

DET:
Practical Craft Skills
Pictorial Dictionary
Access 3/2

4982

Spring 1999

HIGHER STILL

DET:
Practical Craft
Skills

Pictorial Dictionary
Access 3/2

Support Materials

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Nail punch

Hand screwdriver

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Butt joint

Corner rebate joint

Through housing joint

Dowel joint

TECHNICAL DICTIONARY

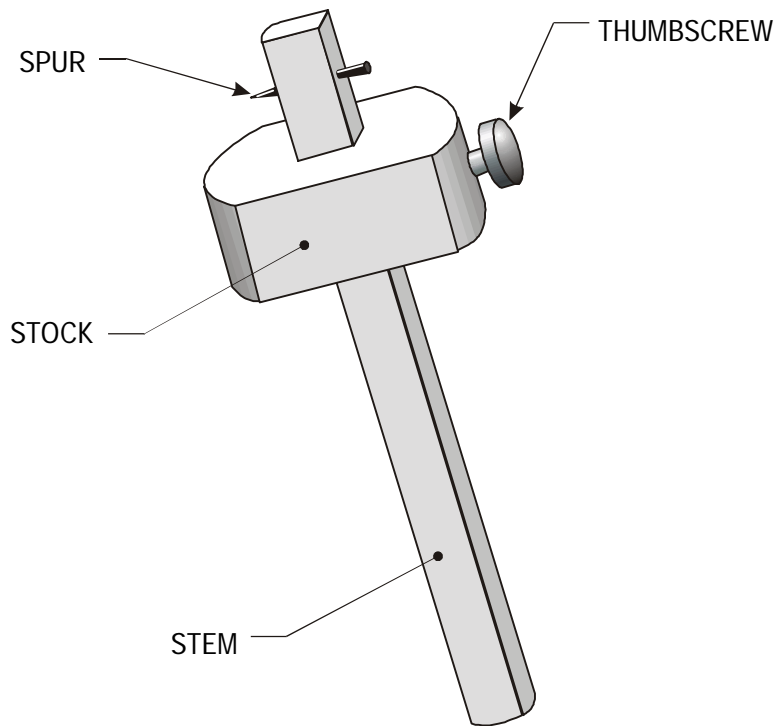
Teacher/lecturer notes

This simple pictorial dictionary is an aid to students in identifying tools, equipment and joints they may use in practical craft skills.

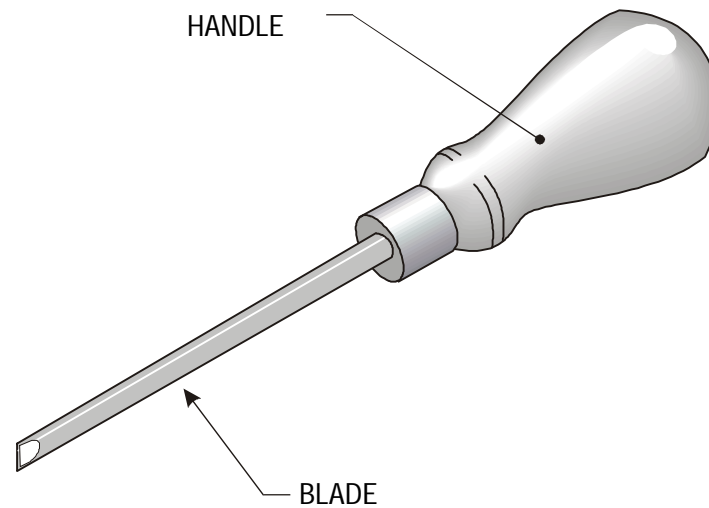
The aim of the booklet is to help students gain knowledge about tools, their parts and their uses and also to encourage students to use the correct vocabulary when discussing tools during lessons or when taking part in any assessment.

The pictures are in line form with parts left un-named so that the student can fill in the names themselves either during a lesson or when using the equipment. A simple description of what each tool does is underneath each picture. The pictures might also be coloured by students to render them like the tools they use.

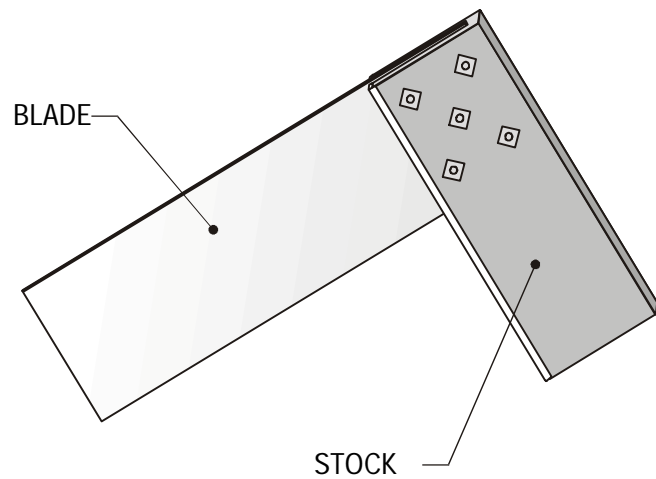
Teachers/lecturers may want to hand out the worksheets as a complete unit or as individual worksheets to build up the dictionary. This is at the discretion of the individual teacher. The worksheets are presented in two sections. The first is part of this set of teachers' notes and contain a number of annotated sketches. The second set are those not annotated and are for student use. Teachers are encouraged to add more information and worksheets covering new tools, equipment and joints.



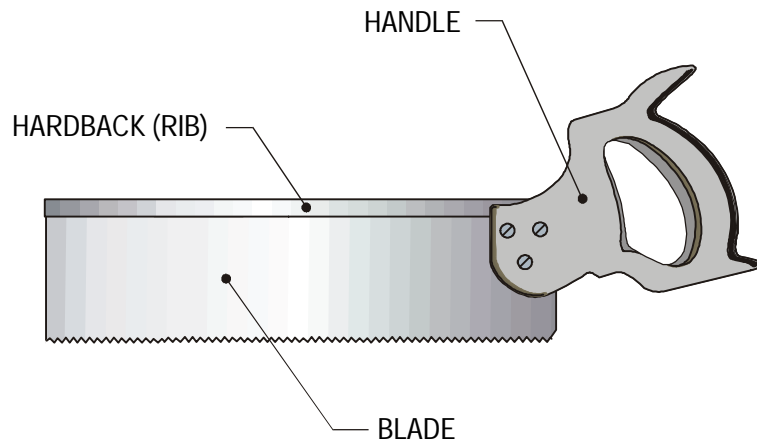
Marking Gauge - for marking a line on the wood parallel to a planed edge.



