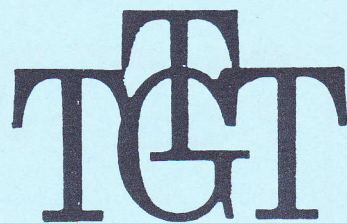
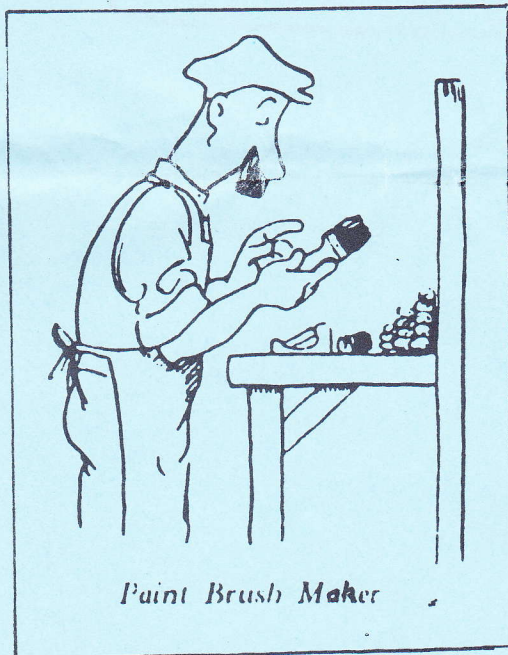




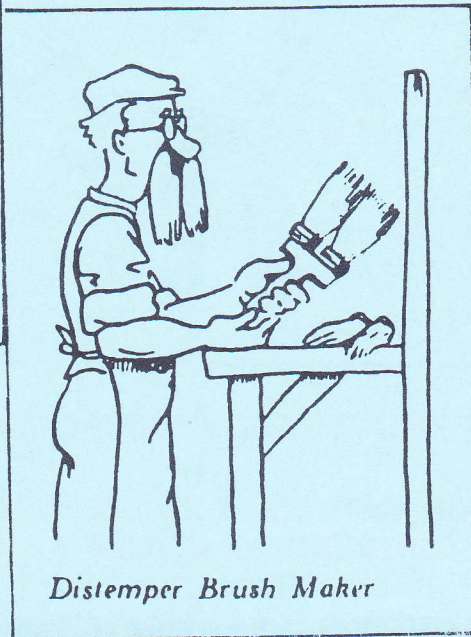
THE TRADITIONAL
TOOLS GROUP INC.



