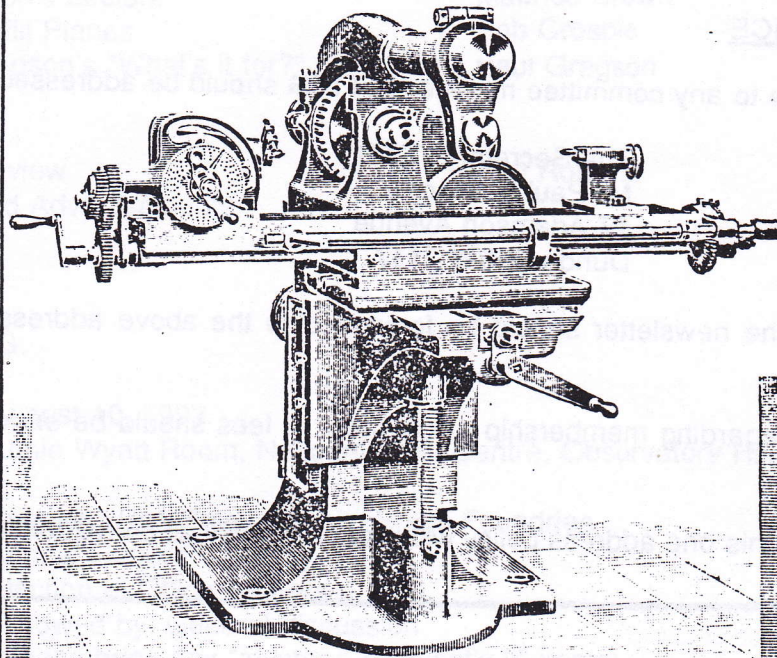




THE TRADE TOOLS GROUP
TTTG NEWSLETTER NO.12
AUGUST 1993

SPIRAL MILLING
BY
No. 13 UNIVERSAL MACHINE.



The illustration shows our No. 13 Milling Machine, but fitted with the spiral attachment constructed for grooving twist drills, cutting spiral gearing, cutters, &c.

The appliance is arranged to fit on the longitudinal slide of the machine, the headstock having a steel mandril with carrier for driving the work, and to be used either in a horizontal position or vertical, or at any angle between, and geared up by mitre gears and change wheels to revolve at any required pitch of spiral, from 1 inch to 40 inches, and is further fitted with worm-wheel and worm, which, in conjunction with the division plate and index and sextant fitted to the worm shaft, will divide drills, gear wheels, &c., up to 360 divisions.

The spiral movement can be given to the mandril at any angle.

The price includes eight change wheels and necessary keys, spanners, &c.

	£	s.	d.
Price of Spiral Appliance for No. 13 Milling Machine	22	0	0
.. of No. 13 Milling Machine with Spiral Appliance, Top Driving Appliance, Screw Keys, Spanners, &c. (complete)	99	10	0
.. of Parallel Vice with Swivelling Bottom, and very strong pattern	5	10	0

BRITANNIA CO., COLCHESTER, England.

London Showrooms—100, Houndsditch. All Letters to Colchester.

'The History of Tools is the History of Man'

THE TRADE TOOLS GROUP

GREGORYS PAGE 6

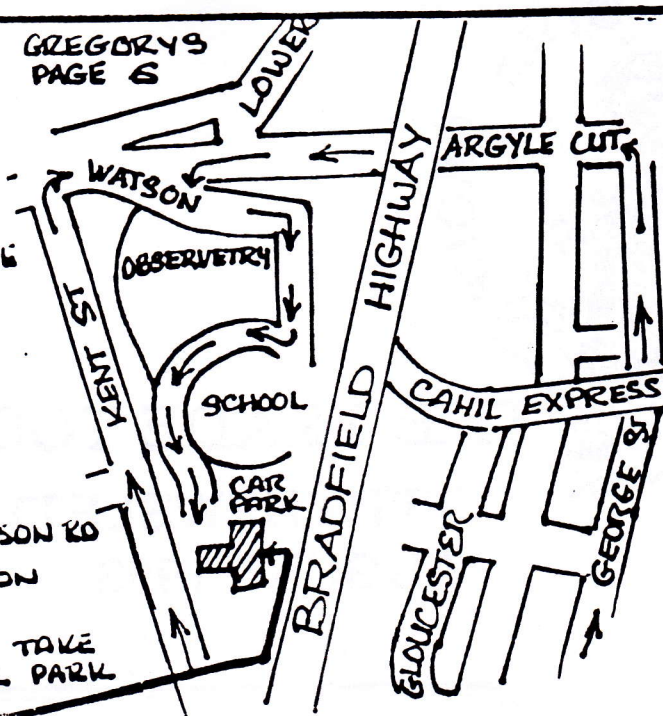
MEETINGS:

