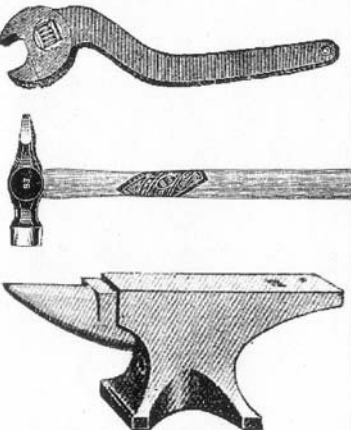


**SALVAGE**  
**42**  
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**TTTG Inc.**

**THE TRADITIONAL TOOLS GROUP (Inc.)**

**TTTG Newsletter No. 70. April 2003.**

**Contents.**

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**Library News / Directory.**

**On The Web.**

**Advertisements.**

**Cover:**

Taken from a Nock & Kirby advertisement, about 1960.

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**Postal Address.**

The Secretary TTTG (Inc.)

P.O. Box 240 Grosvenor Place

Sydney N.S.W.1220.

**Enquires:** Mike Williams

02 9144 6356

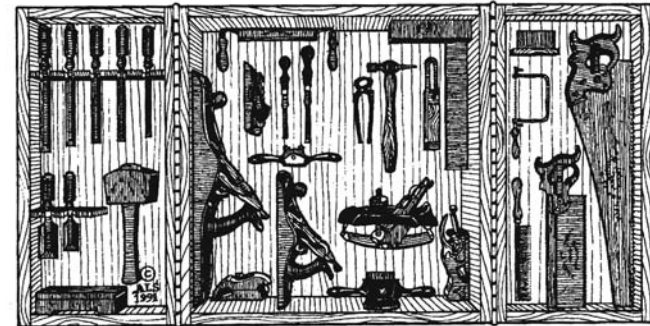
Bob Crosbie

[r.crosbie@bigpond.com](mailto:r.crosbie@bigpond.com)

**[tttg.org.au](http://tttg.org.au)**

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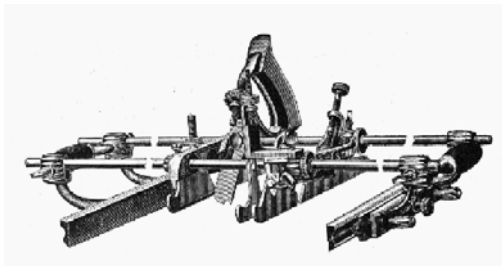
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Contact Ray, member TTTG

## HANS BRUNNER TOOLS

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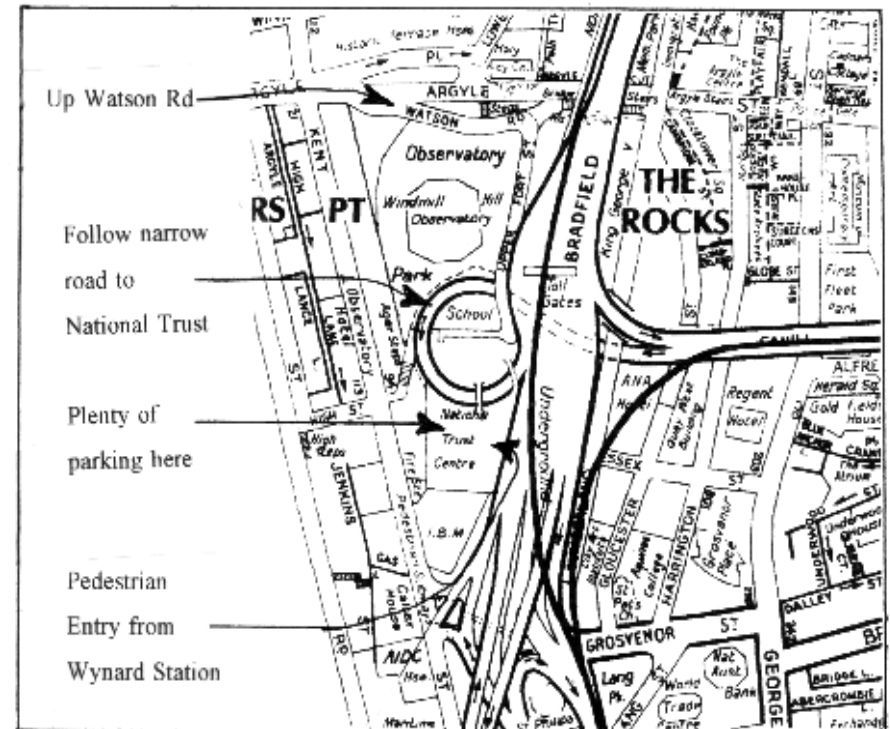
Hans Brunner Tool Auctions

Email: [hbrunner@gil.com.au](mailto:hbrunner@gil.com.au)

Phone: (07) 3281 0280

**Next Meeting**  
**National Trust Centre,**  
**Observatory Hill.**

**Tuesday 8<sup>th</sup> April 2003**  
**Annie Wyatt Room**  
**Commencing at 7:00pm**



### PROGRAMME

1. HOW I MAKE PLANES. AWARD WINNING DAVID CHEE WILL GIVE US A TALK ON HOW HE MAKES HIS OWN PLANES THAT RIVAL THE HIGHEST PRICE COMMERCIAL MODELS. DON'T MISS THIS ONE!
2. THE TALK WILL BE FOLLOWED BY FRED'S WOTSIT.
3. OUR FUN AUCTION.
4. SUPPER BY MARIO DATO.