TTTG NEWSLETTER NO. 36
AUGUST 1997



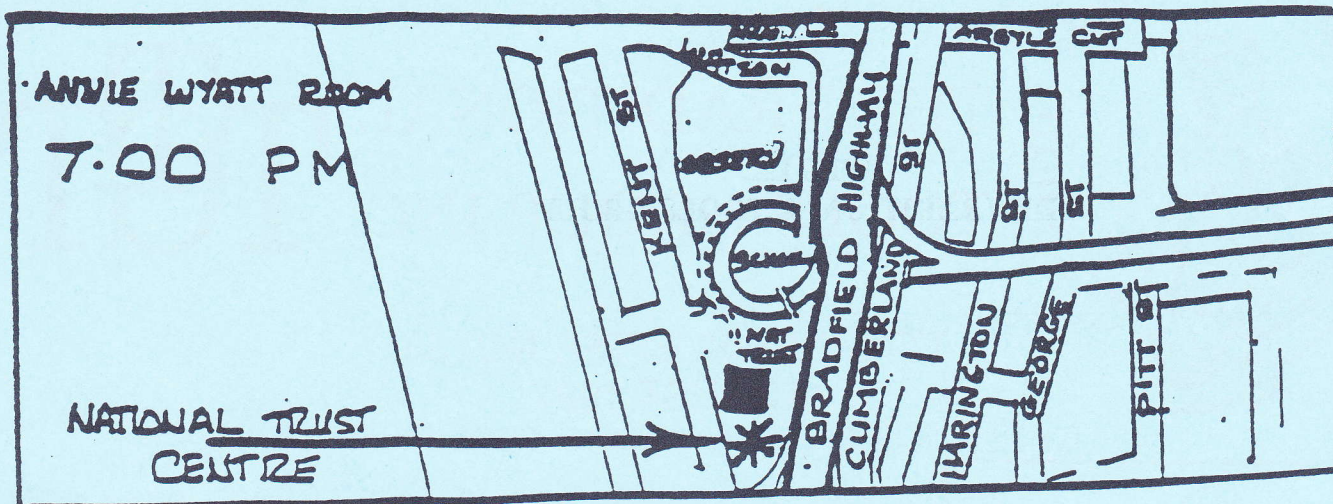
Paint Brush Maker



Distemper Brush Maker



Millet Broom Maker



OUR NEW POSTAL ADDRESS

The Secretary
T.T.T.G. Inc.
P.O. Box 240
GROSVENOR PLACE
SYDNEY N.S.W. 1220

NEXT MEETING- TUESDAY 12TH AUGUST

AT THE ANNIE WYATT ROOM, NATIONAL TRUST CENTRE, OBSERVATORY HILL
COMMENCING AT 7.00PM SHARP

PROGRAMME

1. ANNUAL GENERAL MEETING.
2. THE TRADE OF PANEL BEATING. NO DOUBT ALL OF OUR MEMBERS HAVE TRIED TO STRAIGHTEN OUT THOSE "MINOR" BUMPS OUT OF OUR MOTOR VEHICLES AND REALIZED THE SKILL REQUIRED. DONALD WAIT HAS WRITTEN BOOKS ON THE SUBJECT, TAUGHT, PRACTISED, AND CONSULTED ON ALL ASPECTS OF PANEL BEATING. HE HAS KINDLY AGREED TO COME AND TELL US ABOUT THE MORE TRADITIONAL ASPECTS OF PANEL BEATING. DON'T MISS IT!
3. SHOW AND TELL. ANY UNUSUAL PANELBEATING TOOLS?
4. CAN ANYONE TRUMP FRED MURRELL'S "WOTSIT"?
5. BROWSE THROUGH THE TTTG LIBRARY WITH OUR LIBRARIAN RICK MITCHELL.
6. SUPPER BY MARIO DATO.

TTTG Inc.
THE TRADITIONAL TOOLS GROUP

TTTG NEWSLETTER No. 36
August 1997.

Editors Notes

Bob Crosbie

Next Meeting

Previous Meeting

In Committee

Library News

Rick Mitchell

What Is....

Collector's Page

Australian Tools 1950

Timber Getting in Early New South Wales

Annual General Election 1997

NEXT ISSUE

Pit Sawing in early NSW

Mike Williams explains why Planes Chatter.

Cover

Advertisement " Mitchell's Brush News "

The Hardware Journal Feb. 15, 1950

(C) Copyright 1997.

Any opinions expressed are those of the contributor.

Editors Notes.

This issue farewells TTTG's founding President, Terry Butcher, who has retired to the wind swept isles of Tasmania. Every TTTG member wishes him well. I hope we will see a new feature in this newsletter Terry's Letter from Van Dieman's Land.

In appreciation the Committee has resolved to make Terry a Life Member.

Election Time again.

We have an interesting topic for the next meeting. The auction sale went so well at the last meeting the Committee has decided to make this a regular event. If you have any thing to sell bring it along. If we get a price agreeable to the vendor TTTG expects a donation of 10% of the bid accepted.

The Working With Wood Show again gave TTTG an opportunity to attract new members. The Committee extends appreciation to all members who helped at the Show. Next year TTTG intends to make an all out effort to present TTTG as an impressive organisation.

I hope you find something of interest in this newsletter.

Previous Meeting.

Our speaker for the evening was Jack Percival who kept us enthralled with his fund of knowledge on Australian watchmaking lathes and machinery. Such was the ingenuity and quality of Australian watchmaking equipment before and during the last war that product was supplied to the American and Australian Defence Departments for use with aeronautical instruments such as altimeters, as of course they were all precision mechanical devices at that time. After the war, large orders were filled for India and other parts of Asia. Jack also had a stunning display of watchmaking equipment with which he illustrated his talk.

Eddie Stapleton and many other members had brought along interesting levels which filled two tables on the night. There were builders' levels, engineers' levels, fancy levels and ingenious combination levels. Even the most erudite of our members saw examples of levels which they had not seen before.

