

## 9 APPENDIX II: sample event logs

### 9.1 Bowl Turning: 4<sup>th</sup> July 2004 Helen's return visit [HS2]

#### Tape HS2.1

0.00	HS discussing twist angle - seems to remember from last time. Also thinking about side-to-side angle, but holding tool in her left hand so it is completely wrong. HS asking me but I'm busy so not really looking and just saying yes to be agreeable. She looks at the sheets and I ask if they make sense - she says yes.
0.02	Starts tentatively turning, but left handed and it's not cutting. Swaps tool and asks NW if it's her left handedness. NW says its because she's holding the tool left handed. We discuss the pros and cons of the set up and H decides it's best to go right handed.
0.05	H turning very cautiously - not cutting much off - H refs to sheets. Starts to turn more confidently, but side to side angle isn't right - far too far to left.
0.06	H and NW fiddling with block - getting in right position for her - now new larger block with another "slice" to go on top if she needs to be higher.
0.08	Turning more confidently - angle still wrong - H concerned about unevenness of blank - NW reassuring.
0.10	H now trying to turn with tool completely pointing the wrong way - she seems aware of the problem but resorts to dragging the tool over the surface of the bowl as she pushes the treadle down. This creates high and low spots on the blank that will lead to trouble later.
0.14	H getting cramp in her hand. Tries working left handed for a bit but can't get it to work, so goes back to right handed. Scraping - not enough travel.
0.19	H swaps tool to see if it works better. Still scraping it across surface of the bowl on down stroke. NW finding it v hard not to say anything. H asks how he gets around the corner. NW suggests moving the tool rest. We struggle with the big hammer for a while then have a break. H looks at sheets.
0.23	[no sound] H is still struggling and swapping tools. Now with handle up on shoulder, but still at wrong sideways angle. Problems with tool rest slipping on nail NW put in - manage to whack it through another hole in rest and make it firm.
0.27	H decides that being a bit higher might help and we put the second block on. Still same angle problem and dragging tool across surface on down stroke.
0.29	H swaps tool. Still same problems
0.33	[sound returns] NW suggests H makes tool cut a bit more aggressively by tipping it up. H confused as to whether I mean twist or up and down. H still scraping away. Now has huge step to deal with.
0.38	NW intervenes to try to get better cutting action to make it rounder. H still scraping.
0.39	NW tries to get her to move sideways. H says yes and tries but has such a large step that it makes little difference. Still dragging across surface on down stroke.
0.41	H struggling. NW suggests she starts higher up the bowl "and just go slowly down". H does start higher, but moves down too quickly and angle still wrong.
0.43	H trying to explain what she thinks her problem is - NW just says "mmm" - doesn't really understand

0.44	H stuck - tool's twisted around - then "that way" having worked out what's wrong
0.45	H says she has an awfully big flat bit there. N says its difficult to know how to deal with it. H tries left handed for a bit then starts hacking at it right handed. Her angle is now better, but she now has a huge step to deal with.
0.49	NW says how difficult it is to just watch without making suggestions. Then suggests H holds the tool higher. H says its just that she hasn't found the right angle yet. Big lump she cant get around NW suggests she just gently skims it off
0.51	H finds a more even bit and starts to turn well. Still a bit scrapey though. Now she's down by the rim the angle's better.
0.55	H getting tired. Tries swapping to L hand, but sideways angle all wrong now and it doesn't cut well, so swaps back and grinds on.
1.00	NW explains basic problem is that tool's sideways angle is always to far to left, so tool is always cutting straight into wood. H starts again - NW encouraging and saying if you can find a place you can follow then you're away. the problem is that the blank is now very uneven, but H does comment "Yes, it's a lot better".
1.04	H asks is it getting better. NW says yes definitely, but it's still a bit steppy which is because she needs to keep her angle a bit wider. Body posture? RW stands much closer to the lathe. More upright too. Hands closer together. Closer to lathe gives more travel on treadle.
1.13	H stuck on a difficult bit NW suggests running it down from higher but H says she's tried that.
1.15	NW suggests that H holds the tool higher close to the rim. H says it makes the tool cut more aggressively. NW says maybe that's why he does it! H tired so we take a break and look at sheets.
1.16	H trying to remember which tool. NW reminds her about her angles and says it'll help get rid of the lines. H says it puts them in, but part of the problem is that the blank is now very uneven. Some confusion over NW's term "back edge of the tool" - need a vocabulary for describing the bits of the tool.
1.18	Lathe has a squeak NW finds some oil for the mandrel.
1.23	H concerned that it's really messy in one place. NW explains that this is the difficult quarter where you are cutting against the grain and even Robs bowls often have tear out in that quarter.
1.31	Still hard going, but when H goes back to turning towards base she does use a greater angle. H looking tired - tries changing tool, but finds it's not good. Tries another. H "quite nice because it's go a big flat bit on it" Turns for a bit with it, then says "not sure about that one either" and tries another.
1.35	H is dragging across the surface of the bowl on the down stroke again. H "It's very weird" NW comments that it's not good as it's making the bowl not round. Some discussion of what the diagrams on the paper mean. H had though she was supposed to move up/down or sideways during cut, not as progressed along bowl. NW explains and tries to find a clip to show, but it's explaining the twist action. Instead runs distance clip and talks over it.
1.40	H back at lathe having a go again, but blank very uneven and v difficult. H's left handed problems too. NW still having to tell H what to do - she still hasn't got the point of the sideways movement.
1.43	NW fixing tool rest position for H. H grinding away badly - not spinning it but trying to think about how she'd seen RW on video.
1.46	NW suggests moving down too fast - says it's key to getting a more smooth finish.
1.47	NW again has to get her to adjust the angle of the tool, but H struggling as there's a big lump and can't hold the tool steady at that angle. H talks a bit about what she sees in the video and how impossible she find it to do.
1.49	NW encouraging H to get more travel as she's maybe compounding her problems by

