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I declare that the work contained in this submission is my own work and has not been taken from the work of others save to the extent that such work has been cited within the text of this submission.

Signed: _____ Date: _____

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Introduction

As part of the assignment of making the trinket box, I have to produce a reflective journal on it. In it I will be discussing the diary of event on the construction of the box, showing the steps I took to complete it. And also in this journal, I will be self-reflecting and evaluating on my finished piece.

Diary of events

1. I came up with a design pattern for the veneer panel which fits into the lid of the box. With a design chosen, I drawed it onto the 4mm MDF panel which is cut to size on the table saw. I made the design out of walnut and maple veneer. I cut the veneers to the right shape using a Stanley knife. I taped the veneers together for them to be in the right position when gluing. I cut a piece of veneer to the full size of the panel for the bottom and taped both front and back to one edge of the panel, like a book to leave it easier to spread the glue. I spread the glue evenly over the two sides of the panel, folding the veneer down onto it, wrapping it in newspaper and putting it in the hot press for 10-15 minutes. When the time was up, I took all the tape off while it was still warm, leaving it easier to remove then if it was cold. I then used a cabinet scraper on the veneer to remove the sticky tape marks and other marks. Finally I gave it a light sanding with 240 grit sand paper.
2. I picked out the wood for the box with the fewest defects and similar grain and shade of walnut.
3. I marked face side and face edge on all of the pieces with face side being on the inside of the box and face edge the top of the box. I also used the triangle for the opposite pieces, so it would be easier to know which piece goes where when putting it together.
4. When I went to mark out the dovetails, I marked the sockets first. To mark the sockets, I got the shoulder lines and used the dovetail template to mark the slope of the dovetail.
5. I then removed the material from the sockets by sawing down at an angle to about a millimetre from the line using the dovetail saw. Using a chisel and mallet I chiselled out the material roughly, to again about a millimetre from the line. Then when this was done, using a sharp chisel I paired down to the line, taking small shavings to leave a clean straight edge. I used the right angled block to get the shoulder lines straight and square and I also used a piece of 4mm MDF to pair the lapped part of the socket.
6. When all the sockets were cleaned down and square, I used the sockets to mark the pins by tracing them, in order to get the pins to fit together perfectly.
7. I cut the back dovetails (which are single lapped dovetails) using the dovetail saw and the coping saw. And then using the right angled block, I cleaned the shoulder line the whole way around, with a chisel. I then paired the pins down to the line. For the front dovetails (which are double lapped dovetails), I had to remove the material like the way I done it with the sockets, which was cut it at a diagonal, chisel it out roughly with a mallet and chisel and finally pair down to the line.
8. I tried to fit the pieces together and made adjustments to where was necessary for them to fit together right.

9. I ran the groove on the spindle moulder for the base on the inside of the box. When running the groove, I made sure that the face side was in against the fence and the face edge was up.
10. I dry clamped the box with the base in it to see if the box was the right size and square when clamped together. I then glued the box together with the base in the groove and clamped it together. When clamped first the box, it was off square so I got a third clamp and clamped it diagonally to pull it back in square.
11. When finished gluing up the box, I marked out the material of the lid, marking the face side and face edge on all pieces, the mortises and the shoulder lines of the tenons.
12. I then cut the tenons using the tennor in room 15. With the machine already set up, all I had to do was fix a stop in place in order to keep the lengths the same.
13. After tenons done, I ran the groove on all the pieces of the lid for the veneer panel.
14. I set the chisel on the mortise machine to fit in the groove, as the groove is the same as the tenons. I set the depth of the mortise with the stop so not to go straight through and then mortised all pieces.
15. I cut the haunches using the band saw.
16. I adjusted the tenons until I got the lid to fit together.
17. I glued the lid together with the veneer panel in the groove and made sure it was square.
18. I then cut out the feet for the box using the guillotine which slices at 45º degrees.
19. When lid glued, I trimmed the lid using the table saw.
20. With the lid and the box glued, square and to the right size, I marked out the trenches which the hinges sit into. I then chiselled it out and screwed them on with only two screws first and made adjustment using the third screw if needed. I done the trenches for the hinges on the box first and then on the lid.
21. I then got the lid and ran a 4x4mm rebate on the front and two sides on the underside of the lid on the spindle moulder.
22. For fixing the feet, I hammered nails down on the bottom edge of the box and snipped it with cutters leaving 2-3mm of the nails showing. I then tapped the feet down on the nails for them to hold in place when gluing. I then glued the feet to the box.
23. I then gave all pieces a final sanding.

Machines

Mortise machine- when using this machine, I made sure that the work piece was tightly clamped. When using it I wear goggles and keep hands away from sharp chisel and auger.

Spindle moulder- when using this machine, I used a Shaw guard over the piece to keep the work piece pushed down and to cover the gap around the spindle head so hands can go near. Also I used a feather board held down by G-clamps to keep the work piece pushed in tight to the fence, and prevent the piece from being fired back. I wear goggles when using this machine and used a push stick to feed the piece through.

Hot press- when using this machine; make sure the bed is clean from dried glue and wood chippings so don't to damage the piece. Also wrap the panel in newspaper so no excess glue can stick press bed or even stick the work piece to the bed. Precaution should be taken when closing the press, so that no fingers or arms are caught up in it.

Tenon Machine- when using this machine I wore ear protection. I made sure the machine was guarded properly. Ensure that the work piece is securely clamped before using it. To speed the process up and ensure that all shoulder lines are the same, I set up a stop.

Time Schedule

Task	Estimated Time	Actual Time
Veneer Panel	180	210
Mark out dovetails	45	50
Cut and pair sockets	200	240
Cut and pair Pins	200	240
Fitting Joints	120	180
Groove in box	5	5
Mark out lid	20	15
Tenons	10	10
Groove in lid	5	5
Mortise	20	25
Cut haunches	10	15
Rebate lid	5	5
Glue box and lid	60	60
Fit hinges	60	90
Cut feet	45	40
Fix feet	45	50
Final sanding	90	90

Reflection

I am pleased with my finished trinket box and I feel that I have learned and improved my work having done it. I am happy with the dovetail joints, but if I was to do it again I would not go as deep with some of the shoulder lines as I have done so. I will also pay more attention to minor things or not be as careless such as the slope of the dovetail, as I used the 1:6 dovetail template rather than the1:8. Although I am happy with the trinket box, there are a few things I would change and hopefully learn from them to help me in future projects