At the conclusion of the meeting Bob Crosbie was our auctioneer for the night and a lively auction of unwanted members "treasures" was held. All in all, a great evening.

Next Meeting.

At our next meeting we will be addressed by Don Wait who has been associated with the trade of panel beating all of his working life. Don has written several books on the subject and has taught all facets of the trade to generations of students. The modern panel beating trade has evolved into the science of precision measurement and three dimensional spatial geometry; although Don is thoroughly conversant with modern techniques, he will talk about the more traditional aspects of the Trade in keeping with the interests of our group. This is an evening not to be missed!

To start off the evening, we will hold the Annual General Meeting --see details elsewhere in this newsletter.

In Committee.

Committee Meeting. 8/7/97

The Committee resolved to make Terry Butcher a Life Member of TTTG.
Best Luck to Terry in Tasmania.
Work on the new promotional material has begun.
The Committee is investigating TTTG's greater involvement in heritage matters.
Details will be given at the next General Meeting.

Library News

Recent Donation.;

Henry Black has donated several boxes of old tool and machinery catalogues to the TTTG Library. These are currently being catalogued. See the next newsletter for details.

Terry Butcher has donated a set of Hand Tool Preservation Association Newsletters to the TTTG Library. Terry purchased these at the last meeting auction and his generosity is acknowledged.

ANNUAL SUBSCRIPTIONS

Annual Subscriptions are due again. Please tear off, fill in and post with your cheque for \$30.00 to :

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TTTG Inc.
PO Box240
Grosvenor Place
Sydney NSW 1220

Name _____ Membership Number _____

Address _____ Tel (Bus) _____
(A.H) _____

What Is ?

Lancashire Files.

Before the first world war files marketed as Lancashire were considered the best quality available. Even top of the range Sheffield made files were described as Lancashire.

Prior to about 1820 all files were made by the Lancashire method. Warrington was the early center of file production. After the 1820s Sheffield emerged as a rival file producing area. Sheffield developed the Sheffield process of file making.

The two processes differed in the method of preparing the file blanks. In Lancashire the forged blanks were dressed by hand filing. In Sheffield the blanks were surfaced by grinding on large water powered wheels.

The Lancashire method had the reputation for producing the best quality of file. The next development in file production occurred in the 1870's. In Sheffield experiments were made with mechanised methods of file cutting and the use of sand blasting to sharpen worn files.

These new techniques were rejected in England. However in America mechanised file cutting combined with sharpening by sand blast was perfected. American files by 1890 were cheaper than, and superior to, Lancashire files.

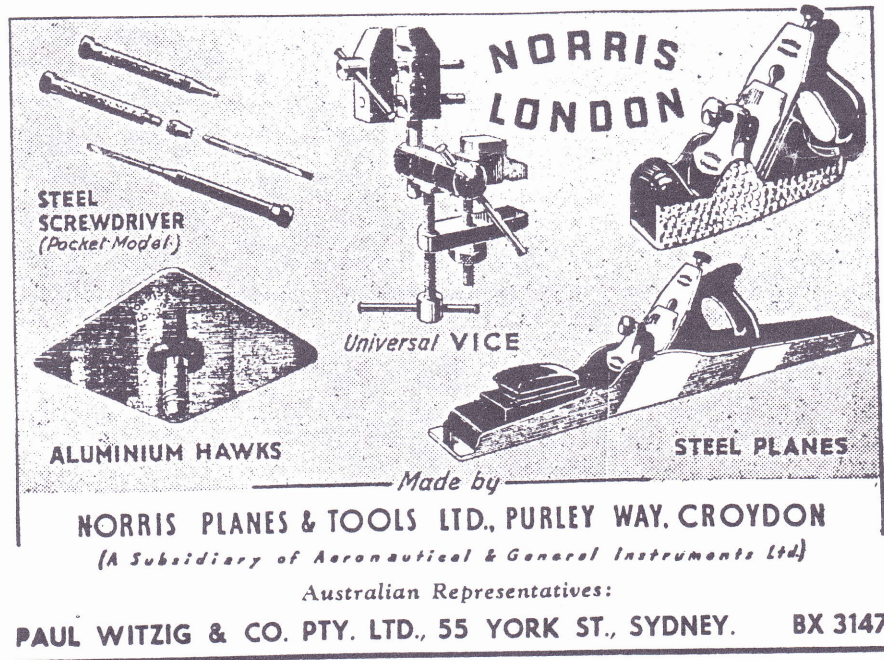
After 1914 the composition of the steel used in file production was changed. Alloy steels were designed with characteristics engineered to the specified requirements of the file. This was the final evolution of file production.

