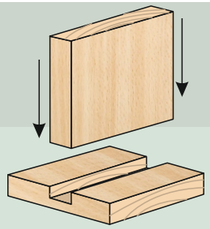
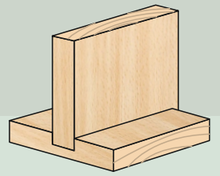
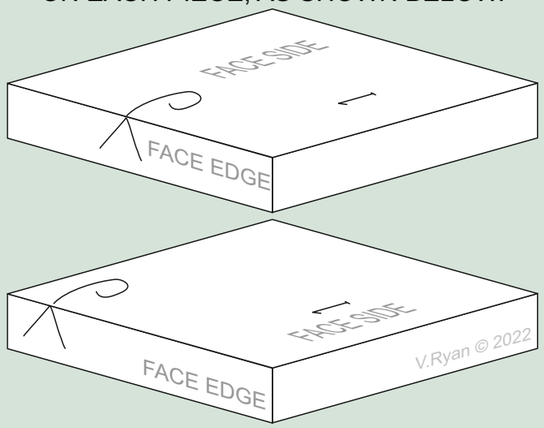
MARKING OUT AND CUTTING A THROUGH HOUSING JOINT





Dia. A

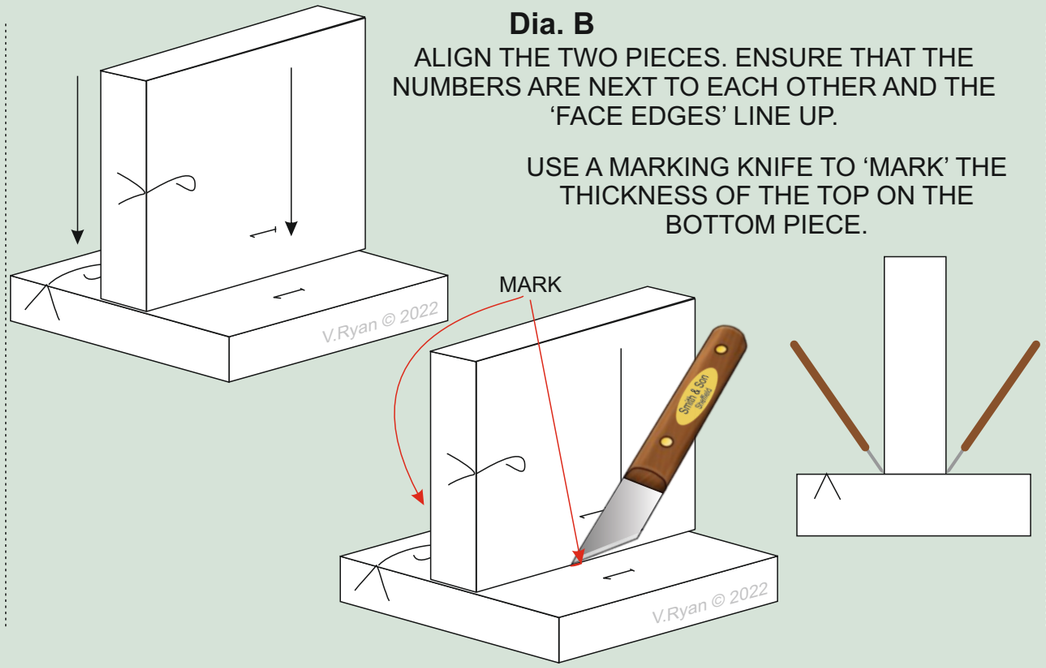
MARK THE ‘FACE SIDE’ AND ‘FACE EDGE’ ON BOTH PIECES OF WOOD. THESE ARE THE EDGES YOU WILL WORK FROM, WHEN MARKING OUT THE JOINT. MARK ‘1' ON EACH PIECE, AS SHOWN BELOW.



Dia. B

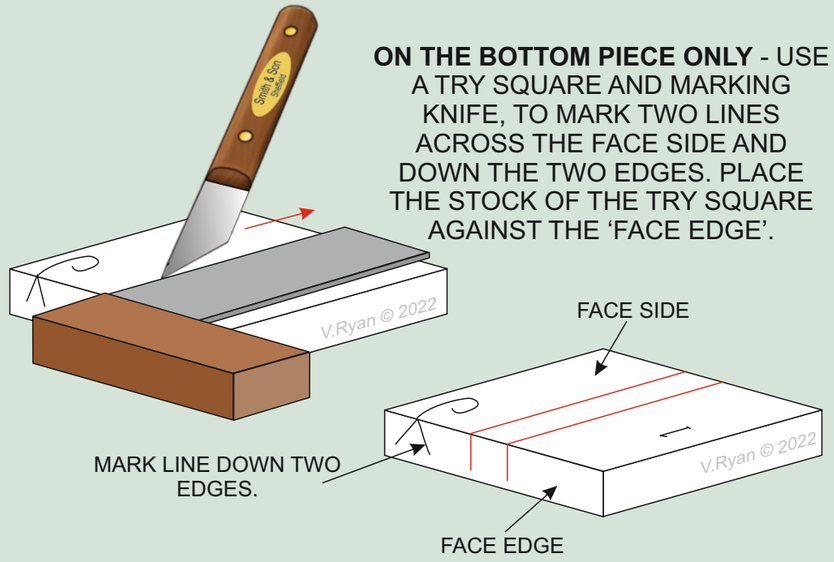
ALIGN THE TWO PIECES. ENSURE THAT THE NUMBERS ARE NEXT TO EACH OTHER AND THE ‘FACE EDGES’ LINE UP.