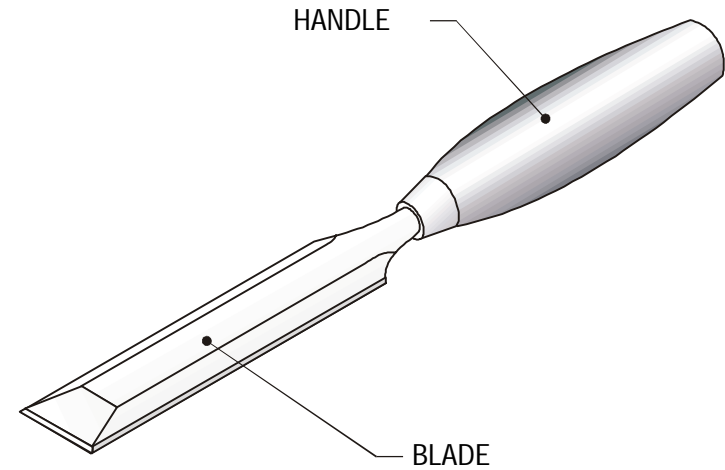
Bradawl - used to make a starter hole for a screw, or to mark the centre of a hole to be drilled.



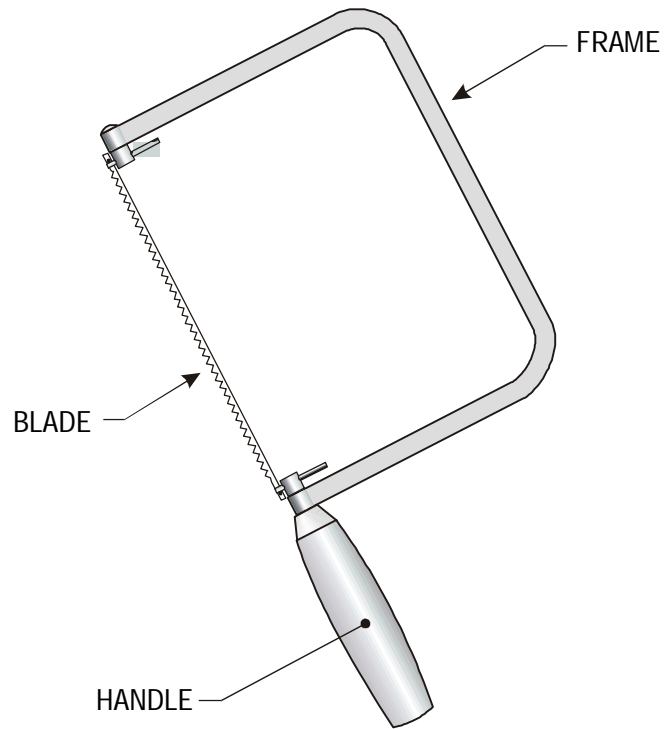
Try Square - for marking lines on wood at right angles to the edge, or for checking the 'squareness' of a piece of wood.



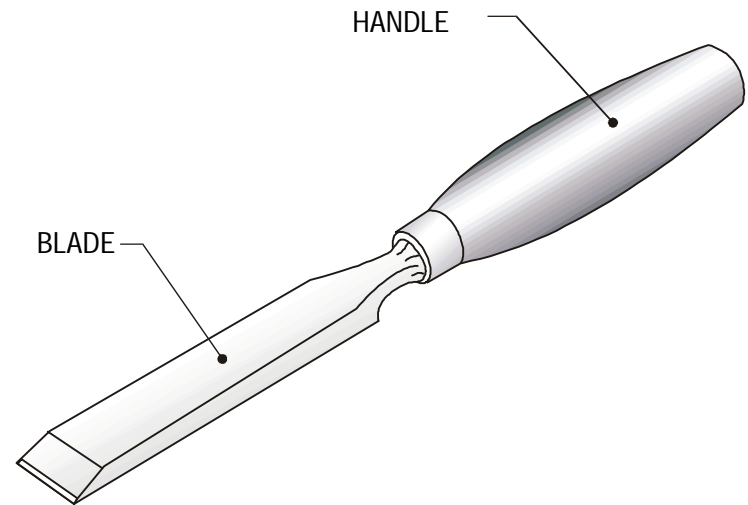
Tenon Saw - a hard backed general purpose saw for cutting large joints.



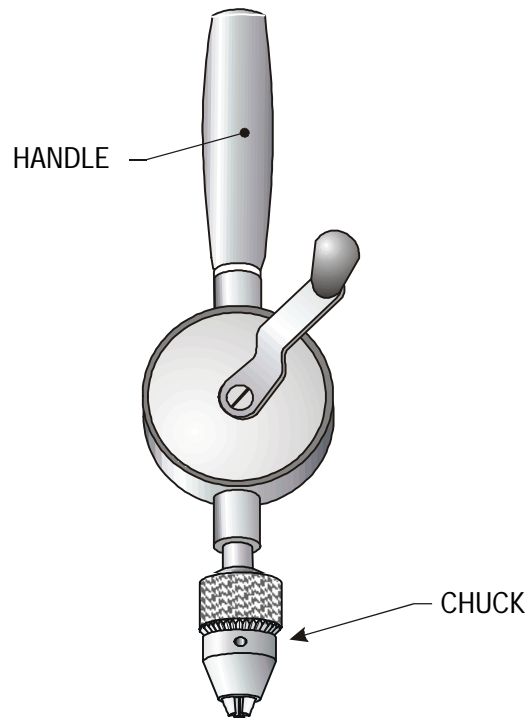
Bevel Edged Chisel - a light weight chisel which should be used mainly for hand driven work.