If you are searching for a source of uncontaminated cast steel, free of any additives, then consider nineteenth century files.

Collectors Page

Norris Post War Planes.

This advertisement appeared in The Hardware Journal Feb. 1950 (Vol. 65 No. 2)
Do any members have a Norris aluminium hawk, screwdriver or vice ?



NORRIS LONDON

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"TURNER" Planes

Turner made planes in Australia in the 1960s. Turner products were well made unlike Carter or Falcon. Turner planes have distinctive clear red plastic handles. Like Pope, Turner planes have aluminium frogs. I have observed two plane blades in Turner Planes. These are:

TURNER Made in Australia. Hardness Tested

TURNER Erik Anton Berg. Sweden.

Does anyone have any details of TURNER'S history?

TIMBER GETTING IN EARLY NEW SOUTH WALES

Bob Crosbie.

From 1788-1840 the forests of New South Wales were controlled by the Colonial Administration. Trees, like other natural resources, were assumed to be the property of the Crown. Officials of the British Government acted to protect the Crown's interests. Timber was a potential source of raw materials for the British Navy. Timber not reserved for government consumption, or for reservation for naval use, was an important source of revenue. Private timber getters paid a licence fee proportional to the value of the timber extracted. While timber was valued the methods of extraction and conversion were not wasteful. The value of the timber exceeded the cost of labour used in extraction and conversion. Government utilised convict labour and as the labour of convicts was default to the Crown costs were minimal. Demand for certain timbers was high allowing private timber getters to realise a profit from investments in forestry. After 1840 restrictions on timber extraction were removed. Wasteful methods of forestry were then practiced.

FELLING.

Before the 1840s timber trees were felled by the saw. The trunk was scarfed close to the ground level. The horizontal crosscut saw and wedges were used to saw through the trunk. As the large hardwoods and the cedar were canopy dominate trees it was relatively easy to clear a path for the falling tree. Such a method of felling was skilled work requiring considerable judgement to insure the tree fell in the intended direction.

Pairs of men then cross cut the fallen tree into lengths. The bole was cut below the branch level. This section was converted by pit sawing. The top and branches were graded and cross cut. Compass timber went for shipwrights or wheelwrights work, if of sufficient size. The remainder went to the charcoal burners or for fire wood. Both charcoal and fire wood were in constant demand. The charcoal was used for smiths work.

Before 1817 the logs were either dragged from the forest and transported to Sydney or Parramatta for pit sawing or pit sawn at temporary saw pits. After 1817 the practice was to establish permanent saw pits near the logging site, roofed against the weather, and convert the logs into quarters or deals. These sections were then transported to larger sawing establishments for further conversion.

The following extract from Holtzapfel's "Turning and Mechanical Manipulation." Volume II of 1875 describes the saws used for felling, docking and ripping.

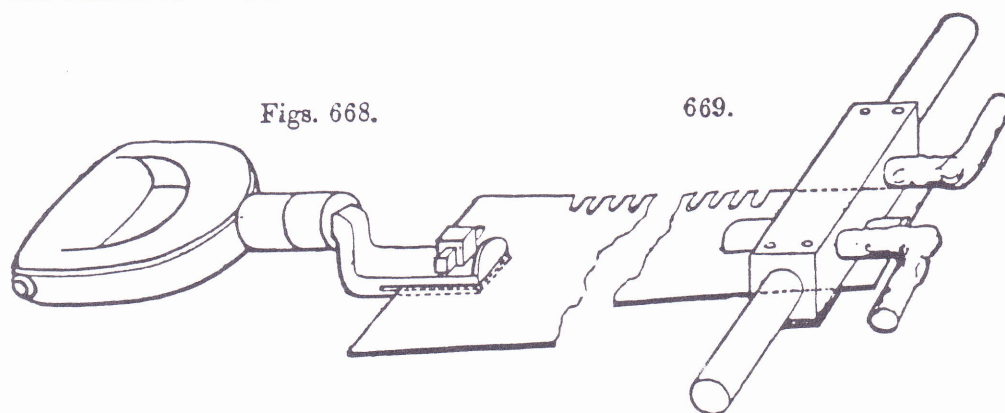
The saw which claims priority of notice, is that used in felling timber, when the axe is not employed for the purpose.

