/1941	C 1946			360	MEM removed register 20/03/1969	360 T	
22 Newington Rd	Marrickville	NSW		03/02/1955	<1948>	<1950>	211		211 T	
22 Newington Rd	Marrickville	NSW			<1948>	<1950>	102		102 T	
22 Newington Rd	Marrickville	NSW	27/10/1947	07/12/1961			279		279 T	
22 Newington Rd	Marrickville	NSW	05/12/1949	17/02/1955			280		280 T	
22 Newington Rd	Marrickville	NSW	06/11/1946	17/02/1955			281		281 T	
22 Newington Rd	Marrickville	NSW	03/02/1955	<1969	<1956>	<1969	97	were MEM, removed register 20/03/1969	97 T	

ID	X	Mark	Initial	Markings	Maker
197		FERN 01 brand (Plumb's)		Logo fern leaf }	W.H.Plumb
237		FERN 02		Logo fern leaf }	
238		FERN 03		Logo fern leaf }	W.H.Plumb (Australia) Limited
698		FERN 04			Plumb (Aust.) Pty Limited
695		FERN 05			Australian Consolidated Industries Ltd
696		FERN 06			
702		FERN 07 brand Hytest			Hytest Axe & Tool Pty Limited
704		FERN 08			Hytest Axe & Tool Pty Limited
705		FERN 09			Hytest Axe & Tool Pty Ltd
706		FERN 10 brand (Pioneer)			Pioneer Industries Limited
707					
212		PLUMB 01	W.H.	[A "Plumb every one, everyone a Plumb"]	W.H.Plumb
565		PLUMB 02 (Original)	W.H.Pty Ltd	[Plumb's Tools Always Plumb]	Original W.H.Plumb Pty Ltd
110		PLUMB 03 (Original)	W.H.Pty Ltd	[with Fern Leaf Trademark]	Original W.H.Plumb Pty Ltd
711		PLUMB 04 (Transition)			
307		PLUMB 05 (AUST)	W.H. Lid		W.H.Plumb (Australia) Limited
502		PLUMB 06 (AUST)	Pty Lid		Plumb (Aust.) Pty Limited
109		PLUMB 07 (AUST)	Pty Lid		Plumb (Aust.) Pty Limited
700		PLUMB 08 Hytest		name change to HYTEST	Hytest Axe & Tool Pty Ltd
710		PLUMB 09 Hytest		Collins St instead O' Riordan address	Hytest Axe & Tool Pty Ltd
305		PLUMB 10 (AUST)	Pty Lid		
306		PLUMB 11 (AUST)	Pty Lid		
469					
180		HYTEST 1 (Plumb(Aust)PtyLtd)			into Plumb building on O'Riordan &
181		HYTEST 2 (subsidiary of A.C.I.)			Hytest Axe & Tool Pty Ltd
506		HYTEST 3 (Hytest Axe & Tool)			Hytest Axe & Tool Pty Ltd
480		HYTEST 4 (Hytest Axe & Tool)			Hytest Axe & Tool Pty Ltd
65		HYTEST 5 (Hytest Axe & Tool)			Hytest Axe & Tool Co
697		HYTEST 6 (Pioneer Industries Ltd)			Pioneer Industries Limited
690					
241		CRAFTSMAN Hytest			Hytest Axe & Tool Pty Ltd
488		BLUEFLASH Hytest			Hytest Axe & Tool Pty Ltd
489		HYCHROME Hytest			Hytest Axe & Tool Pty Ltd
412		CASCADE Hytest			Hytest Axe & Tool Pty Ltd
240		FORESTER Hytest			Hytest Axe & Tool Pty Ltd
242		CHALLENGER Hytest			Hytest Axe & Tool Pty Ltd
375		RACER Hytest			Hytest Axe & Tool Pty Ltd

