

T T T G



Fig. 1. Method of Fixing the Nelson Stud.

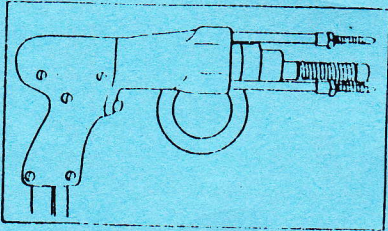


Fig. 2. The Electric Stud Fixing Gun.

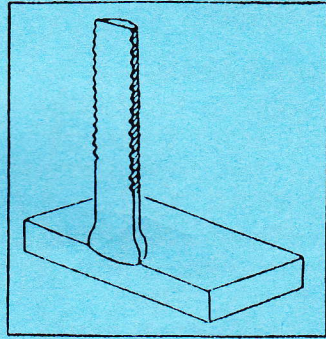


Fig. 3. Sectional View of Welded Stud.

Newsletter 42.

August 1998.

The Traditional Tools Group Inc.

TTTG Inc.

THE TRADITIONAL TOOLS GROUP (Inc.)

**TTTG NEWSLETTER NO. 42.
AUGUST 1998.**

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1999-1999 Subscriptions are due.	

**Cover: The Nelson Stud Fixing Gun.
Mechanics, March 2 1945.**

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Opinions expressed are those of the contributor.

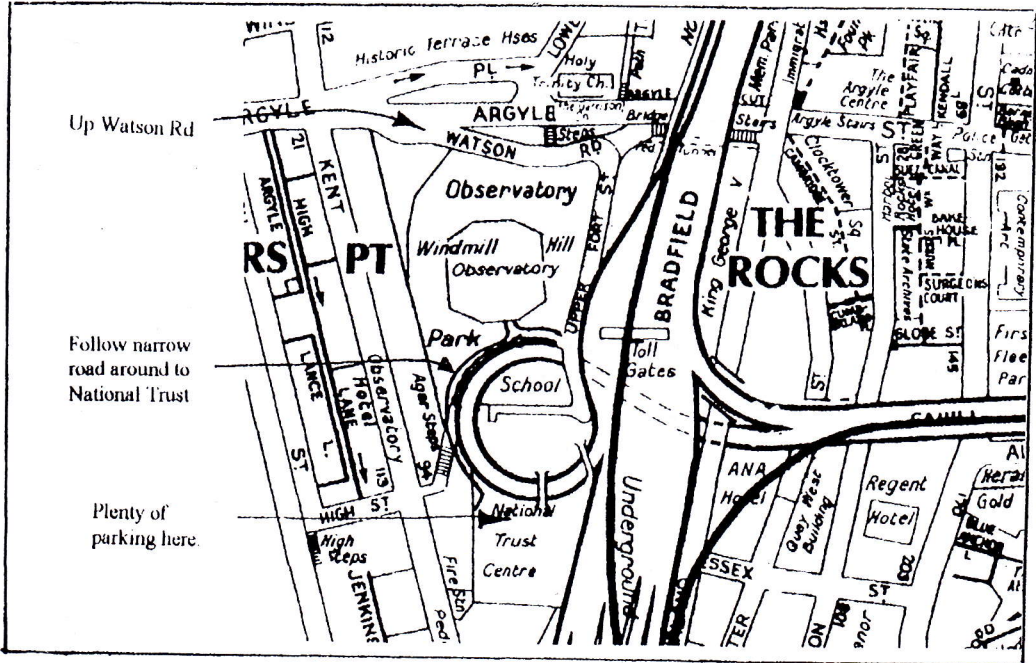
Postal Address

The Traditional Tools Group Inc. (TTTG).
P. O. Box 240
Grosvenor Place
Sydney N. S. W. 1220

NEXT MEETING

Tuesday August 11.

National Trust Centre
Observatory Hill
Commencing at 7.00 PM.