## Next Meeting.

**Topic:** **How I make planes.**  
**Presenter:** **David Chee.**  
**Time:** Tuesday Evening **8<sup>th</sup> April 2003.**  
**Location:** **National Trust Centre.** Annie Wyatt Room.  
Observatory Hill. The Rocks. Commencing at **7:15 pm.**

David Chee is a modest man who can make superb wood lined planes. Find out what started David making planes and share his discoveries. Bob Sheehan and other TTTG members with more than a bit of plane making experience will also be present at this meeting. The auctioneer has been offered a vast collection of ironmongery. Everything is for sale on "take what ever you can get" terms. Again if you miss this meeting you will regret not having attended.

*Examples of David Chee's and Bob Sheehan's planes can be seen in Australian Wood Review No. 38.*

*In the Australian Wood Review Hand Tool Making Competition three TTTG members won prizes for Planes.*

*David Chee achieved First Prize.*

*Bob Sheehan and Jim Davey achieved equal Second Prize*

## Previous Meeting.

**Time:** Tuesday Evening **11<sup>th</sup> February 2003.**  
**Location:** **National Trust Centre.** Annie Wyatt Room.  
Observatory Hill. The Rocks. Commencing at **7:15 pm.**  
**Topic:** **Improved and Patent Planes.**  
**Speaker.** Fred Murrell.

This meeting was opportunity to examine improved and patent planes by:-

**KIMBERLEY, MATHIESON, PRESTON, SPIERS & other makers &**

Rare planes such as,

a **Gabriel Mitre** Pane, a **Mathieson Bridle Plough**,  
a **Spiers "Plane O Ayr"** Plane & a **Mayo Plough**

Fifty TTTG members and guests attended this meeting!

Fred's planes were admired by all present and the questions were numerous.

Plane makers David Chee and Bob Sheehan showed several superb planes.

The audience wanted more so the next meeting will discuss plane making.

## Advertisements.

### RATES.

All **WANTED** and **FOR SALE** advertisements **are free.**  
Quarter Page \$10 per issue. \$50 per annum.  
Half Page \$15 per issue. \$80 per annum.  
Full Page \$20 per issue. \$100 per annum.  
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### WANTED

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Not after mint chisels. User chisels only.  
Square edge chisels all sizes 1" and above.  
Contact Mick Dowling. Phone 03 93863481 or 0407 544338.  
email: [itshimselfthen@bigpond.com](mailto:itshimselfthen@bigpond.com)
- Any planes made by Jas. McLaren Melbourne, even a photo.  
Spiers or Mathieson Thumb, Chariot, and any Gunmetal Planes  
Phone Jim Black. Phone 0351 825561.
- 720 Stanley chisel (marked so) in 1 1/4 width (VG condition)  
Stanley block plane #140, a screw for side.  
[peterrevans@optushome.com.au](mailto:peterrevans@optushome.com.au)
- Australian made implement wrenches and spanners.  
Anything either marked as Australian Made or known to be so.  
Also ones from Railway workshops and other enterprises.  
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- Shaper/Planer tools and tooling, any condition.  
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- Blacksmiths Post and Bench Drills, hand or power, any condition, up to 1940.  
Buffalo, Champion, Silver, Globe, Dawn, Goodall Pratt, Union.  
Rick Mitchell. Phone 4751 4762 or 4751 9797.
- Starrett Scratch Gauge No 29.  
Woodworker Annuals. Numbers 48, 49, 52, 53, 54, 56. & pre 1940

## The Architects' Sector

Mike Williams

Before the days of Computer Aided Drawing (CAD), Architects and Engineers had to rely on their ability at the drawing board to translate their ideas into a buildable reality.

To make their task easier, there were a number of ingenious devices available besides the more familiar compass and dividers. Protractors and set squares were beautifully made in the best tradition of scientific instruments yet, before the invention of Perspex, their weight and visual opacity made them somewhat clumsy to use. Wooden and brass protractors and set squares were often pierced so that they were both lighter and the draftsman could at least see part of what he was drawing underneath them.

Engineers relied on their slide rules to calculate angles precisely and to determine trigonometrical relationships such as sines, cosines and tangents but often the architectural draftsman wanted a more visual aid to measure and draw angles and the Sector was made to fill this need. With just the Sector and a pair of dividers, angles could be measured accurately from a drawing or conversely the sector could be set to a required angle and used to draw it on the work sheet. This was the simplest and most common task for the Sector but it was capable of a whole range of geometric tasks and calculations.

My problem is that nowhere have I been able to find a set of instructions for these more complex operations and the bewildering number of scales engraved on the Sector makes the task of working it all out, a daunting task indeed. Some months ago John Bates found a set of instructions for a simplified Sector by Chesterman. This was a start, but unfortunately the Chesterman rule was only designed to set up angles, so the operation of the other Sector scales remains a mystery.

Does anyone out there know how to use a Sector to its full capability?



## Editors Notes.

“Not more planes!”

This is a comment I occasionally receive in response to TTTG Newsletters. So every article on planes, every meeting about planes and every workshop on planes is carefully evaluated in case it puts some members off side. I was a bit worried about the last meeting, mainly because it was my idea to have Fred share his comprehensive collection of rare planes with the audience. From the moment I worked into the last meeting I felt my reservations were unfounded. When we did a head count we tallied up just under fifty people. The next meeting is also on planes. Time will tell how this goes! The speaker is David Chee, the planes he makes are superb and he is a good talker.

The Committee has received many requests for more “hands on workshops”. The next workshop will be on plane fettling and will be conducted at the Woodworks Book and Tool Co. Meadowbank shop in May. The last Workshop was on Saw Sharpening. I must admit I had my doubts about this one. Could we really teach saw sharpening in one morning? Despite the teachers’ laid back approach those participating did leave with new skills and sustained enthusiasm. Some even had sharp saws to take home!

