

GILBERT
CARPENTRY
FOR BOYS

BY
ALFRED C. GILBERT
YALE UNIVERSITY • 1909

PP 84 - END



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Loop a small rubber band over hooks in top of block and part B. Tie string in staple in bottom of block and thread through staple in part A. Adjust the two short strings and the rubber band till the

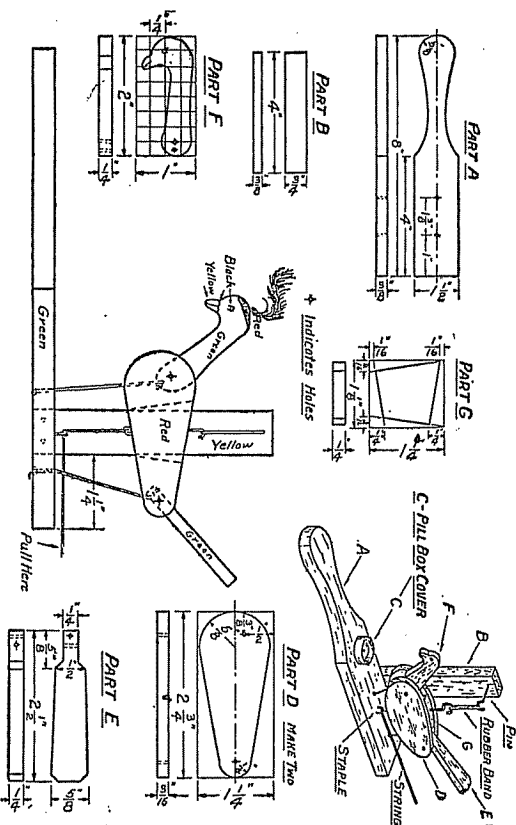


Fig. 67

action of the bird feeding suits you, when the long string is pulled. Mark the point where the beak touches part A and at this place tack the cover of a pill box to represent a feeding-par.

Take apart and paint as indicated on the drawing, being careful not to get the paint on the movable parts; if this occurs, sand it off to reduce the friction as much as possible.

LEG REST Fig. 68

Two kinds of joints are used in the construction of this piece and both demand careful work in laying out and cutting. The joint on part A and the lower part of the end pieces is called a keyed mortise and tenon, while that at the top part of parts D is called a housed joint.

Part A should be gotten out about an inch longer than the finished length, for a reason explained later. Get parts D to length and greatest width, planing taper later.

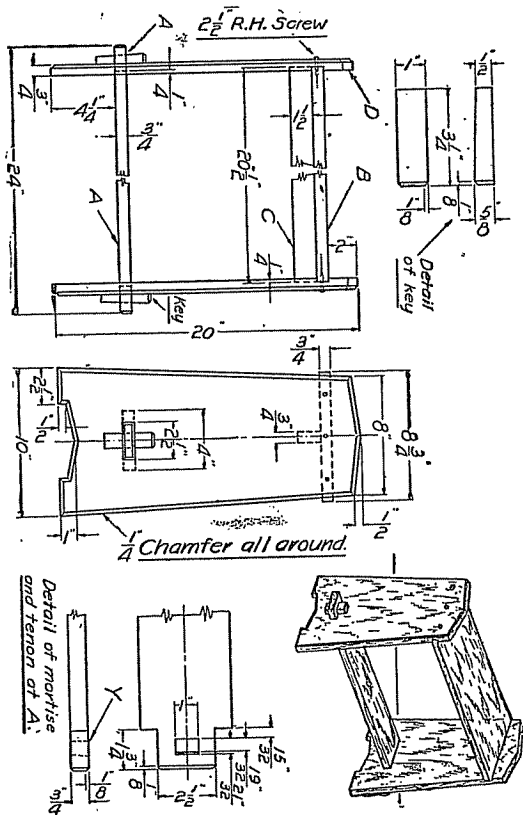


Fig. 68

Lay out mortises first in D in which the tenons on A fit. Next lay out the mortise that is to be cut clear through a piece out the housed joint.

should be laid out from both sides. The cutting should be done simply. You must do this work with care.