THE ANNIE WYATT ROOM
NATIONAL TRUST CENTRE
OBSERVATORY HILL

TIME:

COMMITTEE 7.00
GENERAL 7.30

DRIVE OR WALK UP WATSON RD
PASS THE OBSERVATORY ON
YOUR RIGHT
FIRST RIGHT ROAD WILL TAKE
YOU UP TO A FREE CAR PARK
FRONT ENTRANCE



DRIVE UP EITHER KENT ST OR GEORGE ST

CORRESPONDENCE

All correspondence to any committee member of TTTG should be addressed to:-

The Secretary TTTG
Mr Paul Gregson
17 Adamson Avenue
Dundas NSW 2117

Contributions for the newsletter should be forwarded to the above address and endorsed "Attention Editor".

Correspondence regarding membership or payment of fees should be endorsed "Attention Treasurer".

Co-operation with this one address policy will greatly simplify all correspondence.

19TH CENTURY SCIENTIFIC INSTRUMENT LECTURE

On August 31, at 7 for 7.30 p.m., there will be a lecture and tour of the Macleay Museum at Sydney University.

Julian Holland, Curator of Scientific Instruments, will present a lecture, slides and discussion on 19th c. scientific instrument makers and retailers in NSW, followed by a guided tour of the museum and supper.

The museum is in Gosper Lane, off Science Road, near the Footbridge Theatre. It is suggested you park in Arundel Street.

Cost will be \$5. Please bring along any 19th c. Australian measuring instruments or meters for discussion.

TTTG Inc.
THE TRADE TOOLS GROUP

TTTG NEWSLETTER NO.12
AUGUST 1993

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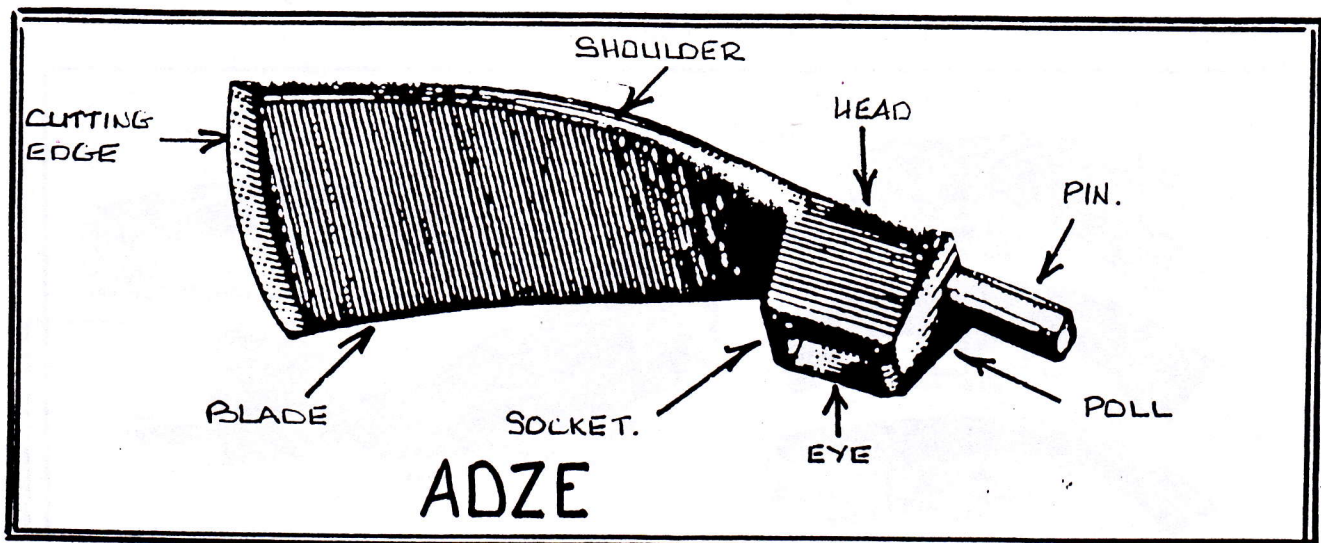
ARTICLES

Reg Eaton's Lecture	Maurice Brown
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Classified Advertisements	

NEXT MEETING:

August 10, 1993
Annie Wyatt Room, National Trust Centre, Observatory Hill

Speaker: Ron Briley - Topic: Brass Foundries
Annual General Meeting
Election of Office Bearers
Followed by: General discussion
(please bring any "mystery" or "what's it" items)
Supper. \$2 donation



THE TRADE TOOLS GROUP INC.