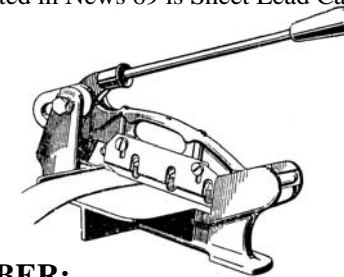
TTTG will be present at the Rouse Hill Open Day in May. The Timber Show is in June this year. Volunteers are needed for both events. So if you can help!

Anyone interested in a workshop on basic metal turning and machining? If we get enough responses we will offer this at the same venue, and at the same cost, as the Saw Sharpening Workshop. If you want any hands on instruction please contact the TTTG Committee. There may be others interested.

## What is it?

The mystery tool illustrated in News 69 is Sheet Lead Casting Table.

## What is this?



**PLEASE REMEMBER:  
2002/2003 SUBSCRIPTIONS ARE NOW DUE.**

## Web News.

Darcy Hourd

The web site has been active for 8 months now and has been quite successful. There has been a number changes to it in the last fortnight to address the need to make the web site more interactive:

1. A subtle change to the layout of the website now includes a site map button (press on the TTTG logo), which displays an index of all the information available on the website on one page instead of having to look for it on the side index or at the bottom. It will also eventually show archived articles, member's contributions, and past events.
2. The TTTG Library is now available online to search. Accessing the Library page will permit entry of a title, author, subject or a partial thereof and will give a listing of books, periodicals, etc that are a part of the TTTG's library. Currently only half the library is available.
3. There is a new page called "Lost & Missing" which will show a list of items that submitters would like to know the whereabouts of that have been lost, stolen or missing. This page has been added to provide a public service, which is probably quite unique to the Internet, at least for tools.
4. At the bottom of the screen is a link to "Member Access" (or see it on the site map under Member's Concerns), jump to the "Member Access Login" page and you will be permitted to access restricted parts of the site. If you have never logged on, then you will require a user name and a password; to obtain these items click on "Register Here". At which point you will be brought to a page where you will be required to verify who you are, by entering in your membership details, so have the envelope the newsletter came with ready, as those are details you will require. When you have been successfully verified, you will be asked to give yourself a Login Id, a password and to confirm that password. If everything went well, you should now be logged on! As a side note please check your member details to verify they are current, and optionally entered other contact information that will be shown.
5. Members can now update want ads and submit articles/images. If you are a registered member (see item 4 above) you will be able to update your own want ads and send your own articles (optionally with images) to be shown on the website. To do so, logon via Member Access, enter your Login Id and password and you will be presented with 2 options, the first is "Update Want Ads", and the second is "Article Submission". Press on the desired button and follow the instructions.

If you have any problems, comments or criticisms regarding the site, send me an email to [webmaster@tttg.org.au](mailto:webmaster@tttg.org.au)

## On The Web.

### Hans Brunner.

Hans Brunner has finished, 28<sup>th</sup> March, "a special discount" sale on his site. His new stock looks pretty good, so get in quickly!  
[hbrunner@gil.com.au](mailto:hbrunner@gil.com.au)

### Working Tools.

Working Tools is based in Tasmania. They have a large stock of interesting tools and books. Descriptions are detailed and accurate and the mail order service is excellent. A site worth visiting regularly.  
<http://workingtools.com.au>

The Woodworks Book & Tool Co.

With two shops this company has lots of tools and books for sale. To check if they have what you are looking for log on to this site.  
[www.thewoodworks.com.au](http://www.thewoodworks.com.au)

### TTTG.

Our site is constantly improving. Contributions and ideas are always welcome. In fact it is moving so fast that the idea can barely keep track of developments.  
[www.tttg.org.au](http://www.tttg.org.au)

**STOP PRESS**

## **Henry's Sydney Tool Sale**

**Henry has set a date for this year's tool sale!**

**Set aside Sunday August 17<sup>th</sup> in your diaries for this eagerly anticipated event.**

**Same venue as last year, but more details will be available closer to the date.**

**Remember that you heard about it first through your TTTG newsletter**

## Book Review.

continued

For many applications corrosion resistance is a major factor in the choice of metal. This book has a lengthy list of such alloys and suited to general use as well as a long listing grouped according to the compound or mixture to which the metal is resistant. The table starts with 'Acetic Acid' and ends 230 items later with 'Wine'. A similar but much larger table contains metals recommended for such tools as bandsaws, chisels, knurls, hammers, hacksaw blades, saws, scrapers and twist drills.

As a service to members I am prepared to receive requests for a copy or transcript of information from the book and distribute by post, fax or e-mail. However, if you would like your own copy I suggest trying the usual second hand sources; a new copy of Woldman's Engineering Alloys on CD Rom will set you back about US\$400!

John Bates

## Library News.

Rick Mitchell

### Periodicals Received.

- Hand Tool Preservation Society of Western Australia. (HTPSWA). Newsletter.
- Hand Tool Preservation Association of Australia Inc. (HTPAA). Tool Chest/Sharp Edge Vol.14 No.3. Issue 65, August 2002.
- TATHS. Tools and Trades History Society. Newsletter 79 Winter 2002. Journal Vol. 13.

### Directory.

- The Traditional Tools Group Inc. (TTTG). ttg.org.au  
P.O. Box 240 Grosvenor Place. Sydney N.S.W.1220.  
Enquires: Mike Williams phone 02 9144 6356  
Bob Crosbie e-mail : [r.crosbie@bigpond.com](mailto:r.crosbie@bigpond.com)
- Tools and Trades History Society. (TATHS)  
Membership Secretary: Jane Rees.  
Barrow Mead Cottage. Rush Hill, Bath. United Kingdom.  
BA2 2QP 01225 837031 (Office hours only).
- Hand Tool Preservation Association Australia. Inc.(HTPAA).  
P.O.Box 1163 Carlton. Victoria. 3053.
- Hand Tool Preservation Society of Western Australia. (HTPSWA).  
8 Belham Street, Bayswater. Western Australia

## Correspondence.

Bob,

I recently acquired Wundagrind aluminium two part oil stone container including a two grit stone.