Next lay out the mortises on A. Remembering that your stock is an inch longer than the finished size, locate the center of the piece lengthwise, then lay out your tenons by working from this center line. Do not measure in from the ends. The additional stock is provided, so that the chance of splitting, when cutting the mortise, is reduced. When the mortises are done, the excess stock can then be cut off. Note that the inside of the mortises at Y is square with the surface of the board, but that the other end is slightly slanted.

Next make the keys and bore the holes for the screws. When all parts are ready, fit them together. If satisfactory, take apart and cut the taper on parts D, after which plane the chamfers. Finally, sand-paper thoroughly.

If oak is used, stain as desired and apply a thin coat of shellac, then wax.

Boy Carpenters

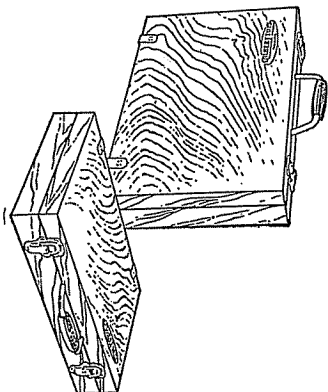
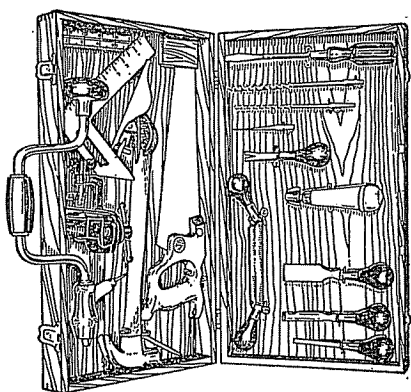
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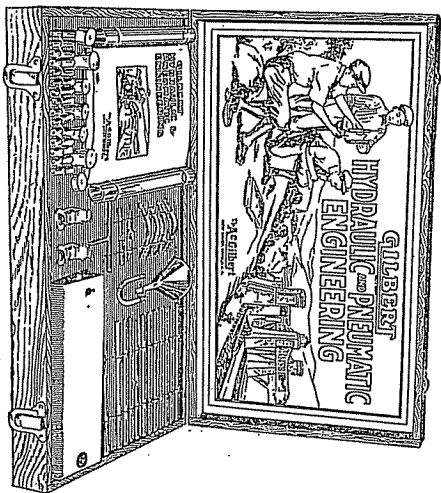


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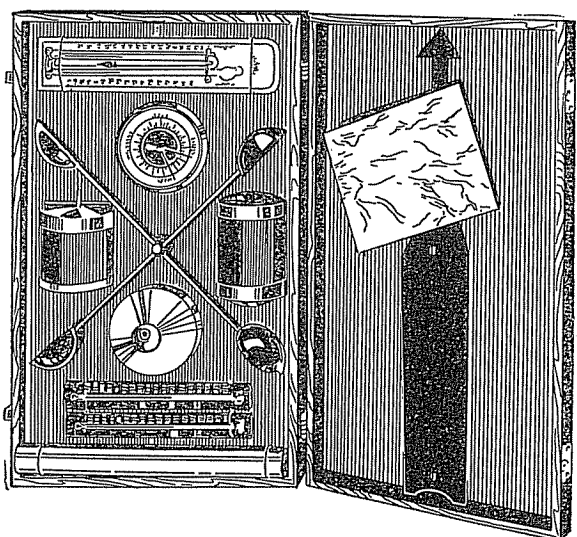
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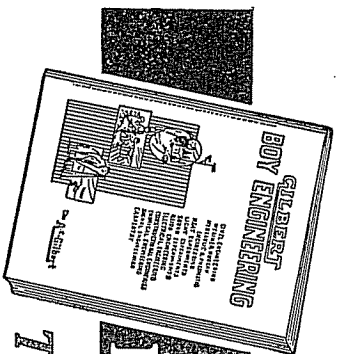
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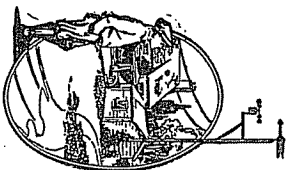
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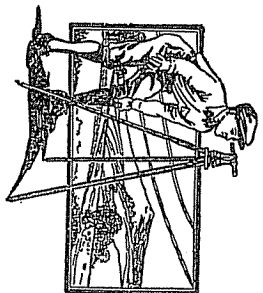
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