ANNUAL GENERAL MEETING 10.8.93

VOTING PROCEDURE:

All existing office bearers and members presently on the full committee will stand down and all positions will become vacant. The Public Officer will take over and call for nominations for President, who when elected will then call for and oversee the remainder of the election. No provision has been made for postal voting.

The following comprises the existing committee and each person's function within the group:

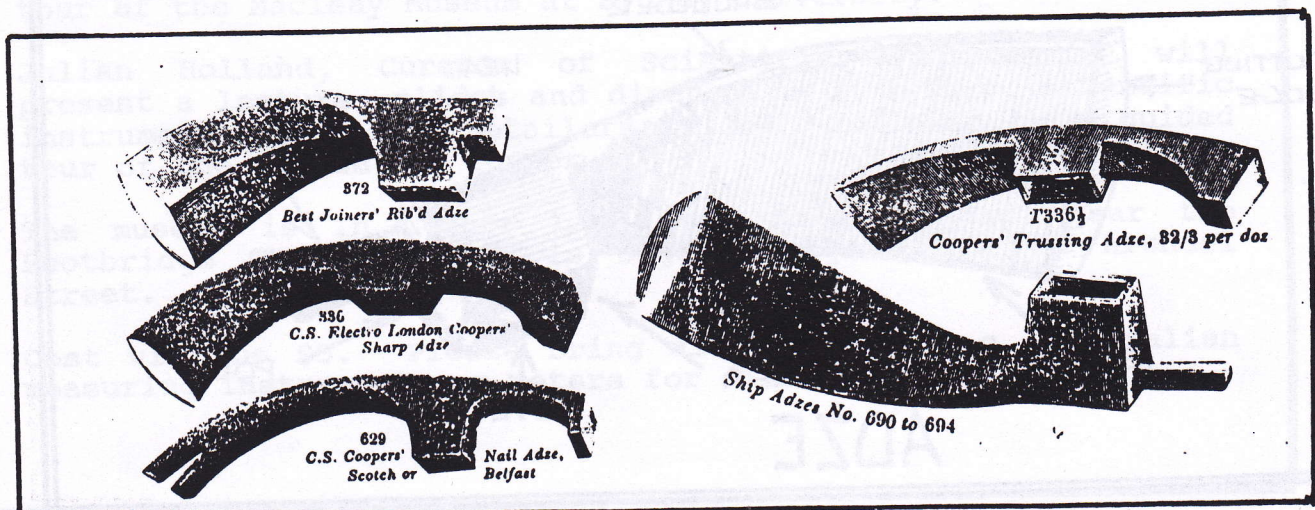
President	Terry Butcher
Secretary	Paul Gregson
Treasurer	Ray Gurney
Editor	Bob Crosbie

Nine members presently on a sub-committee or have a nominated role:

Asst. Editor Printing	Ian Goldsmith
Asst. Editor News Items	Mike Williams
Asst. Editor Distribution and co-ordinator	Henry Black
Research	Ralph Hawkins
Conservation	Richard Weston
Librarian	Syd Bailey
Public Officer	Fred Murrell
Catering	Mario Dato
Programme Organiser	Maurice Brown

Total: 13 positions

* All Group members may attend a committee meeting if they wish.



PRESIDENT'S REPORT

I would like to address myself to all our country, interstate and local members who do not attend our regular meetings.

I know most of you by name for it has been my job for nearly every issue of the newsletter, to address the envelopes, insert the newsletter and pop the lot into the post box. But, not actually having met most of you, and as this may well be my last President's Report (Election next meeting), I would like to talk to you about your feelings for your tool club.

We get a lot of feedback at our meeting - most members are very vocal about how things are run and we must be doing something right for it's generally agreed that we - that is the executive committee - are doing a reasonably good job.

However, as I said before, this is directed to you and we would like to hear your comments or criticisms on anything with regard to the tool group but mainly the newsletter as it is our only direct contact.

