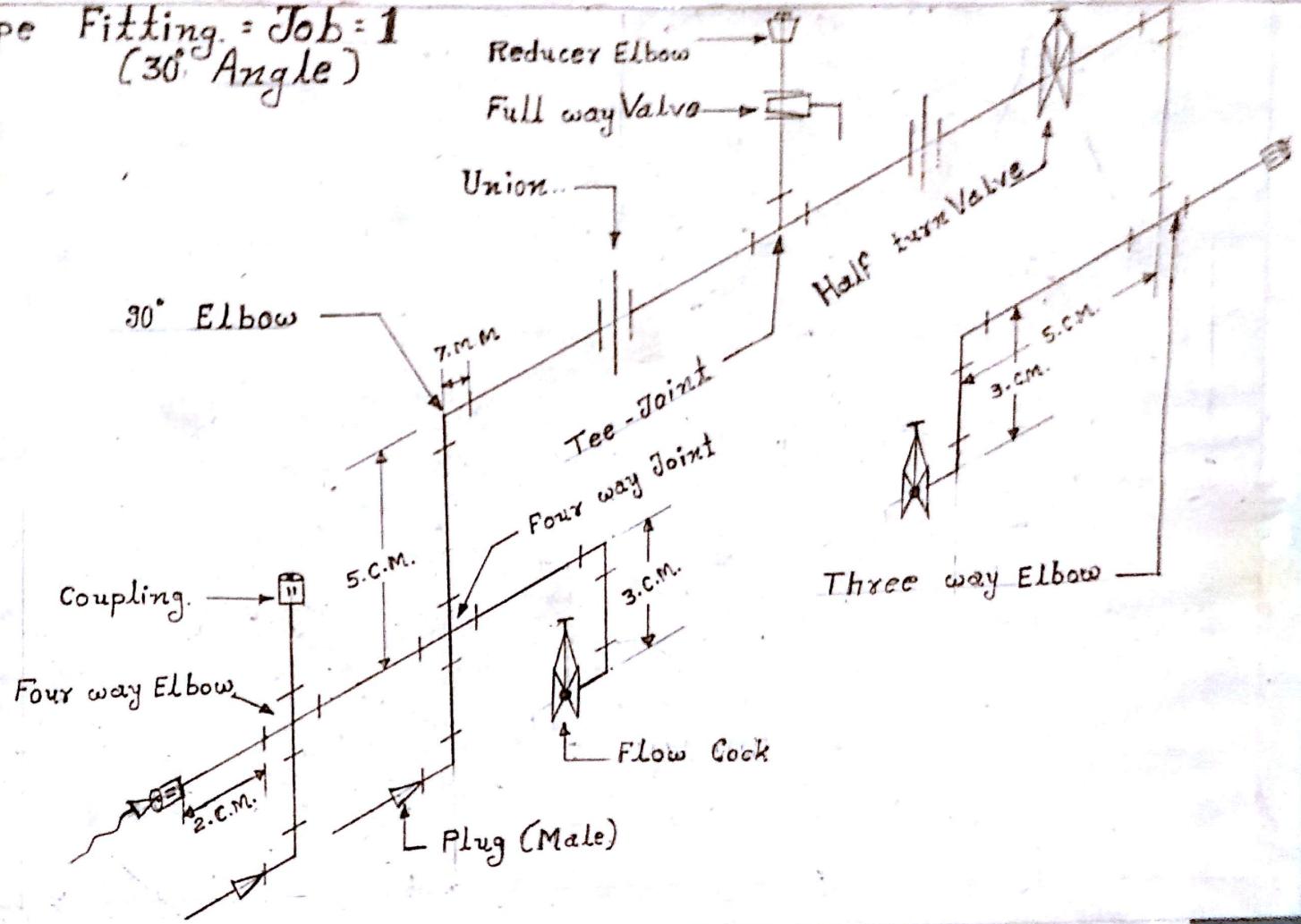
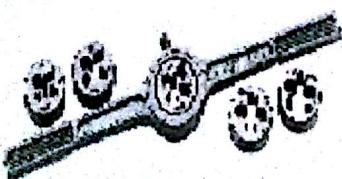