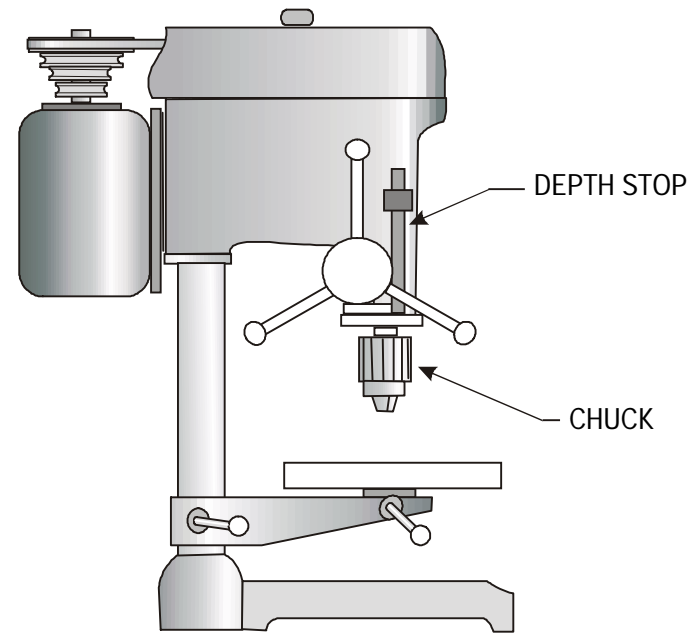
Coping Saw - a special purpose saw for cutting curves in timber or man made boards.



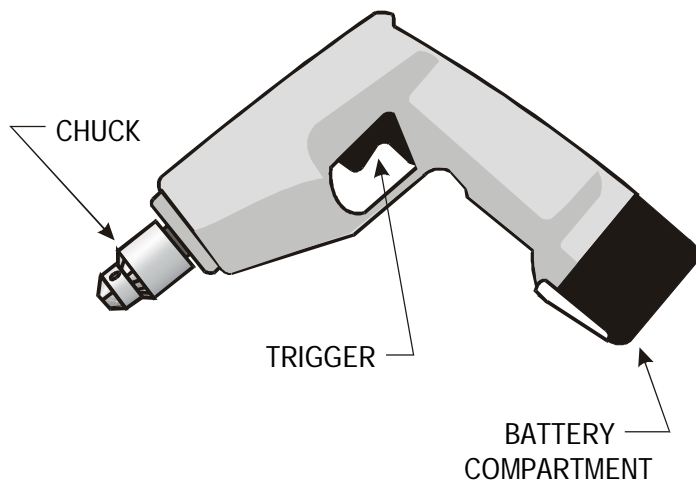
Firmer Chisel - a basic general purpose chisel with a rectangular section blade.



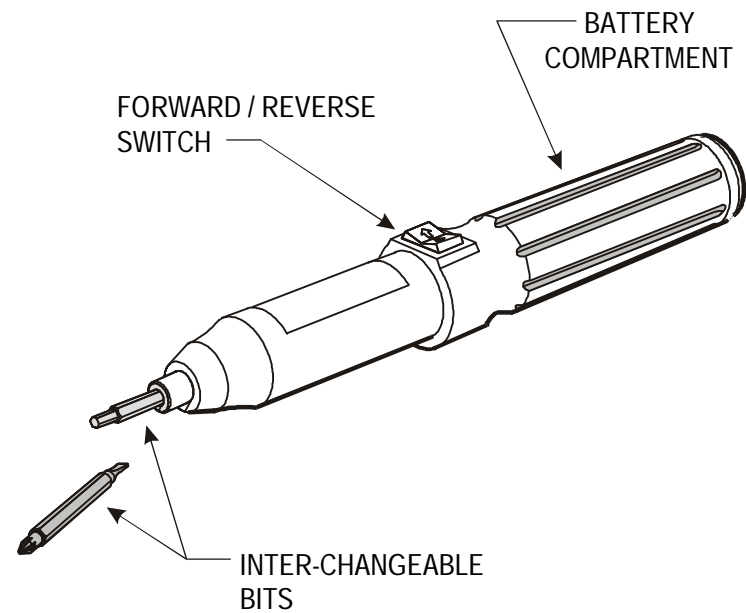
Hand Drill - a simple method of drilling a hole where a great deal of accuracy is not required.



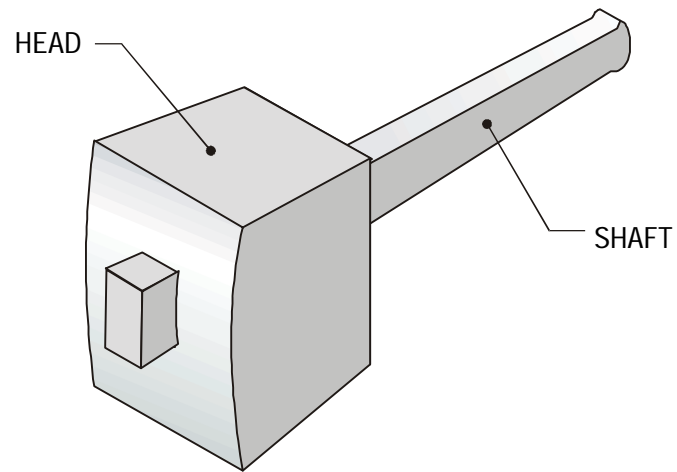
Pedestal Drill - a heavy duty stationary drilling machine for use on both wood and metal.



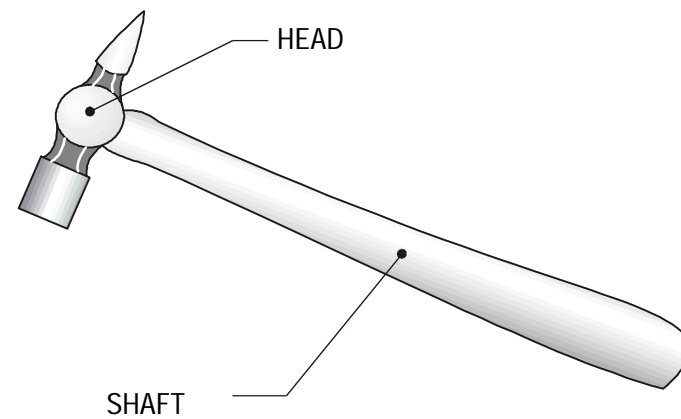
Cordless Drill - a rechargeable drill which can be used with a range of drill bits. It can also accept screwdriver bits for driving slotted or cross-headed screws.



