

ORTHOPAEDIC APPLIANCES MAKER (Metal)

Must be able to:-

(A) carry out the necessary measurements of the trade.

Must be capable of using with moderate accuracy and keep in good order all the tools of the trade such as: screw drivers, spanners, files, scrapes, fitters' chisels of all descriptions, calipers, scribing blocks, squares, stocks and dies, ramors, simple drifts, drills, ratchet and breast drilling machines and generally all other tools, simple gauges and appliances appertained to the trade;

Ring and sharpon scrapers, drills etc. and draw cut, temper and grind fitters' chisels of all description.

Use a vertical drilling machine for ordinary drilling and countersinking, chip with hammer and chisel to a line with accuracy of $1/32$ ".

Chip work such as through keyways to the same accuracy.

File flat and square either steel or brass surfaces and edges to a finish of 0.002 inch on horizontal and vortical faces.

File, scrape and bed both flat and curved surfaces.

File, scrape and bed a suitable prepared white metal bronze bearing to a shaft, mark out, drift and tap holes square to a true surface, and accurately pitched to within 0.03 inch.

Must be capable of using and maintaining a drilling, planing and milling machine, a lathe and the tools.

Dismantle, fit, overhaul and reassemble parts of machinery such as hydraulic operating tables, patients trolleys, wheeling chairs, artificial limbs appliances and prostheses.

B. Must be able to do simple marking off

perform accurately simple pieces of work plane and taper turning, ordinary screw cutting etc. Work at the change of wheels for screw cutting must also know the correct cutting speeds and feeds for the metals commonly used in the section.

Must be able to mark, cut and shape material to contain a wooden thigh docket and align it.

Must have a general knowledge of the properties, uses and working characteristics of metals, solders and fluxes in the trade.

Must have a fair knowledge of tempering and annealing metals.

Tin, solder and braze, carry out retinning. Make and repair vacuum filters in thin brass.

Have knowledge of hot and cold work characteristics of wrought iron, mild steel and stainless steels. Be able to make forgings in a reasonable time. from sketches, be able to make caliper rings

Make, assemble the different parts of walking calipers, short walking instruments, joints, appliances etc. Be able to make simple walds in wrought iron and steel.

Use correctly inside and outside calipers and a precision water level.

Must be able to make dimensioned free hand sketches and drawings. Do any marking off from drawings. Perform efficiently, a curately and expeditiously all fitting, dismantling, overhauling and erecting operation on all machinery of the trade.

Use correctly all measuring instruments of the trade.

Must have a thorough technical knowledge of the work carried on in the section.

Must have a knowledge of the correct procedure

Scan not done

(10) (91)