Pipe Fitting = Job = 1
(30° Angle)



Sr. No.	Description / Part name	Use
1.	Plug 	It has external threads and is used with a cross to close the opening of a pipe.
2.	Reducer Elbow type 	It is used to connect two pipes of different diameter.
3.	Nipple or Coupler 	It is a small length pipe having outside threads at the end. It is used to get extra length of the pipe.
4.	Full way Coupler 	The valve is used to ON/OFF flow of fluids.
5.	T-Joint 	It is used to connect a branch pipe at right angles to the main pipe line. The tee may be of equal size or reducing size
6.	Union 	It is used to connect two pipes and can be disconnected easily when required.
7.	Elbow 	It is used to connect pipes at right angles. The elbow may be of equal size or of reducing size
8.	Half turn Valve 	The opening of stops or valves on instruments like the trumpet.
9.	Four way Joint 	It joins the pipe in four directions.

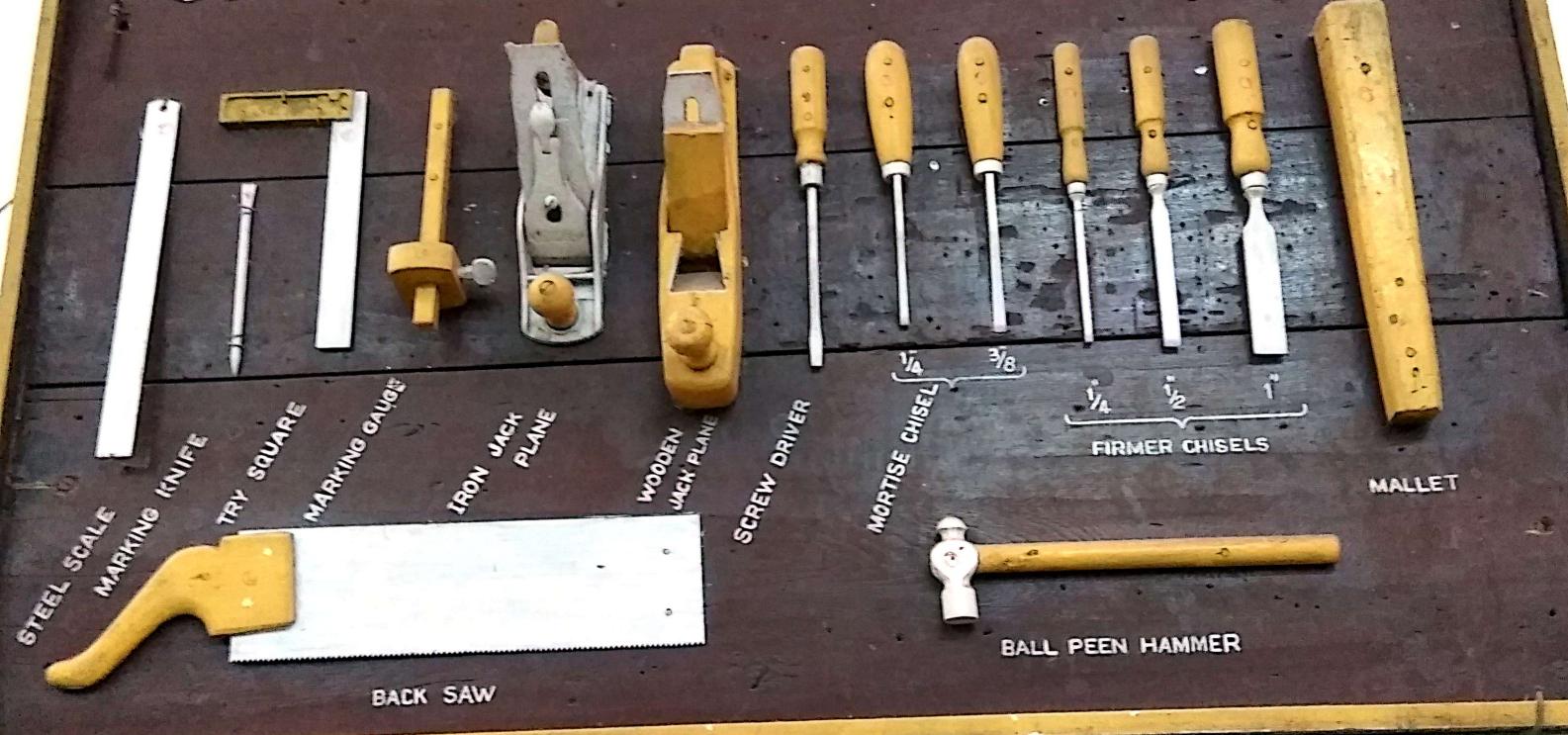
Sr. No.	Description / Part name	Use
10.	Four Way Elbow 	It join the pipe in four directions but one of the line right angle to the remaining line
11.	Three Way Elbow 	It join the pipe in three directions but one of them is right angle to the remaining line.
12.	Hexagonal Plug 	It is used to close line. The head of the plug is hexagonal.
13.	Flow Clock 	To get delivery of fluid
14.	Coupler (Coupling) 	Two pipe lines of equal diameter and in axial alignment can be joined by a coupler (Coupling). It is a short sleeve with internal thread.
15	Pipe Vice 	The pipe vice is most common tool for holding work. The pipe vice is used for holding round section metal, tubes, pipes etc.
16	Pipe Spanner 	Pipe spanner is used to tighten or loosen nut, bolt, screws, or pipe plugs, etc.
17.	Die and Stock 	Dies are used to cut threads on a round bar of metal. Solid and adjustable dies are commonly used. A circular adjustable split die is also used for threading.