	not going all the way around.
1.54	H pulling a face and twisting the tool around. NW suggests that as its pulling underneath she might be better cutting a bit higher up. It's starting to cut a bit better, but still sounds a bit rough.
1.56	H stops to look at the dodgy bit by the base. NW suggests that she'll need to loose a bit there to make a flat bottom, so just to concentrate on the rest.
1.59	NW points out H's not going all the way around again. H starts treading harder.
2.02	H pauses NW "any better?" H "no, I've got this huge lump here, but it's moving out..."
2.04	H "I think I'll stop. It gets very boring at this stage because you don't really feel that you can thin it off any more. And it's difficult to do it any slower. If you could do it slower it would be better because you could see what you were doing a bit more, but if you do it more slowly you don't get such a good cut because it catches"
2.05	Back after break and review of materials. H trying a new tool - she reckons it feels sharp. Struggling with it and making small noises of panic. Has good stance with fist on tool rest and other hand at end of tool. Still a bit wobbly though.
2.09	H saying legs tired, but NW thinks it's cutting well and doing well at reducing bumps.
2.10	H "it is sharp - it's much easier to do that with the sharp ones" tries treading with the other leg for a bit.
2.14	NW encouraging, saying it's turning much better now, but still some lumpy bits causing trouble.
2.17	H "oops, I'm putting more bumps in now, I should have stopped"
2.18	H has bad dig-in NW asks why it happened and H says its because she had twisted it too far. NW says it looks as if twisting it a little that way helps H says yes but if it goes too far it catches.
2.20	NW suggests H tries to reduce the base a bit and gives a brief explanation of what she thinks she should do. H tries cautiously.
2.21	H "and then you have to make that bit flat then"

## Tape HS2.2

0.00	Turning across base - changes tool - back to previous one as it was sharper.
0.02	NW suggests looking at some video - H seems keen. H comments he's going inwards - working from edge to centre. Then goes for tool "with big flat bit on it".
0.04	NW suggests that she could also use the tool with the hook pointing downwards H "how?" the tool is only sharpened on one side. H cutting fairly well - decides its ok and will have one more go at smoothing side. H comments Giles' bowl was quite smooth on the outside - NW reassures that he had Rob there to get his angles right as he was doing his finishing cut.
0.09	H "OK, I'll just try to get this rough bit here" NW suggests trying the little sharp tool she had liked using earlier - some discussion and H finds it but says it's dangerous because it takes chunks out more easily. "You only have to turn it that little bit too far and it puts a whole new step in" but confesses it is the best tool.
0.12	H decides its still a bit rustic but she'd like to start on the middle. First we have to turn it over and NW spends a while setting it up.
0.15	Watching video H "It's weird that he works inwards - I instinctively want to work outwards" RW on video explains about cutting down the grain. NW points out how he's holding the tool on the tool rest.
0.20	Watched the video right the way through. H wants to watch the first bit again and takes it back to the beginning and watches until he starts to clean the rim up. Starts to treadle and finds that the treadle has fallen apart when we turned the bowl around. We spend some time fiddling with it all.

0.23	H doesn't know what tool to start with - she picks one saying "I don't remember" NW says she thinks it was a big roughing out tool he used.
0.24	H says she can't be sure what angle it was. Then more treadle problems.
0.26	H starts again. It all feels a bit wobbly - treadle still not right - NW tries again.
0.28	H is holding the tool at quite an acute angle to the flat at the top of the bowl - surely this should be more parallel now? H comments "It's really difficult working out the tools again".
0.30	H asks why he smoothes across the top before he hollows NW doesn't know. H says maybe he does it to make it easier to go down.
0.32	NW reckons it looks pretty flat. H swaps tool and tries to work out angle to use it to tidy the rim. H looks at video to find angle and where on the bowl to start to cut. Changes tool again.
0.35	Not working well H tries L handed, then L handed with tool on shoulder, then with it sticking out way over tool rest support.
0.37	Treadle problems again - NW does another bodge. H can't remember which tool. Goes back to holding tool in more regular way.
0.40	H decides that she's not doing very well with the edge and she'll just leave it. NW points out that the bowl is not spinning right around which is why she's getting the bits sticking out. H says yes, it's because she's leaning because she's tired.
0.41	H starts to hollow. "So, he'd got it ... down here somewhere wasn't it?" Starts cutting well below the rest. She struggles for a bit the swaps to the big hook. The angles not right and it sounds like its scraping.
0.44	H "where does he start turning it upside down? Lets have another look at the video" We look at him using the tool with the hook pointing downwards and look at what is double-edged and what isn't. H goes back to look at the video again. Then tries to copy "Weird, but it works though". NW talks about him using them either way up and just swapping over when blunt.
0.46	H "It's difficult to find a bit where its less aggressive. You don't want to turn it that way."
0.50	Swaps tool again. H comments "I think hacking was more appropriate than stabbing"
0.53	NW comments its working nicely H says its starting to go. H swaps tool again NW suggests using the other way up, but H wants to continue as she has seen. Then swaps tool again.
0.57	H trying different up and down angles to get the tool cutting.
1.00	H has good hold of the tool and rest and is holding the handle where it joins the shaft with finger pointing down like Rob does. H comments that her favourite bit is working down the core NW says its just because she has found a good angle and that she hasn't done so yet with working towards the core. NW suggests a different angle by moving the tool to stop it digging in so much. H tries different things whilst talking about it.
1.02	NW talking about twist angles and finding it hard to relate it to how we've had the tool cutting on the outside. NW suggests turning the tool over. H tries with a different tool. N thinks its scraping, but H thinks its right.
1.06	NW reminding H to keep an eye on how thick the bowl is so she doesn't go through the side as its cutting well.
1.08	H swaps tools again - complaining that tools are feeling too heavy because her hands are so tired.
1.10	H having problems cutting in bottom, NW suggests it might be the big tool. H carries on a bit then looks for another tool. H tries swapping legs as her right leg is dead.
1.13	NW suggests that she tries to smooth the side before hollowing any more before it gets wobbly, but H can't get the right angle or can't hold the tool still enough.
1.14	NW refs back to the video, but H not really interested and wants to carry on. NW