Principal Source info.	IP	X
trade mark info	197	
trade mark info	237	
trade mark info	238	
trade mark info	698	
trade mark info	695	
trade mark info	696	
trade mark info	702	
trade mark info	704	
trade mark info	705	
trade mark info	706	
trade mark info and items	707	
trade mark info and items	212	
trade mark info and items	585	
trade mark info and items	110,	
trade mark info and items	711	
trade mark info and items	307	
trade mark info and items	502	
trade mark info and items	109	
trade mark info and items	700	
trade mark info and items	710	
trade mark info and items	305	
trade mark info and items	306	
trade mark info and items	469	
trade mark info and items	180	
trade mark info and items	181	
trade mark info and items	506	
trade mark info and items	490	
trade mark info and items	65	
trade mark info and items	697	
trade mark info and items	690	
trade mark info and items	241	
trade mark info and items	488	
trade mark info and items	489	
trade mark info and items	412	
trade mark info and items	240	
trade mark info and items	242	
trade mark info and items	375	

Blacksmith's tools such as flatters, fullers punches swages, hammers. Tongs such as flat, gad, pickup rivet & square, Boilermaker's tools such as chipping, rivetsnaps, drifts, mash hammers; Caulking tools Fullers, pincers, punches, shoeing tongs, pritchels; guttering irons. Hammers such as napping, spalling scaling & quarry mauls, hook & eye hinges, brackets, tyre levers, maul rings, bitch picks, Picks such as boxeye road, beater, universal, axend, roundeye; masons hammer, pitchers, punches, scabbling Carpenters pincers, lead + brass plumb bobs, plugging chisels, punches, roofing punches, trowels, soldering irons, lead ladels, rivetsets, groovers, spanners, rake lines, asphalt stampers, ship scrapers Quarry tools such as mauls, plugs & featherers. Tongs such as brazing & gas, tuck pointers tools, crowbars, spudbars, jumpers, pinchbars etc. rabbitors & chipping mattocks, maulhead punches, Wedges such as wood, hammer, maulhead woodhooks with solid or pipe handles.

Mattocks, hoes, quarry maul, spud, crow, jumper, pinch, wrecking and stripping bars, Star, plugging, crosscut & flat cold chisels, roof punch, spanners, hammer+maulhead wedges, tongs, Many hammers and sledges, soldering irons, rivetsets, bag hook, lead plumb bobs, ladders, Picks box eye road or muck, farmersbuffer, bolster, brush & fern hooks.

Hammer head, brass plumbbob-12, Farmers buff, (All metal "Scotch" ? braces marked SYDNEY 1942 All Australian on head)

Carpenters pin. adze, canoe adze. Axes - various, 3/4, mortising, tomahawk, casemaker hatchet, Hammers - engineers, napping, spalling, miners, sledge double+pin, chipping, gympie drill, mash, Mattocks - rabbitors, grass, pickend cutterend, Crowbar, wrecking bar, blocksplitter, gads, leadladels, Picks - road/muck, quarry, miners single and double end, railway beaters, splitting+backing wedges, Hoes - rabbitors, cultivating, grubbing, chipping, burr, planters, brick bolster, plugging & cold chisels.

Axes and hatchets
 Axes
 Axes
 Axes
 Sledge spalling, napping drill, mash, engineers and claw hammers timber splitting wedges
 Axes and hatchets
 Axes and hatchets
 Axes and hatchets

(Bondi Junction C1953 ?)

company letters
 company letters
 trade mark info
 12/08/1963 price list
 Vol 6 No 3 Aug 94 Tool Chest

