

ahead position, as a permanent steering rudder is fitted on the transom. The tiller works in the well in full view, allowing immediate attention. The decks are fairly clear, and access is gained by steps on the main bulkhead.

Choice of engines will depend on the owner's requirements or pocket, but it is recommended that a 4 h.p. or 6 h.p. engine be installed to attain a mean speed of about 6-7½ m.p.h., considered an economical speed for this design, but an 8 h.p. engine can be provided, although the weight should not exceed 300 lb. The total weight of outboards should not exceed 120 lb. Some owners may be tempted to provide much greater power, but will be disappointed to find that the power

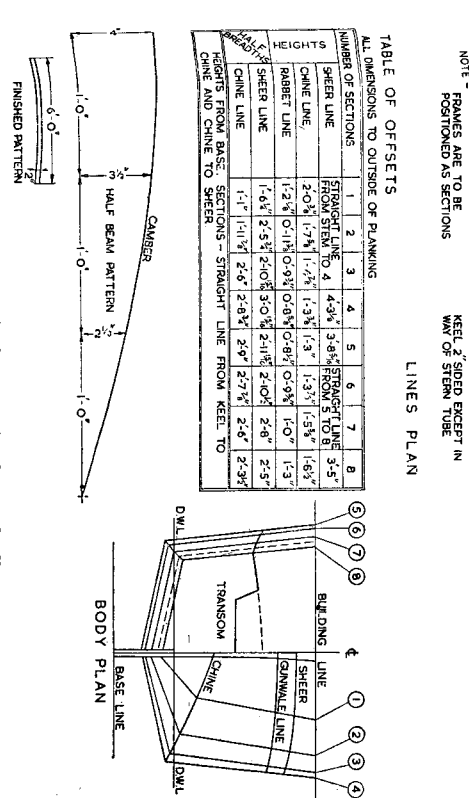
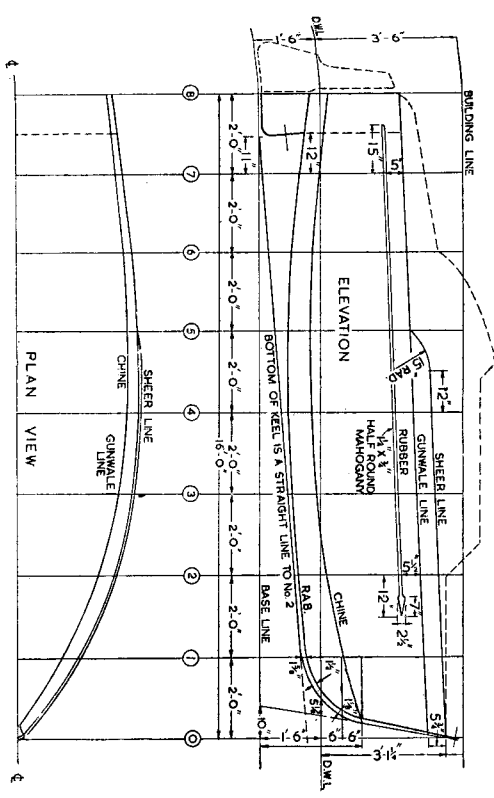


Fig. 40. The lines, body plan and offsets.

does not show much improvement in the speed, except to cause the craft to make a lot of fuss under way.

A word of warning—do not depart from the dimensions, and in particular do not attempt to increase the headroom, as it will upset the balance of the profile, when you will be disappointed with the results.

Rutland can be easily built by two friends or with the help of the family. Apart from the plans and timber, all that is needed is an ordinary set of carpenter's tools, the space for building and the ambition to own this inexpensive little ship.

SPECIFICATION

**General.**—The builder must keep to the plans and specification to ensure a successful and pleasing design.

**Stem.**—Made up of apron, forefoot, deadwood and stem face in oak. See stem details. Fit ½-in. half round brass stem band.

**Hog.**—Oak 4 in. wide by 1½ in. thick bevelled to suit.

**Breasthook.**—Oak 7 in. sided with 10-in. arms and shaped.

**Stern knee.**—Oak 1½ in. sided and shaped as plan.

**Keel.**—Oak or mahogany sided 2 in. with 3 in. sided piece in way of stern tube. Fit 1½-in. by ⅜-in. mild steel keel band.

**Stern tube chock.**—Oak 4 in. sided as plan.

**Transom.**—Made of ⅜-in. waterproof plywood marked BSS. 1088 rabbeted to a 4½-in. deep by 1½-in. thick strong back to take outboard motors. Size and details of transom set out on full-size frame plan and drawing.

**Frames.**—Mahogany ⅝ in. sided, bottom part 3 in. parallel, side piece to taper from 3 in. to 2 in. in 3 ft. 10 in. Brackets ½ in. thick, unless otherwise stated. Frames drawn out full size. Floors 7 in. thick.

**Planking.**—W.P. plywood BSS. 1088. ⅜ in. thick on bottom and ⅝ in. thick on topsides. Joints backed by 6-in. wide by 7 in. thick mahogany fitted over side and bottom stringers.

**Gunwale.**—Mahogany 2 in. deep by 7 in. thick let into stem, frames and transom frame.

**Sheer stringer.**—Mahogany 2 in. deep by 7 in. thick.

**Side stringer.**—Mahogany 2 in. deep by 7 in. thick.

**Bottom stringer.**—Mahogany 2 in. wide by 7 in. thick.

**Chines.**—Oak 3 in. wide by 1½ in. thick tapered forward.

**Deck.**—W.P. plywood BSS. 1088 1⅝ in. thick.