No patent, nor any markings apart from the transfer.

Is this similar to that at recent TTTG meeting. There are no mechanisms nor slots to assist with determining the angle, it would appear to be just a substantial container for the stone.

Possibly another product from the Wundagrind range.

Cheer Rod.

Editor's reply.

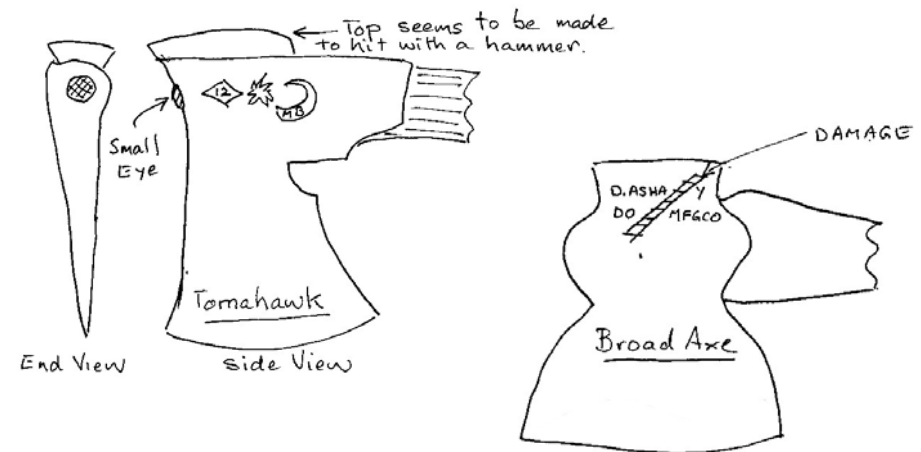
Rod this is it, we might publish the instructions in News.

Nice Aluminium box but the paint job is a bit poor. I wonder how many are still out there?

Dear Editor,

Hoping you can help in my request. I am an axe collector, have been for the past four years. You could say that I am a beginner. I have some two hundred axes, including tomahawks. Just recently I obtained a tomahawk and a broad axe. The stamp on the tomahawk is very faint. Can you provide any information from the drawings below?

Jack Goldsmith. Post Office. Comboyne. NSW. 2429.



EMAIL THE EDITOR ON [r.crosbie@bigpond.com](mailto:r.crosbie@bigpond.com)

## Events.

### Open Day, Rouse Hill House .

“Wood” May 2003.

TTTG was involved in the 2002 May Open Day at Rouse Hill House. A stall was staffed and information leaflets were distributed to the public. Despite poor weather conditions TTTG’s presentation was well received. This year the demonstrations will be both self contained and sequential. The common theme will be “How was Rouse Hill House Built? ” Information on colonial history and building techniques will be integrated. There will be five demonstrations of about forty five minutes duration. Tools available to the carpenters and joiners who built Rouse Hill will be displayed and the presenter will demonstrate how to these tools are used.

### Plane Fettleing Workshop.

**When :** May 2003.  
**Where :** WOODWORKS Meadowbank Shop.  
**What :** Emphasis will be on fettleing bench planes.  
The workshop will include repairs, sole flattening, sharpening and set up. Materials, spare parts and old planes will be for sale during the workshop.  
**Cost:** Same cost as Saw Sharpening Workshop.  
Join TTTG and save!

Expressions of interest are called from TTTG members interested in attending this proposed workshop.

### Metal Working Skills Workshop.

Basic metal turning, machining and bench skills. Bring a tool to repair.  
Expressions of interest are called from TTTG members interested in attending this proposed workshop.

### **Sydney Timber and Working With Wood Show.**

Fox Studios Moore Park.  
Friday 20-Sunday 22 June 2003.

**WANTED.** Volunteers for the TTTG Stand.

Please inquire about the “benefits” of being there!

## Book Review.

I recently came upon an old book titled Engineering Alloys: names, properties and uses written by Norman Woldman and Albert Dornblatt and published by the American Society for Metals in 1936. The content runs into hundreds of pages and covers metals made in the USA, England, France, Germany and Sweden. If you were looking for a particular type of metal, or metals made (or used) by a certain company, or needed a metal suitable for a certain use or tool then this book would have been invaluable.

For example entries under Henry Disston & Sons Inc of Philadelphia, Pennsylvania cover more than 20 varieties including the following tool steels: Disston Best, Disston Extra, Disston Standard, Disston Special Alloy, and Disston Fast Finishing carbon steels, Kutkwik alloy steel and a range of stainless steels including Disston Stainless Iron, Disston Stainless Type A and Disston Stainless Type B.

The Stanley Works of New Britain Connecticut had some interesting entries including those below:

ALLOY STEEL	COMPOSITION	USES/REMARKS
Stanley Grade A	0.12 max C, 12-15Cr, balance Fe	corrosion resistant parts
Stanley Grade B	0.12 max C, 15-18Cr, balance Fe	corrosion resistant parts
Stanley Grade C	0.13-0.35C, 18-23Cr, balance Fe	corrosion resistant parts
Stanley Grade D	0.13-0.20C, 17-19Cr, 7-9Ni, balance Fe	stainless, heat & corrosion resistant parts
Stanley Grade E	0.13-0.20C, Mn, 12-15Cr, Ni, balance Fe	corrosion resistant parts - discontinued

Virtually all the well known toolmakers of the day were represented. Entries include H Boker & Company Inc, The Norton Company, Samuel Osborn & Company Ltd of Sheffield, the Sandusky Foundry & Machine Company of Ohio, Sargent & Company of Connecticut and a host of others.