The *felling-saw* mostly used of late years in this country, is a taper blade about five feet long, with ordinary gullet teeth, closely resembling the common pit-saw, except that the teeth are sharpened more acutely.

The handle of the wide end, fig. 668, is fixed by an iron bolt and wedge; that at the narrow end, fig. 669, is calculated for two men, and is made of wood, except a plate of iron at the bottom attached by rivets or screws to the wood, so as to make a crevice for the saw, which is fixed therein by a wooden wedge on the upper surface of the blade.

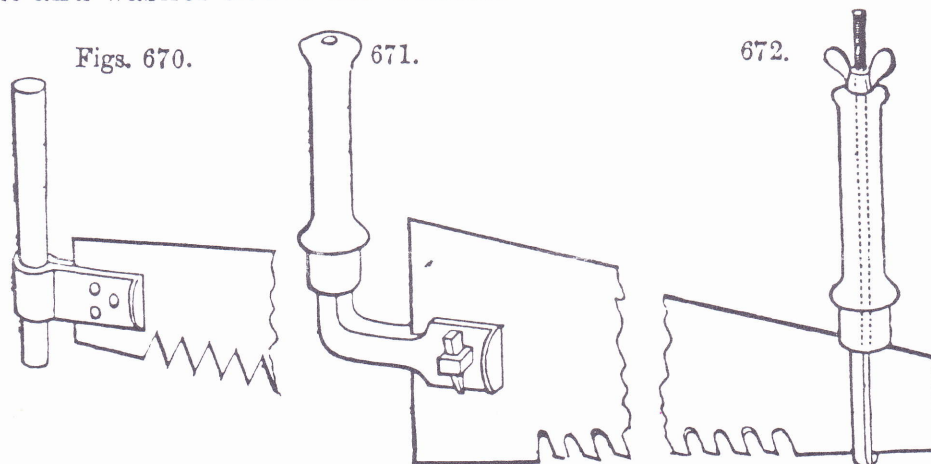
When the saw has entered a moderate distance, wedges are

driven in to prevent the weight of the tree from closing the sawkerf and fixing the blade; and it is needful the handles should be removeable, that one or other may be taken off, to allow the saw to be withdrawn lengthways, which could not be done, were the handles riveted on.



In *cross-cutting* saws, the straight handles are sometimes attached as in fig. 670, by a piece of sheet-iron serving as a ferrule, and extending in two flaps which embrace the saw, and are riveted to it.

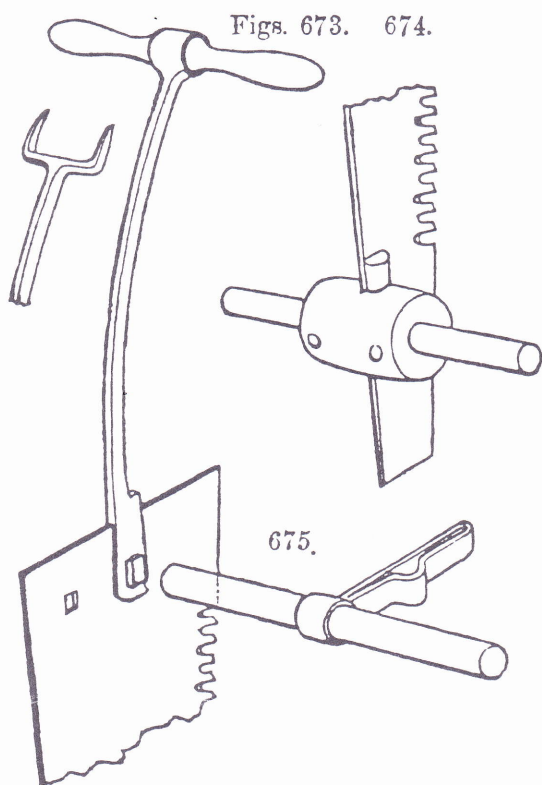
Figs. 671 and 672 represent two other kinds: the former is attached by a bolt and key, and the spike is riveted through the wooden handle. In the latter the handle is perforated for the reception of a slender rod of iron, slit open as a loop to receive the saw-blade, and which is drawn tight by means of the nut and washer above the handle.