Also, I have been instructed by the committee to mention that this will be the last newsletter to be sent to those whose annual subscription has not yet been received. We must have the subscriptions to produce this newsletter and the only way you're going to keep receiving it, is to keep being financial! So, if you haven't already done so, I trust you will now drop a cheque in the post to: The Hon. Treasurer, Ray Gurney, 39 Styles Street, Leichhardt NSW 2040 and we'll all be happy - and please drop a line with your cheque to give us your views.

I hope some day we'll have the pleasure of meeting.

Terry Butcher

PRESIDENT'S PERSONAL 'THANK YOU'

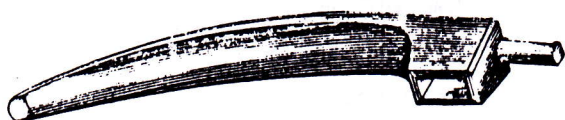
On Monday 21 June at the National Trust Centre, Reg Eaton delivered an outstanding presentation of the Ultimatum Brace and a history of Sheffield tools.

We had a very big turnout for this event and, I believe, everyone really enjoyed the evening.

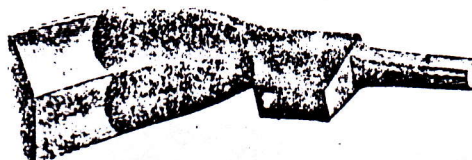
I'm sorry that I spilled the wine all over Reg - that being the second time in a week I've done that. I really didn't mean to make a splash quite so literally.

I must add that we were grateful that he donated a copy of his book, The Ultimate Brace, as the door prize, which incidentally was won by Mario Dato who does a sterling job at each meeting organising the supper. Congratulations Mario! TTTG donated two copies of Trevor Semmens' book, The Australian Plane Makers for second and third door prizes - much valued by the winners.

Don't forget Reg Eaton has opened his shop at the Flinders Antique Centre, Flinders Street, Surry Hills with a lot of fine tools.



Adze, Stripping .



Adze, Trackmen's Spiking

Editor's Notes

Bob Crosbie

In some respects, I am something of a slow learner. This does not overly concern me as once I master something I tend to become reasonably competent. I suppose this has been the case with this newsletter. Now I seem to have the hang of things. As a result in this issue I am tidying up the general format. Hopefully the quality should soon improve. It would help if I got some feedback from readers. So if you have any complaints please let me know.

My situation is probably typical of the group in general. The Committee has now probably got on top of things. This is possibly a turning point for TTTG. The year ahead should be a time of consolidation.

As to the newsletter it should continue to improve. In some ways I would be happy to step down as editor. Don't misunderstand this as it merely means I would like to think someone better equipped is waiting on the wings. Ultimately this will happen and it will be a healthy situation for our group.

Of course if someone does replace me I will offer my successor every assistance and advice. This is a round about way to say I will be standing for re-election. In some ways I am tempted to stand for a more visible office but I think its best if I stick with the newsletter.

Reg Eaton's lecture was a great success and all in all things look promising for TTTG. Hope everyone enjoyed the WWW Show and Henry's Tool Sale.

Thanks for all the support over the past year. Especially to the members of the Newsletter Committee.

TREASURER'S REPORT

Ray Gurney

6-Bank, Cash, CC Accounts
7/93

P&L START	
1/ 2/92 Through 31/ 7/93	
Category Description	1/ 2/92- 31/ 7/93
INFLOWS	
FEES FROM ADV. IN N/LET	337.00
MEMBERSHIP SUBS.:	
93/94 MEMB. RENEWALS	1,700.00
MEMBERSHIP SUBS. - Other	2,130.00
TOTAL MEMBERSHIP SUBS.	3,830.00
REFRESHMENT DONATIONS	486.80
SALES OF STOCK	202.00
SAVINGS ACC INTEREST	28.36
InfloWS - Other	67.20
TOTAL INFLOWS	4,951.36

OUTFLOWS	
Bank Charge	17.07
EXHIBITION MATERIALS	289.31
INCORPORATION COSTS	119.00
ITEMS FOR RESALE	151.35
MEETING REFRESHMENTS	305.35
NEWSLETTER:	
PAPER, ENV.	127.80
POSTAGE	483.45
PRINTING	319.40
TYPING	156.00
TOTAL NEWSLETTER	1,086.65
Office Expenses	131.55
PHOTOS, VIDEOS, AUDIOS	100.00
PUBLIC LIAB. INSURANCE	354.50
Rent Paid	82.50
Outflows - Other	20.70
TOTAL OUTFLOWS	2,658.02
OVERALL TOTAL	2,293.34



TTTG Inc.