FITTING TOOLS

- 1 BASTARD FILE - 12"
- 2 SMOOTH FILE - 8"
- 3 HALFROUND FILE - 8"
- 4 SQUARE FILE - 10"
- 5 TRIANGULAR FILE - 8"
- 6 KNIFE EDGE FILE - 6"
- 7 ROUND FILE - 8"
- 8 TRIANGULAR FILE - 4"
- 9 STEEL SCALE - 6"
- 10 OUTSIDE CALIPER - 6"
- 11 INSIDE CALIPER - 6"
- 12 RIGHT ANGLE - 4"
- 13 HACKSAW FRAME -
- 14 FLAT CHISEL
- 15 CENTER PUNCH
- 16 BALL PEEN HAMMER
- 17 CROSS PEEN HAMMER
- 18 MARKING BLOCK
- 19 'V' BLOCK
- 20 DIVIDER - 6"
- 21 VERNIER HEIGHT GAUGE

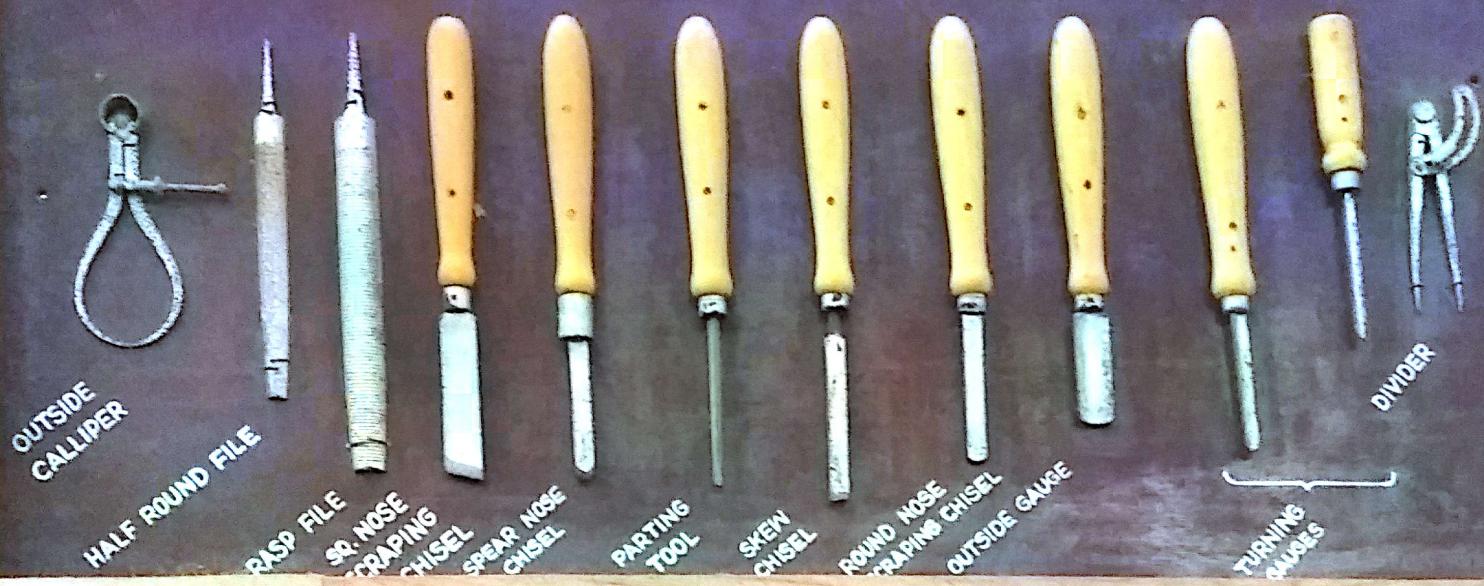


CARPENTRY TOOLS



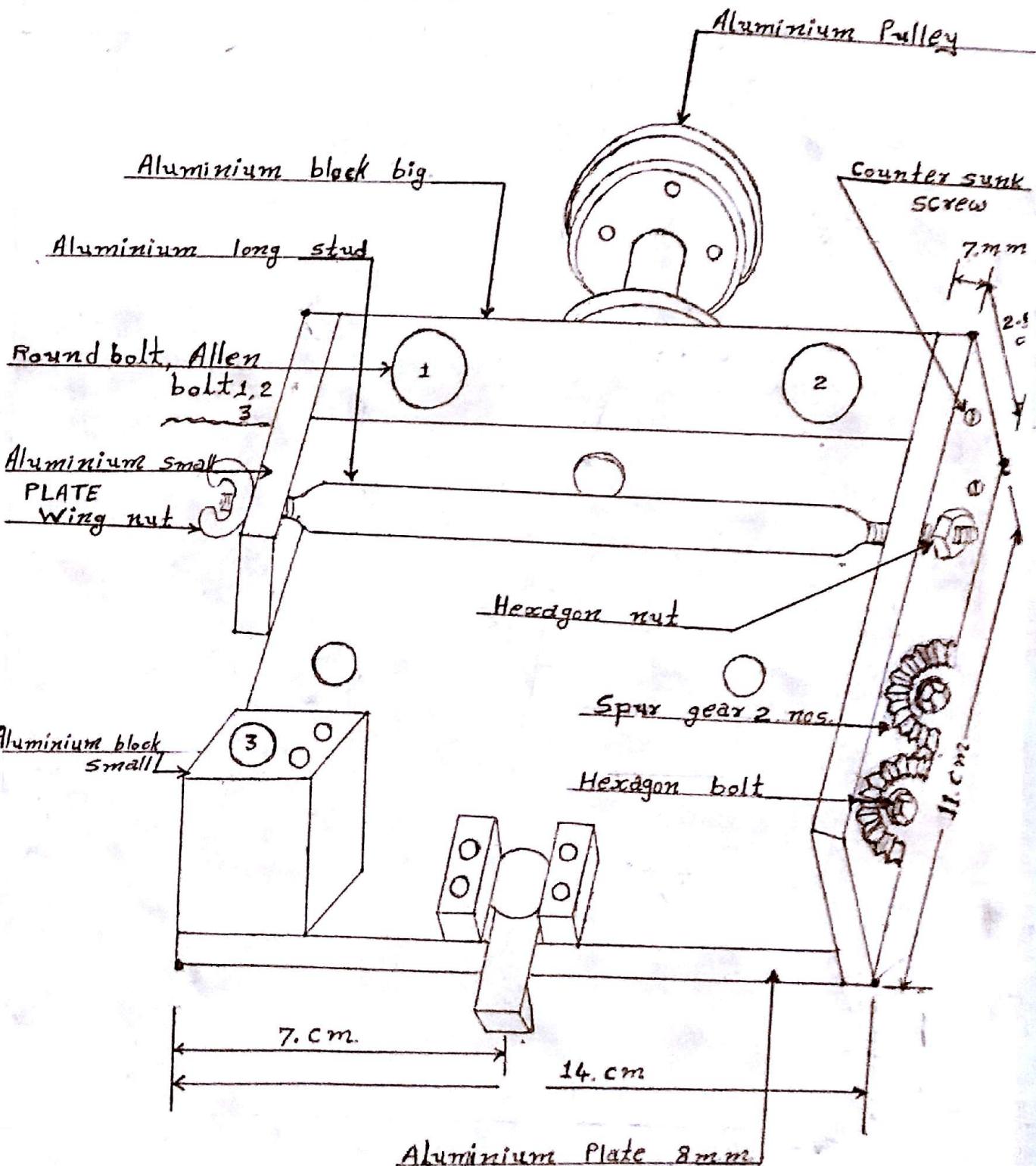
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PATTERN MAKING TOOLS