## Machine Mortising.

### Elementary reciprocating type mortise.

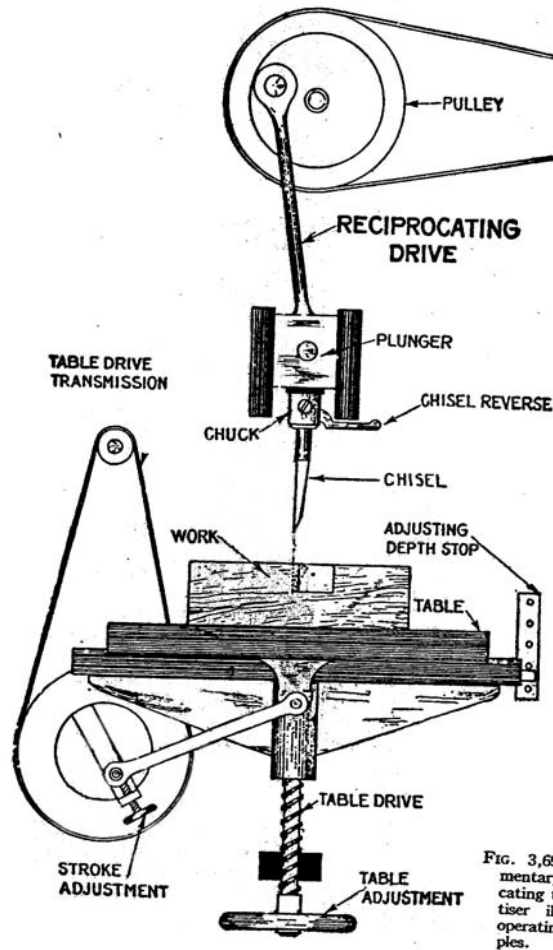


FIG. 3,699. — Elementary reciprocating type mortiser illustrating operating principles.

Audels Carpenter and Builders Guide. Volume 4. New York.1946.

This is the first in a series on machine mortising.

News 71.

Elementary combined reciprocating and oscillating type Mortiser

## **TTTG Publications.**

The TTTG Committee is currently developing a series of publications. Below is a summary of what is available and what is in progress.

### **Carter Plane Leaflet.**

The Reprint of an undated Carter Tools colour Leaflet is now available.

Cost is \$5 each, post extra.

### **John's Page.**

Work is currently in hand on a compilation of articles by John Daniels.

This is now at the layout stage.

The editor believes an A4 format is most suitable.

This will allow quality reproduction of the illustrations.

A title is yet to be decided. Any suggestions?

### **Anthony Horden's Catalogue.**

Work is also currently in hand on a series of Extracts from an early Anthony Hordens' Catalogue.

### **"The Illustrated Guide to Australian Tool Manufacturers"**

"The Illustrated Guide to Australian Tool Manufacturers" will be offered in printed form, probably late in 2003.

Due to the cost of colour illustrations and the anticipated demand the Committee intends to seek a joint publisher.

### **More on Rust Removal.** by Ray Gurney.

The editor is often asked for copies of this article.

Copies are available by request.

A stamped self addressed envelope would be appreciated.

Write to the TTTG postal address.

### **What Else?**

Other publications are planned. Any members who have suitable material should contact the Editor.

Financial TTTG members will receive one copy of each publication free.

Additional copies will be printed for sale to non-members.

TTTG members receive 10% discount on additional copies purchased.

## Information Wanted.

### What is this Plane?

How's life treating you? My brother-in-law has a few tools he wanted to show me and I was wondering if you could tell me anything about the plane (I have not seen it in the flesh).

John Bates



This is a smoothing plane with an inclosed handle and a cast iron sole. It may have been purchased like this or the handle and the sole may have been fitted by the owner. These cast iron soles were available from tool shops, as were the handles.

### Stanley Type Knife.

Black plastic. BROWNE TOOL Co.  
"PRY OPEN" with name on silver stick-on label.  
Inside "Made in Australia". Ph. 607958.

### Stand fast Rotary D-Scaler.

This tool looks like a wheel dresser, appears to be drill press mounted.  
Stamped:

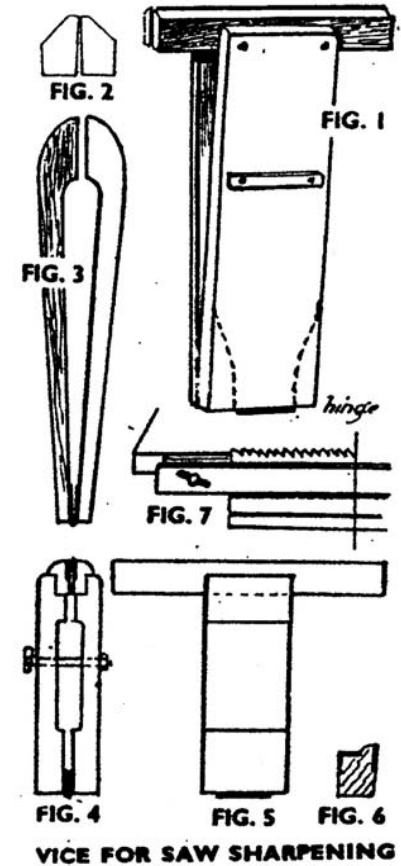
Thomas Buddin.  
61-63 Victoria Avenue.  
Chatswood.  
4071376.  
Stand fast Rotary D-Scaler.