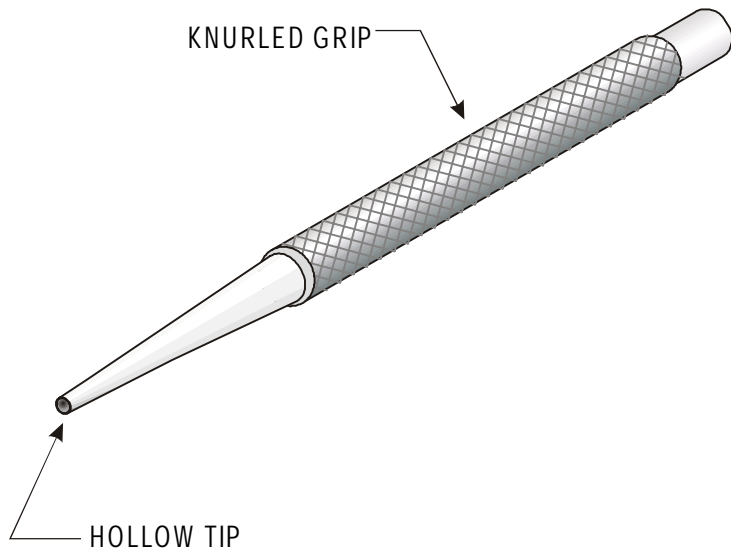
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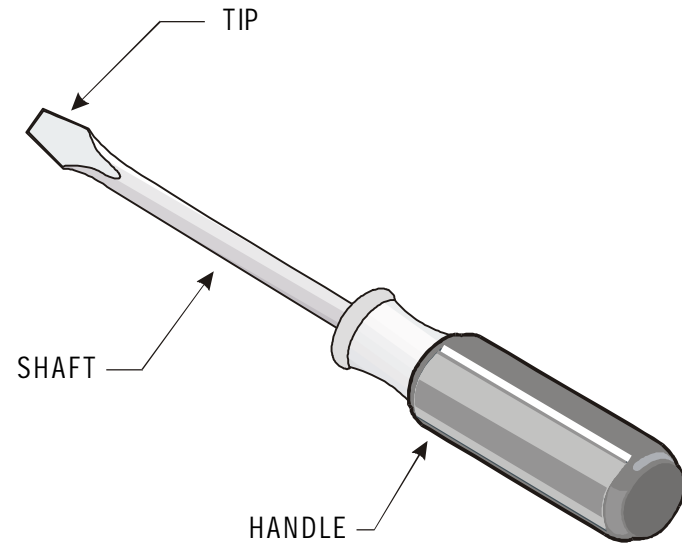
Mallet - used to drive chisels and also for the assembly of joints.



Cross Pein Hammer - used for driving a variety of small nails. The narrow end (pein) is used to start the nails.



Nail Punch - used to drive the nail flush with, or just below, the surface. This stops the wood being damaged.



Hand Screwdriver - available as a flat blade or variety of cross-headed types, used for driving in screws.

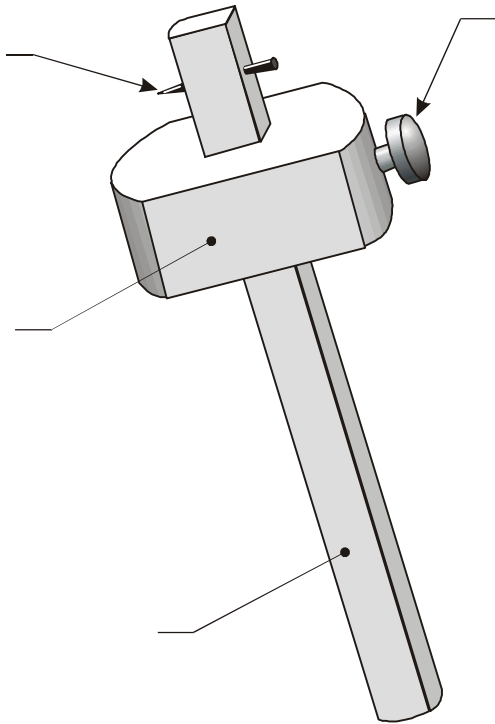
PRACTICAL CRAFT SKILLS

TECHNICAL DICTIONARY

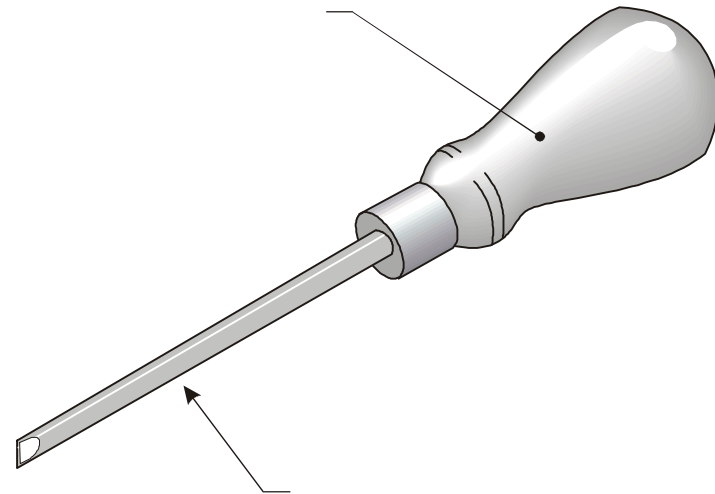
STUDENTS NOTES

MARKING OUT

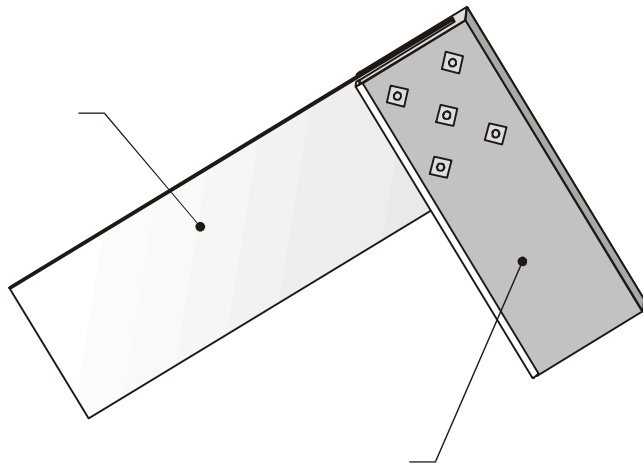
- Marking gauge
- Bradawl
- Try square



Marking Gauge - for marking a line on the wood parallel to a planed edge.