Address	Suburb	Date Transferred	T.M.T. Completed	Cont'd Entry	Comments	ID	X
O'Riordan St	Alexandria	NSW 19/05/1925	1911	C1934	197 William Henry Plumb T/A W.H. PLUMB	197	
O'Riordan St	Alexandria	NSW 00/06/1938		237		237	
O'Riordan St	Alexandria	NSW 10/08/1939		598	Sub Prop W.H. Plumb (Australia) Ltd	238	
Dowling St	Waterloo	NSW 00/00/0000		595	Sub Prop Plumb (Aust) Pty Limited	698	
				696	Sub Prop Australian Consolidated Ind Ltd	695	
Collins St	Alexandria	NSW 22/08/1946		702	Name Change	702	
Collins St	Alexandria	NSW 17/10/1946		704	Address Change	704	
Collins St	Alexandria	NSW 11/06/1952		705		705	
23 George St	Homebush	NSW		706	Sub Prop 1975 Removed 1980	706	
				707		707	
O'Riordan	Alexandria	NSW	[1911 >	19/05/1925	212 William Henry Plumb T/A W.H. PLUMB	212	
Kendall St	Woollahra	NSW	<1934 >	<1956 >	585 W.H.Plumb "The Tool Maker" - add	585	
Kendall St	Woollahra	NSW	<1934 >	1975 / 6]	110 Ref 1934 - W.H.Plumb (Aust) Ltd	110	
				711	G. M. Mr. W.A. Crick continued old address	711	
O'Riordan St	Alexandria	NSW 18/10/1938		307	Sub. Prop. W.H.Plumb (Australia) Limited	307	
O'Riordan St	Alexandria	NSW 10/08/1939		502	Sub. Prop. Plumb (Aust.) Pty Limited	502	
Godfrey St	Alexandria	NSW	1939	<1940 >	109 New Factory	109	
Collins St	Alexandria	NSW 22/08/1946		700	Plumb(Aust)Ply Ltd - dropped 1946	700	
Collins St	Alexandria	NSW 17/10/1946		710	Registered - Address Change	710	
420 Spencer St	Melbourne	Vic	Oct 1946	<1946	305 Sub- Australian Consolidated Industries Ltd	305	
Dowling St	Waterloo	NSW 00/00/0000		306	Sub- Australian Consolidated Industries Ltd	306	
				469		469	
Collins St	Alexandria	NSW	C1932	<1946 >	180 General Manager Mr W.A. Crick	180	
420 Spencer St	Melbourne	Vic	1945 >	<1962 >	181 Sub- Australian Consolidated Industries Ltd	181	
Booker St	Spotswood	Vic		506	Melbourne address of works	506	
Collins St	Alexandria	NSW 28/10/1946	[1946 >	<1956 >	490 Sub Prop T/M 1967	490	
Collins St	Alexandria	NSW		<1963 >	a unit of Fern Holdings Pty Ltd	65	
23 George St	Homebush	NSW		<1962 >	Pioneer also tover Gwllight 1964. & Savage	697	
				690		690	
Collins St	Alexandria	NSW 06/03/1957		241	Aband. 16/04/1957	241	
Collins St	Alexandria	NSW 28/10/1946		488		488	
Collins St	Alexandria	NSW 28/10/1946		489		489	
Collins St	Alexandria	NSW 14/06/1950	06/08/1964	412		412	
Collins St	Alexandria	NSW 06/03/1957	05/10/1967	240	Sub. Prop. T/M 05/10/1967 Pioneer Ind	240	
Collins St	Alexandria	NSW 06/03/1957	1984 >	242	Sub. Prop. T/M 05/10/1967 Pioneer Ind	242	
Collins St	Alexandria	NSW 06/03/1957		375	Sub. Prop. T/M 05/10/1967 Pioneer Ind	375	

Wheel Making by Steam Power

Wood working machinery has a long history. The first machines were developed to increase human or animal power.

With the perfection of the steam engine this motive force was applied to wood cutting. The earliest types of wood working machines were designed for specialised tasks.

The breakthrough was the range of machines manufactured to process sheave blocks in the Naval Dock Yards in Britain in the 1790s. By 1810 machines to saw, plane, mould and mortice wood had been developed.

In every case these machines were designed for specialised tasks. For example the first machine plane, the mechanical adze, was designed to prepare floor boards.

Wooden ship building was the initial application of machinery to wood processing. The principles of the machines designed to process ship components were then applied to other large scale industries.

Demand for wooden wheels was constant through out the nineteenth century. By the 1860s machines had been perfected to manufacture all the components of wooden wheels. These machines were for every stage from processing the wood to assembling the wheel and applying the iron tyre.

To give some idea of this technology the following illustrations, from the 1878 Catalogue of Thomas Robinson & Son, are reproduced. These are

