

Day 16

THE ROUTER

- ① The router is a **powerful, portable, versatile** and relatively **inexpensive** power cutting tool.
- ② The *main function* of the router is to **cut decorative edges** on pieces of wood such as table tops. It also cuts dados, rabbets, grooves and can also cut accurate wood joints such as the mortise and tenon and dovetail joints.
- ③ A router can be used **three** ways:
 - i freehand
 - ii in a router table
 - iii using a jig or a fixture
- ④ The router uses a wide variety of bits in many shapes and sizes according to what purpose they would be used. The most common of these bits are:
 - i straight
 - ii round over
 - iii cove
 - iv ogee
- ⑤ The router has **one adjustment**, *up and down*. **Increasing or decreasing** the depth of the bit will *change the profile* of the cut.
- ⑥ Stock must be **fed past the router bit** *against the direction of its rotation* in order to make a safe, smooth cut.
- ⑦ The router can be considered to be a portable shaper.