PROGRAMME

1. ANNUAL GENERAL MEETING.
 2. WHAT IS HAPPENING TO EVERLEIGH? WE ALL KNOW ABOUT THE AUSTRALIAN TECHNOLOGY PARK BUT WHAT IS THE PLAN FOR ALL THOSE MACHINES AND RAILWAY HISTORY?
DAVID McBEATH, ARCHITECTURAL CONSERVATOR AND MARINE ENGINEER WILL GIVE US THE REAL STORY! DON'T MISS THIS MEETING ALL YOU RAILWAY ENTHUSIASTS!
 3. FRED MURRELL'S WOTSIT SESSION.
 4. BROWSE THROUGH THE TTTG LIBRARY WITH OUR LIBRARIAN RICK MITCHELL.
5. SUPPER BY MARIO DATO.

Editor's Notes.
Crosbie.

Bob

The new newsletter format has been well received.

Several members have offered to write articles for the new look newsletter. The editor welcomes any submissions.

In this issue are several articles of practical value.

You can spend a fortune on sharpening systems but you can get equal results with an aluminium oxide oilstone. Every thing you need to know is in **Artificial Oilstones.**

Do you use files ? Consider trying to sharpen blunt files. The information you need is in **Sharpening Files.**

Fed up with white vinegar but still need to remove rust ? Read Ray Gurney's **More on Rust Removal** for a better approach.

I am sure most members are interested in Australian made tools. TTTG is starting a project to assist in researching these products. See **CARTER Tools** for details.

In **Collector's Page** you will find some 'good idea' gadgets that never caught on as well as one electric tool which had a big impact.

COPIES OF TREVOR SEMMENS'

AUSTRALIAN PLANEMAKERS. Second edition.

Will be available priced at \$14 each.

This special discount price is for TTTG members.

Letters to The Editor.

The editor has received a letter from Terry Butcher, our Tasmanian correspondent. Terry's house is almost finished and he is busy fitting out his workshop and library.

In order to speed up his labours Terry has invested in a power saw and electric planer. The editor endorses his choice of product but can not include free advertisements for multi national companies!
Dear Editor.

"The newsletter arrived today- all decked out in its new livery, new format. Very good, we should have adopted this form years ago. It just needs a few more articles from the general membership.

I'd like to hear about private collections, latest acquisitions, experiences pertinent a particular trade. Come on fellas lets hear from you.

I for instance have a terrible confession to make. I've fallen in love with aCompound Mitre Saw."

(The material following is available to bona fide members on request.)

"Congratulations TTTG on this the Tenth Anniversary. I'm having a small one now at the bottom of Tassie while you guys are getting together at the National Trust."

....."I like the idea of the Plane Restoration classes a mite expensive but a good idea."

Editors' comment.

Thanks for the positive fed back Terry. As to the classes we could reduce the cost. I am waiting for some indication of interest from members.

Anniversary? The first TTTG meeting was in November 1991. We will celebrate ten years in 2001! Maybe a small celebration for # 50.

Collector's Page.

Some ideas make the grade some do not. Innovations like the Nelson Stud Gun, see front cover, generate design refinements.

The Portable Electric Plane has been a real timesaver. True it is probably responsible for most badly fitted doors but it is an asset to a competent user.

The original Electric Plane is shown below. Years of practice with wood planes would have been essential to successful use of this model.

It came with two switches and a cast iron bed. Optional extras included a slitting cutter (up to 3/4") and a block for moulding cutters.

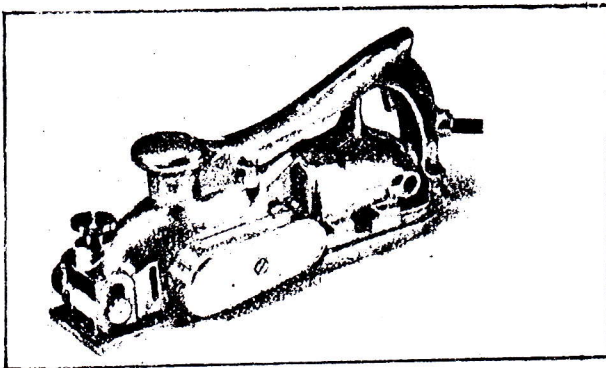
Does anyone have on of these ? If so The Editor will volunteer to use it at a TTTG General Meeting !