DONATIONS

Acq. No.1

Plough Plane
Beech. brass capped stems. Fence riveted brass thumb screw
depth stop with side screw.
plain skate, brass strip with three iron screws.
Routledge
Late
Thompson
423 Bull Street
Birmingham
Owner stamp: J W Brown (4)
1 Toe, 2 heel, 1 side
Iron. Mathieson Glasgow. No.5.

Received by Paul Gregson. 8 June 1993
Donated by G. Beard.
Condition: Poor.

Acq. No.2 & 3

2 Forged Pitchfork Heads. (3 prong)

Received by Paul Gregson. April 1993.
Donated by Bruce Midgley.
Condition: Average to fair

Acq. No.4

Adze Head.
Sorby Sheffield.

Received by Paul Gregson. April 1993
Donated by Bruce Midgley.
Condition: Poor, heavy rusting.

Acq. No.5

Forged Head (Adze Like)
Purpose unknown.

Received by Paul Gregson. April 1993
Donated by Bruce Midgley.
Condition: Poor

Acq. No.6

Sickle
J Tyzack & Son
Sheffield
England
3. Jester Trademark
Beech Handle (worm damage)

Donated by Bob Crosbie. 10 June 1993.
Condition: Average

CONSERVATION COMMITTEE

TTTG has received a number of donations during its first year. With our incorporation it is now essential to record these acquisitions and to develop an acquisition policy. The complication is the absence of a "permanent" home for these artefacts. At present TTTG property is stored on the premises of various members. This situation will have to be resolved in the coming year. An ongoing listing of these acquisitions will be published in each issue of this newsletter.

The conservation committee has, as a consequence of this situation, decided to advise a minimal intervention policy. At this stage no attempt will be made to conserve TTTG property beyond the essential necessary to prevent further deterioration, that is packing it in dry boxes.

This committee has some recommendations for members who have old tools. These findings are based on sound traditional methods and materials and are reversible.

To clean wooden objects:

Warm water mixed with pure soap. Use a coarse cloth to clean, dry object with clean soft cloth. Do not use: meths, paint stripper, caustic soda.

To remove rust:

Use kero as a lubricant with emery cloth or steel wool. Remove surface rust only.

Adhesives: Wood

Hide Glue. Do not use PVA, epoxy, Urea etc.

Metal Repairs:

Silver Solder, replacement parts should duplicate original, do not "invent". Search for similar item, patent etc.

Finish:

Micro crystalline wax. Do not use Linseed Oil, "Plastic" finishes, In selected cases Tung Oil may be acceptable.

The above refers to tools to be placed in a "collection". Current museum practice is to do nothing but prevent deterioration. Members may wish to use old tools. In this case they are similar to old cars, total restoration is most owners ambition. We believe tools are made to be used and the user should maintain them.

COMING EVENTS:

In the coming year TTTG plans to diversify its activity. If all goes to plan further topics to be discussed at our meetings will include:-

- * Pattern Making
- * Foundry Practice
- * Iron, wrought and cast and Steel, mild and carbon
- * Specialist woodworking tools

In this newsletter further articles will concentrate on woodworking and metal working tools, and craft history, and of course the exact composition of each issue will be determined by the unsolicited items sent in by members. So put pen to paper, the deadline for articles is: one month before each general meeting.

Either mail your article to the Secretary or attend a Committee Meeting and give it to the Editor.

REG EATON'S TALK - "ULTIMATUM BRACE"
(Monday 21/6/93 at the Annie Wyatt Room, National Trust Centre)

On behalf of those who attended the meeting and myself, I would like to express our sincere thanks to Reg and his wife who went to so much trouble at the meeting.

Reg brought along some slides and sample braces and proceeded to enlighten us with the whys and wherefores of the Ultimatum Brace.

Having no previous knowledge or contact with the brace I was fascinated to learn that these beautiful pieces of work were only made for about 50 years. The true Ultimatum Brace being only that made by Williams Marples the many other brands which appear to be Ultimatums are mere "look alike".

Reg proceeded to explain the origin of the brace, its original patent in 1848 by Cartwright and the sale to William Marples in 1849. Various configurations were available, with the handles of black buffalo horn, ebony, beechwood or rosewood. Some had decorative rings in the head, sometimes made of boxwood or ivory.

It was quickly apparent to me that anyone contemplating buying a brace would need to know what they were buying before parting with hard earned cash. Consulting Reg Eaton's book beforehand would help enormously.

