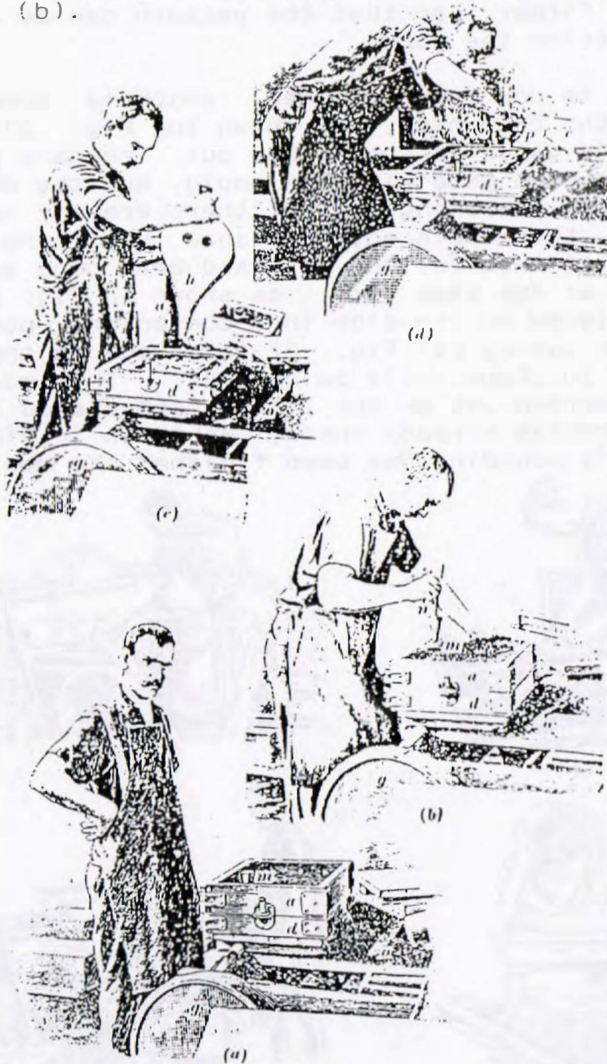


with a handful of moulding sand, and the bottom board is placed on and rubbed down with a turning movement to a good smooth bed on the sand and against the box. The box is then held firmly on both sides, drawn to the edge of the the bench, and as it drops off is turned over with a quick flop on to the bench, as shown in Fig. 19. The moulding board is then removed, the top of the mould cleaned off and smoothed up, parting sand sprinkled over the mould, the cope (a) fitted on to the drag (d), and the gate pin (m) put in place, as shown in Fig. 20 (a). Sand is again riddled all over the mould and rammed as before. The top is smoothed off with the straightedge (o) and the gate pin (m) drawn out with a spike (n), as in Fig. 20 (b).



After the gate pin is drawn, the sand round the top of the gate is rounded off with the fingers and packed firmly. The cope is then lifted off carefully, so that the sand shall not be loosened, and placed, standing on edge, on the bench, as shown at (a) Fig. 20 (c). The bellow (h) are used to blow off any loose sand or dust round the pattern or on top of the drag as shown in Fig. 20 (c). With the sponge and quill (p) water is dripped all round the sand near the edge of the pattern, as shown in Fig. 20 (d). The sponge is fastened to the quill, or the quill is pushed through it, so that when the sponge is full of water it can be squeezed in such a way as to let a few drops fall off the end of the quill or a little stream of water from the sponge. This moisture on the sand makes it firmer, so that the pattern can be removed without displacing the sand.

The pattern is now ready to draw, which is done very carefully with draw-pins, as shown in Fig. 21. The pattern for the gates is then taken out, runners are cut to connect the down gate with the mould, and the mould is smoothed with a finishing tool if there are any defects. The cope is then replaced, the snap box removed by loosening the catches (q) and (r), and both cope and drag are taken off at the same time, as shown in Fig. 22 (a). The box is placed on its side in a convenient position, and a shell or casing (s) Fig. 22 (b), put on the mould to keep it in shape while being cast. The mould is picked up, carried out on the floor, and placed in the row with the moulds already there, as shown in Fig. 23. When the day's moulding has been finished the moulds are cast.



Fig. 21



(h)

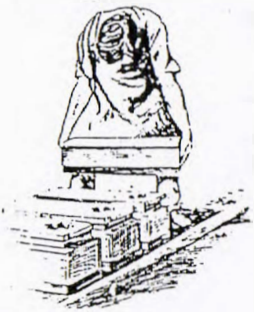


Fig. 21



(a)

Fig. 22

LIBRARY NEWSNew Books/Catalogues

1. Reprint of the Chronicle of the Early American Industries Association Volume 12 through 26 from March 1959 to December 1973. This is a 50th Birthday publication, over 950 pages.

2. Reprint of James Howarth & Sons Catalogue 1884, Sheffield.

3. Photo copy Catalogue 31 of Union Iron and Wood Planes 1931. The Union Plane Co. New Britain Conn. U.S.A.

4. As promised in the last issue. I now enclose a list of various publications, catalogues, pamphlets and information booklets donated by the Stanley Tool Company, Nunawading, Victoria. I would like to thank Graeme Plaw who made this possible, and Stanley Company for their generous donation. I am sure we will all benefit from this donation.

This list of material is not stored at my home, therefore advance notice is required in order to borrow these publications. Please ring me on 762 1477.