For details of this plane see Mechanics August 22 1947.

What about the "good idea" gadget that never seems to catch on. There must be millions of these.

Dowelling and morticing aids are known in great number. The one below was reviewed in Mechanics in 1946.

Sleeves were available to drill a range of dowel holes and it was claimed that mortices could be cut by overlapping the holes. As it was used with a brace the reason for the devices' failure may not be elusive.



More on Rust Removal.

Ray Gurney

Once I left a sweet but rusty little heel spokeshave in the linseed modified acetic acid mix just a tad too long, about two weeks too long.

Well, it was pretty murky down there and I'd thought that I had removed all the assorted bits and pieces and, well, it's pretty disgusting stuff to dip your pinkies in and the rubber gloves were at least 4 feet away and, you know how it is...

The short story is just that, it was very short when I found it, looking as if it had been dug out of a midden dating from the viking era and yet worth tiddlyquat!

There is another way! I'd heard about it on the net and decided to look further.

Found about four recipes and they all go like this:

Take one plastic bucket, one tablespoon (or so) of washing soda, water, piece of stainless steel and attached wire, battery charger 12v 10 amp, degreased and lightly descaled RUSTY OBJECT.

That's all. Next water and soda in bucket, negative lead with bulldog clip to object (**Always**), positive lead to stainless steel plate, immersed at side of bucket, go.

Warning! water and electricity do funny things so take care that all adjustments are done with power off and charger unplugged. The small amount of gas given off is Hydrogen.....do not enclose the bucket and smoke at the same time, cover all leads and make sure the plate and object do not touch under water.

Comments: should start drawing one amp or so and as the water heats up it will increase to about 4.5 amps in two hours or so and you can remove the object and lightly scour with a green pad, give it more if necessary and regulate current by exposing more or less stainless steel in the electrolyte.

This process does not dissolve or etch the unruled ferrous metal.

The science of it all and a bit more info in the next newsletter.

I will give a demo at the next meeting.

CARTER Tools.

Most TTTG members will be familiar with CARTER tools. The Carter Foundry in Parramatta produced an extensive range of products from the 1940s to the 1960s.

Recently HTPAA (The Hand Tool Preservation Association of Australia) has published material on CARTER. HTPAA has made available a copy of a CARTER catalogue.

A number of HTPAA members are actively researching CARTER tools. The TTTG Editor has been corresponding with Rod Thomas, HTPAA and TTTG member, regarding Australian manufacturers.

It has become obvious that Carter produced tools that are not included in the known CARTER catalogue.

For example the editor has found a large machinist's vice by Carter. This sadly mutilated specimen will be passed into the care of Mr Thomas, when the Editor finds the energy to carry it to Australia Post.

TTTG is assisting HTPAA in the effort to record all known products by Carter. If you have any Carter tools you can help the project by recording the details and sending them to the TTTG Editor. Mark the envelope ATTENTION CARTER PROJECT.

For consistency please follow this format.

CARTER TOOL :

Number or mark:

Size: Length Width Thickness

If possible please include a photograph

Artificial Oilstones.

In the early years of this century natural sharpening stones were usurped by man made abrasives. Two types of abrasives were developed, the carborundum and the aluminium oxide.

Both types found favour in different trades. Among woodworkers the Aluminium oxide stones marketed as "India" stones were readily accepted as superior to most natural stones.

Locally Australian Abrasives made a range of excellent aluminium oxide stones. The fine grade gives an edge equal to a Washita stone. The medium grade gives a rapid edge.