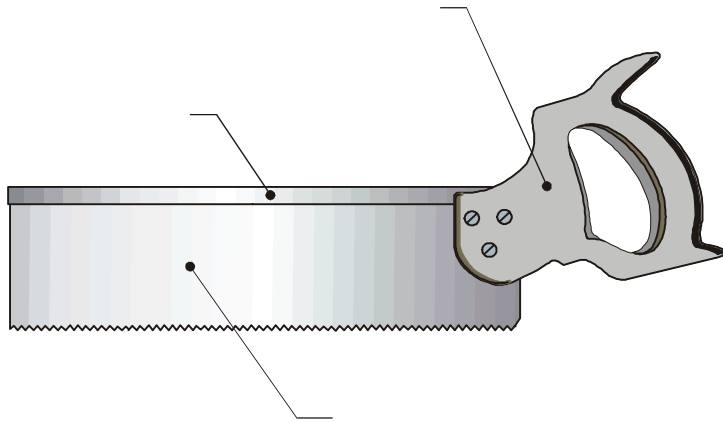
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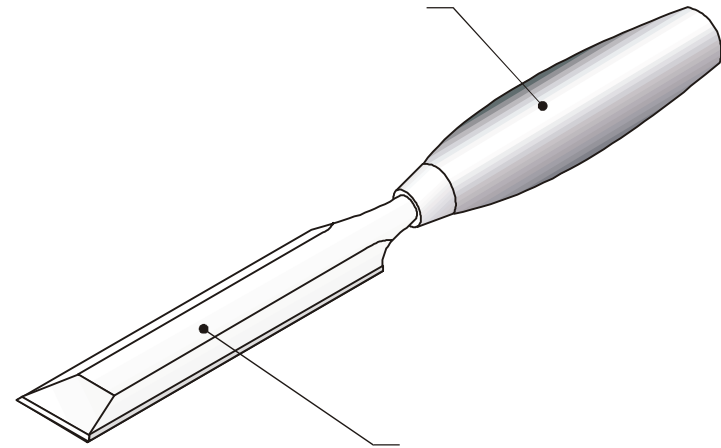
Try Square - for marking lines on wood at right angles to the edge, or for checking the 'squareness' of a piece of wood.

CUTTING TOOLS

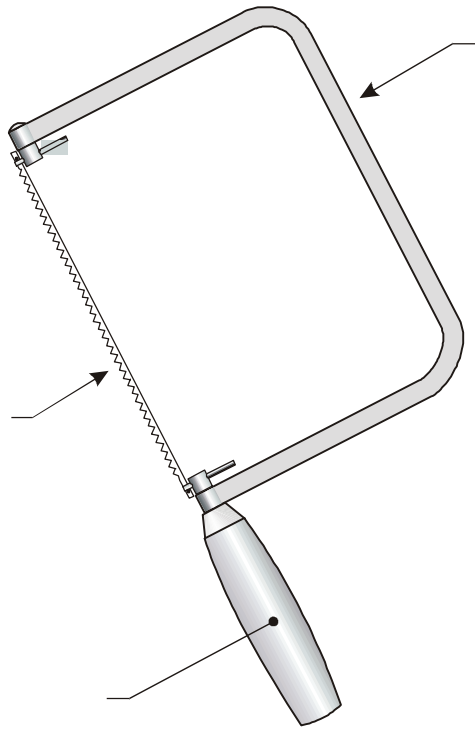
- Tenon saw
- Bevel edged chisel
- Coping saw
- Firmer chisel
- Bench plane
- Hegnor (fret saw)



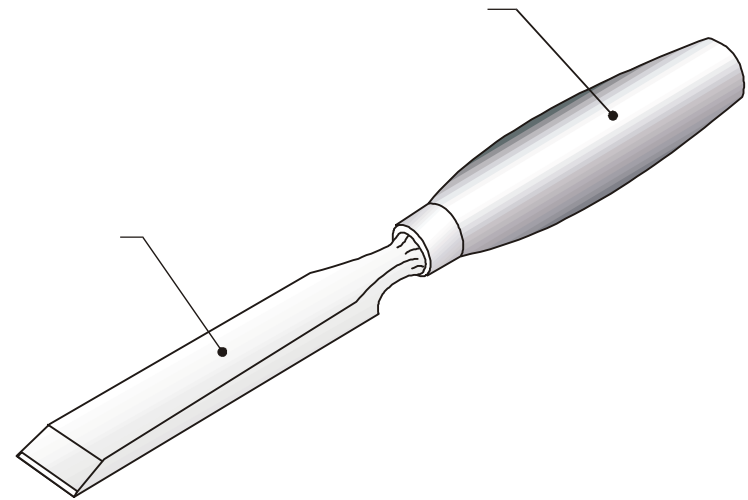
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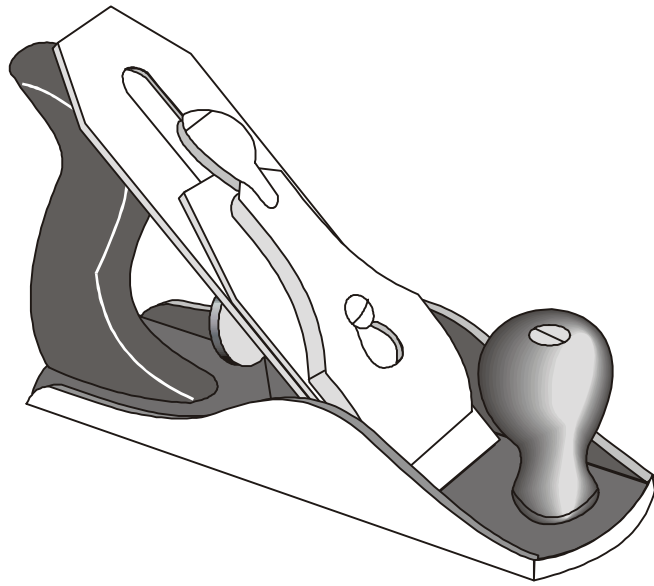
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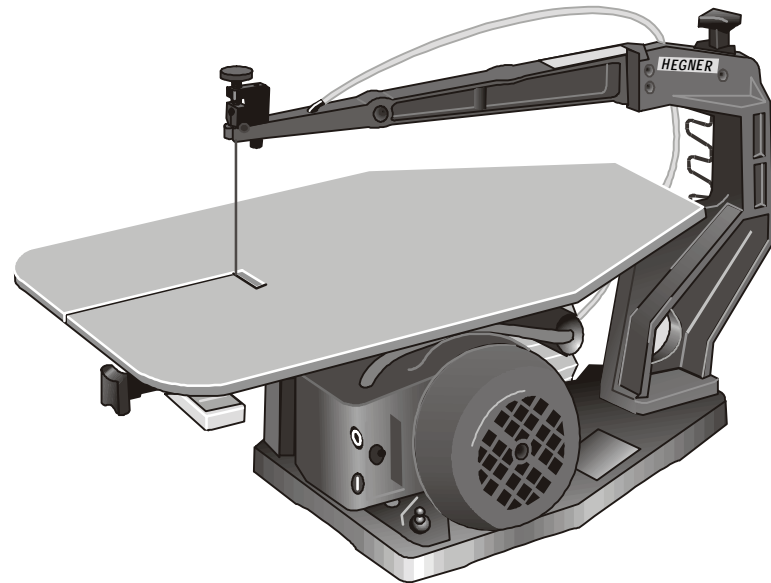
Coping Saw - a special purpose saw for cutting curves in timber or man made boards.



