

26.1.37

S.S. N^o 581.

FORGED STEEL BALANCED RUDDER

TO

LLOYDS REQUIREMENTS.

FOR DESIGNED SPEED OF 10½ KNOTS.

SCALE ½" = 1 FOOT.

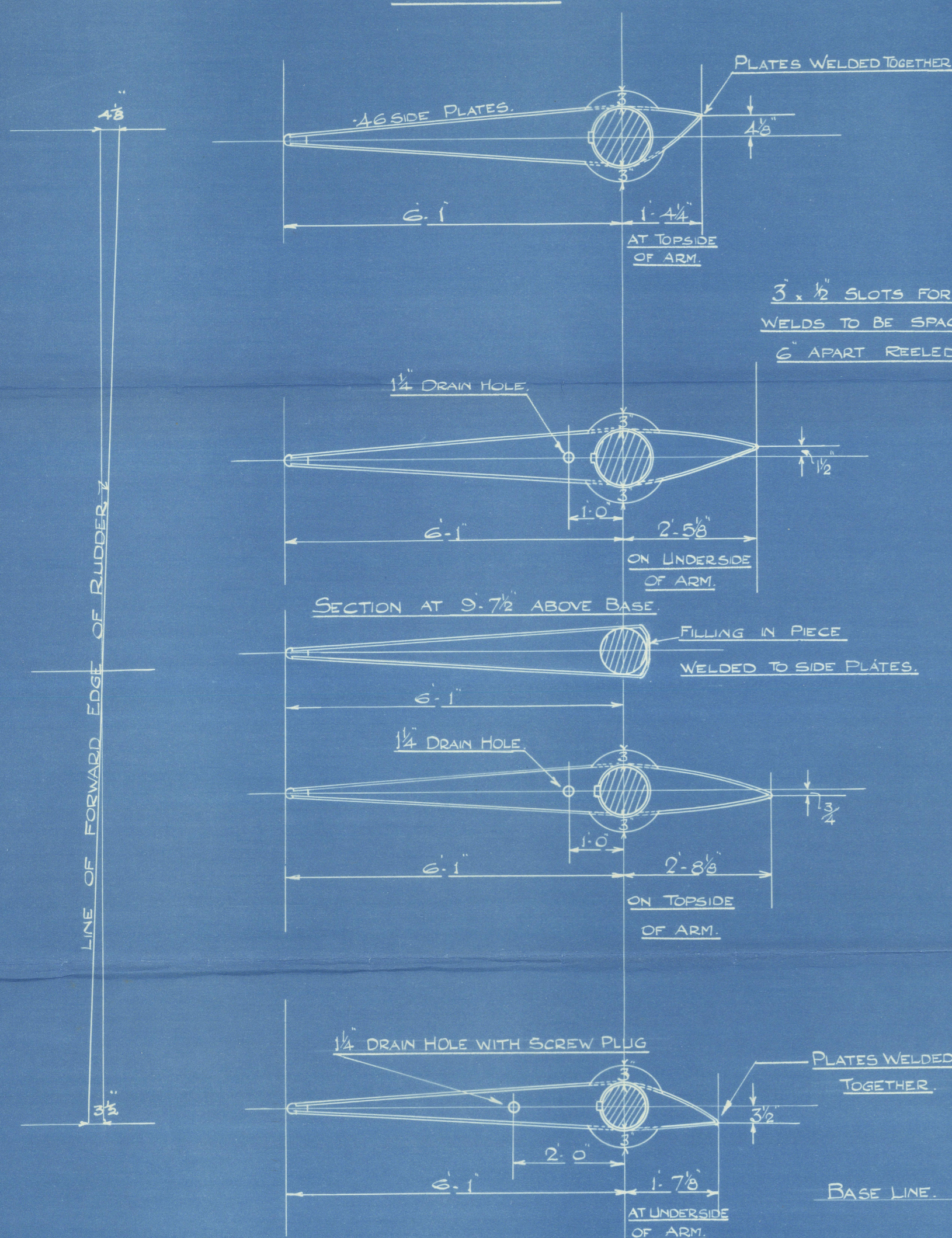
AREA = (17.81 × 6.08) = 108.28 sq

C.G. ABAFT $\frac{1}{2}$ OF RUDDER POST = 3.04

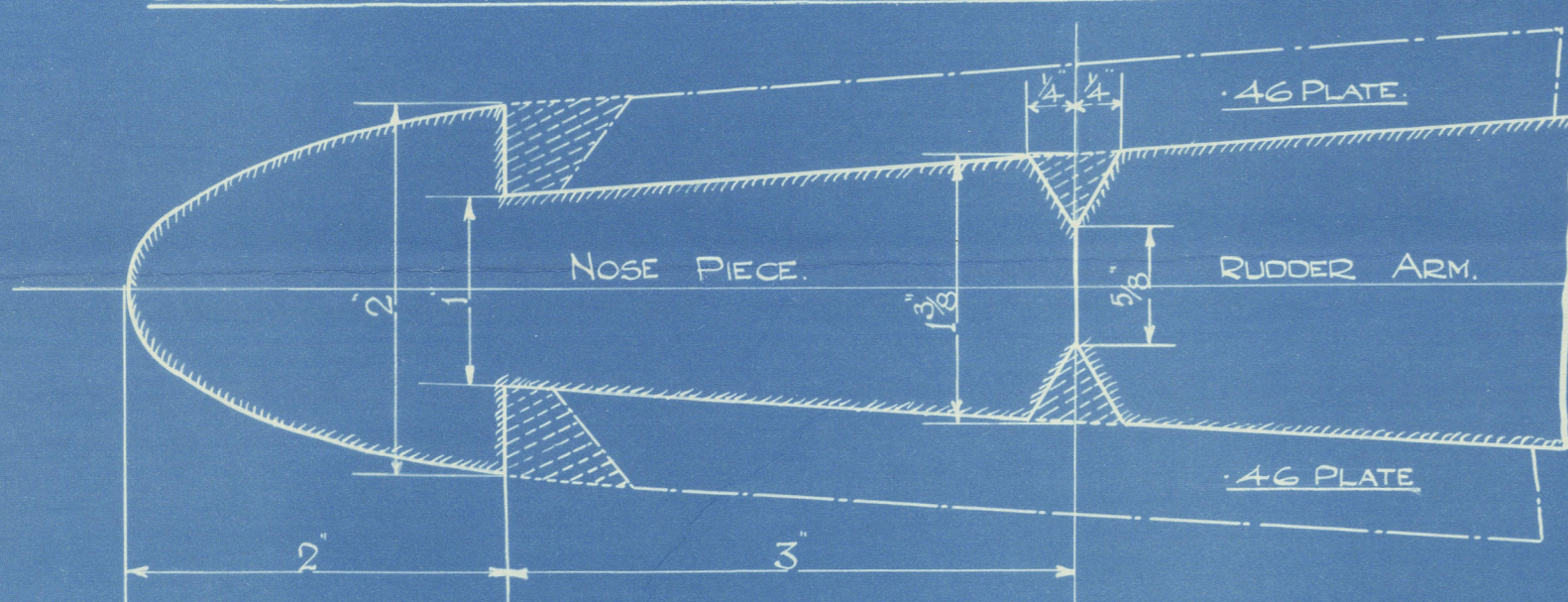
NUMERAL = 329.

PLAN OF ARMS.

FULL SIZE SECTIONS
TO BE SENT.



SECTION OF NOSE PIECE & END OF RUDDER ARMS.



END OF ARMS & NOSE PIECE CHAMFERED & WELDED TOGETHER.

POST TURNED DOWN TO FORM 7/8 DIA
PINTLE WITH 3/8 BRASS BUSH
3/4 DIA OVER BRASS.

KEYWAY IN WAY OF
TILLER 2'-0" × 2 1/4" × 1/2"



RUDDER CARRIER
TO BE FITTED ON
THIS DECK.

KEYWAY FOR CARRIER 7" × 2 1/2" × 1/2"

COLLAR IN HALVES.

3/4 DIA. RUDDER HEAD.

COUPLING FLANGE
22 1/4 DIA. × 2 1/2 THICK
6 BOLTS 2 1/2 DIA.
16/2 PITCH CIRCLE.