Second hand aluminium oxide stones are readily available. Often they are in very poor condition but they can easily be reconditioned.

Oilstones deteriorate in two ways, by glazing or by uneven wear. Wear can be caused by poor sharpening technique while glazing can be caused by using insufficient or incorrect lubricant.

All the text books recommend Neatsfoot Oil as an oilstone lubricant. Unfortunately the original texts, from which all subsequent texts were probably copied, are referring to natural stones.

Neatsfoot Oil will quickly clog or glaze an aluminium oxide stone. Kerosene, either straight or mixed with light machine oil is the correct lubricant for artificial stones.

Britain's Best

ALL GENUINE
CARBORUNDUM
BRAND
SHARPENING
STONES
BEAR THE
INDIAN HEAD
TRADE MARK

Sharpening Stone

CARBORUNDUM
MANCHESTER

THE
CARBORUNDUM CO. LTD.
TRAFFORD PARK
MANCHESTER.

Artificial Oilstones (continued)

Reconditioning Artificial Oilstones.

Reconditioning Aluminium oxide oilstones is a simple matter. The first step is to remove any Neatsfoot Oil.

This can be done by soaking the oilstone in a solvent, such as lacquer thinners. For a badly clogged stone this may take several weeks. Alternatively the oil can be burnt out in a fire grate.

After removing the solidified Neatsfoot Oil soak the oil stone in kerosene until the stone is saturated with the liquid.

The next step is to flatten the stone.

The text books recommend sand and a paving stone. This is fine for a soft natural stone but sand will not cut aluminium oxide stones.

Instead use a piece of plate glass and carborundum powder as a lapping surface. Moisten the abrasive with kerosene. The cutting action is rapid. The grade of abrasive is not important. Alternatively use Lapping paste.

If you have a diamond sharpening stone this will flatten any oilstone quickly. Use kerosene or WD 40 as a lubricant.

Carborundum stones can be reconditioned in the same manner. Some types were pre soaked in petroleum jelly.

To prevent glazing or uneven wear abrade the surface of the stone regularly and never use Neatsfoot oil!

SHARPENING FILES.

Can files be resharpened is a perennial question. The answer is a cautious yes. The file's condition file is crucial. If a file is blunt from

normal use and not heavily corroded it can be resharpened.

Sandblasting is the traditional commercial means of sharpening files. Before World War II it was possible to send blunt files back to the maker for resharpening by sandblasting.

Workshop means of resharpening files involve the use of acid to etch or recut the teeth. Formulas and methods are common in older publications.

During World War II the British Air Ministry investigated two chemical methods of sharpening files.

Both methods were found to give superior results to those achieved by softening, recutting and rehardening files. It was also concluded that chemical resharpening could be repeated several times. (Mechanics April 30, 1943).

Both the Zoppi and Ullmann Chemical methods were tested as well as mechanical recutting, but curiously not sand blasting.

SHARPENING FILES (Continued)

German Zoppi Method.

“The files are first decreased in an alkaline bath and then freed from rust by immersion in a 50% HCL bath for 12 hours at room temperature. A mechanical treatment with rotating brushes is interposed at various stages of the treatment. The sharpening process proper is carried out in a 16% HNO₂ bath and lasts 10-20 minutes. The files are then washed and provided with a protection against corrosion.”

