

OWNERS TEST REQUIREMENTS:
THE CASTING ANNEALED PROPERLY THE TEST PIECES OWNERS USE ARE TO SATISFY THE FOLLOWING:

| MATERIAL | ULTIMATE TENSILE STRENGTH | | ELONGATION PER CENT IN BRITISH STANDARD TEST PIECE 3" O. D. AS APPROPRIATE NOT LESS THAN | BENDING TEST ON BAR 1" WIDE $\frac{3}{8}$ " THICK AND RADIUS OF 1" ANGLE NOT LESS THAN |
|------------|---------------------------|-------------------|---|---|
| | TONS PER SQ. INCH | TONS PER SQ. INCH | | |
| | NOT MORE THAN | NOT MORE THAN | | |
| CAST STEEL | 35 | 26 | 20 | 120° |
| PART STEEL | 32 | 28 | 25 | 150° ON RAD OF $\frac{1}{8}$ " INCH |

RUDDER AS DESIGNED.
TOTAL AREA. 199.5 SQ FT.
AREA AFT OF E OF PINTLES - 171 SQ. FT.
CG AFT OF E OF PINTLES - 5.49 FT.
STOCK DIAM. - $23 \frac{3}{4}$ INCH - 143
"V" TAKEN AT 16 KNOTS.
STOCK DIAM PER OWNER - 15"

| | |
|--|----------|
| DECK PLATE | 3 |
| DECK PLATE TO BOTTOM OF TOWER | 1-5 1/2 |
| TOWER | 1-7 3/4 |
| PROTECTION | 1 |
| HEIGHT OF STOCK ABOVE HULL OF BEAM | 3-2 1/2 |
| HULL BEAM HEIGHT OF MAIN DECK ABOVE BASE | 30-1 1/2 |
| | 35-4 1/2 |
| PAGE OF COUPLING ABOVE BASE | 25-1 1/2 |
| LENGTH OF STOCK ABOVE PAGE OF COUPLING | 15-2 1/2 |

SECTION THRO' BUCKET (LOOKING FORD)

SCALE: - $1\frac{1}{2}" = 1 \text{ FOOT}$.

SECTIONAL PLAN THRO' BUCKET

SECTION THRO' BUCKET (LOOKING TO PORT)

ELEVATION OF KE
3" = 1 FOOT

LIGNUM VITAE LINER TO BE FITTED
IN STRIPS 3 1/4" WIDE
SCALE 1 1/2" = 1 FOOT

PLAN AT TOP OF BUCKET
SHOWING FILLET

DETAIL OF LIFTING EYEBOLT

TEST LOAD OF
EYEBOLT = 2.1 TONS

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Final Rudder
Caledon & Co

No. 397.

TELEMACHUS



RECORDS DEPT.,
LONDON.

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