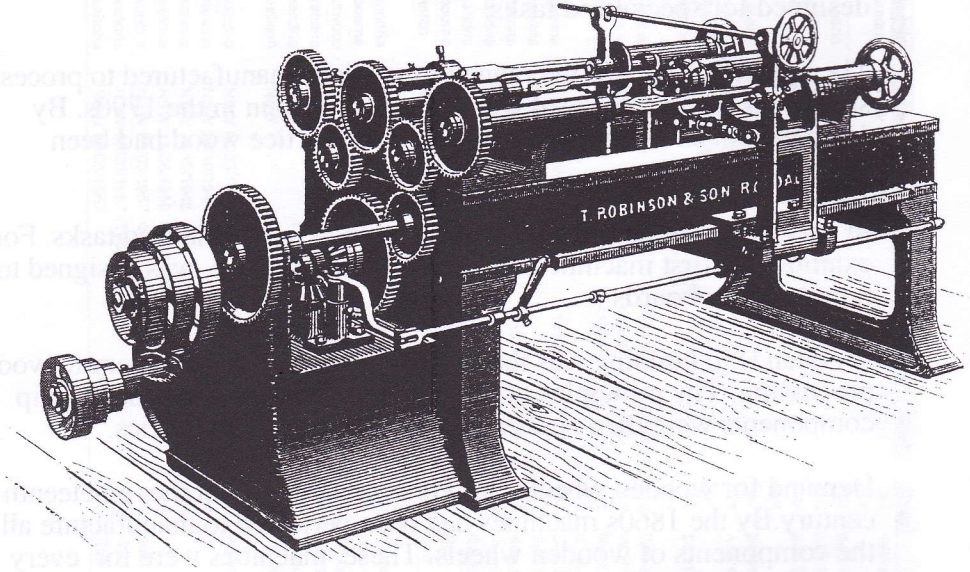
-Improved Double Spoke Lathe,

-Machine for Morticing the Naves of Wheels.

-Machine for Boring Felloes and Tanging Spokes.

-Felloe Planing Machine.

THOMAS ROBINSON & SON,
ROCHDALE,
MAKERS OF ALL DESCRIPTIONS OF
WOOD-CUTTING MACHINERY.
(Entered at Stationers' Hall.)



IMPROVED DOUBLE SPOKE LATHE.

The Machine here shown is designed for shaping wheel spokes, hammer shafts, and other similar work.

The iron pattern and the timber to be shaped rotate slowly on the centres of headstocks, whilst the cutters operate, cutting across the grain of the wood, as in the "Single Spoke Lathe, V."

The cutters are carried on swing brackets attached to a sliding carriage, which traverses the bed by means of a screw, driven by cone pulleys at a speed varying to suit different kinds of work. By a simple self-acting arrangement, after cutting to the end of the spoke, the motion working this screw is thrown out of gear, thus causing the cutters to stop in their traverse.

The cutters are driven direct from an overhead counter-shaft, which is included in the price of the Machine.

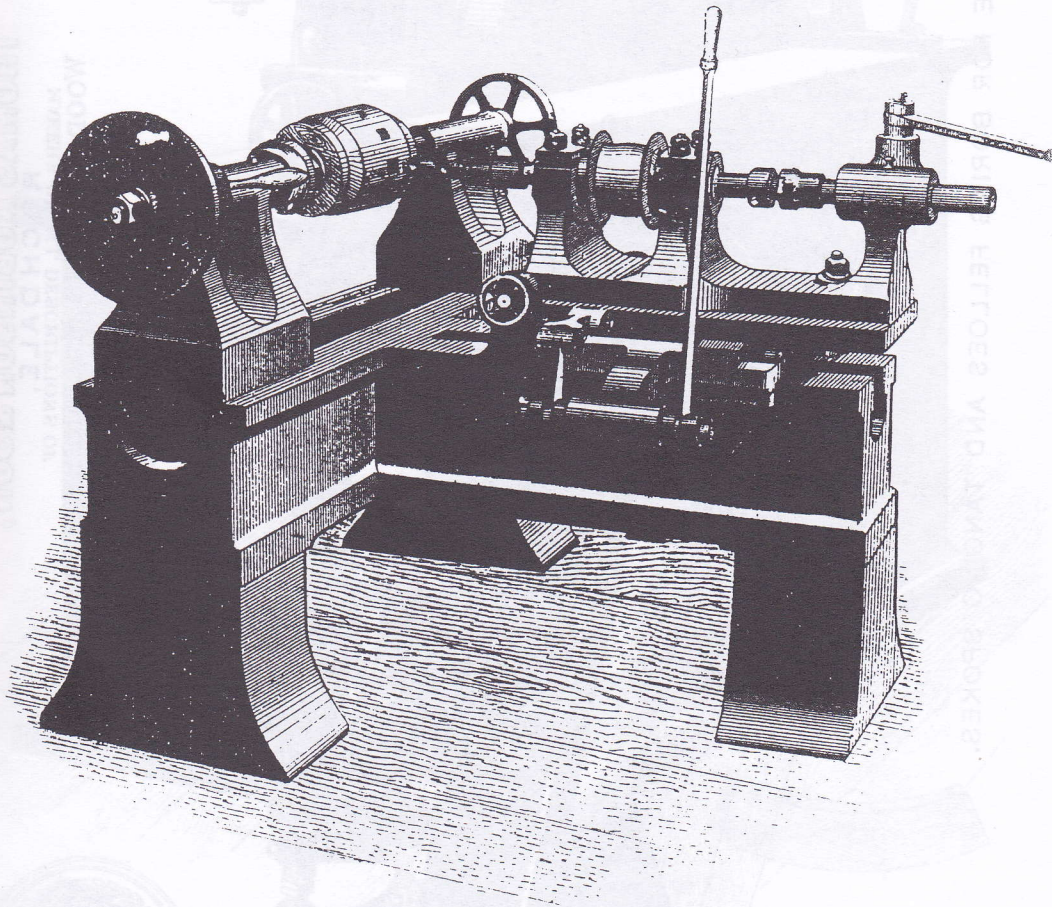
Machines similar in construction to this are made for shaping four or more spokes at once.