Some of the crossing-cutting saws used in the colonies for very large logs, are made as long as twelve, fourteen, and sixteen feet, nine to eleven inches wide in the center, and six or seven inches at the ends. The peg-tooth is commonly used for them. The *long saw*, *pit saw*, or *whip saw*, which follows in the table,

is also the next saw that is commonly applied to the piece of timber, which is then placed over the saw-pit, in order that the saw may be used in the vertical position by two men, called respectively the *top-man* and the *pit-man*, the former of whom stands upon the piece of timber about to be sawn. The positions of the men are highly favourable, as they can give the saw a nearly perpendicular traverse of three or four feet; and in the up or return stroke, the saw is removed a few inches from the end of the saw cut, to avoid blunting the teeth, and to allow the sawdust free escape.

The long saw varies from about six to eight feet in length, according to the size of the timber. To adapt it to the hands of the sawyers, it has at the upper part a transverse handle or *tiller*, fig. 673, and at the lower a *box*, fig. 674. The



tiller consists of a bar of iron, divided at the lower part to receive the blade, to which it is fixed by a square bolt passing through the two, and fastened by a wedge; and at the upper end, the tiller is sometimes formed as an eye for a wooden stick, or else it is made as a fork, and the handle is riveted on.

The handle at the lower part, fig. 674, is simply a piece of wood four or five inches diameter, and twelve to sixteen long, turned as a handle at each end; a diametrical notch is made half way through the center to

admit the saw blade, which is fixed by a wooden wedge. Sometimes the bottom handle of the long saw is a flat iron loop, as in fig. 675, with a space for the fixing wedge, and an eye for the wooden handle. Occasionally a screw box is used, or one like fig. 674, but with the one handle screwed in, so that its point may bear upon the saw, in place of the wedge. In all cases it is desirable the lower handle should be capable of being easily removed.

Australian Tools 1950.

Carter.

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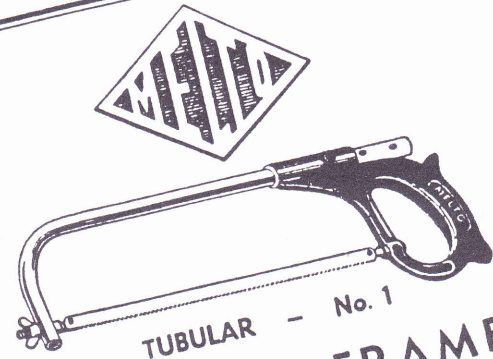
SILEX Tools.

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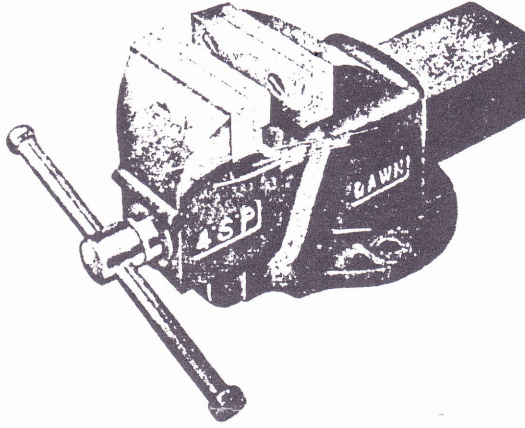
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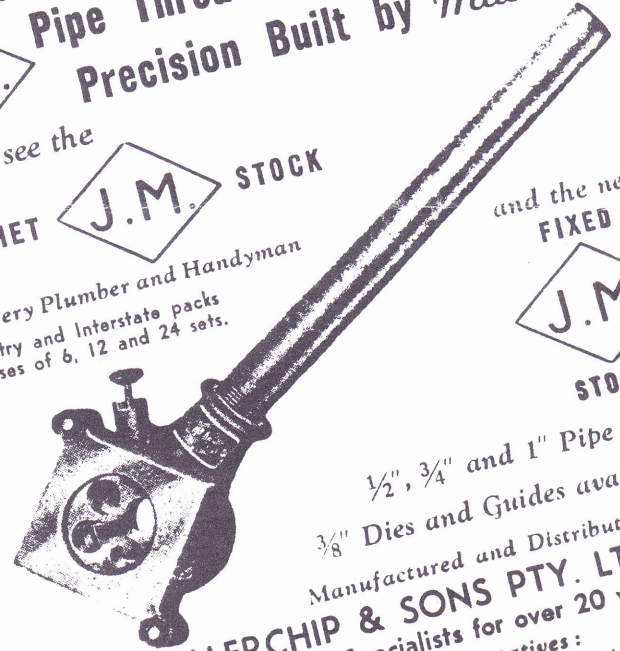
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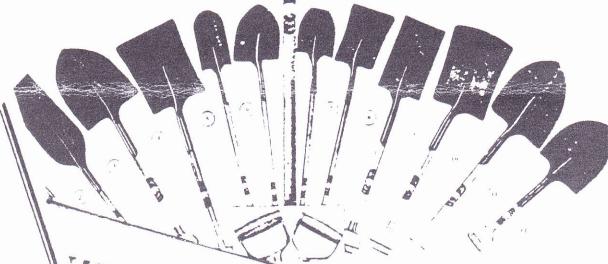
Illustrated is Tulloch-Phoenix Mildura Posthole. The angle of blade to handle ensures easy lifting of soil from postholes and trenches, while the square mouth ensures a clean bottom and maximum load. This shovel was primarily designed for surface irrigation channels. Range of the T.P. Shovels is as illustrated.

