

S.S. N^{os} 283-4.

12.5.11

SIZE OF ARM 2 DIARS OF RUDDER HEAD FROM CE - $5 \cdot 2 \frac{1}{2}$

DIAG. OF QUADRANT SHEAVES & TO CENTRE OF CHAINS, PINS & DIA.

~~SQUARE HEAD 3 1/4 DEEP~~

1 DIA TAPPED HOLE, 2 DEEP TO BE
ARRANGED IN RUDDER HEAD FOR LIFTING

KEYWAY ON AFT SIDE OF RUDDER HEAD

$6\frac{1}{2} \times 1\frac{1}{4} \times \frac{1}{4}$ IMMEDIATELY BELOW SQUARE HEAD

SCALE 1" = 1 FOOT

TESTED TO LLOYDS REQUIREMENTS.

LONG^L N^O = 3148

AREA OF RUDDER = $38 - 20.50$ FT $\times 2.5$ = 82.27

C^R OF GRAVITY ABAFT C^R OF PINTLES = 2.21 FT.

$$A \times D = 82.6$$

SPEED UNDER 10 KNOTS

RUDDER HEAD BY RULE $4\frac{1}{2}$ " TO OWNERS REQUIREMENTS. 5

DIA^R OF PINTLES BY RULE $2\frac{3}{4} + \frac{1}{4}$

OF FORGED IRON

STOCK MAY BE OF STEEL.

DETAIL OF GUDGEON & PINTLE

SCALE 3" = 1 FOOT.

NOTE:- TOP AND CENTRE ARMS TO BE
1/2" CLEAR OF GUDGEON, ALLOWING
WEAR ON BOTTOM GUDGEON ONLY

HEAD ON TOP PINTLE ONLY.

SECTION THRO' STOPPER

SCALE 3" = 1 FOOT.

STOPPER TO BE MADE SO THAT EACH SURFACE BEARS PROPERLY WHEN THE RUDDER IS OVER AT 45°

NOTE: TOP AND CENTRE ARMS TO BE
 $\frac{1}{2}$ " CLEAR OF GUDGEONS ALLOWING
WEAR ON BOTTOM GUDGEON ONLY.

NOTE:- MAIN PIECE ~~NOT~~ INCREASED
IN WAY OF ARMS.

NOTE ~~4~~ EXTRA DIA ON STOCK TO OWNERS REQUIREMENTS.

KEY $1\frac{1}{4}$ " WIDE \times $\frac{1}{16}$ " THICK

4/8 IN. STEEL OF RUDDER

SWELL OUT NECK OF BOSS
AT FORE END ABOUT 1/2" AS
SHOWN BY DOTTED LINE

SKETCH OF REMAINING ARMS.

SCALE 3" = 1 FOOT.

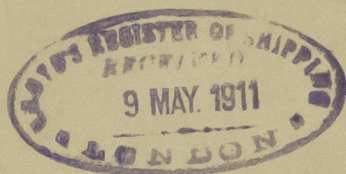
SKETCH SHEWING ARRANGEMENT
OF STOPPER.

Newcastle on Tyne

Messrs Eltringhams

Yard No 283 H

Stern Frame & Rudder



S.S. "OVERTON"

NEWCASTLE - ON - TYNE.



REPORT No 61264.

S.S. "WESTDALE"

NEWCASTLE - ON - TYNE.

REPORT No 61364



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