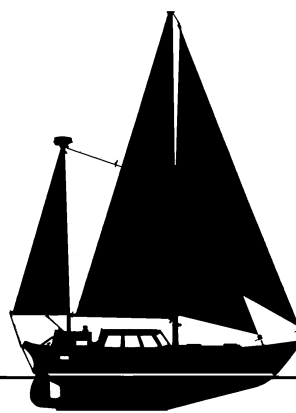
Lug Schooner *Inscrutable**Inscrutable* With Cutter RigKetch Rigged *Orphan Annie*Cutter Rigged *Orphan Annie*

## *Inscrutable & Orphan Annie*

45' Lug Schooner or Cutter & 45½' Cutter or Ketch

Designs Number 144 & 190

1977 & 1979

***Inscrutable*:** The concept for this very well thought-out voyager was the result of lots of time spent voyaging on a smaller boat, dreaming of "what if" and how to do it better the next time. The clients came to us with nicely developed drawings of what they wanted, simplifying the time required to turn her out as a custom design.

The accommodations can be thought of as a three-zone living layout. The central area has the galley, navigation, head and sea berths — all in the area of least motion. The owner's cabin is in the stern and the saloon and guest cabin/workshop is in the bow.

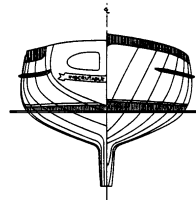
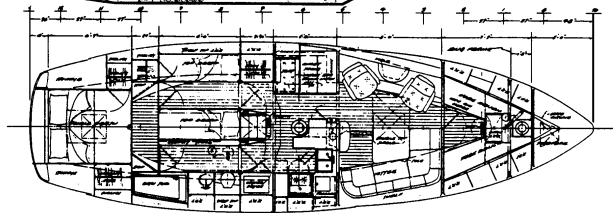
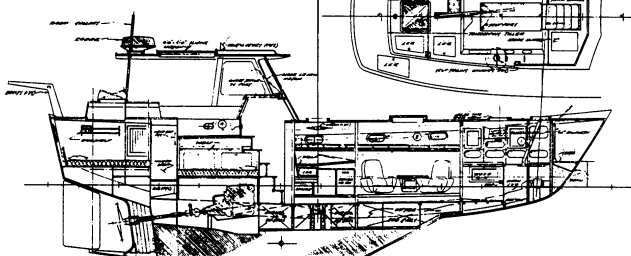
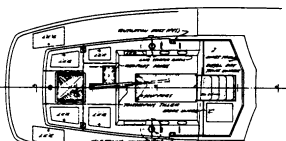
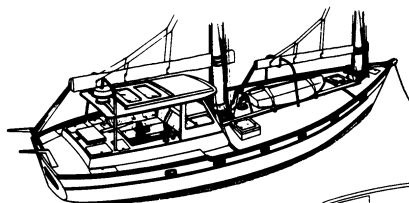
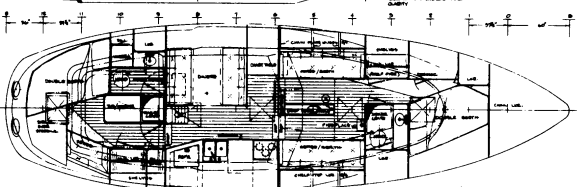
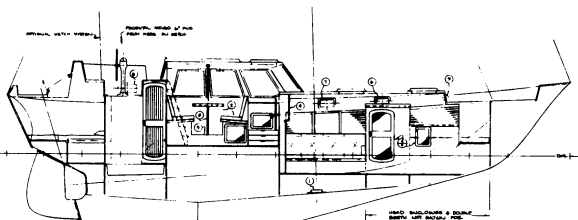
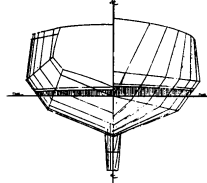
There are two versions, the original round bilge one and the multi-chine one for steel construction. Both have good stability and sail carrying power.

***Orphan Annie*:** These pilothouse auxiliaries are designed for multiple uses — from living aboard to passage making. They have private double staterooms with their own heads and showers at each end of the boat, giving plenty of separation for privacy with guests aboard. There is an inside and outside steering station. The outside one is in the elevated cockpit, giving great visibility forward for sailing and making landings. She has plenty of form stability to make for comfortable and powerful sailing.

### Particulars:

	190	144
Length overall	45'-6"	45'-6"
Length designed waterline	37'-6"	39'-0"
Beam	14'-0"	13'-11"
Draft	5'-6"	6'-0"
Freeboard:		
Forward	6'-0"	6'-3"
Least	3'-9"	4'-6 3/8"
Aft	5'-6"	5'-5 3/4"
Displacement, cruising trim, lbs.	33,500	35,200
Displacement-length ratio	284	265
Ballast, lbs.	10,000	10,500
Ballast ratio	30%	30%
Sail area, sq. ft.:		
Cutter	1,032	1,082
Ketch or Schooner	1,050	1,150
Sail area-displ. ratio:		
Cutter	15.88	16.12
Ketch or Schooner	16.17	17.13
Prismatic coefficient	.54	.54
Pounds per inch immersion	1,730	1,771
Entrance half-angle	20°	22½°
Water/Fuel Tankage, Gallons	280/300	300/205
Headroom	6'-5" to 6'-7"	6'-6"
GM	4.7'	4.4'

**\*Caution:** The displacement quoted here is for the boat in coastal cruising trim. That is, with the fuel and water tanks filled, the crew on board, as well as the crews' gear and stores in the lockers. This should not be confused with the "shipping weight" often quoted as "displacement" by some manufacturers. This should be taken into account when comparing figures and ratios between this and other designs. Also, loading down for voyaging and living aboard will add considerably to these figures, perhaps as much as 20%. Designs like these which load down gracefully and still sail well make good choices for voyaging.

*Inscrutable**Orphan Annie*