	looking at different tools, but the ones which look the same are all only sharpened on one side and H doesn't want to use it that way up.
1.19	H starting to struggle - can't get tool to cut in the bottom - not taking out much wood. Stopping more frequently and turning slower.
1.23	RW arrives. H says "It's not very smooth" RW "No, but getting it smooth is difficult but you have been chewing big shavings out." RW says she's done really well down the core and offers to show her how to cut down the inside of the bowl.
1.24	H and RW discuss tools. He shows her the two he would use and she says that they're only sharpened on one side. He says this is OK and they swap places for him to show her. R comments that the way the drive cord is wrapped around is not good and is restricting the travel - he corrects it and gets a knife to trim the cord. NW suggests H might prefer to do it herself rather than have RW turn the bowl, but H OK, she just wants to get it finished now.
1.26	RW explaining how the tool cuts and which bit of the tool cuts. Then turns slowly so she can see and shows it in a couple of different places. RW offers to tidy the rim and H is happy for him to do so. R: You need to hold it low down, like that, down there, ok? H: Right, so it's virtually underneath then. R: and then looking at the edge of the tool I'm thinking that I'm always using this corner of the tool not the bottom. It's kind of this corner or this edge (holding the tool out to show her). So I'm holding it this way so it's sort of slicing as this spins, so it's sort of a slicing cut. (starts turning, then does a bit quite slowly) See how that works? You can do it a bit further down if you want to. It works similar down there. H: so most of the tool is kind of hugging the side of the bowl. R: Yes, the side of this (the tool) is kind of pushed against the side of the bowl or just touching, its not pushed against, just touching. And I'm holding this steady here (tool on rest) and I'm swinging this through a pivot so I'm effectively swinging this through a pivot that will sweep along the edge of the bowl and swing up towards the base like that.
1.29	H comes around to have a go. RW tries to fix the treadle again.
1.30	H "so, like that?" RW gets tool and puts it at correct angle and moves it through the sweep for her - encourages her to get some speed up. H goes to shout at the dogs.
1.32	RW asking her if she can push it down to the floor. RW showing her that she has been doing a scraping cut and showing her how to get it to cut properly (tape runs out - pause whilst change tapes)
1.33	R trying to get her to stay on the step and not move so rapidly down the bowl. R corrects the twist angle as it's cutting too deep.
1.35	N asking if it was useful having R there. H says yes. N commenting that it looks smooth now - H says its because R did it!
1.39	H turning slowly and not very effectively. Swaps tools and starts to turn better, but still moving too rapidly over surface of bowl, so not getting a smooth finish.
1.42	H starts from the rim again to do a last cut, but its still pretty uneven.
1.43	H "I'm sure I must be holding it at the wrong angle ... yes"
1.46	R comes in says wall thickness is good and explains that the next thing is undercutting the core - either he could do it on the lathe with a little hooked tool or H could do it off the lathe. H says she would rather R did it as she doesn't want to risk breaking the bowl. R does it and lets H snap it off. ENDS.