## Home Made Tools. (from "The Woodworker")

### VICE FOR SAW

**E.J.J. (Eastbourne) asks for SHARPENING advice in making a wood Saw vice.**

*Reply*-Pine can be used, but beech, birch, or ash will be worth the extra cost in the long run. In a simple way you might try the arrangement in Fig. 1. It consists of two lengths of 1 1/2 in. board approximately 14 ins. long by 5 to 7 ins. wide, hinged together at bottom ends. The ends can be rectangular here but will be eased in appearance if shaped as dotted line indicates. The chops can be allowed two pieces 10 ins to 12 ins. in length by 2 ins. by 1 1/2 in. The meeting edges of these will be bevelled slightly and also hollowed slightly lengthwise in centre. The top outer edges are bevelled away (Fig. 2) to afford clearance when the file is in use. The shallow curve given to the chops between these ends allows the latter to grip more tightly when placed in the bench vice under compression. Used in this manner a screw will not be required. If the material is available the sides or clamps can be shaped up from thicker timber each in one piece, as Fig. 3. A couple of fillets will serve to retain these clamps in position when between the chops of the bench vice upon which they bed. The type of saw vice illustrated in The Wood worker, April, 1944. is more of the professional kind and a side view of a similar article is given, fig. 4 and 5. The chops can be halved, glued and screwed into position, and are hinged together as before mentioned. This vice is shown with a screw. It is in some cases provided with a leg to extend to ground terminating with a metal nozzle and spike of steel. Travelling saw sharpeners use it. And it is sometimes further equipped with steel stays to fold for portability or open out giving a bearing on the wall by way of resistance to file working. Height with leg would be about 3 ft. 3 ins., the leg itself being similar to that of an iron vice and tapered. The chops can be made up with 1 in. angle iron and a strip of leather on the wood as Fig. 6, to deaden the noise when filing the saw teeth. For emergency purposes where only a table or plain bench with 1 in. top is in use, a clamp that will serve for sharpening purposes of small saws can be made by the use of a length of iron bar fixed to the table edge by a screw and fly nut at each end, Fig. 7.



**VICE FOR SAW SHARPENING**

Australian Made.

Where is Graham now?

The first person to tell TTTG wins one years' membership.



*GRAHAM BUCKETT, 14, of Blakehurst, can't wait till he lays hands on that shiny new plane—the first he's ever possessed. He is selecting from Australian-made planes.*

Information Received.

Carter Planes.

Rod Thomas has emailed a photo of the latest Carter discovery to the editor. It is a bakelite Desk Tidy with **Carter Planes** in bold letters.

Bob,

the Desk Tidy is bakelite and was made by -

DE - LUXE

MEM - O - TRAY

By

PRECISION PLASTICS Pty Ltd

SYDNEY

PAT.REGD.DSGN.No28625.

With your recent reprint, there must be about three Carter leaflets now, and a few newspaper/supplement type adverts to hand.

Rod Thomas.

BK Anvils.

BK was for Bradford Kendall Ltd commonly called Bradken Foundries, it was taken over by Australian National Industries Ltd in about 1982 - the business was absorbed as a division of The ANI Corporation Ltd immediately after acquisition and about 4 or 5 years later I wound the company up. Kerry Packer (for Conspress) took over ANI in May of 1989 and immediately sold off all the operating divisions - including Bradken. The business of Bradken still exists and is in the phone book located at Mayfield West Newcastle.

Fred Murrell.

Ozitool Mail.

How To Join.

Please follow this link and login to mc2:

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**An unusual Double Ender**

When buying "job lots" of tools, one occasionally finds a hidden oddity mixed in with the rest of the gear. Not that I often come across "job lots", however, at times I've been told "if you want that plane, mate, you have to take the lot" or "you collectors want to pick the eyes out of it and leave me stuck with the rest". Whatever the circumstances, I've been known to come home with a boot load of unwanted odds and ends.

On one such event, I was rewarded with an unusual pair of double ended pliers. Double ended tools are quite common, especially in the mechanical repair trades, however, in all my travels I hadn't to date come across a multi-purpose pair of pliers of this design.

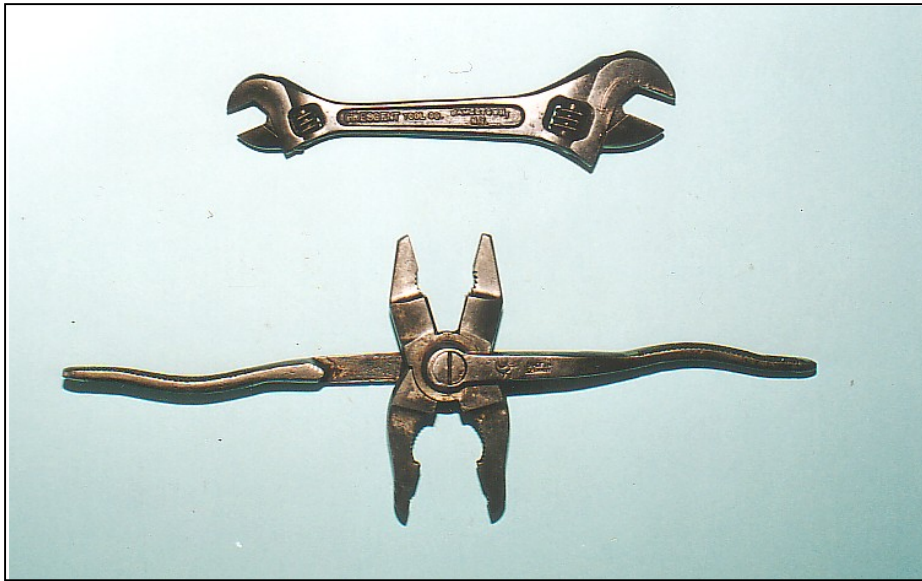


Fig. 1 Shows comparison between a 6" Crescent Tool Co double ended shifter & the double ended pliers.

The pliers were of German manufacture and have a rooster trademark struck on one of the handles. All parts are secured by a centre pivot pin. The jaws are independent to the handles and have to be opened manually. The handles can be rotated to either end of the jaws. To close the pliers, the handles are rotated to the end away from the work. A shoulder on the handles catches on the end of the jaws applying pressure.