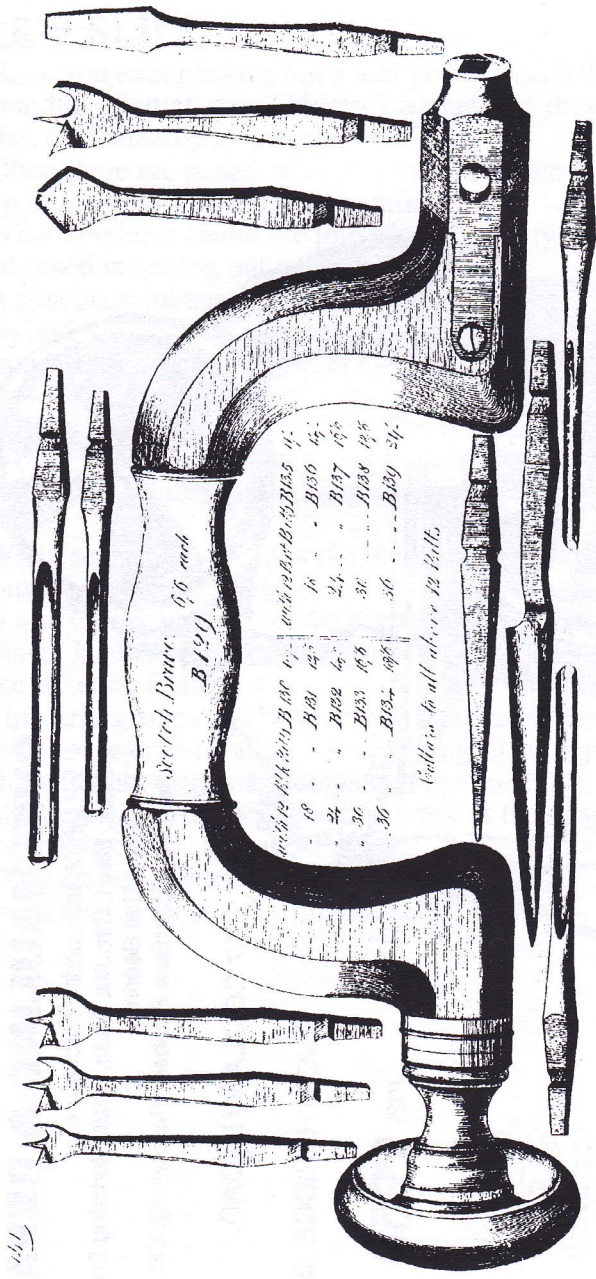
German Ullman Method.

“.....After decreasing, derusting and brushing as in the Zoppi process, the files are immersed in a bath of the following composition by weight:

Copper sulphate		11.2
Concentrated H ₂ SO ₄ (free from Arsenic)	27.5	
Nitric acid		36.3
Potassium dichromate	9.0	
Water		500.0

The time of immersion is about 8-10 minutes. The file is then rinsed and any remaining acid neutralised.

By choosing the angle of immersion correctly, it is claimed that the clearance flank of the tooth is covered with a protective deposit, the chemical etching effect then being concentrated on the steeper cutting edge.”



Scotch Bone. 96 each
B 190

widths B1300 B 130	17	widths B1305 1305	17
18	B 131 131	18	B 136 136
24	B 132 132	24	B 137 137
30	B 133 133	30	B 138 138
36	B 134 134	36	B 139 139

Return to all above 12 Balls

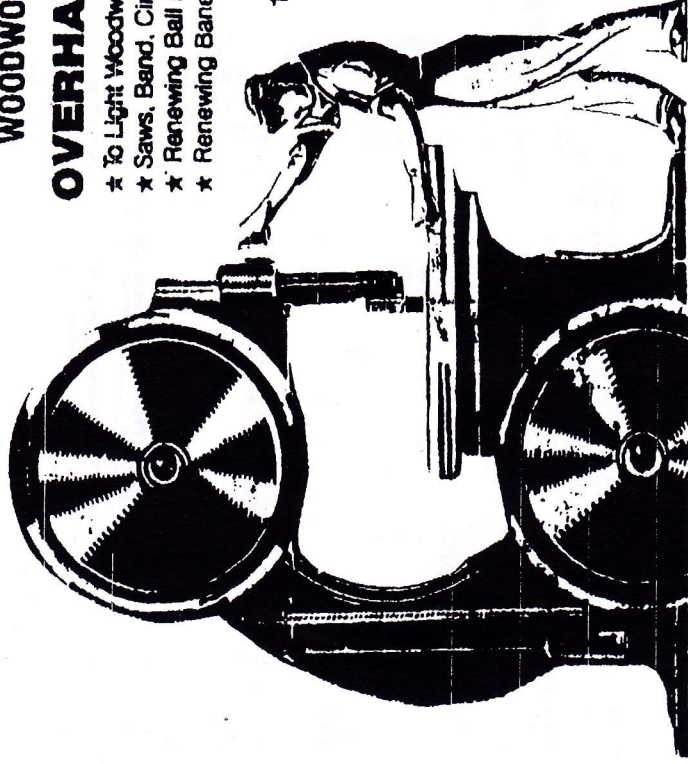
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JOINER'S SLIPS.