9.2 Clog making: 23<sup>rd</sup> July 2005 Museum of Welsh Life [JA2]

	Tape JA2.1
0.00	J is sharpening his hollower and talking about lasts, compensating for modern feet being much broader than 1950s feet. G is using the rebate knife.
0.01	J talking about the effects of sharper knives on G.
0.02	J says the hollower is the easiest knife. NW or the easiest part of the process? J says it is quite an easy knife to use.
0.04	J talks about Gs knife not being as good as Js and blacksmith versus mass produced blades.
0.05	J smoothing the top of the sole with the curved knife. Then J talks about getting in a mess with one of Gs knives which they couldn't get sharp because it was made with a softer steel. J is scraping the hollow with a twca-cam. G gets the blade out and they talk about the angles. At first it wouldn't cut at all, then they worked it out. J is now sitting marking the high spots on the soles to make them match (we talk about it). He says he made that pair in about 10-15 minutes.
0.09	J has 2 pairs to make. G talks about problems he had had yesterday and using a piece of leather to protect them as he's cutting. They talk about how they both react when they mess things up and about throwing things away and starting again at the beginning.
0.11	J saying he's balancing them. Then talks about being at a show at the weekend and finishing with a surform. Mentions after talking with Rob he's thinking about leaving a tooled finish. Then says about the wood cracking as he was working because it was so hot and dry. Recommends rubbing beeswax into the heel to stop them cracking. Says cracks in heel don't move forwards. A crack in the toe will go right to the heel because of the tension caused by walking. Use of superglue to hold stuff. N says Rob had same problem at his show. Talk of humidity and weather.
0.14	J and G talk about G's inability to spit. J spits on his blade to sharpen it. G has to get a cup of water. N asks if he can just use the water or if he has to swill it round his mouth first. J reckons the sugar in your mouth makes a difference. J is drawing around pattern on top of sole.
0.15	J says customer wanted heavy sole. Many old ones were very thin. Sometimes it was a deep rebate. G thinks this will be needed for dancing clogs. N asks if it is so they look like shoes. J reckons they had work clogs and best clogs and the best ones wanted to look finer. G reckons he'll make dance clogs which will need to look fine.
0.18	Discussion of Walkleys Clogs (Hebden Bridge). J says they used sycamore for a while, but gave up on it and he reckons this is because it blunts the blades. It doesn't matter with hand tools because you sharpen them all the time anyway. Talks about it being a sterile wood [cutting rebate on clog]. G agrees it doesn't stain and has no taint. J talks about his theories about sycamore bowls and water content. Also about making green timber ships. He thinks the salt water will preserve them. This is why he thinks they used sycamore for clogs...  J (discussing Walkley's clog factory) "I rang them up actually, or I went to see them about something, whatever. I said what are you using and they said oh, we're using sycamore and I said are you getting any problems with it and they said oh no, it's

	<p>great. Within a year they weren't using it any more because it blunts the machine tools. It picks up a lot of silica in the ground, pulls it up through and buggers the blades. Well, it doesn't matter with a hand blade because you sharpen them all the time. That's why it's not used for machining. It's got a few uses. End grain, it's used for butcher's blocks, apparently it's a sterile wood. I don't really understand what that means. It seems to prohibit the growth of bacteria. G "If you've got ... with sycamore it doesn't taint the food or anything ..." J "No, it's got no stain, no taste, which is why it was used for all dairy bowls. All the nests of bowls I think were down in West Wales and I think a lot of them were with dairy equipment. Because, I think what happened, well Rob would probably know about it way better than I. My theory is that they cut the stuff green, they went off to market, they went back into a dairy again, they got washed down twice a day, the water content is probably the same as they were green. So, what's the point of doing it dry. I mean if you're doing it dry and it gets full of milk and cream and then it gets washed out and its in a cool scullery then probably its water content is very much the same as it was as a tree. It's a bit like ship building. I think they probably built the ships in green timber and it dried out as they were building them. Down in Essex they were building them, you know building something like 15 ships from one dockyard in a 10 month period. They always had 2 or 3 on the stocks, I don't think they were using dry timber. I think they were using green. They just went straight ... you know ... once it's gone on the water with all the salt in it, its always got moisture in it and it's back to pretty much how it was when it was a tree. So I'm not sure about this, but I suspect that was the case. So I think it was all ... a lot of the welsh made bowls were made for the dairy ... that's why I think they used sycamore for clogs my theory's been that they ..."</p>
0.21	<p>J breaks off ... this is tricky ... he is cutting with the rebate knife across the toe. G says that was why he had the leather on his bench.</p>
0.22	<p>J goes back to his theory on welsh clog makers using sycamore, then breaks off to say is that alright and look at his clog. N asks what he's looking for and he says he has gone a bit low but it'll be alright. J goes on again about the cross over from bowls to clogs. Sycamore is the only clog timber you work green. All the others work dry. Peripatetic clog makers going from farm to farm. Talks a bit of the village structure in rural Wales and how its linked to agriculture.</p> <p>J "I think that because they used sycamore for quite a lot of things in ... they knew how to work it. They used it for bowls mainly, I'm sure they were working green. You see all the other woods that you use for clog making you work dry. You don't work them the same way as sycamore at all. Well the same way I use it and I assume that's how they used it. It doesn't work any other way. I know through inference. From what ... from the ways that the trade was purported to go they had to be using green timber. They go from farm to farm, the peripatetic clog makers. They have a wheelbarrow or hand cart or something, they just drag it behind them. They just wander from farm to farm making clogs. Now the lady who told be this story told me they used to go to a farm, stay for a day or two, make everybody's clogs and go onto the next farm. It'd be a family of people, it would probably be husband, wife and children doing different things. N "So somebody would be doing the leather, and somebody would be cutting the soles and all the rest of it? J "Yes, they'd do fittings, they'd sort it all out, then onto the next farm. You haven't got big villages up in Wales because you haven't got crops, you've only got big villages where you've got crops, that's why Wales has got a lot of villages that are basically just three houses and a chapel. Unless you get together for harvest there's little point in having a village. You've got to go further out to the land to work it. It's normally based around</p>

