

STERNFRAME & RUDDER

SCALE 1/2" TO 1 FOOT.

DETAILS AS MARKED

TO LLOYDS CLASS

1ST LONGITUDINAL NUMBER $L \times D = 305.8 \times 21.5 = 6575$

CR OF GRAVITY ABOARD CR LINE OF TUNNEL = 85%

| | | |
|-----------------------|----------------------|-----------|
| $A \times D = 278.37$ | SPEED UNDER 12 KNOTS | $= 3.275$ |
|-----------------------|----------------------|-----------|

DIAMETER TO RULE = $8\frac{1}{4}$ "

8½" filter

MATERIALS

STERNFRAME
RUDDERSTOCK
RUDDER - FRAME
PINTLES

TO BE OF BEST
SELECTED FORGED
SCRAP IRON.

MILD STEEL

MACHINING

STERNFRAME :- FACES OF GUDGEONS TO BE MACHINED
GUDGEONS TO BE LINED UP + BORED TRUE
INA LATHA TO ENSURE PERFECT ALIGNMENT
& STEEL PUSHERS FITTED
Boss Bored To 2" DIAM^R PARALLEL
RIVET HOLES DRILLED AS SHEWN.

RUDDER :- RUDDER STOCK TO BE TURNED FOR QUADRANT,
BEARING STUFFING BOX
SCARPS TO BE MACHINED + FITTED TRUE +
DRILLED + FIT BOOTS FITTED
PINTLES TO BE MADE + FITTED
RIVET HOLES DRILLED AS SHEWN.

Rec'd

RUDDER :-

SECTIONS THROUGH RUDDER
1" TO 1 FOOT.

PLAN OF TOP ARM

SECTION AT E-E

SECTION AT "F" - "F"

SECTION AT "G.G"

PLAN OF BOTTOM ARM.

INTERIOR SURFACES
OF RUDDER PAINTED
WITH BLACK VARNISH.

RIVETS TWO SEAM AT BACK
OF RUDDER $\frac{7}{8}$ DIA. $4\frac{1}{8}$ APART
OUTER ROW
RIVETS GENERALLY TWO
RUDDER FRAME + ARMS DRILLED
 $1\frac{1}{16}$ FOR $\frac{7}{8}$ RIVETS $\frac{1}{8}$ APART.

CONNECTION TO
TRANSOM FLOOR

CONNECTION TO
FRAME 2

DETAIL OF COUPLING

1 1/2 TO 1 FOOT

DETAIL OF BOSS

PINTLE
A.

PINTLES
B.&C

PINTLE
D

DETAIL OF PINTLES

3" TO 1 FOOT

DETAIL OF HEEL OF POST 1" TO 1 FOOT

1107-8

1107-8

Grays 11044 1108
Sternframe & Rudder

5.

S.S. "EMPIRE BAY"

W. HPL. RPT. No. 18091.

"EMPIRE SEDGE" *

N/N' Holmside

11h Guaracha



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Lloyd's Register
Foundation

009789-009795-0076

Lloyds 1107 + 8
Stern frame & rudder

1107 + 8

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STERN FRAME & RUDDER

LLOYDS APPROVER

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