Have you ever cleaned out a tool box or bench drawer and found a handful of small wood blocks ? Sometimes these are pieces of pine, cedar, oak, mahogany or even beech.

Often there are pencil lines or numbers drawn on the sticks. Are they scrap or were they used for something ?

What you have found are joiner's slips. They are tradesman made tools used in setting out joinery.

A first class joiner may have made a neat set out of beech or mahogany and may even have stamped sizes on each slip. More often they are made as needed out of what ever is at hand.

How are they used?

Slips have several applications. The first use is in lining out the rod used to set out the work piece. Slips are invaluable in drawing in groove and rebate sections, moulding sticking and haunch and franking depths.

When setting out the material the slip is used to set out the dimensions from the rod. Some examples should make this clear.

A slip can be used to set the depth stop on a plough or sash fillister plane. Haunches on tenons can be quickly cut in with the striking knife using a slip.

Similarly gauges can be set to the moulding "stick on" and "stick down" sizes when setting out mouldings. This is particularly useful when making large mouldings by hand methods.

Slips are also useful in machine work as they can be used to set up cutters or fences.

Slips are usually found with the gauges and sash templates in the box or drawer. Perhaps you should keep them ?

TTTG NEWS.

The Hand Tool Preservation Association of Australia (HTPAA) has acknowledged receipt of TTTG newsletter # 41.

It now emerges that the HTPAA Library has not received copies of issues 1-40 even though they were on the TTTG mailing list.

The Committee is concerned that HTPAA members, who are not members of TTTG, are being seriously disadvantaged by not having access to back copies of our newsletter.

To redress this situation the TTTG Secretary will send a full set of TTTG newsletters to the HTPAA Librarian.

A set of TTTG newsletters has already been forward to TATHS in the United Kingdom.

The Committee will also attempt to secure a set of HTPAA newsletters for the TTTG Library.

Members are encouraged to participate in the CARTER project.

Closer cooperation between TTTG and HTPAA is in the interests of both groups.

Henry Blacks' 1998 Tool Sale.



SYDNEY

SUNDAY 30th AUGUST

**HUNTERS HILL
HIGH SCHOOL**

Rieby Rd Hunters Hill

ENTRY \$5

DOORS OPEN 9.00am-2pm

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TOOL
SALE
1998**

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quality woodworking
handtools offered in a
market atmosphere.

Browse, buy, sell, swap.

DOOR PRIZE

Seller's Enquiries 9744 7875

TTTG Library News.

Donations:

Rod Thomas has donated the following photocopies of *TURNER* publications.

- Information Leaflets *TURNER* Hand Tools Australia.
TURNER "Hand Tools."
TURNER "Bench Planes."
TURNER "Using Planes."
TURNER TOOLS, (Hacksaws and Screwdrivers).
TURNER "Breechlok" (screw holding screwdriver).
TURNER "Levels". 2 pages.
(Craftsman, Utility, Torpedo). (Extruded).
- Advertisement Washer Spin Dryer (*TURNER* Sapphire),
(Cabinet Hardware, Screw driver).
Daily Telegraph, Hardware Supplement, 25 Jan. 1956.
- Advertisement *TURNER* ATKINS
The Weekly Times Melbourne 1964.
- Advertisement *TURNER* Hole saw attachment.
Australian Handyman 5, Vol. 1. 1972.
- Advertisement *TURNER* Bench Planes
John Danks & Son Pty Ltd. undated.
- Retail Price List. *TURNER* 20 April 1966. 14 pages.
- Extracts Undated Catalogue. *TURNER*.
(Carpenters' Planes, with Section drawing Spare Parts
bench and block plane, Trimming Knives, Hammers).
- Photograph. Turner Lilydale Plant August 1961.