	<p>a mill. And it's also based around the social get together of everybody harvesting fields. If you haven't got that the village structure is completely different. ... So anyway, I think they cut green sycamore for that and as craftsmen always talked to each other and always have I think that's how they came to use sycamore. There's no recorded instance of it being used in England. It only ever seemed to be used in Wales."</p>
0.24	<p>G says they used green sycamore to make the table in the castle N what period was that? G about 1900 it's supposed to be. G talks about it competing with ash and being resistant to salt so they'll grow near the sea. Copes with short growing season - been told it grows on Skye - have to cut it back once.</p>
0.26	<p>J so that ... so is that good enough ... no it isn't. When I started there was no record of people using sycamore, but goes on to relate someone who works at the museum's father says he used sycamore (over Carmarthen way). J goes on to talk about it being a S Wales, Pembrookshire think, not in N Wales. (Thomas James is from Tregaron, Ceredigion.)</p>
0.28	<p>[J using rebate knife] Talking again about the cross over of knowledge with bowl turners. Talks about when he first started (using alder) - rough cutting green - stored on N side of stream, under cover against a wall on rack for 5/6 weeks - then finish it. If you didn't it'd crack. This was why he knew they couldn't have been going from farm to farm using alder, it must have been sycamore. J only started using sycamore because Thomas James used sycamore. Talks about his early experiences of sycamore and how he can tell what timber old makers used by their knives. TJ's son said 10 years ago that he was very particular about the profile of his knife. J has his hollower and it doesn't work. Instead he used the twca-cam. J talks about what his knife wouldn't do and how you can tell from his clogs. He had a good rebate knife. He bought in his blocker because it has a laminated blade which is very difficult to make.</p> <p>J "I've had other clog makers say to me you can't work it [sycamore], it's too hard and you're going yes, because your trying to work it as if it were a substitute for alder or birch. When I first started, what we used to do was we'd go out, we'd cut a tree down, we'd come back, we'd rough cut it and when you ... we'd leave it on the north side of a stream, under cover against a wall. I mean you couldn't get a damper place. It would be left there in the air to circulate on a rack for 6 weeks, maybe, at least 5. If you didn't do that it would crack on you. That's why I knew this story about them cutting alder clogs and them going from farm to farm was complete rubbish, you know, it couldn't have been that timber. I thought the story was rubbish, because it didn't work you know until I started using sycamore. I only started using sycamore because Thomas James started using it. He used it and after I'd been to see him I thought I'd give it a go. It was much, much harder to cut and the tools that I had basically didn't want to cut it. The profile was wrong. Quite often you can look at people's knives, you can look at old knives in museums and you know what timber they were working, or at least what timber they weren't working by the profile on the knives. Because they are quite often rounded off about 30-35 degrees at the tip and they won't go through sycamore." N "But that would cut alder?" J, "Yes, yes, that would cut alder. I mean Hywell's knives were always that profile. A lot of the old ones you see are the same as that. Thomas James son told me when I went up there about ten years ago that his dad was very, very particular (anal would be the English word) about the profile of his knives. He had to have them absolutely ... you know ... well ... Well I wanted them and actually you know his hollower was always wrong." G "It was , wasn't it... that's it by here" J, "It was never right but that wasn't</p>

	<p>his fault. It was not because he was putting the wrong profile on them it was because I was wrongly made." N "Yes, I remember you telling me about that last time ... mmm ... that's just never going to work" J "Not properly, no. His son told me, oh he did an awful lot with the twca cam and that turned out to be because the knife doesn't work." N "Oh, that's the curved spoon carving knife thing." J Yes and what that won't do is it won't do a sweep right down through here [running his finger down the sole of the clog he's cutting from heel to instep] But if you look at Thomas James soles they are ribbed. He is taking little cuts out all the way down like this because the knife won't sit and do a push. It will flick out all the way and then they just did ... they scraped across here [indicating ball of foot] and they scraped across here [indicating heel] And you can see the rest of it when you look at it and you're thinking well ... it had to be the knife. But his rebate knife was good ... it was better than this and it was a blacksmith made one, but it was good. But his, um, they used to buy in the blocker for reasons which we've found out, because they're very ... because they're laminated." N "So that's a difficult one to make." J "According to Andrew it's well neigh impossible." N "Well it's skills that are gone I guess." J "Well it's skills you'd have to develop by doing it. You wouldn't do it as a one off."</p>
0.32	J relates the discussion with the blacksmith at museum about laminating steel. Then talks about hippies importing foreign craft work whilst working with rebate knife.
0.35	N asks if it needs to be at a right angle (rebate) G explains how it should be and options. J talks about making adjustments to the rebate if the clog is a bit tight.
0.36	N asks about lasts for G. J says he is still trying to negotiate for them without letting on that he really needs them or they'll get too expensive. He wants J to take a load of stuff he doesn't want. J won't say who it is, just that its "oop north". He'd had a load of stuff off them already and is under pressure from his wife to get rid of the rest. J is telling him that he is the only person who'll want them. If that doesn't work then G can have J's second set which do not have such a good profile. J using rebate knife to tidy up.
0.37	0.39 J rummages in basket and comes out with two lasts. Starts telling N about them in a fairly authoritarian way. Some are old ones which have a good curve which is good for hand cutting but wouldn't fit a standard machine cut sole. The others J had made up for him by a shoe maker with a grant he got years ago. The problem was at the time he didn't know what he was after and had them made up wrongly (this was before he got the old ones which he bought second hand at £5 each).
0.41	Talking about old man Walkley cutting costs. Showing Maud's sole, they were bought out by Walkley. Shows with putting flat last onto curved sole. Flat soles can be good for people with arthritic feet who don't want their toe turned up. J only thinks in curved shape because he's made so many. Automatically cuts to shape of curved last. Can't cut to flat last.
0.43	N asks if he could get another set made. J says there is nobody left making them now. Those were made by Bob Witton in Northants but he doesn't make them any more.
0.44	Shows sole he's just cut with last and reckons its ok, nearly but not quite right. Normally he gets them a bit better than that.
0.45	N asks if he will do any more before getting the customer to try it. J says he will probably anally fiddle about with it, but in reality he ought to just leave it there. Will chamfer edge at 45 deg then put leather on. If its slightly proud he'll put a little shoulder in like a peasant made pair from Gallethia (N of Portugal). They had really bad knives, but were still quite quick.
0.46	J working out how long it has taken him, reckons they have taken an hour and a