Weight, 2½ tons.

Power required, 1-horse.

THOMAS ROBINSON & SON,
ROCHDALE,
MAKERS OF ALL DESCRIPTIONS OF
WOOD-CUTTING MACHINERY.

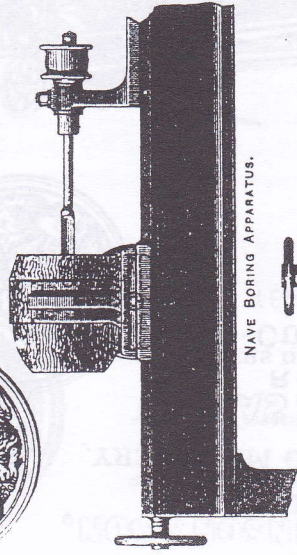
(Entered at Stationers' Hall.)



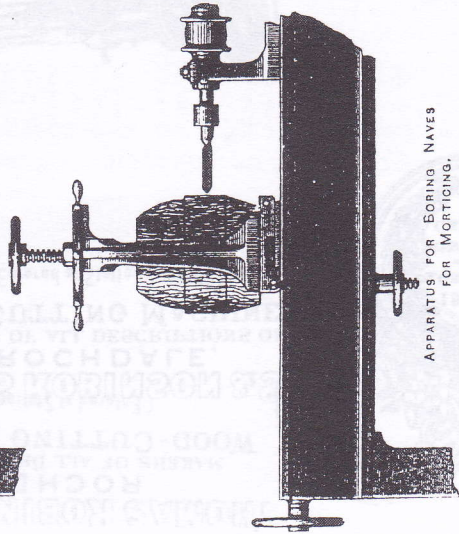
MACHINE FOR MORTICING THE NAVES OF WHEELS. 17

THOMAS ROBINSON & SON,
ROCHDALE,
 MAKERS OF ALL DESCRIPTIONS OF
WOOD-CUTTING MACHINERY.

