

JAMES BACKUS YACHT DESIGNERS INC.

Distinctive Classic and Contemporary Yacht Designs.

VICTORY 37 DESIGN REVIEW

The Victory 37 Tugboat design is the three dimensional result of a concept put forth by Mr. Loren Hart, president of Admiralty Ltd.

Several preliminary design discussions honed the major aspects of the yacht into a feasible, functional design from which the final design work would commence. Paramount to the tug's characteristics were the following:

1. An efficient displacement hull capable of providing excellent fuel economy at speeds equal to or exceeding hull speed.
2. A fine tracking, easily steered hull.
3. A true tugboat profile both in terms of the hull and abovedecks. Using a trawler hull and deck was deemed unacceptable.
4. Provide a spacious interior that met the requirements of the entire crew.
5. Design the tug to meet ABS standards.

The profile of the Victory tug is based on combining the attributes of several major commercial tugboat designs. The sheer was developed to provide a show of strength, a statement of seaworthiness and a safety factor forward using high bulwarks. The sheer was located such that the caprail is at the same height at its lowest point as a twenty-four inch stanchion. The main cabin, pilothouse and stack were all doubled designed to provide comfortable interior areas sized in proportion to their functions while also retaining the authentic exterior profile. In both the pilothouse and main cabin viewing out while seated is possible to maximize the shipboard comforts. Using opening ports and hatches in conjunction with dorade vents allows for excellent cross-ventilation to all areas of the tug.

The Victory 37 hull is based on a New England lobsterboat type hull of the same size. With a fine entry forward and flat run aft, the tug provides for efficient displacement running. Up to hull speed little or no wake is developed due to the hull form. Maximum speed obtainable is approximately ten plus miles per hour. Clean, rounded sections forward eliminate any possibility of pounding while the fullness of the forward sections provide substantial reserve buoyancy in a head sea. A full length keel fitted with an oversized rudder furnish stable tracking complimented by responsive steering even at low speeds. The Victory 37 can be turned almost on her own length, and backing into a slip is a reality.

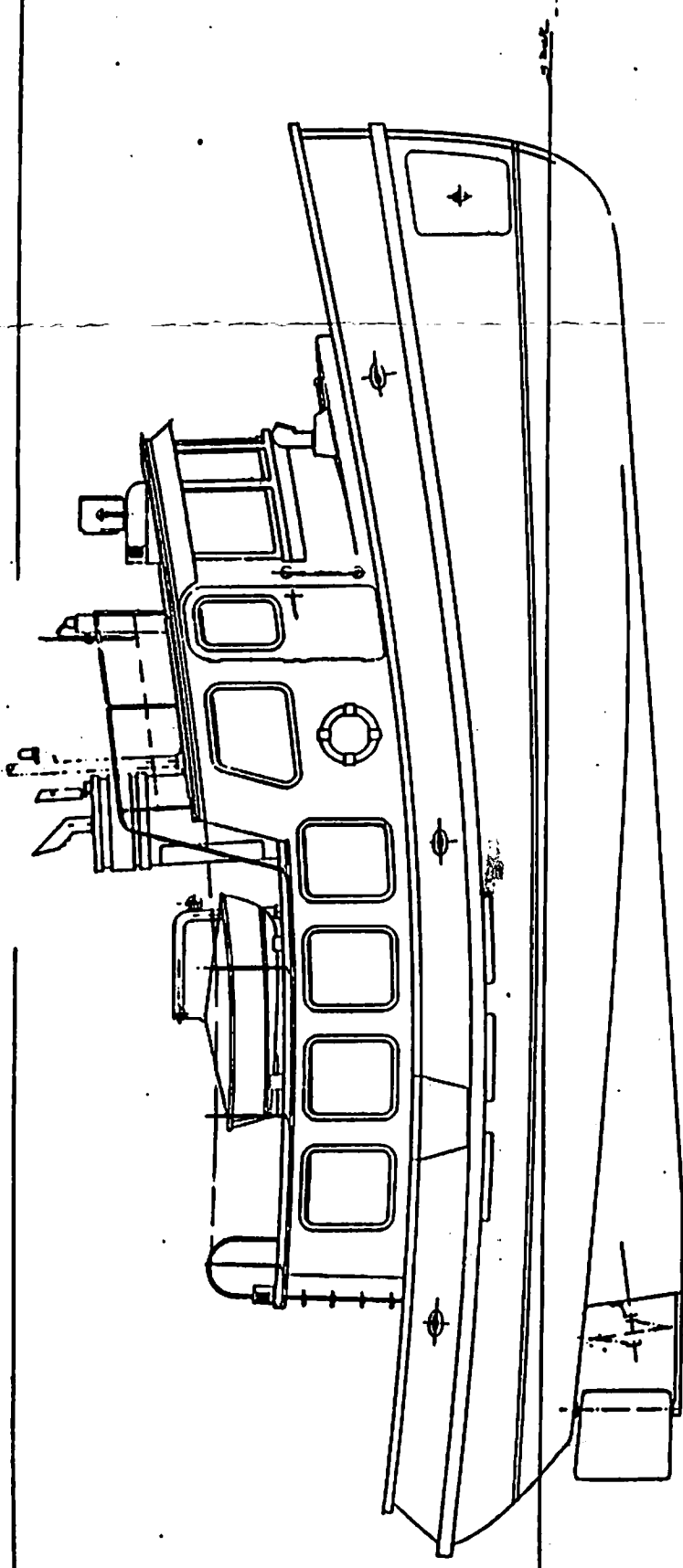
On deck, for safety in a seaway, the deck is provided with three freeing ports per side to dump any green water taken aboard back into the sea. Small scuppers are used only to facilitate rainwater runoff. Freeing ports accommodate the sea. The walkaround fore and aft has been designed to allow easy movement its entire length. Walking the decks with the fore and aft rise parallel to the sheer heightens the feeling of being aboard a truly functional boat. Thru deck access hatches in the stern allow for lines and fenders stowage besides steering quadrant inspection. Forward a thru deck hawse pipe optimizes anchoring as the crew need not lean over the nearly three foot high bulwarks forward.