	half, but he's done lots of chatting. Probably should have taken about half that. Relates discussion with a peg maker talking about how long and how much. He reckons the old makers who made lots (20prs) in a day were buying in blocks and had apprentices helping.
0.49	J flattening face of log with blocker. G relating Trevor talking about Luther who claimed to be able to make 18 pairs a day. J reckons that means he was using machine cut soles. Thomas James could make 3 pairs a day from start to finish. J reckons he could make 3 pairs in a twelve hour day. N relates claims about Lailey and the number of bowls he claimed to make a day.
0.51	Geraint Jenkins asked a lot of questions but misinterpreted the answers because he didn't understand. If he was a craftsman he would have known what questions to ask. N have you drawn on that block before you cut it. J no - this is what they used to do in the woods - blocking out. it would have been much quicker for them working in alder. Should be working in thinner bit of wood.
0.53	J has never actually seen the blocks they cut, just photos. They had 3 sizes, men's, women's and children's. Shows block as he thinks, G has photos. They haven't cut a heel.
0.54	G fetches a sole over to J who is very impressed and praises him. Tells G where to take more out. J says yesterday they were really struggling, but today what G has been doing on his own is brilliant.
0.56	J carries on cutting the sole. says he has made a bit of a mess, but that's how it would have been. J and G talking about spoon makers.
0.57	The bit of wood has squirrel damage so it's no use.
0.59	J's lost his Stanley knife. N chatting about fishing.
1.00	N says she's going to do a video of out-takes of J looking for things. J talking about hippies moving out to the countryside. G talking about seeing documentary about homeless people. J is trimming the rebate with a Stanley knife.
1.04	J says to G he made a really good job. Has to be careful on the second one. If J hadn't been there it would have been fine. It might have split if he hadn't angled the nails well down. G says he found using the Stanley knife easier today. J talks about Stanley knives and relating them to other random stuff.
1.09	Tape ends
	Tape JA2.2
0.00	G talking about budget problems with the museum since free entry has come in. Discussion of Welsh assembly.
0.02	G cutting with the rebate, J still with Stanley knife. J talks about what he's doing and is it worth it. J has always tried to make them as well as a shop pair. N questions this and says she thinks tool marks would look better. J thinks the person who wants these has ordered a more finished pair. J has done stuff like that for the re-enactors, but not many of them use clogs. J reckons there are not many old pairs about as they ended up in the fire. N relates it to bowls. J talks about shows he did with RW.
0.06	G is using a piece of leather to protect the clog as he's cutting the rebate. J still going on about shows. J & N discuss a mutual friend.
0.07	J balancing the two clogs. Previous day had spent mostly doing 'second fix' changing stuff that ultimately can't be seen. Relates this to the building trade and his brother's work. Still fiddling with Stanley knife.
0.10	J bemoaning the questions public ask at shows. He is trimming around edge with blocker. Many of the shows he does just make their money on the gate and the quality isn't good. J asks about Waterperry where N has just come back from.
0.12	J talks about Roy Walkley who is son of Walkley's clog man (he wanted the