The book shows in very good close-up photographs (most taken by Reg) all the identification marks found to date, of which there are many variations. There are also many old signs and advertising plates relating to toolmakers, merchants and suppliers. Photos of a large number of bits are included.

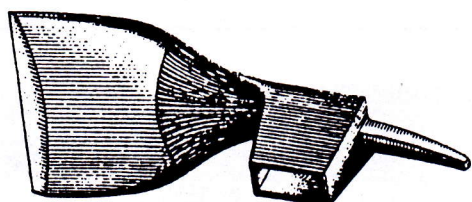
Reg's book is the result of a huge amount of research and I was interested to learn that since publication of his book, he had found several braces with spring and plunger actions in the chuck, there seems no end to his discovery process.

Braces were made by purchasing the component parts from local specialised tradesmen, blacksmiths for the steel handle pin, the brass founder for the frame, the metal turner for the chuck and head flanges and so on. These parts were assembled by William Marples and the result was the Ultimatum Brace.

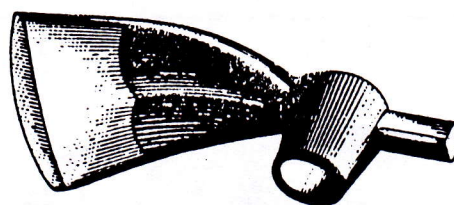
Therefore one can imagine it was easy for other potential manufacturers to purchase the same component parts and set up in opposition to William Marples. This was done by many manufacturers once the patent had expired, hence the huge variety of makers and merchants names appearing on old metallic framed braces.

So, before we get too enthusiastic about purchasing metallic framed braces, remember, the true Ultimatum brace was only made by William Marples.

Maurice Brown



'Yankee' Ship Adze



Adze, Brazil.

METAL INFILL PLANES

Bob Crosble

For precise working and quality of finish only a scraper can surpass an English pattern wood infill plane. These planes can also perform tasks beyond the scope of the scraper. Consider for instance the wood infill rebate or shoulder plane.

What is a wood infill plane? Put simply it is a metal casing filled with a wood core. The metal can be either fabricated from plate or cast. Planes made from plate stock are of wrought iron, mild steel, brass or gun metal. Planes made from castings are cast iron, malleable cast iron, brass or gun metal. Fabricated planes are usually made by dovetailing the plates together and penning the joints. This results in a box which cannot be taken apart.

Whether dovetailed or cast the metal box usually cannot support the "iron" by itself. This is achieved by a wooden infill or cove. The blade or iron is retained in place either by a wedge or by a pivoted lever cap. Several mechanical devices are used to achieve this holding function. They include keeper bars, pivoted bars, pivots and "lugs" cast into the body.

These planes achieve a quality finish by virtue of their rigidity. There is no lost motion to generate vibration and hence blade movement. Hard woods, cross grain, interlocked grain, variable grain direction can all be finished to near perfection with gold leaf thin shavings. End grain can be finished with glass like smoothness.

These planes are rightly valued by users and collected by those who appreciate beauty of design and workmanship. The timbers used to fill these planes are commonly: mahogany, walnut, rosewood and ebony.

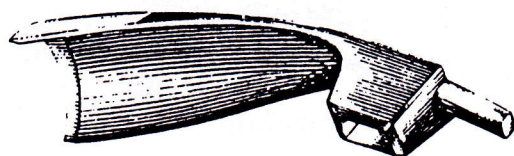
Such planes should be treated with respect. Do not over restore. The patination of age should be retained. However these artefacts should be returned to full working order. After all they were made for and used by the best artisans who knew how to use and maintain such mechanical marvels.

Restoration should be entrusted only to tradesmen skilled in conserving old artefacts. It is not a wire brush and wax job. Because of the inherent quality most of these planes can be repaired and deserve expert attention.

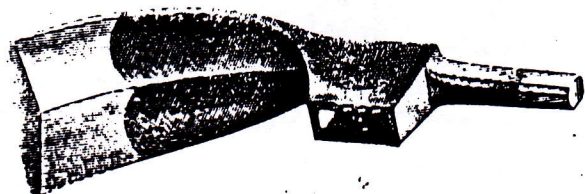
PAUL GREGSON'S "WHAT'S IT FOR"

Pincers

Does anyone know the reason for the ball on a pair of pincers? Is it decoration or does it have a function?