Firmer Chisel - a basic general purpose chisel with a rectangular section blade.



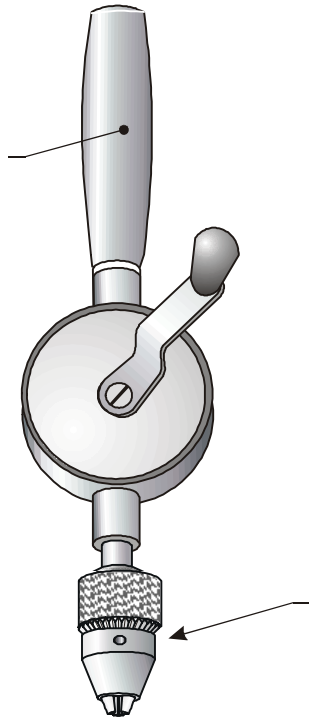
Bench Plane - used to smooth the surface of a piece of timber.



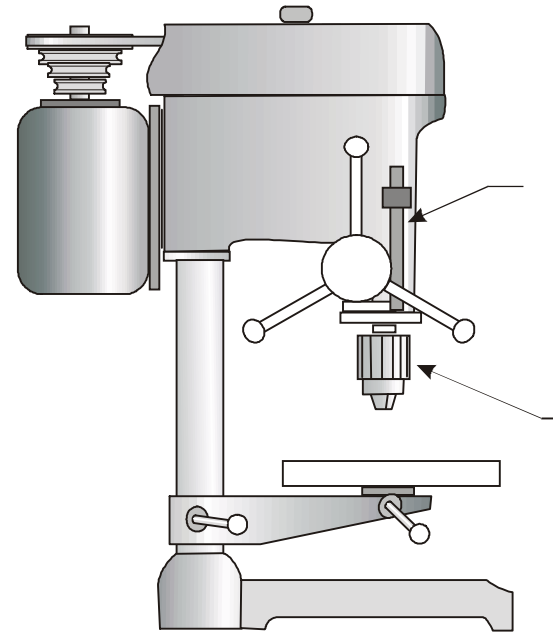
Hegner (Fret) Saw - generally used for cutting curves in small thin pieces of timber, board or plastic.

BORING TOOLS

- Hand drill
- Pedestal drill
- Countersink drill bit
- Twist drill bit
- Cordless drill



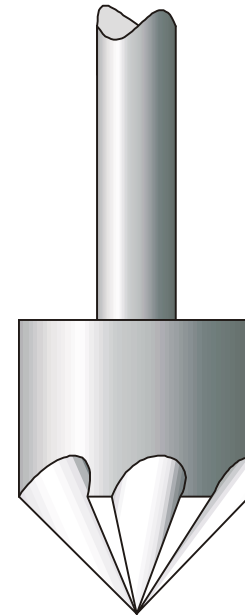
Hand Drill - a simple method of drilling a hole where a great deal of accuracy is not required.



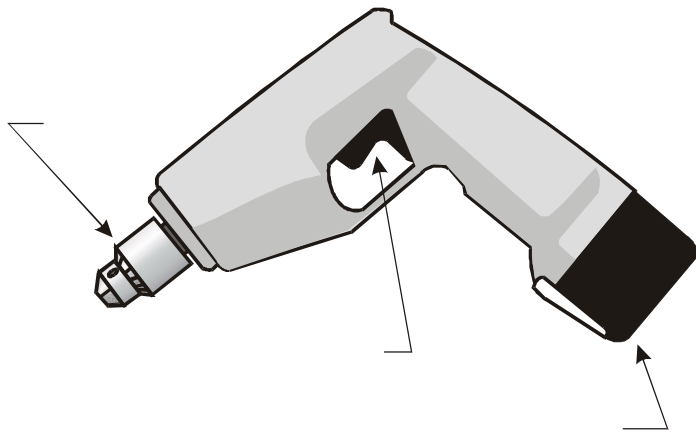
Pedestal Drill - a heavy duty stationary drilling machine for use on both wood and metal.



Twist Drill Bit - a general purpose drill bit used for drilling holes in metal, plastics and wood.



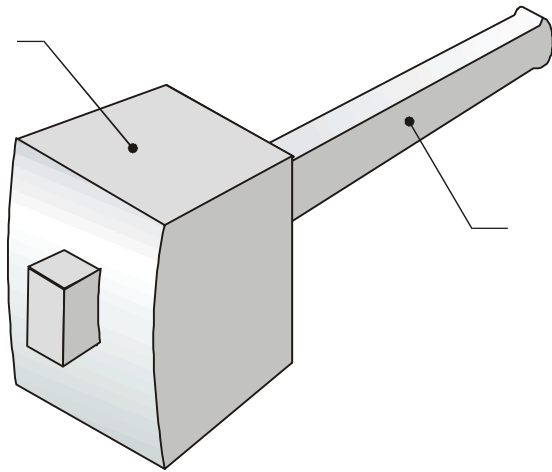
Countersink Drill Bit - makes the start of a drilled hole bigger so that the screw head lies flush with the surface.



