Workshop.

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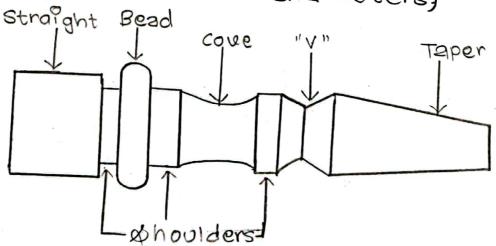
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1) Sketch and explain Basic profile shape model in carpentry?

AIM! To make a Basic profile shapes model.
MATERIAL REGUIRED! Tead wood.

MACHINE REQUIRED: Wood working 121the

Roughing gouge (used for zapidiy cutting raw wood into round stork), Deep flutted Bowl gouge (used for turning bowels and plates), spindle gouge (used for turning beads, cover) Spear (used for fine scaping and defecate operations such as the forming of beads, parallel grooves and shallow vees etc.) papare scraper (used for diameter scraping and featureless scraping), parting took (used to make cut off. Also used for scrapping and to set diameters)



PROCEDURE

1) Mark the centre on each end of workpiece 2) Install the workpiece by inserting the attached spur centre into the spindle taper on the headstock.

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- 3) Bring tailstock into position, lock it the bed, advance quill with the hand wheel in order to seat the live centre into the workpiece. lock the quill in place. Make sure the live centre point is centred on your mank.
- 4) Move tool rest into position. It should be parallel to workpiece. Approximately at the centre line and (118)" from the closest part of the workpiece lock tool rest body and tool rest in place.
- 5) Rotate workpiece by hand to check for proper clearance from took rest.
- 6) Strirt lathe at the lowest speed and bring it up to the appropriate rpm for the size of stock.
- 7) using proper tools complete the model asper given sketch.

RESULT

The Basic profile shapes model is made successfully.

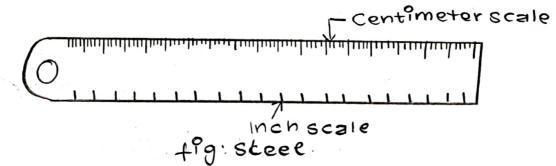
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2) sketch and explain Marking and meason ing tooks using in carpentry?

- Markoing and measuring tool.

a> Rules

Rules are used for measuring dimension For measuring and setting out dimensions vanious types of voles are used in carpentry shop ofteel Rule-stainless steel Rule of length 30cm and 60cm Ps used as shown In figure Flexible measuring Rule-for measuring large dimensions as well as corved or angular surface dimensions



b) straight edge and squares
This is a machined flat piece wood or metal naving perfectly straight and parallel edges

c) Steel Tape.

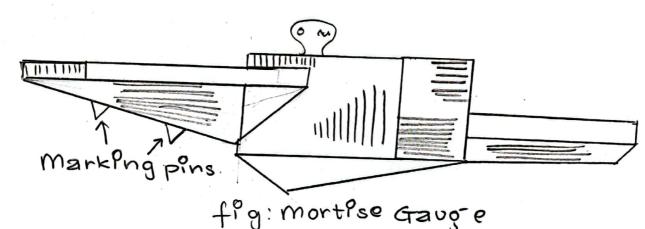
It is used for large dimention, such as marking on boards and checking the overall dimentions of the work.

dauges.

Gauges are used to mark lines parallel to the edges of a wooden prece It marnly conflots of a wooden stem sliding inside a wooden stock. The stem carries

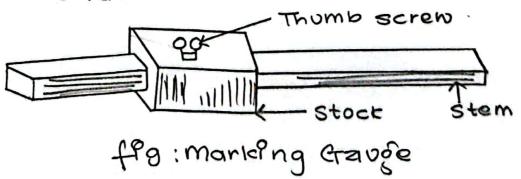
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a steel point for marking ines. The stock Position on the stem can be of varied of fixed nigidly by tightening the thomb screw. To mark a line parallel to an edge the gauge stock is held freely against the edge and pushed along it, pressing the steel points to the surface as shown in figure.



e) Marking knife or scriber

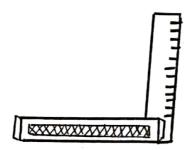
Marking knives are used to convert the pencil lines drawn on the wooden sonface into deep scratch lines on the sonface. They are made of steel with a sharp point at one end and flate blade at the other end.



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f) Try square.

Try square consists of rectangle steel blade flaved rigidly to cast from stock. The length of blade varies from 150mm to 300 mm as Shown in fig:



flg: Try square.

O) Bevel Square.

It Psalso called slidling level. It Ps an adjustable try-square used for measoring! marking angles between 0° and 180° as shown in figure.

Blade Screw

fog: Bevel square