Adze, Spout (Guttering Adze)



Adze, Trackmen's Spiking

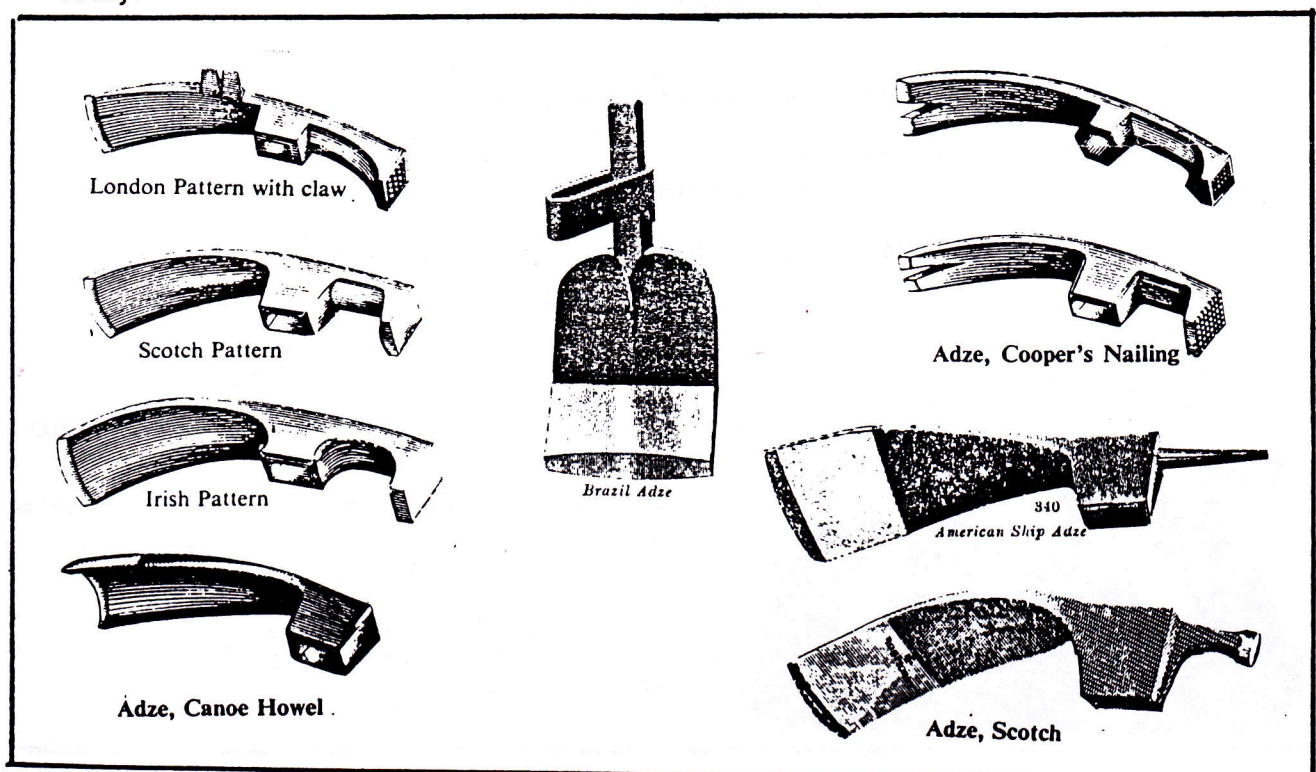
BOOK REVIEW

AUSTRALIAN PLANEMAKERS by Trevor D. Semmens, April 1993, 54 pages, 8½ x 11, softbound. (send a \$10 USA bill by airmail to the author at 19 Loinah Road, Montagu Bay, Tasmania 7018, Australia).

The author summarizes briefly twenty-one known makers of "down under" planes made in the States of New South Wales, Victoria, South Australia and Tasmania. These were principally made after 1945 to the present date. While there are several photocopy illustrations of trade marks of these makers, there are only a few of their planes. However, there are seventeen detailed line drawings from Australian Patents and six from Registered Designs. A few of these are from applications for patents still pending. Among these are one from Stockholm, Sweden; two from Alexander Mathieson and Sons, Glasgow, Scotland; another from unknown location in England; another from unknown location in Great Britain; one from Wakefield, England; one from Zeetermeer & Ermelo, Netherlands and the remainder from various locations in Australia. These activities indicate a high degree in potential market for planes among both foreign and domestic interests. There are line drawings of six Registered Designs, including one from the renown Sheffield, England firm of C. & J. Hampton. An Appendix illustrates and lists planes and parts thereof planes by Falcon of Adelaide and the Turner line, until 1970 when this firm was bought out by the Stanley Works. Previous to 1945 most of the carpenter and joiner tools were supplied by importing from firms in England or United States. However the Turner firm and its successor, The Stanley Works have since exported quantities of planes, particularly to Latin America.