	business but his father wouldn't sell). Talking to a customer saying the clogs would last years - customer says she's not interested, they'll be out of fashion in 3 months.
0.13	J still trimming the edge - talking about shopping centres. N asks what he's doing. J says he is picking his nails. He is doing more knife work now so he has to do less finishing later on when the leather is on.
0.15	J check thickness of leather and put 45 degree chamfer on edge. Undercut on instep to make it look less lumpen, makes it look more shapely. Talks about difficulty of cutting blind on one side. Looking at angle on heel, rolling around to get a smooth curve. Better than they used to be. Can't do if wood is dry - won't roll on heel.
0.17	Talking about Rick Rabiki who worked dry (alder?). Comparing two soles for differences then taking bits off to make them similar. J says it's not cost effective as it won't probably be noticed once they are finished.
0.19	Chamfer in instep. Thomas James didn't do that because he was working to a price. H did it (asks G did he teach you it? G yes). Thinks it's finished and comes over, but it's still not quite right.
0.20	Pencil test and marks on high spots. Should have got that right before he did rebate. Puts curved knife on and hollows a bit more. Relates to a French clog maker who cut a pair of soles in 40 minutes but spent another hour hand finishing.
0.22	J this is a dodgy cut where you can hurt yourself. Checks on last -doesn't like the last, not quite right, need to drop the inside. Spits on last to show high. J shaves off high spots.
0.24	The last is knackered, but it'll do (he's lost something). Discussion of making resin moulds of lasts and casting new ones.
0.25	J used to follow lasts slavishly, but now he's realised he can make better. Puts them together with pattern to dry.
0.26	J sawing piece off log. Discussing with G accommodation at the museum and tin huts. J asks to cut it from the video!
0.28	N asks about adapting after drawing around somebody's foot. J says he can do it. He cuts through the log and swears, there's some rot in the middle and he's not sure how far through it goes. J has very nice new axe and he's very pleased with it.
0.29	J talking about somebody who wants 100,000 tent pegs. J splitting log with mell and axe. J says he could make the pegs, but not geared up for it, it'd take a lot of ash.
0.31	N asks if the rot will come out. J says yes he'll do what G says and take it out with the toe. He talks about how he'd usually cut the sole from the log, but he's having to adjust it to get rid of rot.
0.32	J talking as he's working to explain making it level - has been trying to get into G that he needs a good base line to start with otherwise you are always correcting. Fetches log over to camera to show how he is putting the pattern on the log to make best use of the wood.
0.34	J has lost his pencil. G finds it.
0.35	J draws around - talking about chippies pencil. Brings pattern over to camera and explains how he's made it from drawing around the foot.
0.37	J cutting aggressively around the edge. With alder it'd be half the no of cuts. N how old is the timber? J and G work out it was felled a few days, but inot got very much sap in because weather has been quite dry. Talks about where he gets wood from and the sycamores around his house sucking the stream dry in the winter.
0.40	J talks direct to camera saying it looks too tight but it'll be ok. Cutting from toe to centre and talks about twist action to break grain. Cut from heel to centre talking about it. J thinks he always does a right foot first.
0.42	J it's on a twist now, don't want to loose any of the height at the toe ... that's levelled it out.

0.43	J done all that and not checked it against the last. N to G do you check more frequently. G yes. J talking about thinking that shape.
0.43	N What did G find difficult that you thought would be easy and what did he find easy that you thought would be difficult? J says G had a lot of difficulty with the Stanley knife before today. G explains how he has learnt to use it and J talks a bit about it. J hadn't realised that he had learned so much about the knife, just gradually developed over time. G used to carve love spoons.
0.45	J cutting roll on base. N what did you think was difficult that he found easy? J says the knives. G had had a lot of practice with bad knives, so now J has got them ground correctly they seem very easy. J says he has the equivalent of about 4 months practice with the knives. His concern is that G should fall back on his old habits once J has gone and he wants to keep a watching brief.
0.48	G shows some clogs he had made before starting with J. J says it shows that he was keen. G critiques the clogs and says J's are more graceful. G was using veg tanned which is thinner and stiffer.
0.50	Discussion of hand stitching and demos.
0.52	J tidying around the edge of clog. N & G discussing interpretation in museums.
0.53	G says they have video footage of Thomas James at the museum.
0.55	J shows the final clog sole and we look at it together.
0.56	J goes over to look at Gs. Tells him quite firmly where it isn't right. It's got to look right as well as matching the other one. Actually it's very good. Yesterday I thought he'd take a week to get it right and he's got it right in a day. Lunch break.
0.58	J nailing upper onto sole - stretching sole that is too small for somebody. G is standing watching. J talking about potential problems he could have and how he's going to deal with them.
1.02	J has run it under the tap to heat it up and make it more stretchy. He comes back to work more on it and G comes over to watch again. J talks theoretically about how to deal with different problems to G.
1.05	J looking closely at Gs soles on a board and marking them with a pen where they need trimming. J moving them around the board because it's not flat. N suggests he should invest in a new one. J mutters no.
1.08	N asks G if he'll get some days to work when J is not in. G says it depends on general staffing on site, if they have enough people to cover elsewhere.
1.09	G using hollower. N asking him about it. It has a separate blade. Useful as G is left handed. It was cheaper to make them like that.
1.11	J going to cut and dye a welt. N asks if it's the same leather and J says it is thinner.
1.12	J watching G with the hollower. J says this was traditionally done in Wales with a twca-camb. J talks about the potential injury you could cause somebody if they were wrong and the need for insurance.
1.14	J gloving up before dying leather. Jokes about medical cabinet and h&s. They talk about injuries they have given themselves.
1.15	N looking through G's photo album and asks who's who. Thomas James? J says he was the last Welsh clog maker he met. He met one in England up at Caulbeck [??] who was Strong's dad [??] did it in the 40s until he found out you could buy soles. So he never got particularly quick at it because he wasn't doing it for long enough. Thomas James did it for his whole life, or until he was in his early 70s. I don't know exactly what styles he made, but the two styles I saw there were a boot and a Welsh slipper. I don't know he made anything else. N these pictures are dated 1961. J says he quite like to go down there and do a show. He doesn't know if there would be anyone left who would remember him now. G says The pictures are from the museum's archive. N asks if they are taken in his workshop. G says yes, the