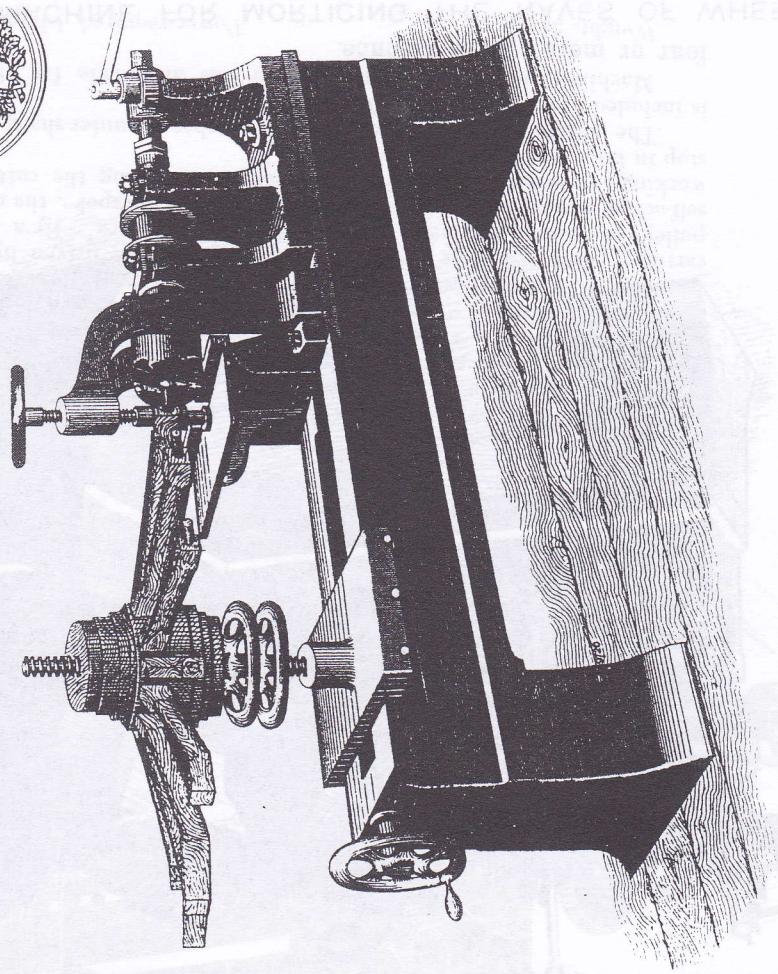
(Entered at Stationers' Hall.)



NAVE BORING APPARATUS.



APPARATUS FOR BORING NAVES
 FOR MORTISING.



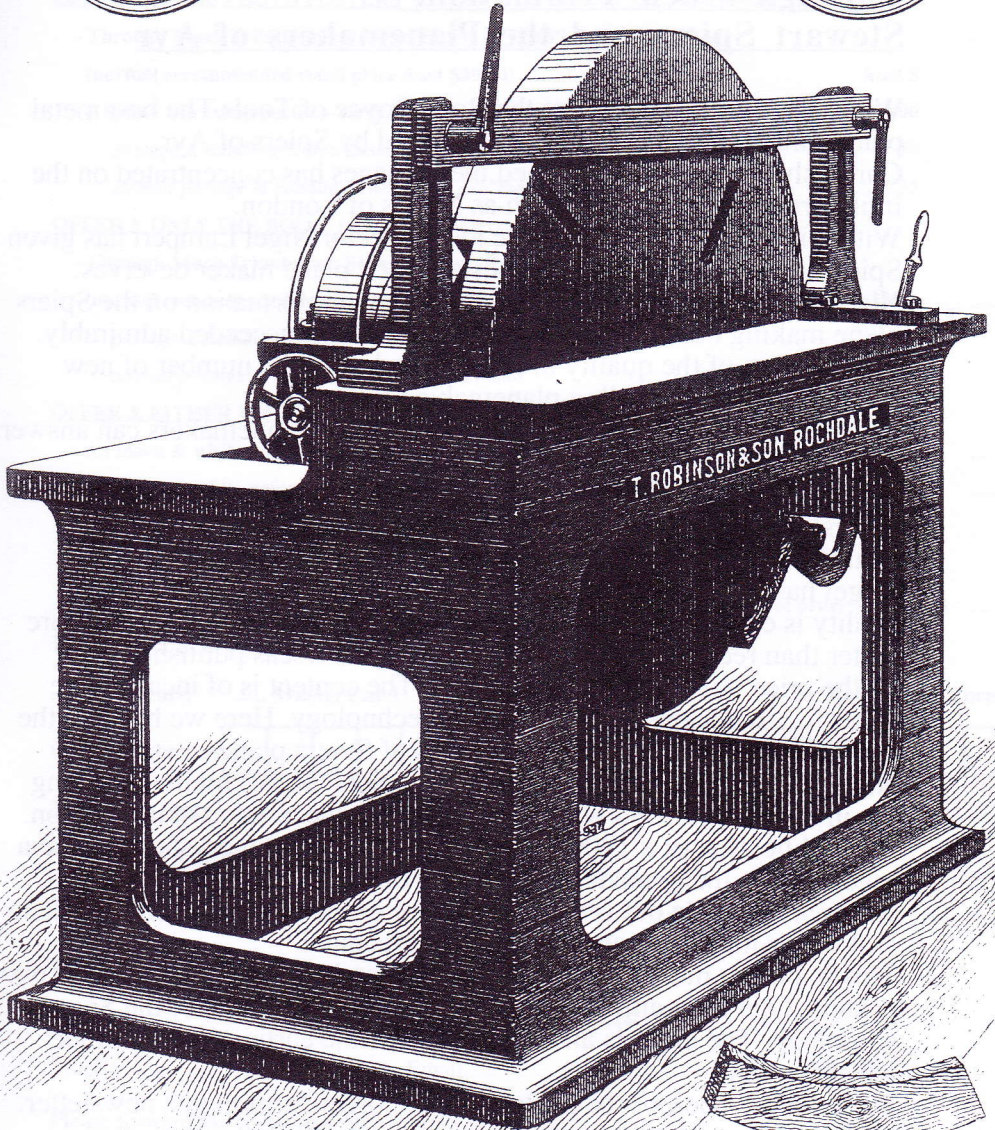
MACHINE FOR BORING FELLOES AND TANGING SPOKES.