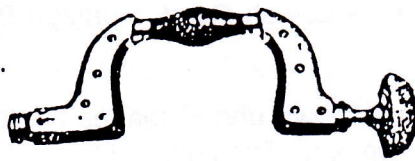
This reviewer had the pleasure of visiting Australia twice within the last two years and has lectured before five enthusiastic tool collector groups. While visiting at Melbourne, Victoria, Frank Ham, Secretary of the Tool Preservation Society, presented me with a Stanley No.3 plane in an original box. The printed label stated: "Stanley No.3 Made in Australia. Stanley Titan Pty Hobart, Tasmania. Licensee of the Stanley Works, USA". Cast on the bed was "BAILEY No.3 Made in Australia" and on the lever cap "STANLEY".

Trevor Semmens' book should provide interesting insights to collectors of an otherwise virtual unknown source of planes. Serious collectors and rykenologists should welcome this study.



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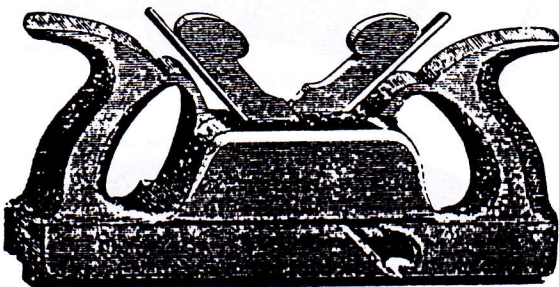
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Phone (06) 2886142

5% discount on books for TTTG members.

We currently have in stock several of Ken Roberts books, including:

Some 19th Century English Woodworking Tools	\$57.00
Scottish & English Metal Planes	\$19.95
Tools for The Trades & Crafts	\$34.20

(TTTG member prices, plus postage)

If you are in Canberra, please ring to arrange an after-business-hours visit to see our private collection, and the tools and books we have for sale. You and your family will be most welcome, John loves to talk about old tools, so allow plenty of time when you come!

WANTED TO BUY: interesting and well marked tools made by Alexander Mathieson, especially with trade labels intact, and any literature relating to this firm.



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P.O.Box 224 Moorooka Qld 4105..Ph:07-3975998 A/hrs Ray Ingold
Fax: 07-3975998.

Feb 1993 - July 1993.

No.127	Patented Trans & Metallic Planes in USA Vol II.....	\$105.
No.105	Some 19th Century English W/working Tools.....	\$54.
No.123	Scottish & English Metal Planes.....	\$18.
No.124	Selections from the Chronicle.....	\$31.
No.125	Dictionary of American Hand Tools.....	\$56.
No.248	Preston 1909.....	\$29.
* No.121	Antique & Collectible Stanley Tools.Value etc.....	\$30.
No.122	Collecting Antique Tools.....	\$31.
No.119	New York State Planemakers.....	\$34.
No.120	The Ultimate Brace.....	\$58.
No.118	Dictionary of Woodworking Tools.....	\$59.
No.102	Woodworking Planes.....	\$25.
No.108	Stanley Folding Rules.....	\$25.
No.104	British Planemakers from 1700.....	\$39.
No.117	The Workbench Book.....	\$52.
No.113	The Wheelwrights Trade.....	\$15.
No.114	Tools for the Trades & Crafts.....	\$25.

CATALOGUE REPRINTS.

No.246	Stanley Rule & Level Co 1867.....	\$10.
No.220	Stanley Rule & Level Co 1872.....	\$10.
No.201	Stanley Rule & Level Co.1874.....	\$10.
No.239	Stanley Rule & Level Co 1877.....	\$10.
No.240	Stanley Rule & Level Co 1879.....	\$10.
No.203	Stanley Rule & Level Co 1892.....	\$10.
No.235	Stanley Tools Dealers Cat 1939 No139.....	\$22.
No.243	L.S. Starrett 1895.....	\$15.
No.244	Ohio Tool Co 1910.....	\$12.
No.245	Tower & Lyon Co 1904.....	\$12.
No.218	Millers Falls Co 1887.....	\$8.
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