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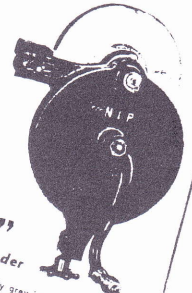
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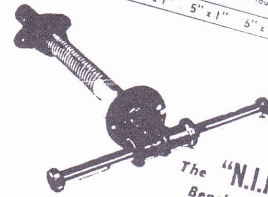
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TTTG Annual General Election 1997

The 1997 Annual General Election will be held during the August General Meeting. The following members are willing to stand as candidates.

- | | |
|--------------------|---------------------------------------|
| President | Bob Crosbie |
| Vice President | Fred Murrell |
| Secretary | Mike Williams |
| Treasurer | Clynt Sheehy Sheehy |
| Public Officer | Fred Murrell |
| Membership Officer | Ray Gurney |
| Program Organiser. | |
| Heritage Officer | Rick Mitchell |
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| Editor | Bob Crosbie |
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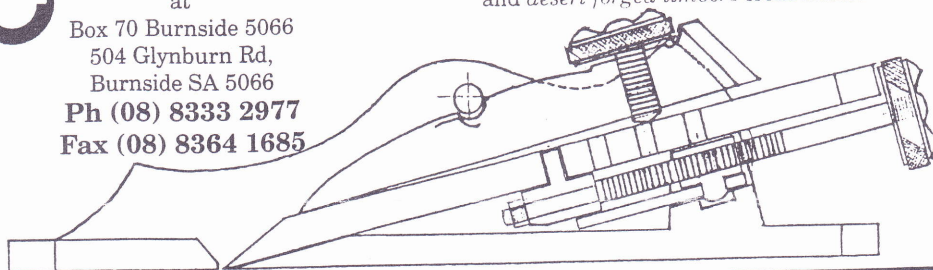
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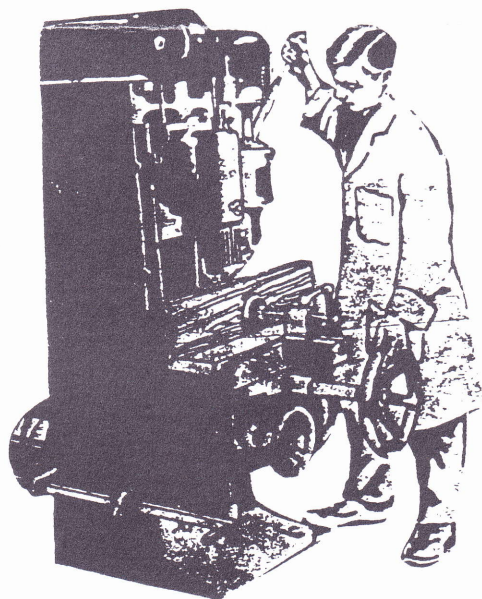
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