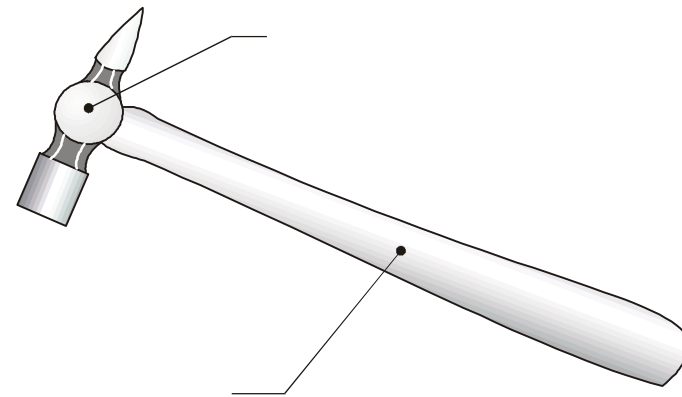
Cordless Drill - a rechargeable drill which can be used with a range of drill bits. It can also accept screwdriver bits for driving slotted or cross-headed screws.

DRIVING TOOLS

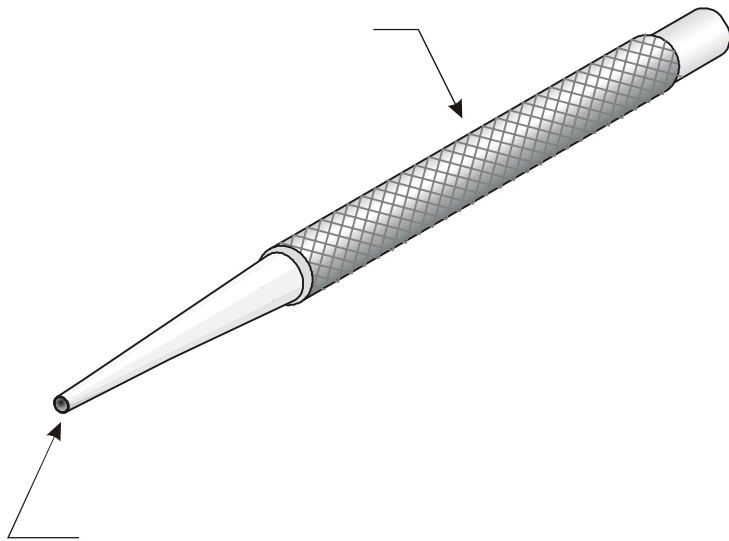
- Mallet
- Cross pein hammer
- Nail punch
- Hand screwdriver
- Pincers
- Cordless screwdriver



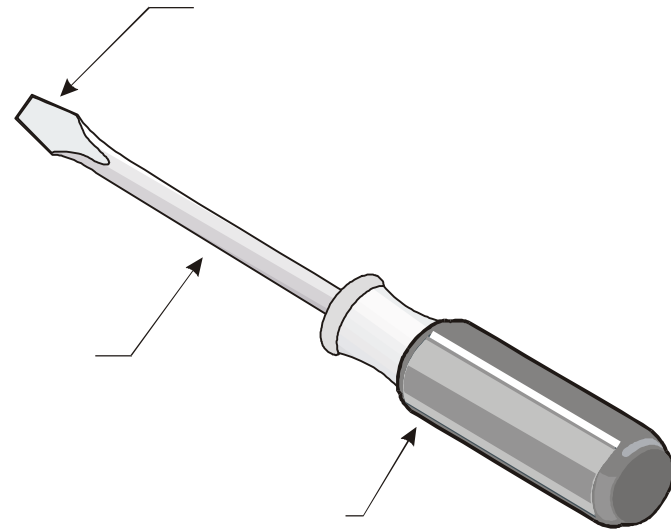
Mallet - used to drive chisels and also for the assembly of joints.



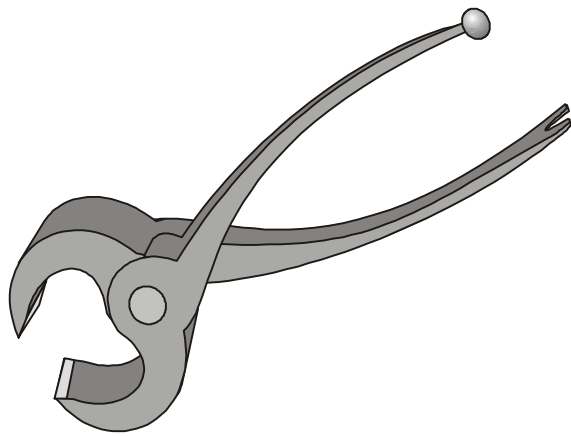
Cross Pein Hammer - used for driving a variety of small nails. The narrow end (pein) is used to start the nails.



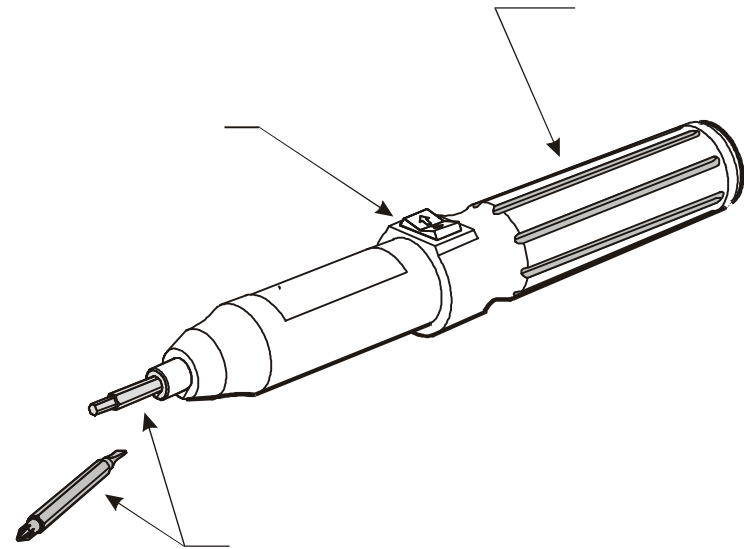
Nail Punch - used to drive the nail flush with, or just below, the surface. This stops the wood being damaged.



Hand Screwdriver - available as a flat blade or variety of cross-headed types, used for driving in screws.



