

SCALE 1" = ONE FOOT.
DETAILS - SCALES AS INDICATED.

CONSTRUCTION NOTE:-
RUBBER FRAME TO BE LAID ON TOP OF BOTTOM PLATE.
ALL INSIDE SURFACES OF RUBBER TO BE COATED WITH BITUMINOUS SOLUTION.
SACK MIXTURE TO BE FILLED IN THE THREE COMPARTMENTS TO TOP PLATE LEVEL.
TOP PLATE LAID ON POSITION, ENTIRE RUBBER COVERED COMPLETE, & SEAMS CAULKED.
BITUMINOUS SOLUTION Poured INTO EACH COMPARTMENT UNTIL FULL.
CLOSING DISCS WELDED INTO FILLING HOLES, & FILLET WELD ROUND LIFTING EYE.
WRAPPER PLATES "FITTED" IN POSITION & WELDED AS INDICATED.

DIMENSIONS - 400'-0" B.P. X 51'-3" M.D. X 30'-6" M.D. TO UPPER DECK.
TO CLASP 100 A-1 AT LLOYDS SPECIAL SURVEY.
LOAD DRAFT - 25'-0" SPEED 10% KNOTS
TOTAL IMMERSED AREA OF RUDDER FROM FORE SIDE OF POST = 144 SQ FT
CENTRE OF GRAVITY OF AREA FROM CENTRE LINE OF FINITELS = 4.69 FEET.
A/D = 676 DIA² OF RUDDER STOCK = $11\frac{1}{2} \times \frac{1}{2}$ INCHES IN = 12"
KEYWAYS, ETC. TO BE CUT IN RUDDER STOCK TO PARTICULARS GIVEN.
RUDDER STOCK TO BE ACCURATELY TURNED TO DIMENSIONS GIVEN.
RUDDER FRAME TO BE ACCURATELY CAST TO SHAPE, AS PER DETAILS.
RIGID HOLES TO BE BORED PLUMB TRUE, FRAME, SIZE MUST NOT BE LESS THAN GIVEN.
RUDDER NOT TO EXCEED GIVEN SCANTLINGS, EXCESS OVER EST. WEIGHT WILL NOT BE PAID FOR.
PATTERN OF RUDDER FRAME TO BE APPROVED BY SHIPBUILDERS' DESIGNER BEFORE CASTING.

NOTE:- CORRECT SPACING OF RUDDER
GUDGONS TO BE LIFTED FROM
STERNFRAME BY LITHOWNS LIFT
+ SENT TO RUDDER MAKERS

HEIGHT OF DECK ABOVE BASE LINE OF SHIP - 26'-10⁵/₁₆"
 LENGTH OF STOCK ABOVE DECK - "
 TOTAL LENGTH OF RUDDER ABOVE BASE LINE OF SHIP -
 HEIGHT TO BOTTOM OF RUDDER STOCK - 20'-6"
 TOTAL LENGTH OF RUDDER STOCK -

COUPLING KEY $\frac{3}{8}$ " x 1" AT AFT END
TAPERING TO $\frac{3}{8}$ " x 1" AT FORE END
DRIVEN FROM AFT END.
 $\frac{3}{4}$ " DIA. SET SCREW TO KEY.
(KEY NOT REQD BY RULE)

DETAIL OF RUDDER COUPLING.
COUPLING 2 1/2" DIA.
COUPLING FLANGES 3 1/2" THICK
SIX - 3/8" DIA. "FITTED" STEEL BOLTS.
EFFICIENTLY LOCKED WITH COTTER PINS
BOLTS 2 1/2" PITCH CENTRE DIA.
CARE TO BE TAKEN THAT NUTS DO NOT

NOTE:- WHEN FLOATING RUDDER,
CARE TO BE TAKEN THAT
PIVOTS ARE ALL BEARING
EVENLY ON THE DISCS.

NOTE:- KEYWAYS TO BE CUT SQUARE ENDED.
DEPTH OF KEYWAYS MEASURED
AT CENTRE LINE OF RUDDER STOCK

DETAIL OF KEYWAYS

W.T. RUDDER STUFFING
LITHGOND. PATTERN NO.

SNP - 26-10⁵/₁₆
-
OF SNP -
- 20-6¹/₂
CK -

45°

BOLTS.

ER PINS.

STA

NOT FOUL.

RUDDER COUPLING TO BE SUPPLIED COMPLETE BY RUDDER MAKERS
COUPLING FAYING SURFACES TO BE MACHINED.

1/8 DIA. CENTER RING BY RUDDER MAKERS.
SHO TO BEAN AGAINST BUT WHEN
PINTLE IS HAND UP IN POSITION.

5/16 DIA. PINTLE
5/16 DIA. OVER BRASS BUSH

5/16 BRASS BUSH ON PINTLE
BY RUDDER MAKERS.

5/16 BRASS BUSH ON END OF
PINTLE TO BE 5/16" THICK

DETAIL OF TOP (LOOKING) PINTLE
SCALE 1/4 FULL SIZE

DETAILS NOT INDICATED SIMILAR TO SKETCH BELOW.

1/8 DIA. PINTLE
5/16 DIA. OVER BRASS BUSH

5/16 BRASS BUSH ON PINTLE
BY RUDDER MAKERS.

5/16 BRASS BUSH ON END OF
PINTLE TO BE 5/16" THICK

DETAIL OF INTERMEDIATE PINTLE
SCALE 1/4 FULL SIZE

5/16 DIA. PINTLE
5/16 DIA. OVER BRASS BUSH

5/16 BRASS BUSH ON PINTLE
BY RUDDER MAKERS.

5/16 BRASS BUSH ON END OF
PINTLE TO BE 5/16" THICK

DETAIL OF BOTTOM PINTLE
SCALE 1/4 FULL SIZE

DETAILS NOT INDICATED SIMILAR TO SKETCH ABOVE

NOTE:- ALL PINTLES TO BE SUPPLIED COMPLETE BY RUDDER MAKERS.
PINTLES TO BE OF STEEL, MADE & EFFICIENTLY FITTED AS PER DETAILS.
BRASS BUSHES MUST BE TURNED IN ONE PIECE & PROPERLY SHRUNK ON PINTLES.

APPROVED *for 9044*
LLOYD'S REGISTER OF SHIPPING
Buckley
DATE *22/12/36*

LITHGOWS LTD

(10)

Nº 881-2

v 10904/912

RUDDER

(10)

Nº 881 S. S. JALAGANGA *

GREENOCK 1st ENTRY

REPORT Nº 20151

882

S. S. "JALAYAMUNA"

GREENOCK FIRST ENTRY REPORT Nº 20168.

S. S. "Jalakrishna"

Greenock First Entry Report Nº 20484.

S. S. "El Amal"

Grk First Entry Report Nº 20581.



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