

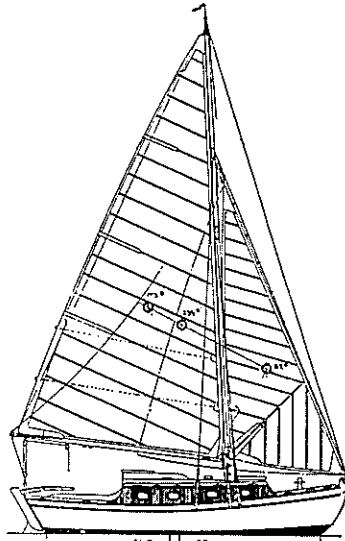
# YACHTING MONTHLY

Fully - detailed plans for amateur building  
of round bilge keel, CB, or bilge keel sloop

## 17/20ft 3-Tonner

### DIMENSIONS

LOA .....	20ft 0in
LWL .....	17ft 0in
Beam .....	7ft 1½in
Draught (ex-C.B.) .....	2ft 4in
(C.B. down) .....	4ft 3in
Draught (keel model) .....	3ft 6in
Headroom (under mast beam) .....	4ft 2in
Headroom (under hatch) .....	4ft 6in
Displacement .....	2.36 tons



*Bm* sloop rig 235 sq ft  
*Gaff* sloop rig 259 sq ft

IT has been said by those who have searched yacht yards in vain that the only way to get your dream-ship is to build her. Most sets of plans designed for amateur building are for plywood and chine construction. But some builders are keen to try their hand at a good round bilge boat with steamed and bent frames and normal planking.

To meet this demand for plans of a round-bilge sailing cruiser which can be built by one or two amateurs, in which they can sleep and sail round the coast, and to encourage our readers to get even a small cruising boat, this design was specially prepared for us by Alan H. Buchanan, A.R.I.N.A., A.R.A.E.S.

The YACHTING MONTHLY 17/20ft 3-tonner is an able little cruiser capable of making sea passages under normal conditions, and she is almost ideal for two. Although designed as a centreboard boat the plans embody the necessary data for a fixed keel as well as a bilge keel version to meet the requirements of those who want a boat of deeper draught—one to sit upright on the ground.

Very careful thought has gone into this design, and almost every detail, from the design of the hull and its form of construction to the two alternative rigs and their rigging details, has been subjected to careful scrutiny and discussion. The hull form was designed to make planking by normal method as simple and as little wasteful of timber as possible; hence the nicely rounded sections and total absence of reverse curve to the garboards. The keel and deadwoods are built up so as to avoid the need for any large baulks of timber.

The lines have been checked for balance, and whilst there is a clean run aft the quarters have been given sufficient fullness or bearing to prevent excessive squatting which is so prevalent in very small craft designed to conform to the current perfect balance theories. Both the keel model and the C.B. model should prove stiff and able little boats at sea and handy on the helm.

Here is no sketchy set of lines and accommodation plans with many points left to the builder to work out for himself. With an admirable thoroughness which other contemporary designers might well copy, A. H. Buchanan has produced as complete a set of detailed drawings as we have ever seen for so small a craft. They comprise not only details for building this sloop with a centreboard and light draught, or with a fixed keel and drawing a foot more, or again with either lead or iron keel, but the drawings include every

relevant detail of material and construction needed by the inexperienced builder.

The complete set of plans comprises nine sheets of drawings, made up as follows:

*Sheet 1:* Lines (C.B. and keel model), offsets table and three ballast keels in lead and iron.

*Sheet 2:* Fully detailed construction plan.

*Sheet 3:* Construction of ballast keel of keel model and three alternative auxiliary engine installations.

*Sheet 4:* Accommodation and stowage of equipment plan.

*Sheet 5:* Bermudian sloop sail plan, rigging details, etc.

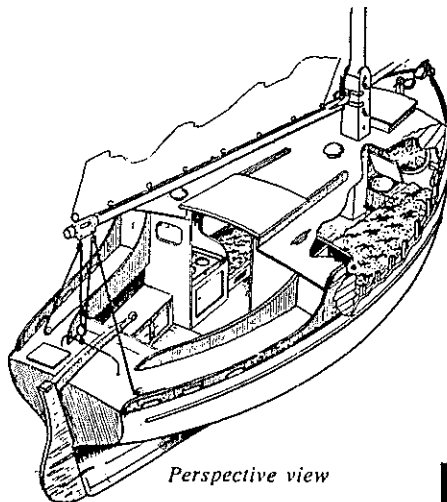
*Sheet 6:* Gaff sloop sail plan, rigging details, etc.

*Sheet 7:* Building process sheet, giving data on operations and their sequence in building from start to finish.

*Sheet 8:* Schedule of timber required for entire job.

*Sheet 9:* Details of bilge keels.

Each set of plans is complete in itself, all items of construction and equipment being shown. These include, for instance: Scantlings and all measurements of timber, construction of mast and spars and keel (iron or lead) or slotted for centreboard, three alternative methods of making the centreboard (built-up oak, resin-bonded plywood, or mild steel plate), details of bilge keels, ironwork, interior finish, painting, list and sizes of bolts, fastenings, screws, etc., and perspective views of many parts showing method of building.



Builders are advised to refer to *Complete Amateur Boat Building* by Michael Verney, available from the Eventide Owners Association, in which instructions for building this boat are incorporated.

Builders and owners of these boats can join the Eventide Owners Association.

**YACHTING  
MONTHLY**

