

LLOYD'S  
17/12/26  
STAMP  
LONDON

Nº 968 SHIP. ALSO Nºs 969 & 970 SHIPS.

# STERNFRAME & RUDDER.

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

DETAILS  $\frac{1}{2}" = 1 \text{ FOOT.}$

see later plan N.º 6 for modification of rudder



STERN FRAME :- TO BE OF FORGED IRON IN TWO PIECES  
RUDDER STOCK :- TO BE OF INSET STEEL WITH ARMS OF FORGED IRON  
OR STEEL SHROUNDED ON TO MAIN PIECE.  
PINTLES OF STEEL BUSHED WITH BRASS.

TOTAL AREA OF RUDDER = 159.5 SQ. FT.  
COF G OF RUDDER ABAPT G OF PINTLES = 3.71 FT.  
SPEED OF SHIP = 11 KNOTS  
LLOYD'S NUMBER =  $A \times D = 160 \times 3.71 = 593$   
LLOYD'S NUMBER =  $L \times D = 440 \times 33.916 = 14925$   
DIAMETER OF RUDDER HEAD AS PER RULE =  $10.91 \pm 10\%$   
= 12.00 = 12" DIA.

## STERN & RUDDER FRAMES TO PASS LLOYD'S TESTS.

DETAIL OF COUPLING &  
LOOKING PINTLE AT 'A'

DETAIL OF GUDDONS & PINTLES  
AT 'B', 'C' & 'D'

DETAIL OF STOPPER  
AT 'C'

DETAIL AT ARM 'E'

SECTION SHOWING DIAMETER OF  
PINTLES OVER BRASS BUSHING  
SCALE B' = 1 FOOT.

NOTE:-

RYET HOLES ARE TO BE DRILLED BY MAKERS IN STERN FRAME & RUDDER AS  
SHOWN ON PLAN. DIAMETERS & SPACINGS GIVEN ARE NOT TO BE EXCEEDED.  
ALL MACHINING & DRILLING TO BE DONE BY MAKERS.  
CENTRE OF MAINPIECE TO BE A PERFECTLY STRAIGHT LINE & SQUARE TO BASE LINE  
FACE OF ROSS TO BE SQUARE TO CENTRE LINE OF SHAFT.  
PINTLES TO BE SHEATHED WITH BRASS & LIGNUM VITAE BUSHES FITTED TO GUDDONS  
AND ROSES TO DIMENSIONS SHOWN BY MAKERS.  
ALL DIMENSIONS TO BE CHECKED BEFORE LEAVING MAKERS WORKS & ANY  
ALTERATIONS MADE BY MAKERS TO BE NOTIFIED TO SHIPBUILDERS.  
DIMENSIONS SHOULD BE CAREFULLY WORKED TO, AS WE ONLY PAY ON WEIGHTS  
CALCULATED TO THESE DIMENSIONS.





FOR ENCLOSURE TO

*Lloyds Register of Shipping*  
.....  
*Newcastle*

From

**PALMERS S. & I. CO., Ltd.,**

**Shipyard Department,**

**JARROW-ON-TYNE.**

(E.W.M.O. NO. 19)

0192 <sup>2</sup>/<sub>2</sub>



H

# Palmers

968 - 969 - 970 - 77 - 2879

British Honour

## Rudder + Stern-Frame

See plan No. 6 for modified  
rudder plan.

S. S. "British Loyalty"

NEWCASTLE ON TYNE.

969 -

Report No. 82273.

cancelled



S. S. "British Freedom"

NEWCASTLE ON TYNE.

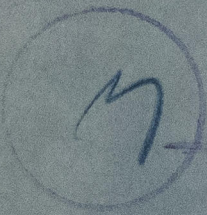
968 -

Report No. 82866.

RECORDS DEPT.  
LONDON

S. S. "British Ardour"

NEWCASTLE ON TYNE.

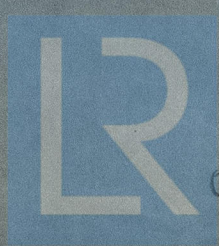


Report No. 82998.

S. S. "British Chivalry"

NEWCASTLE ON TYNE.

Report No. 83900.



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Foundation

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