



The Carpenters' Craft Competition



2020 Key Cabinet

READ & COMPLY WITH THESE INSTRUCTIONS CAREFULLY

Technical Instructions to Candidates

The design of this competition piece has been influenced by the types of joint, for Candidates to illustrate their skills and accuracy in the use of hand & machine tools. Also, the compactness to facilitate transportation and help keep costs to a minimum. This opportunity to participate in a national competition will provide both kudos and esteem for the successful students and colleges. Further, it was also envisaged that the Key Cabinet could be used in a practical way at home, to help mislaying keys.

Prepare the various parts and assemble. The work is to be cleaned up and finished smooth ready to receive a high-quality paint finish. However, it must be left in the white and attempting to apply any type of finish by the candidate will be penalised.

The construction of the cabinet entails a variety of dovetails. The top (1) is joined to the sides (2) using a through dovetail which will allow for a groove to receive the tongue of the back panel (5). The bottom (3) is joined to the sides using a Halfblind/Lap dovetail, again, allowing for a groove to receive the tongue of the back panel (5). The Shelf (4) is to be joined to the sides using a stopped housing joint 5mm deep. The housing joint not to show at the back of sides (2).

Both the door (6) and the back panel (5) are to be constructed with the use of several boards glued together to form the necessary o/a width of dimension required. The number of boards used is to be at the discretion of the candidate to minimize movement in the timber, once the panels have been finished.

A tongue is to be formed on the sides and top edge of the back panel (5) to allow it to be inserted into the sides (2) & top (1) and then fixed to the bottom (3) & shelf (4) with a single screw (13) positioned centrally of the width. Key hooks (8) to be positioned on the back panel (5), as shown on the drawing.

The door (6) is to have suitable grooves to receive the thirteen vertical slats (7) that should be held in position by glue and a snug fit. However, the two outside slats are to receive four screws each (12), suitably positioned from the rear, to improve the strength of holding them as they will only be in a rebate; also a screw to be inserted 25mm up from the bottom of the door behind each of the other Slats.

The formation of the circular top finish to the slats is to be carefully formed and the candidate will be penalized for inaccuracy in dimensions of elements and overall sizes etc, which also relates to the whole project. The door is to be left hand hung on a pair of brass butts (9); a magnetic catch (11), type, size & position is left to the discretion of the candidate.

The Instructions, Material List & Drawing should be adhered to as a commercial contract. A tolerance of 0.5mm will be allowed for cleaning up the work. Glue should be used on all joints (14) as required. However, you may need to use alternative hardware as the Hafele references are for guidance only.

NB All dimensions are in millimetres and all finished sizes stated on material list. The numbers in brackets (above) refer to the material list item. **The original drawing** not to scale. Use a combination of the written dimensions on the drawing and the dimensions on the material list for accurate sizing of all elements and information of all other details.

Packing and Dispatch

IF YOU WANT MODEL RETURNED – YOU MUST COMPLY WITH THE FOLLOWING:

The work MUST be securely cased INDIVIDUALLY and labelled for return – packaging to be by light framework covered with 6mm ply and kept to a minimum overall size - if these instructions are not met, then the model will not be returned. Parcel Post should accept this size of package at most depots.