

boy himself, first to full size, and later on to a scale. Accuracy of form and measurement is insisted on from the commencement, and it is surprising to find how soon a lad becomes dissatisfied with anything but the best he can produce. No work is accepted that a boy does not conscientiously believe at the time to be his best; and when a lad has made, say model 3, he often asks to be allowed to make model 2 over again, having discovered during the making of number 3, faults in number 2 of which he was not before aware.

The first lesson necessarily consists of an explanation of the rule and its divisions, whether metric or English, practice in drawing lines of given length, first without the rule and afterwards with, and the drawing also of simple elementary figures to given dimensions. After this the boys are taught by an examination of the model itself and the instructions of the teacher to prepare a simple working drawing. Line by line the model is drawn upon the blackboard, the boys pointing out as the work proceeds the actual

line of the model represented by the line on the board, so that when the drawing is finished the boys have a clear mental picture of the object they are required first to draw and then to make. No mere copying of drawings is allowed, and to prevent this and also to test the efficiency of the instruction, the drawing is erased and the dimensions of the various parts given, and from these and an examination of the model itself the boys are expected to produce a drawing, fully dimensioned, from which the model can be made. At other times they are allowed to measure the model for themselves and make their drawings from their own measurements.

In addition to the models comprising the different courses, suitable object lessons are given on the growth, defects and character of the different timbers used and the construction of the tools employed, and in these lessons care is taken that the boy has an actual specimen of the wood, or the actual tool in his hand, so that upon it he may exercise his own observation and judgment.

The courses are arranged as follows :

First Year :

MODEL.	TIMBER.	DRAWING.
1. Wedge.	Bass or Birch.	Simple elevations.
2. Round Flower Stick.	White Pine.	Working drawings of different stages.
3. Square Ruler.	White Pine.	Isometric projection.
4. Round Ruler.	Pine or Mahogany.	Different stages.
5. Square Flower Stick.	Pine.	Plans and elevations.
6. Key Rack.	Basswood.	Plans and elevations.
7. Fishline Winder.	Birch.	Plans and elevations.
8. Marble Board.	Pine.	Elevation, plan and end elevation.
9. Rope Stretcher.	Birch.	Plan and elevation.
10. Paper Knife.	Birch or Mahogany.	Geometrical construction.

The Second Year's Models are, Flower Pot Cross, Wall Bracket, Small Box, Pin Bowl, Knife or Sleeve Board, Soap Box, Pen Tray or Spoon, Flower Pot Stand, Hammer Handle and Try Square.

The Third Year's Models are, Oxford Frame, Flour Scoop, Scool, Coat Suspender, Boot Jack, Book Stand, Clothes Rack, Axe-handle, Book Shelves, and Knife Box.

Although it is too soon to speak of yet the absorbing interest displayed the permanent effects of the training, by the boys, who are taking to the