# THERE ARE SOFT SPOTS IN THE HARDWARE BOOK OF FUN

By **NORMAN STRACHAN**

**Just in case you think hardware is a dull and humorless subject, featuring nought but pots, pans and patching plaster, you can think again.**

I'll have you know there's passion in them pans.

I didn't realise this myself till I browsed through the Australian Hardware Yearbook—a fascinating piece of fun if ever there was one.

This neglected comic takes you 'way up into a fantasy world of hardwareisms that would gladden the cockles of Lewis Carroll's heart.

It's a Disney-like world, where pot mits joust with plumb bobs, tin snips sport with bib cocks—where the girls wear flat-ters, not falsies.

When the men want a spokeshave they go to it with a safety slasher—and then off to breakfast at the spud bar.

For lunch they eat lamb clamps, unable to afford the more expensive smoked hames.

But for one or two countersink bits they can buy delicious Scotch tees.

They're heavy smokers and have all the usual pipe vices.

But, let me warn you, a streak of horsy violence runs through this joint.

You're as likely as not to see one bloke sock another in the eyelets with a spalling hammer.

When this happens most of the popsies do a panic

bolt and gather for a giggle in the pinch bar.

Meanwhile, with a cry of "Downpipes and at 'em!" in rush the cored solders of the Hardware Light Horse to break up the scrap.

A tasty young tension wrench screams to her boyfriend: "Oooh, look out, your ratchet braces have slipped off your saw bags!"

"Keep out, you broad!" shouts back the frenzied reamer, copping her one that rips the turnbuttons off her vent stays.

Chaos reigns supreme as she adjusts her calf dehorners.

Into the maul ring surges a mob of seamers, scribes, and even fire dogs, who lay about them with shovel dees, scratch awls, horse tooth rasps — anything nasty the bodgies can find.

In the end most of the nuts manage to bolt, though the ringleader is caught and given six of the best with a bossing stick before being put in caulking irons. . . .

But all this gives me the hobbles.

If I hadn't got these confounded joiners' cramps, I'd go dance a dowelling jig.

For two cotter pins I would.

## Staging Tools.

14. **Tools Used in Scaffolding**-A scaffolder's hammer, or hatchet, is shown in Fig. 7(a). The head has an axe *a* with which the workman is able to shape wedges or do any other necessary work of cutting. The other part *b* of the head is adapted for driving nails and for fixing the members of the scaffold in position. The handle *c* is, as already briefly mentioned, used as a lever for tightening up the cords when two members are being lashed together. A scaffold wedge is semicircular in cross-section, as shown in Fig. 7(b). Such wedges are from 9 to 12 inches long and are roughly shaped from some wood, such as oak, which will not be easily dented when subjected to a heavy pressure

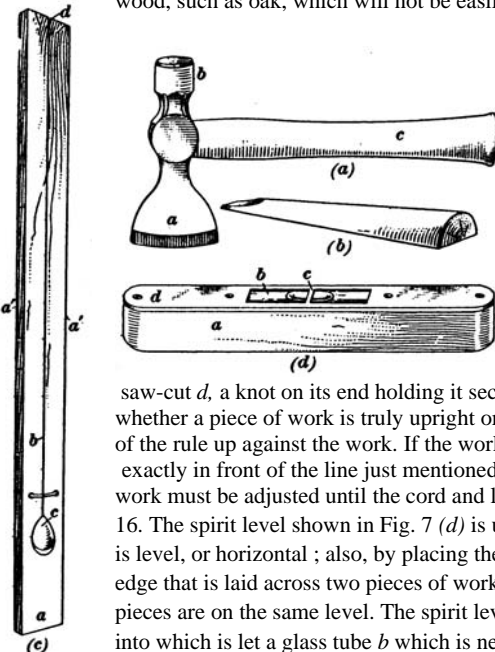


FIG. 7

across its fibres.

15. The plumb-rule, shown in Fig. 7 (c), consists of a narrow piece of board *a*, from the top of which is hung a cord *b* having a plumb-bob *c* attached to its lower end. The length of the board varies according to the work it is intended for, ranging from 4 to 6 feet; the thickness from  $\frac{1}{2}$  to  $\frac{3}{4}$  inch, and width from 3 to 4 inches. The two edges *a'* of the board must be parallel to each other, and a line is marked lengthwise on the board mid-way between the edges.

The cord is passed through a small saw-cut *d*, a knot on its end holding it securely. The plumb-rule is used for testing whether a piece of work is truly upright or vertical, which is done by holding one edge of the rule up against the work. If the work is vertical, the cord *b* will hang exactly in front of the line just mentioned. If the cord falls to one side of this line, the work must be adjusted until the cord and line coincide.

16. The spirit level shown in Fig. 7 (d) is used to test whether a piece of work is level, or horizontal; also, by placing the level on the top of a parallel straight edge that is laid across two pieces of work, it may be ascertained whether the pieces are on the same level. The spirit level consists of a hardwood block *a* into which is let a glass tube *b* which is nearly filled with spirits. In this tube is left sufficient air to form a small bubble, which, being lighter than the liquid, will rise to the highest end of the tube when the latter is tilted up. If the tube is level, the bubble will become stationary at the centre of the length; this centre is indicated by the narrow bar *c*. This bar is part of the metal covering plate *d* which prevents the tube *b* from falling out. In the illustration the bubble is shown as it would appear in relation to the bar *c*, if the level were held horizontally.

17. A chalk line is used for marking long straight lines and consists simply of a reel of hardwood round which is wound a long piece of cord. In using the line, the cord is unwound to the desired length and a piece of chalk rubbed along it; it is then stretched between the two points, from one to the other of which it is desired to draw the line. Having stretched the cord in the desired position, it is raised and allowed to spring back on to the face of the work, when a perfectly straight white line will be made. Care should be observed to lift the cord vertically, so that the line made is quite straight; the cord may be raised at a point from 2 to 3 feet from one end. The three tools described in this and the last two articles are used not only in the erection of stagings, but are continually being brought into use in all branches of carpentry.