USE A MARKING KNIFE TO ‘MARK’ THE THICKNESS OF THE TOP ON THE BOTTOM PIECE.



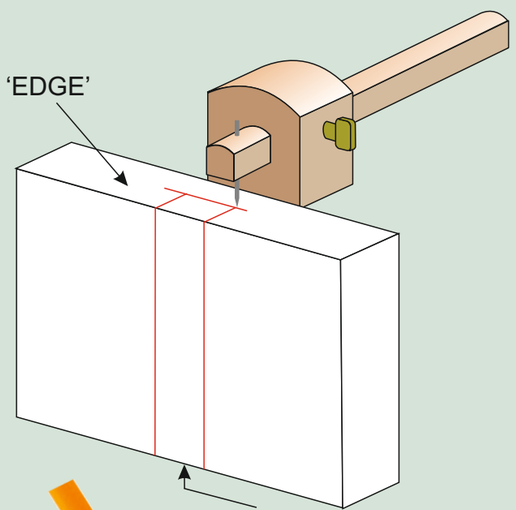
Dia. C

ON THE BOTTOM PIECE ONLY - USE A TRY SQUARE AND MARKING KNIFE, TO MARK TWO LINES ACROSS THE FACE SIDE AND DOWN THE TWO EDGES. PLACE THE STOCK OF THE TRY SQUARE AGAINST THE ‘FACE EDGE’.

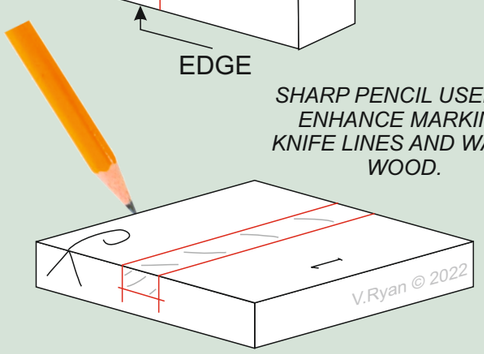


Dia. D

USE A MARKING GAUGE, TO MARK THE DEPTH OF THE JOINT, ON EACH EDGE, CLEARLY SHOWING THE WASTE WOOD.

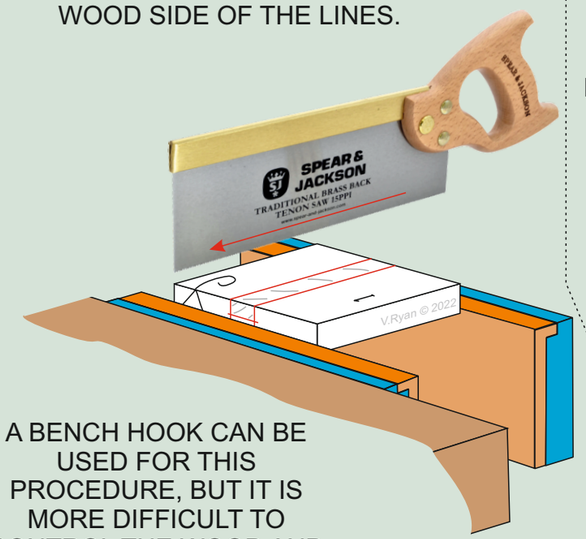


SHARP PENCIL USED TO ENHANCE MARKING KNIFE LINES AND WASTE WOOD.

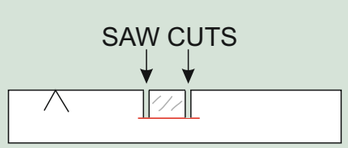


Dia. E

SECURE THE WOOD IN A VICE. SAW DOWN, CUTTING ON THE WASTE WOOD SIDE OF THE LINES.