Book Review.

Tools of Trade Book List June 1998.

Copies of Tools of Trade latest Booklist are now available. To obtain a copy write to
Tools of Trade P.O. Box 13 Duffy A.C.T. 2611
or phone John & Priscella McDonald 02 62886142.

The editor is reviewing this book list as every TTTG member should be aware of the range of books sold by the McDonalds.

Tools of Trade attempts to stock every relevant book currently in print. If the book you are after is not on the list they will attempt to obtain it for you. The convenience of a specialised mail order service outweighs any additional cost due to postage.

As well as books Tools of Trade carry an extensive range of reprint publications. These include classic technical titles such as Moxon and Holtzapffel, as well as reprints of Tool catalogues.

The reprinted catalogues include Norris, Spiers, Stanley, Disston and many less well known tool makers.

Attention is drawn to the reprint material published by Tools of Trade. These are photocopies of tool catalogues from John McDonald's collection. Included are a number of instruction leaflets for Record and Stanley planes.

The book list includes a useful Directory. This is a good guide to interest groups and to tool sales. Tools of Trade offer a discount to TTTG members.

Research Notes.

Rod Thomas.

Rod is interested in Australian Manufacturers.

TTTG is helping Rod gather material on CARTER Tools.

If you have any material on any local manufacturer you should consider making your knowledge available to others.

Copies of old catalogues, advertisements or leaflets are sought. Please send a photocopy to the TTTG Editor. Alternatively the editor can photocopy the material for you at no cost.

Publications such as the Hardware Journal are an invaluable source of information.

See CARTER Tools.

John McDonald.

John is interested in the tool manufacturer Alex. Mathieson.

He is seeking anything relating to Mathieson. This can be printed material or your memory of the firm.

John is interesting in purchasing Mathieson items. This includes every thing from tools to labels. But remember he has a large Mathieson collection so expect him to be a discerning buyer.

See Tools of Trade advertisement.

Directory.

The Traditional Tools Group Inc. TTTG
P.O. Box 240 Grosvenor Place
Sydney N.S.W. 1220

Tools and Trades History Society. (TATHS.)
The Administrator TATHS
60 Swanley Lane,
Swanley, Kent, BR8 7JG United Kingdom.

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 6053

CLASSIFIED ADVERTISEMENTS.

WANTED.

Any unusual tools or ephemera relating to
Alex. Mathieson and Sons of Glasgow and 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;
George Ellis
"Modern Practical Joinery"
June 1902
Woodworker Annuals.
Condition and price to the editor TTTG.
(or phone 0298697487)

Advertisement Request.

Newsletter Sub-Committee
TTTG Inc. P.O. Box 240
Grosvenor Place, Sydney N.S.W. 1220

Name;

Address:

Suburb/City:

Country/Postcode:

Phone/Fax

Tick type of Advertisement For Sale Wanted

Please place the following in the TTTG newsletter;

(Print advertisement below)

RATES:

Commercial advertisements;

50c per line,

Quarter page \$10, Half page \$15, Full page \$20

First advertisement is free.

(Non-commercial advertisements free.)

Terms:

book three placements to receive first placement free.

Layout and artwork to be supplied by advertiser.

Advertisers will be invoiced after first placement.

Signature:

date:

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HIGH SCHOOL**

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TOOL
SALE
1998**

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quality woodworking
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