I.C.S. Reference Library. London. undated

The tool seems a little awkward to use, however, it does offer a choice of grips and works well once located. No doubt some inventor was sick of carrying around several pairs of pliers and came up with an idea to lighten his load.

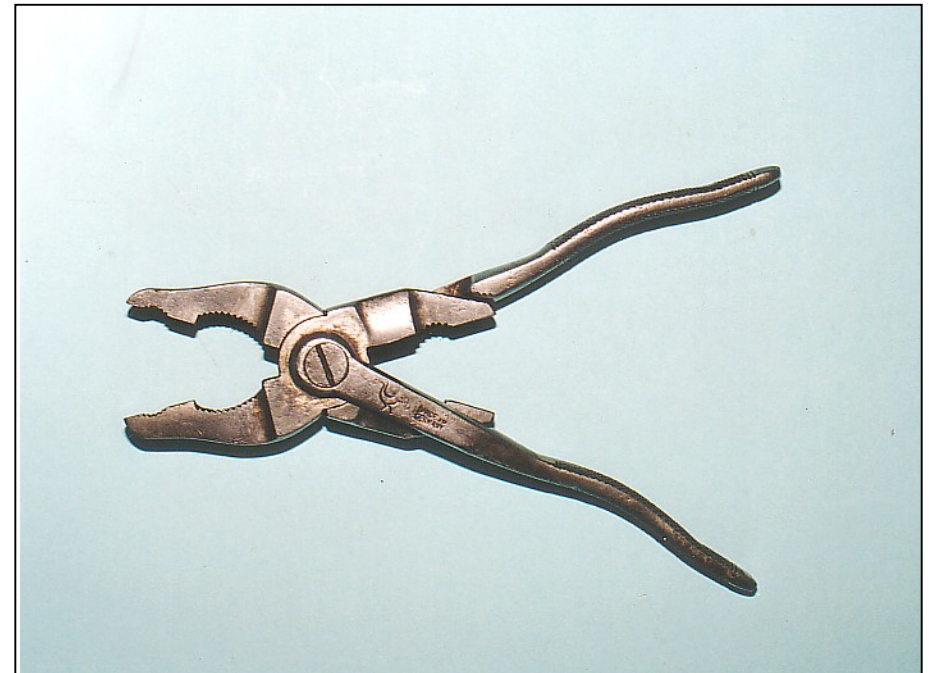


Fig. 2 Shows the jaws set and the handles positioned ready for use.

To conclude, if you are offered a "job lot" and the price is right, take it, for you never know what bonus lies at the bottom of that tool box. Unwanted odds and ends can always be donated to the TTTG after-meeting auctions. There is always spirited bidding and seldom is anything passed in.

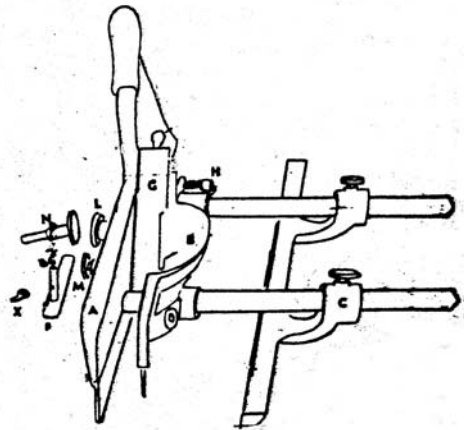
## Carter 54.

### Plow and Groove Plane.

Trevor Semmens Australian Woodworking Planemakers, Second Edition lists five variations of the Carter 54 Plow and Groove plane. The C54 is perhaps the most interesting of the Carter planes. Product development is apparent from the rough casting (taken off a Stanley 54?) and blue paint finish of the Type 1 C54 to the nickel-plated well finished Type 5 C54.

The fact that such a special plane shows so much product development indicates that Carter planes were made and sold in large numbers. Given the needs of tradesmen and amateurs in the 1940s and 1950s copying the Stanley C54 was probably a good marketing decision. The C54 does all the common tasks of a wooden plough or a 50 but was cheaper to make. Carter also made the smaller and cheaper C40, which must also have sold well. The C54 was not competing with the Stanley 54 but with the Stanley 50 and the Record 050 and 043 and 044. The early type C54s could do everything a metal plough could do. The type 5 C54 could also do cross grooving (trenching) and was a viable, but cheaper and readily available alternative to the Stanley 50 or Record 050. What ever we can say about the faults of Carter Planes there can be no doubt that the Carter Brothers were quick to produce products that were in strong demand.

### **CARTER C54 PLOW and GROOVER**



The Reprint of an undated Carter Tools colour Leaflet is now available.

Cost is \$5 each, post extra.

## RMG Drills

The editor asked Rod Thomas is he had any information on RMG Drills, (R.M.Gibson Pty Ltd. 200 Queen St. Melbourne.) They made High Speed Steel Spiral Drills, "The Woodworkers Friend Patent Non Slip Shank".

Rod replied "Not a lot - The attached advert is from How to Build and Equip the Home Workshop - No1 of Carpentry For All by Alex Smith, undated but would be c1950. The Trade Mark application suggests the mark came into effect mid 40s and was no longer in use by the late 50s. It would appear that R.M.Gibson Pty Ltd were tool distributors, so I imagine would have had the drills made for them."

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Retains keen cutting edge.

For use in  
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Post boring machines

Made in jobbers & 8" lengths  
standard workshop sizes  
including  $\frac{1}{4}$ ,  $\frac{5}{16}$ ,  $\frac{3}{8}$ ,  $\frac{7}{16}$ ,  $\frac{1}{2}$ ,  
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