STUDY of CARPENTRY SHOP

Safety Recautions

Hammer Safety

· Use correct size Hammer

· Never use a Hormer with a losse head

· Never use two Hammers together

· Never use the side of the hammer

· Never shike cold chieds or hardobjects with a nail

Screwdriver Sofety

" Use correct size serewdriver

· Never use agree driver with randed edges or fips of worn lip damages series and finger

· Never hold the work in one hand

· Hever use a screw driver for prying, punching, chiselling or scraping . Always drill a pilot hale while driving screws

· Use an insulated seven driver for electric work

· Never use serces driver for stroking points

CHisel Sofety

· Keep sharp at all times, Blund tools cause damage · Keep all ports of body behind culting edges · Never toy and cut too much material

CARPENTRY SHOP CROSS HALVINGI JOINT

Exp No. : 3 DATE: 6/10/2021

To produce a Cross holving joint from the given work piece

Application:

Cross bors in acot, shelves, frames for cheap flush paneldoors Malexial Specifications: Venter wood of size 302 X 45 X 30 mm

Tools Required
1) Pencil 2) sheet rule

3) Try square

4) Marking gauge 8) Waden mallel

5) Hand sow 6) firmer chisel 7) Mosfice

9) Rasp

Sequence of operation

1) Reforing 2) Marking 3) whing / sowing / chiefing 4) finishing

WORKING STEPS:

1) Preferring Prepare the work piece as described in a length 302mm, width 45mm, Thickness 30mm

2) Marking

i) wang a by squore and pencil, first mark from right side of the work piece with distance of 52 mm my somm and 52 mm

2) Again draw I mm line given for culting clearence
3) Mork again from left side of the coork piece same distance for right side
4) Using a try square and pencil, draw perfordicular line all four side of the given work piece

5) using masking gauge drow the contex line 15 mm face edge for both sick

6) The intersecting portion to be marked on the 45 mm face side and 15 mm face edge one side top another side bottom

3) Cutting / suring / chiseling: 1) carpantry bench vice hold the fiece horizontally and tighty inavice such that the poston to be cut is just above the jaw. Use firmer chisel to make a groove on first and second morking right side 52 mm 45 mm, 52 mm 2) The take the coork piece and place them on the right side of bench vice the use the Hand saw up to 15 mm depth on both lines 3) As per some procedure for another side do il 4) Before chiselling hold the piece horizonfully and tightly in a vice such that the partion to be is just above the jaw 5) Now using a firmer chisel take series of cuts to semove the axial up to the bottom line as shown in figure 4) Finishing: 1) Take a series of small cut delicately on both the fieces to remove the excus wood 2) Make it smooth with vary 3) oblain of the finish of top and bottom sick 4) Then to be cut wooden piece middle of 2mm 5) Assemble joint and clean off waste TRE LAB QUESTIONS 1) Define Corpentry? It is the trade on work of aperson of woodwork basically to construct buildings, ships etc 2) what one the types of wood used in compentary? a) hard wood 3) How do you classify hand took?

1) Morking and measuring took

2) holding took 3) culting and shaping tools 4) smoothing and finishing tools 5) fostering and removing took.

4) What is holding tools in caspertry? Bench vice, clamps 5) Why are hack sow blade made with different size teeth?
Different-sized teeth provide varying levels of cutting power POST LAB Questions 1) How can flatness be tested?
A flatness garage 1) What foods are needed for framing?
1) Mallet 2) chisel 3) Penal 4) sorew driver 5) Pliers 4) Sand paper s) Rosp 6) Dew 3) Why used mallet?
Mallet is used so as not to damage wood while shriking 4) How do you cut a cross halving joint by following steps 1) heefering 2) mosting 3) culting/sowing/chisaling 4) finishing 5) What is the culting angle of chisel?
The culting angle of chisel is between 250 to 300 The cross halving joint produced from the given work piece, is and assembled joint was submitted for evaluation