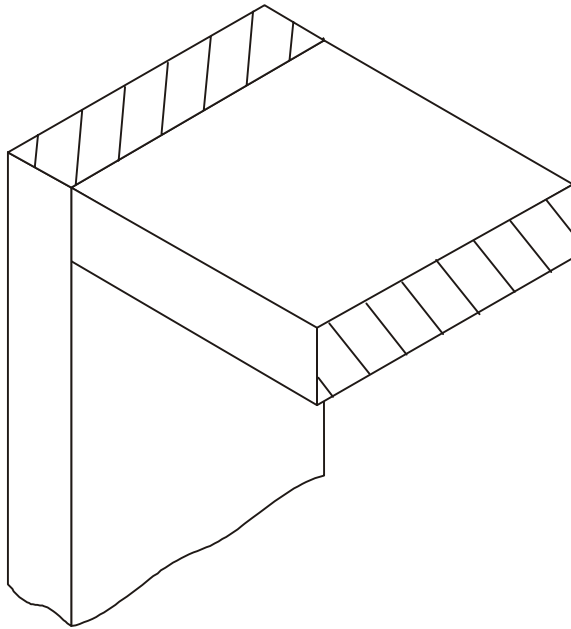
Pincers - used for removing small nails or pins without damaging the woods surface.



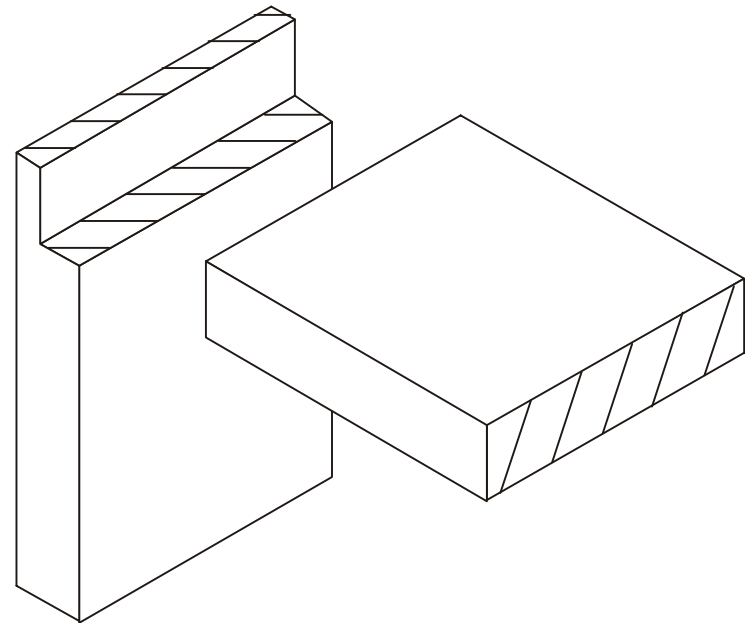
Cordless Screwdriver – a rechargeable driver which can be used with various types of bit. It is also very useful for driving several screws, one after the other.

JOINTS

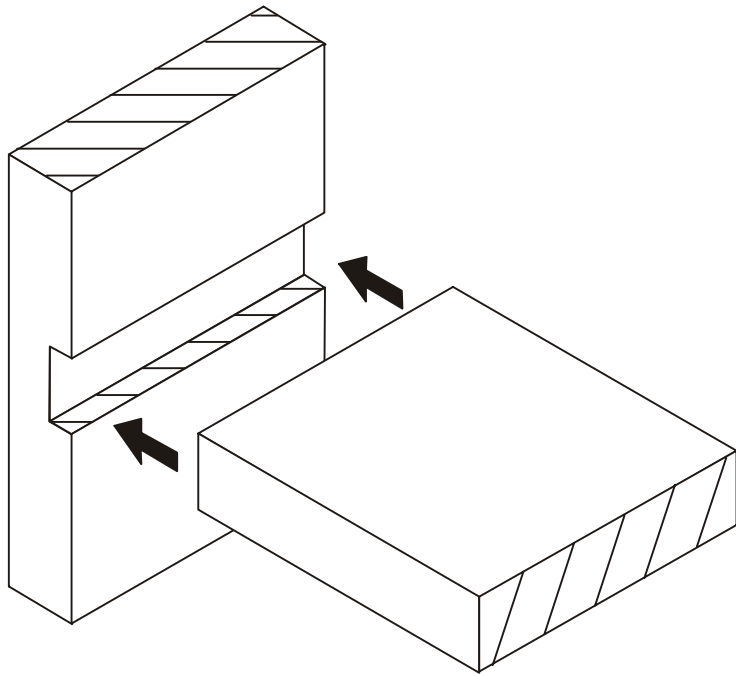
- Butt joint
- Corner rebate (lap) joint
- Through housing joint
- Dowel joint



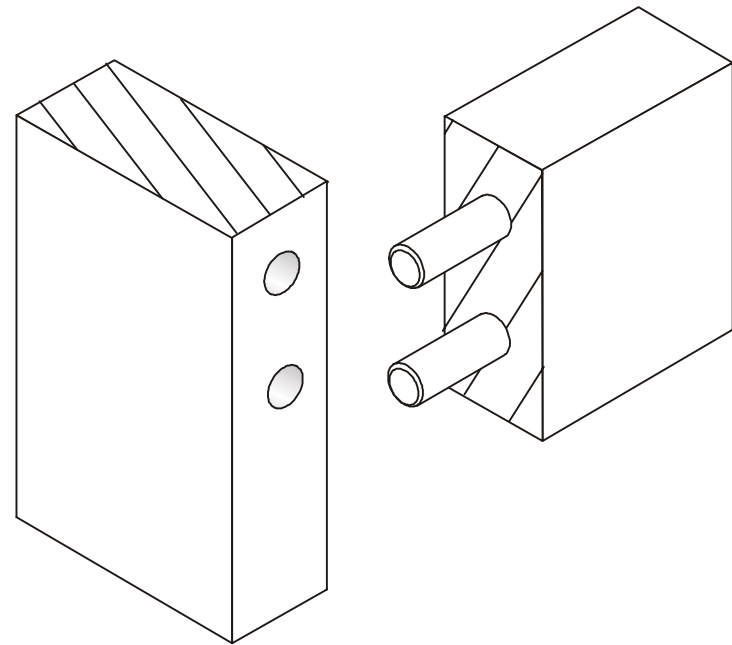
Butt Joint - the simplest form of joint. Used on small boxes and light framework.



Corner Rebate (Lap) Joint - a basic corner joint for simple box and cabinet construction.



Through Housing Joint - made from timber or board and normally used for shelving or dividers.



Dowel Joint - a simple method of reinforcing a **Butt Joint** with holes drilled into both pieces of wood to accept dowels.