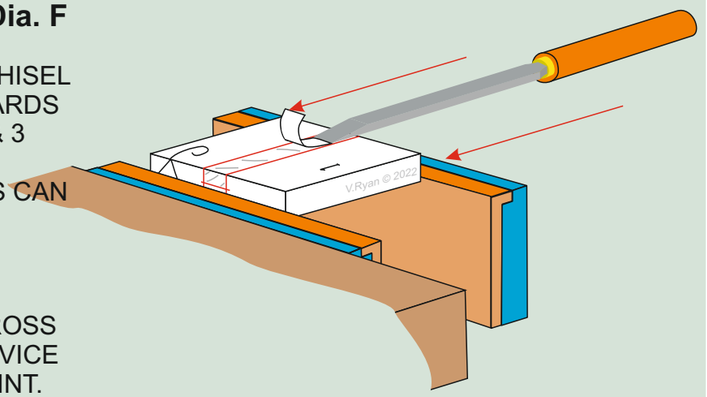


A BENCH HOOK CAN BE USED FOR THIS PROCEDURE, BUT IT IS MORE DIFFICULT TO CONTROL THE WOOD AND SAW.



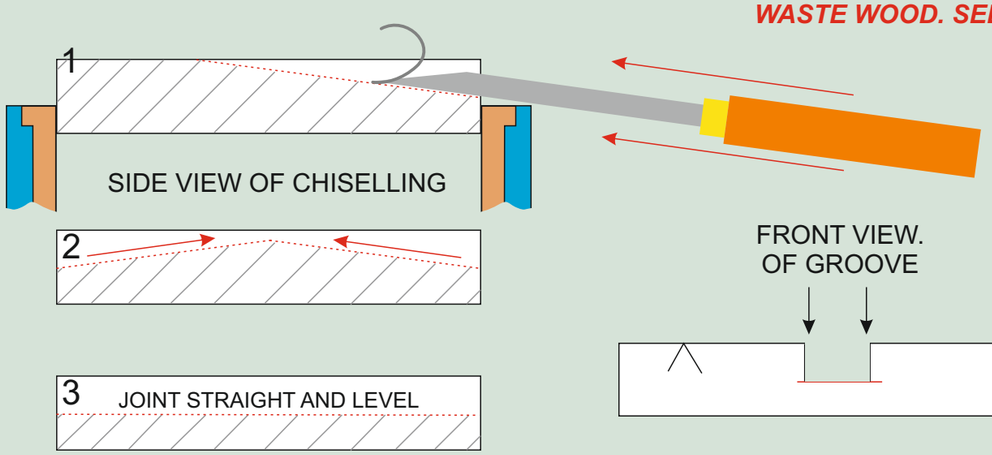
Dia. F

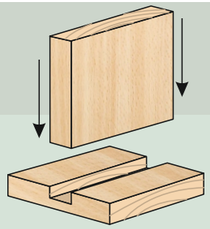
SLOWLY REMOVE THE WASTE WOOD WITH A CHISEL (BEVEL EDGED PREFERRED), WORKING UPWARDS AND TOWARDS THE CENTRE (SEE DIA 1, 2 & 3 BELOW).
DO NOT CHISEL ALL THE WAY ACROSS, AS THIS CAN SPLIT THE WOOD, AT THE FAR SIDE.



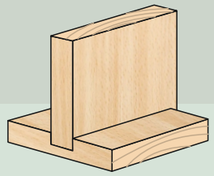
WHEN YOU HAVE CHISELLED HALF WAY ACROSS THE JOINT. TURN THE WORK ROUND IN THE VICE AND CHISEL THE SECOND HALF OF THE JOINT. FINALLY, STRAIGHTEN / LEVEL THE JOINT.

ALTERNATIVELY, A ROUTER PLANE CAN BE USED TO REMOVE THE WASTE WOOD. SEE NEXT SHEET.