THOMAS ROBINSON & SON,
ROCH DALE,
MAKERS OF ALL DESCRIPTIONS OF
WOOD-CUTTING MACHINERY.

(Entered at Stationers' Hall.)



F1



FELLOE PLANING MACHINE.

Book Review.

Through Much Tribulation:

Stewart Spiers and the Planemakers of Ayr

Wood lined metal planes are the Rolls Royce of Tools. The best metal planes are arguably planes manufactured by Spiers of Ayr.

Curiously interest in wood lined metal planes has concentrated on the imitators of Spiers of Ayr such as Norris of London.

With this publication Melbourne tool collector Nigel Lampert has given Spiers the attention such a long established plane maker deserves.

Nigel has attempted to present all the known information on the Spiers plane making business. In this objective he has succeeded admirably.

The paradox of the quality of this research is in the number of new questions raised regarding planemaking in Britain.

Only further research into all wood lined metal planemakers can answer the questions posed by this study.

Perhaps another Australian will undertake the necessary research into Spiers' contemporaries. The full story involves the other Northern manufacturers, notably Mathieson.

Nigel has published this book at his own expense. The production quality is excellent. The printing, binding and photographic plates are better than recent publications on tools by overseas publishers.

At the price it is real value for money. The content is of incalculable value to any serious student of plane technology. Here we have all the facts plus photographs of all the types of Spiers planes.

Nigel has expanded the knowledge of Spiers planes by investigating the involvement of Stewart Spiers, and his successors, in innovation.

The publication of a 1900 snap shot of the Spiers' workshop will be a revelation to many readers. The quality of the photograph is poor but what can be made out is the existence of extensive machinery. One item looks very much like an early Milling Machine!

This book is a must have for all TTTG members. Also available are two posters. One is an enlargement of the 1900 photograph of the Spiers workshop. The other is an enlargement of the earliest known Spiers advertisement.

To order the book or the posters use the order form in this newsletter.

MAIL OR TELEPHONE YOUR ORDER. ONLY available directly from:
 Oliver Publications, P.O. Box 658, Pascoe Vale 3044, Victoria Australia.
 Telephone +61 3 9350 2242 Fax + 61 3 9350 2242

INTRODUCTORY OFFERS (all prices in Australian dollars):

OFFER 1. BOOK + BOTH POSTERS (save \$9.50 off recommended retail prices)

- Through Much Tribulation: Stewart Spiers & The Planemakers Of Ayr (normal recommended retail price Aust \$39.50)	Aust \$	
+ Spiers workshop poster + early Spiers advertising poster, all for . . .	50.00	.....
<i>postage & handling within Australia</i>	7.50	.....
<i>airmail postage & handling within New Zealand</i>	11.25	.....