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The interior reflects a functional, spacious living area that is flowing yet provided distinct, separate sections of activities. Without question, the pilothouse is a pilothouse with its full circle view. Similarly, the main cabin and galley, though flowing up into the pilothouse are separate and each retains its own atmosphere and identity. The head forward is split with the shower separate to increase its usefulness which is a feature found on few boats of the Victory's size. The large stateroom forward with its convenient seat and curved housesides will instill the feeling of a large catboat for all sailors who come aboard.

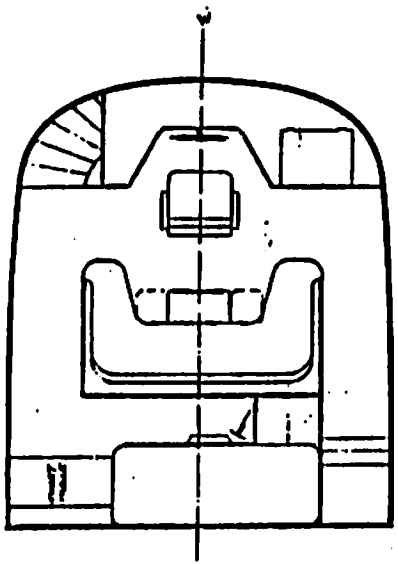
In summary, the Victory 37 is a unique, handsome tug/yacht that possesses many of the functional attributes of the hard working commercial tugs melded with the comforts and versatility of a yacht.



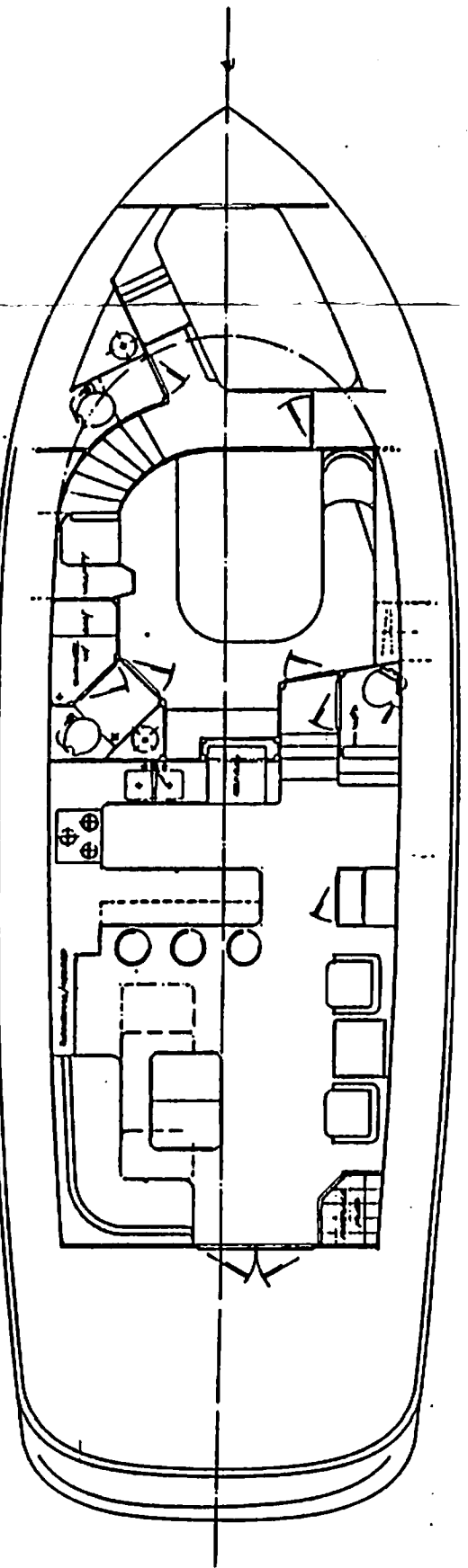
DESIGN CHARACTERISTICS

DESIGN SPEED	18:00
DESIGN DISPLACEMENT	49:00
DESIGN LENGTH	14:8
DESIGN BREADTH	8:10
DESIGN DRAUGHT	8:00
DESIGN POWER	2,000
DESIGN FUEL CONSUMPTION	2,000

ALL DIMENSIONS ARE IN FEET AND INCHES.
ALL DIMENSIONS ARE APPROXIMATE.
ALL DIMENSIONS TO FACE UNLESS NOTED.



PLAN VIEW OF DECK



46' VICTORY TUG

DESIGNED BY: [REDACTED]

DESIGNED AT: [REDACTED]

DESIGNED FOR: [REDACTED]

DESIGNED BY: [REDACTED]

DESIGNED AT: [REDACTED]

DESIGNED FOR: [REDACTED]

DESIGNED BY: [REDACTED]

DESIGNED AT: [REDACTED]

DESIGNED FOR: [REDACTED]