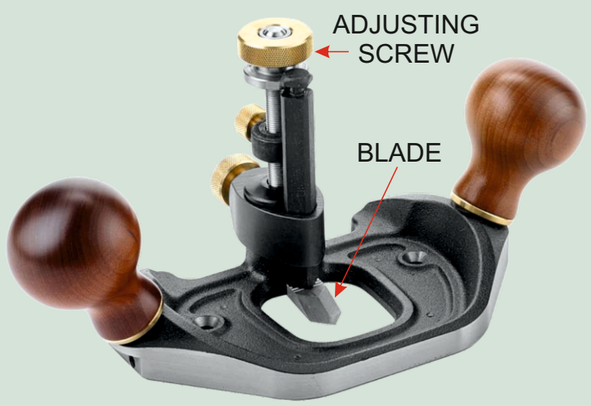
MARKING OUT AND CUTTING A THROUGH HOUSING JOINT



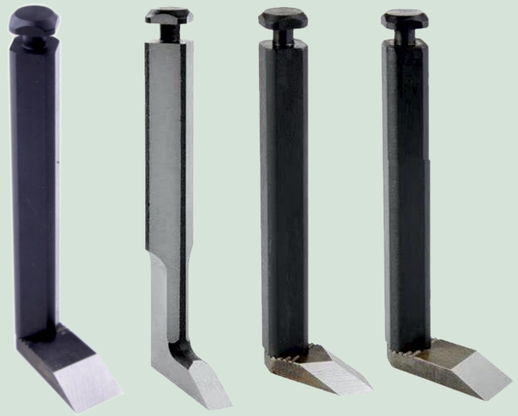
METAL ROUTER PLANES ARE SUPPLIED WITH A RANGE OF PLANE BLADES. THE WIDTH OF THE BLADE IS SELECTED ACCORDING TO THE WIDTH OF THE WASTE WOOD TO BE REMOVED. THEY ARE IDEAL WHEN CUTTING GROOVES, SUCH AS THOSE REQUIRED BY A HOUSING JOINT. THE DEPTH OF CUT IS ADJUSTED BY TURNING THE ADJUSTING SCREW.

THE ROUTER PLANE BLADE IS ADJUSTED, SO THAT IT PLANES A THIN LAYER OF WOOD, EACH TIME THE PLANE IS PUSHED FORWARD. PLANING WITH THIS TOOL, SHOULD BE SLOW AND STEADY, UNTIL THE CORRECT DEPTH IS REACHED. SHORT, REPETITIVE FORWARD PUSHES OF THE PLANE, ARE NEEDED TO CUT AN ACCURATE GROOVE.

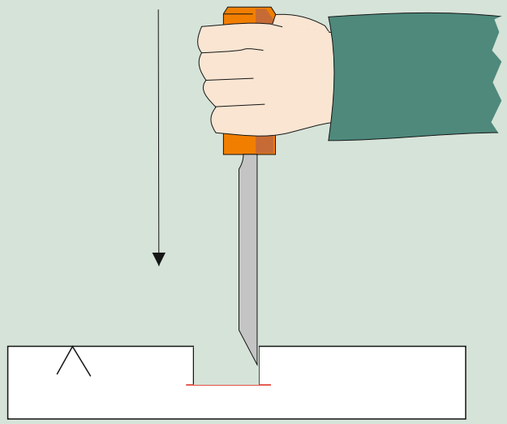
Dia. F
CONTINUED
Alternative for cutting the groove



ROUTER PLANE BLADES

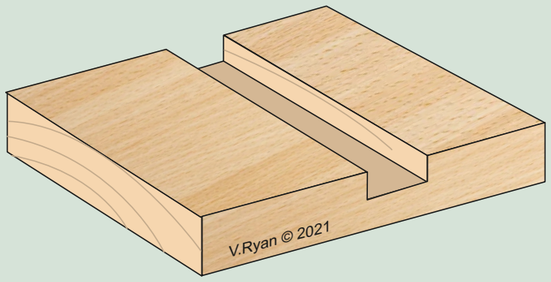


Dia. G



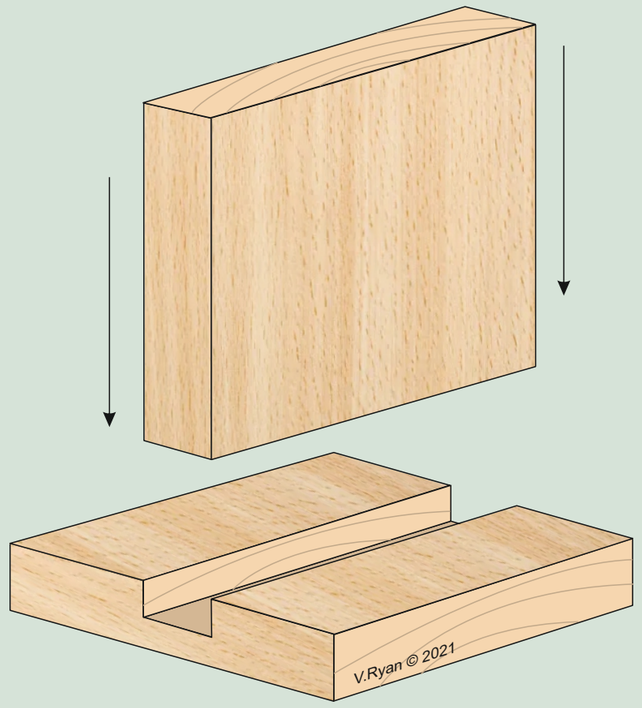
THE SIDES OF THE GROOVE / JOINT, ARE FINISHED BY PLACING THE CUTTING POINT OF A BROAD BEVEL EDGED CHISEL, IN THE ‘MARKING OUT’ KNIFE LINE CREATED BY THE MARKING KNIFE (DIA.C).

A BLOW TO A CHISEL FROM A MALLET, REPEATED AS MANY TIMES AS REQUIRED, STRAIGHTENS THE SIDES.



FIT THE FINISHED JOINT TOGETHER

EXPLODED VIEW



ASSEMBLED VIEW