ASSEMBLY SHOP

ASSEMBLY JOB-2



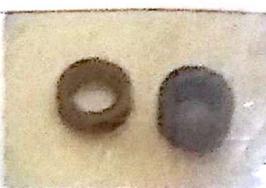
23.

Aluminium washer



24.

Bush straight



25.

1" bolt adaptor



26.

Tool Kit (1) Double Ended Spanner Set



(2) Screw Driver Set



(3) Allen key Set



(4) Grip Plier



16.

Hexagon with washer bolt



17.

Hex joint washer pulley



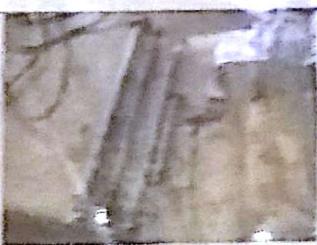
18.

Counter sunk Allen bolt (cap bolt)



19.

Aluminium flat long & short (screws)



20.

"T" bolt



21.

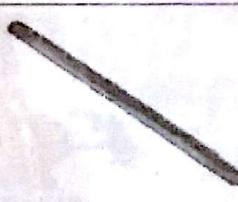
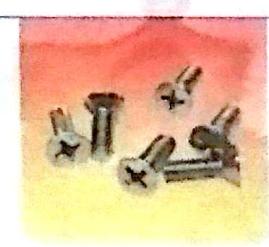
Round bolt cap bolt (Allen bolt)

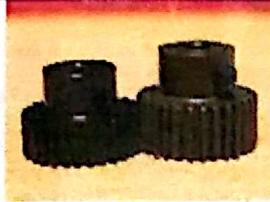


22.

Aluminium adaptor



9.	Binding (pan head)	
10.	Counter sunk screw	
11.	Hexagon nut	
12.	Wing nut	
13.	Long stud (aluminium)	
14.	Lock washer	
15.	Philips head screw	

SR. No	Part name
1.	 Aluminium plate 8mm
2.	 Aluminium block big
3.	 Aluminium block small
4.	 Stud
5.	 Aluminium pulley (square groove)
6.	 Grub bolt
7.	 Spur gear 2 nos
8.	 Round head cap bolt (screws)

PIPE FITTING

