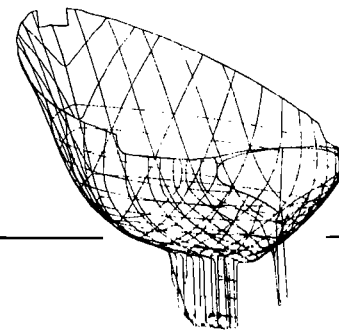


DESIGN NO. 70
 SAIL PLAN
 FOR 74 CHIRO BROS. LTD.
 NOV. 6, '74

ROBERT H. BEEDY
 YACHT DESIGNER
 1970 WASHINGTON AVE. S.
 SEATTLE, WASH. 98148
 TEL. 225-2881

LOFT 31'-0" DECK 2'-0" BOW 11'-6" DEPTH 4'-0" OVERHEAD 1'-0"

ROBERT H. PERRY
YACHT DESIGNER

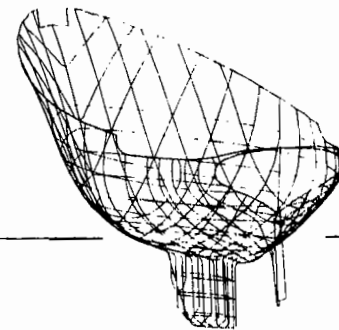


CT-37 Designer's Comments

The CT-37 is my approach to satisfy modern performance parameters with the traditional "Colin Archer" aesthetics. While I have retained a very traditional look topsides with bold sheer and a 6" high bulwark, I have completely departed from tradition in the under water lines. The CT-37 water lines are very easy, finer forward and less symmetrical than the "Colin Archer" type. The buttocks exhibit none of the excessive rocker, which contributes to the "Colin Archers'" typical hobby-horsing. I have separated the keel from the canoe body in terms of doing away with the hollow garboards and slack bilges of the traditional model. I firmly believe that the ideal keel is strictly an appendage on a fair canoe body. In profile, however, the keel shape is quite traditional although I have cut the forefoot away more than is usually seen on this type of vessel.

What have I gained by these changes? This design surpasses the popular "Colin Archer" types on all points of sail. Her easily driven shape and prismatic coefficient of .52 impels her to perform well in light airs and her shallow body, firm-bilged sections give the form stability needed to carry sail in a breeze.

ROBERT H. PERRY
YACHT DESIGNER



Her performance to weather is clearly superior to most vessels of this type due to my treatment of the keel. With her generous rudder and cutaway forefoot, she maneuvers easily yet the lateral plane of the keel is still sufficient to ensure self-steering qualities.

The distribution of beam as shown in the plan view is indicative of the volume I have designed into the ends of the boat. This means the bow configuration will keep the boat dry sailing to weather and the stern will rise nicely to a following sea.

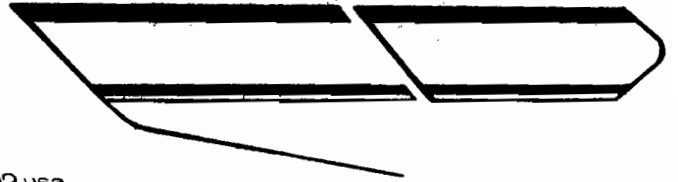
Displacement/length ratio: ~~242~~. 344

I have designed two rigs for the CT-37. The one shown is the cutter. While at first glance it appears to be a tall rig, my idea was to provide a rig of sufficient power to eliminate the necessity of carrying genoas. The hull certainly has the stability to carry this rig. I personally prefer the cutter to the ketch because its greater efficiency is more consistent with the windward ability I have designed into the hull.

Sail/displacement ratio: 17.1.

FLYING DUTCHMAN YACHTS

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CT-37 Double-ended Sailing Yacht Ketch, Cutter and Pilot House

Standard Equipment List:

Molded fiberglass hull and deck, hand laminated mat and woven roving to meet or exceed Lloyds specifications

Teak decks, 3/4" secured in thiokol

Volvo MD-3b diesel engine, 36 h.p.

100 gallon black iron fuel tank

Stainless steel drip pan under engine

Main sail, 8 oz. dacron with two rows of reef points

Jib sail, 7 oz. dacron

Staysail, 6 oz. dacron

Mizzen, 7 oz. dacron (ketch)

Sail covers and bags for all sails

Wood blocks for all sheets and tackle

Two stainless steel jib sheet winches, 2-speed, #22 Barlow

One stainless steel main sheet winch, 2-speed, #22 Barlow

Three stainless steel Barlow halyard winches

Winch handles for all winches

Club staysail boom with fittings

Hot and cold pressure water system with 12 volt pump

110 volt hot water heater

100 gallon stainless steel water tank



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MODEL

Ideal	Single Burner Kerosene Stove	\$124.75
062	Double " " " "	169.95
028S	" " " "	230.00
	(with Cast Iron Top)	
029S	Double Burner Kerosene Stove	\$260.00
	(Cast Iron Top & Warming Oven)	
029B	" " " "	270.00
030S	Double Burner Stove Kerosene	
	(Cast Iron Top With Oven)	\$539.00
030B	" " " " "	565.00
022S	Double Burner Kerosene Stove	\$260.00
065HS	Pressure Kerosene Cabin Heater	\$299.00
065HB	" " " "	315.00
066DS	Drip Diesel Cabin Heater	
	(Wall Mounted)	\$260.00
072DS	Drip Diesel Cabin Heater	
	(Floor Model)	\$354.00
072DWS	Drip Diesel Cabin Heater	
	(Floor Model With Hot Water Coil)	\$395.00

* KEY - B - BRASS
S - STAINLESS