	contents were offered to the museum but they didn't want it.
1.17	N talks about how Laileys stuff in the museum in Reading and it got RW started.
1.18	Did TJ make good clogs? J yes. He knew just what he was doing and he was a particular man. He talks about solid lasts and how they were used. [Good shot with J & N in the picture talking]
1.22	J looking at the straight last and explaining how to get a left or right foot.
1.24	J talks about toe problems and the advantage of the duck toe. Then talks about Thomas James didn't nail into the last but used a thread to draw it in. It means your last will last a lot longer.
1.26	discussion of hornbeam. J uses sprung lasts and it is more reliable to get a good fit.
1.27	Asks G how he's doing. G is worried about something. J says don't worry about that, that's more worrying.
1.28	J says he has never met anybody who used solids, only Thomas James. He can't remember where he got his lasts from. J talks about being given stuff.
	Tape JA2.3
0.00	J and G discussing some clogs that G is going to make and how she wanted the uppers. They are for Debbie, G's partner.
0.01	J rummaging amongst his patterns looking for one. J has hundreds, need a different size pattern for each size shoe and each style.
0.03	N asks how he got started with them. J says he copied many of them from museums, the others he's drawn himself. He shows a nice design he has copied from an original. G is going to copy all Js patterns. J is going to get some thick card.
0.05	J & G had been talking over lunch to somebody from the museum who had brought his father in who used to be a clog maker. J had quizzed him about timbers and he said he used sycamore not alder. G is using one of his knives
0.06	J carefully trimming sole. General discussion of vegetarianism, meat eating etc.
0.09	J says you haven't seen me do this - this is a bodge. It's the pair he did before lunch and they are not quite right. The 8 last is in another clog, but it doesn't really matter as he largely does it by eye.
0.10	N so that's trimming up to the line. J more or less. Probably shouldn't be doing this much. Should be making the other one now. Explains that G was taught to make one then the other, but you never get the balance right. It is much quicker to take them down as a pair.
0.11	Discussion between G and J about Debbies shoe size. J says the pattern comes from the first pair of clogs he ever made for someone. G worried that last isn't sitting right. J reassures him that it's ok. [good shot of the two together]
0.14	G looking at leather and checking which way grain should run. J looking for thicker leather for back. J showing how to cut out wasting as little leather as possible.
0.16	J flattening face of next log whilst talking about being a celiac.
0.19	g asks if it's ok before he cuts it out. J wants him to turn pattern, G resisting. It's ok.
0.20	J returns to flattening face of log. Goes back to talking about his health etc.
0.21	J puts pattern on and there's a problem because of the unevenness, but he moves the pattern over and gets it in. J talking about friend 'Reg the wimp'.
0.23	J cutting around the edge, says that's very close. N asks too close? J no, it's about all right. Starts cutting around aggressively.
0.25	Cutting from toe towards centre.
0.26	Turns it over and cuts back the other way. [good long quiet clip and before and after]
0.27	J twists his wrist and it hurts.
0.28	Puts the two together to compare

0.28	G calls him over. J feels there is a lot of waste cutting from where he is. Move it over, but not too close to the edge as the hide is a bit thin. J not happy with the quality of the leather he's been sent - ordered it over the phone.
0.30	J has both soles together and is marking them up for where to cut the roll and heel. J asking about the show N does with RW.
0.31	J sawing heel then cuts heel with blocker. J talking about friends who make Gimson-style chairs.
0.34	J has soles side by side, takes one back to cut more from top and compares again.
0.34	G says they are done. J says he doesn't need to put a stiffener in because she has such a small foot. They discuss hand or machine stitching. G does not have a machine and quite likes hand stitching.
0.36	J says to take the other out where he told him.
0.37	J has lost his pattern and is walking around swearing. G finds it on the bench.
0.40	J comparing soles and swearing. They were made of cherry and have shrunk badly. He puts a towel on the bench before cutting them flat as he's worried about marking the leather. It cuts easily, but dry sycamore is really difficult. G tried to make spoons from dry cherry and found it really difficult.
0.42	G so this goes underneath the back? J (without even looking up) agrees.
0.44	J still cutting underneath of cherry clogs. Random talk about awkward tourists.
0.45	J ideally I should have done this before I lasted them up ... G asking about chamfering the leather. J says no, just run an edger along the top side. I don't want it chamfered, the transition never looks right. G fetches it over. J says you need a brand new Stanley and goes into instructor mode, we joke about so many skills with a Stanley. J talks about demanding genuine Stanley blades, which are more expensive but better.
0.48	J that's close enough ... still not flat, rubs them on the floor so the dirt shown on the high spots then cuts them off.
0.49	G asking for help again. J goes over and tells him.
0.50	Takes blocker off and puts hollower on to take scoop out of underside of sole so they won't bow if they shrink more.
0.51	J says he will put the welt on at the show.
0.52	Goes to G and asks for a look. Comes back with pattern and offers it up to sole. J puts blocker back on and cut a bit more off top of sole.
0.54	J compares them again, drawing on high points, then trims them again.
0.55	Discussion of what colour Debbie wants her clogs - purple. G needs to mix red and blue. J rummages around for them, has dye on hands and it's getting everywhere.
0.58	J says purple or mauve? G hasn't a clue. J goes over and tells him what to do, plenty of red and a tiny touch of blue. G is spilling it everywhere. Needs hardly any blue - J talks about the strength of the blue dye and it overwhelming everything.
1.00	J and G discuss green dye which got everywhere and difficulty washing it off.
1.02	J marking pattern on top of soles now. Then trims around edge again.
1.04	J talking about why they cost so much and amount of labour in them. N talking about the ethos of AinA. J reckons when people see him working they understand why its 100 for a pair.
1.06	N looking at a piece of leather and asking if it's a back. J says it is for a pair of shoes not clogs. J told them it'd be 3 weeks, three months ago. The last lot should have been 3 months and they were a year.
1.07	J checking G has dyed everything he should have. G saying what he hasn't done and why. ENDS