OFFER 2. ONLY THE BOOK (save \$5.00 off recommended retail price)

- Through Much Tribulation: Stewart Spiers & The Planemakers Of Ayr (normal recommended retail price Aust \$39.50)	34.50	.....
<i>postage & handling within Australia</i>	5.20	.....
<i>airmail postage & handling within New Zealand</i>	8.50	.....

OFFER 3. EITHER POSTER INDIVIDUALLY (Recommended retail price = \$10.00 each)

- A3 black & white poster of Spiers workshop photograph for framing	9.00	.....
- A3 black & white poster of early Spiers advertising leaflet for framing	9.00	.....
<i>postage & handling within Australia for either 1 or 2 posters</i>	4.30	.....
<i>airmail postage & handling within New Zealand for either 1 or 2 posters</i>	5.75	.....

Total cost of order Aust \$

1. Credit Card details:

.....Bankcard MasterCard VISA Diners Club American Express

Card number:

2. Expiry Date: /

3. Mailing Address:

Name: Address:

Suburb/Town: State: Post Code:

Country: Telephone: Home:

Mobile: Email:

Please forward the goods indicated above Signed: Date:

Payment by credit cards, bank cheques or cash. Additional fee charged for cheques not in Australian dollars. Credit card orders (Visa, Bankcard, MasterCard, Diners Club, American Express) accepted by mail or telephone.

Chips Disston: Australian Made Saws

Terry Butcher has sent this advertisement for Australian made Disston saws from the Australian edition of Popular Mechanics, January 1965

Chips Disston says...

"Be a Sharp Buyer!"



Disston saws have enjoyed overwhelming popularity amongst tradesmen for generations. The traditions and ideals set down by the founder are diligently maintained in the Australian manufacture.

Subjected to critical examination and test, every saw leaving the Disston works is of the same high standard that has made the name of Henry Disston famous throughout the world. That is why we guarantee all our products against faulty material and workmanship.

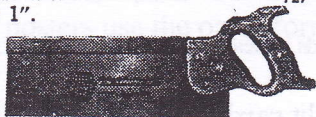
THREE SAWS FROM DISSTON'S FAMOUS RANGE



D-95 Lightweight Straight-back Handsaw 26"—5½", 7, 8 and 10 pts. to 1".



D-8 Skew-back Handsaw 22" and 26"—4½", 6, 7, 8 and 10 pts. to 1".



No. 4 Backsaw 10" 12" and 14"—13 pts. to 1"

CLASSIFIED ADVERTISEMENTS.

WANTED.

Any unusual tools or ephemera relating to
Alex. Mathieson and Sons of Glasgow & Edinburgh.
Also Needlework tools, especially unusual scissors.
Contact: John McDonald 02 62886142
Or write to: P.O. Box 13 Duffy A.C.T. 2611.

Copy of George Ellis
"Modern Practical Joinery" June 1902
Woodworker Annuals.
Condition and price to the editor TTTG.
(or phone 0298697487)

PLANE IRONS.
Parallel Irons by Mathieson, Spiers, Norris etc
Price and condition to Fred C/- The Editor TTTG

Shoulder Plane by Spiers or Mathieson
Condition and price to the editor TTTG.
(or phone 0298697487)

**Cache of Brazilian
Tulipwood Discovered in
Suburban Sydney!**

Two pieces of brilliantly figured *Dalbergia frutescens* have been discovered in a workshop basement here in Sydney and are for sale. Each piece measures 50mm x 50mm x 300mm (that's 1ft of 2" x 2" for you traditionalists).

Provenance is impeccable - the pieces have been languishing in the present owner's workshop for some years awaiting that special job, and hence can be considered to be very well seasoned.

The price is indicative of the rarity but in any case, can be negotiated with Ray Gurney on (02) 9569 1241.

SYDNEY

TOOL SALE & SWAP

Sunday March 7th

9am to 2pm

Hunters Hill High School

Entry \$5

Reiby Rd

Hunters Hill

Australias biggest second hand tool sale is on again

Thousands of quality used woodworking hand tools for the user or collector.
All the usual suspects will be present plus some new faces for your entertainment.

Stanley Preston Starrett Record Sargent Matherson Spiers Norris

Japanese and other quality woodwork tools at very competitive prices

Large range of tool catalogue reprints and woodworking books available

Enquiries - Henry Black: Phone (02) 97447875 Fax. (02) 97447037