- No.1. I Sharpen Stanley Chisels
- 2. I Inspect Stanley Planes
- 3. I Inspect Stanley Plane Irons
- 4. We Make Stanley Plane Castings
- 5. I Cut Rosewood Logs
- 6. I Temper Stanley Plane Cutters
- 7. I Haul Maples for Stanley "Zig-Zags"
- 9. We Make the Final Inspection on Stanley "Zig-Zag" Rules
- 11. I Supervise the Making of Boxwood Rules
- 12. I Bend the Steel Bows (Braces)
- 13. I Assemble the Bit Brace Ratchet
- 14. I Inspect Stanley Hand Drills
- 15. I Drive Stanley Screw Driver Handles
- 16. I Harden Stanley Screw Driver Blades
- 17. I Forge Stanley Hammers
- 18. We Split the Hammer Handle Billets

Some very interesting four page publications explaining in detail the various skills involved in covering the above topics.

OTHER PUBLICATIONS RELATED TO WOODWORK & ALLIED TRADES

Stanley Craft Education Magazines no. 15,19,36,40,41,42.

Link Bulletins no. 2,3,4,5,6,8,9,10,11 & others

Stanley - Man Makes Hole

" More to a Hammer than Meets the Eye

" Man and Measure

" Plane Facts

" Held by a Thread

" Operation of the Modern Router 1971

" How to Use the Stanley Rule

" Know Your Stanley Plane

" How to Use the Steel Square

" The Book of Sculpture with Surform Tools

" Guide to Modern Woodworking Tools

" Book of Design for Home Storage

" A Guide to Beginning Tool Activity

" The Little Carpenter

" A Guide to Using Tools in the Elementary " Classroom

" You Can Do It Projects

" Tool Guide

" Do It Right with Tools and Wood

" "55" Plane and how to use it

" "45" Plane Seven Planes in One

The Australian Encyclopaedia of Carpentry & Woodworking Tools & Terms & Material 1973.

1 Set of Stanley Charts (Photo Copy)

5. Add to Catalogues after 1940.

Crescent Tools U.S.A. 1960

Yankee U.S.A. 1940

Irwin. Wood Boring Tools U.S.A. 1966

Litchfield Maintenance Tools. Aust. Sth. (No date)

The Association has approved that a sum of \$5.00 per year be allocated to country members, who cannot regularly attend the meetings, to be used for postage re borrowing library books.

A list of books and catalogues for borrowing has been published in Vol. 1 no.2.

Please contact Kees Klep

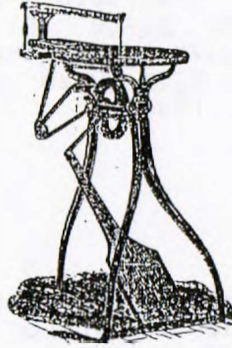
HELP NEEDED

I have obtained an American Scroll Saw in excellent condition. Unfortunately it has the wooden treadle and the belt/chain missing. Can anyone help or know of one from which I could copy the missing parts.

Thank you, Kees Klep.

AMERICAN SCROLL SAW.

This Machine is designed for practical service in the workshops of carpenters, builders, cabinet makers and all other wood workers. It will cut timber up to three inches thick and is very fast. The swing around the blade under the arm is 24 inches. Extra blades are supplied with each machine.



SALE ITEMS

The following tools have been offered for sale to our club by Alex Jenkin. If you are interested Alex can be contacted on.

BROAD AXES

Marks on axe heads held are either not readable or barely so. What can be seen is as follows:-

- Hurds Razorblade (one of the biggest made)
- Hutsbruk (Swedish - a good blade)
- Kelly U.S.A., True Temper Flint Edge
- ??? Best Axe Made
- Plumb
- Plumb
- Nunn
- Shaw
- (Mark unreadable)
- (No mark now remains)

CROSS-CUT SAWS

One-man Cross-cut Saws

- H. Disston 7 Sons, Philada, 3' long.
- (Make unknown) 2' long.

Two-man Cross-cut Saws

- Pit Saw - Old and heavily rusted. Approx. 6' long.
- M-Tooth - Make unknown. 6' long (used as a "racer").
- Peg & Raker - Make unknown. 6' long.
- Peg & Raker - Henry Bucker - Germany. 6' long.
- Peg & Raker - Make unknown. 5' long.

SHEEP SHEARS

Combination UTS no. 1 Sheffield (4)

Burgon & Ball ST & B (1)

(Hind's Patent Double Hollow Ground)

Ball Bros. & Co., Sheffield (1)

Jos Tyzack & Co., Sheffield (1)

Ward, Sheffield - Cast Steel (1)

FLENCING BLADE (Blubber Knife)

SPADE used to cut the blubber of a whale.

PELICAN PICK Used to form channels in the ground.

BOW SAW (Two)

The Caine Tool Collection

A further meeting of the committee was held at Illawarra Cottage on 21st July. In the absence of Mrs Cordner, the official Trust Chairperson, Tony McIvor was nominated as Acting Chairperson. The meeting was a profitable one and identified the following objectives for the collection -

- Preserve the collection
- Reassemble the collection (some tools are at Polly Woodside, and some in the hands of the public)
- Catalogue and photograph all items
- Preserve existing documentation
- Carry out research into Thomas Caine, and into the trades represented by his tools
- Display the collection to the public
- Develop a working museum display

A number of copies of documents about Thomas Caine were examined with especial interest in his hand written labels. Committee members were concerned to see that these remaining items were preserved and recorded as far as possible.

Caine Tool Meetings

Club members are invited to assist with the work on tools. Please contact Doug McIvor, . Meetings will be held at Illawarra on August 22nd, and October 24th at 3.00 p.m. A committee meeting will be held immediately prior to this time.

Thomas Caine and the National Trust

Since the death of Thomas Caine the Trust has sold his house in North Melbourne. The only display of tools is the small sample at the Polly Woodside. Club members can judge for themselves by reading a copy of his Will and The Request made by Caine which follow:-