3/8 BRASS SLEEVE.

CAST IRON STUFFING BOX & BEARING BLOCK.

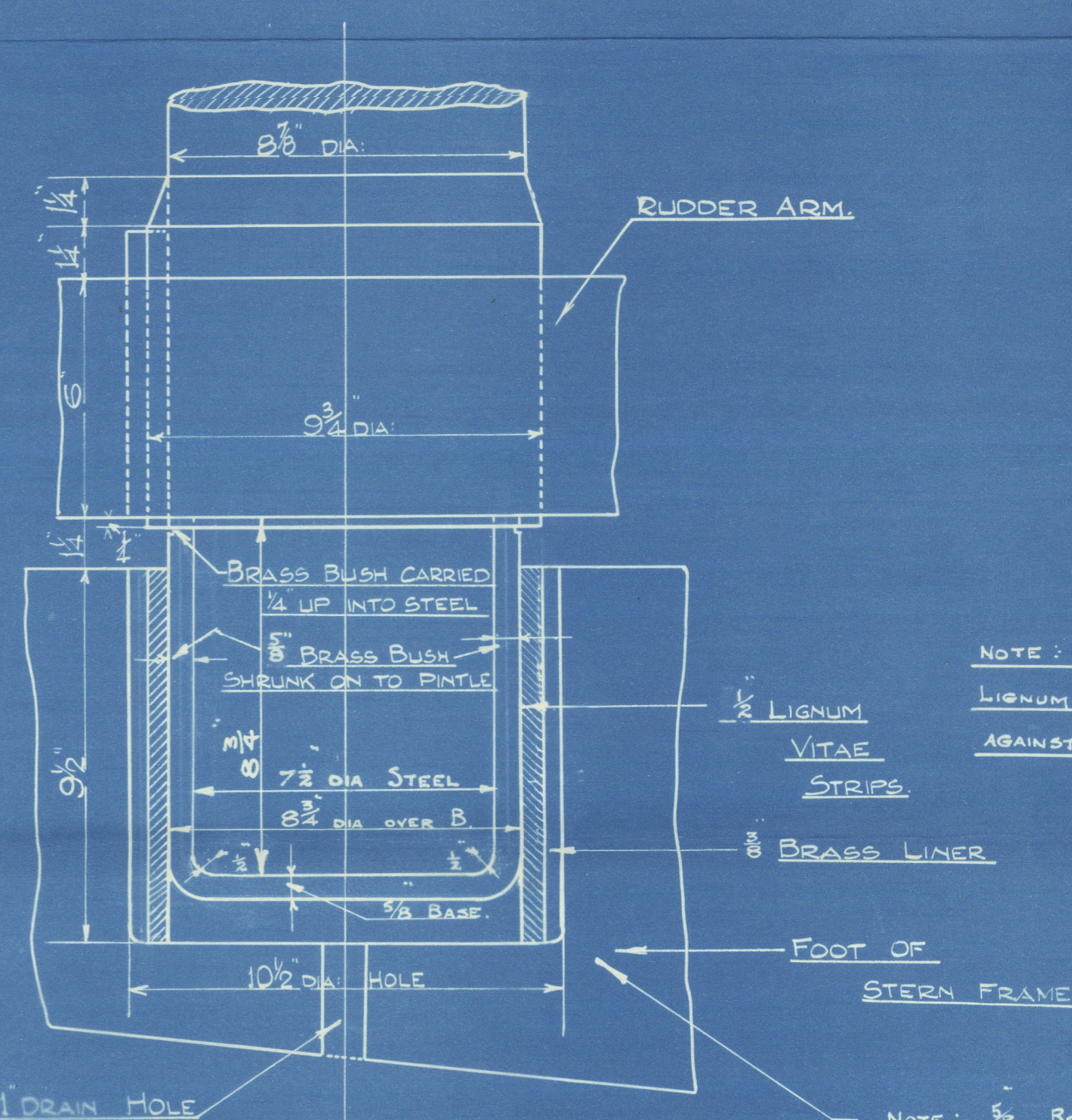
1/4 STEEL PAD.

1 THICK PLATING.

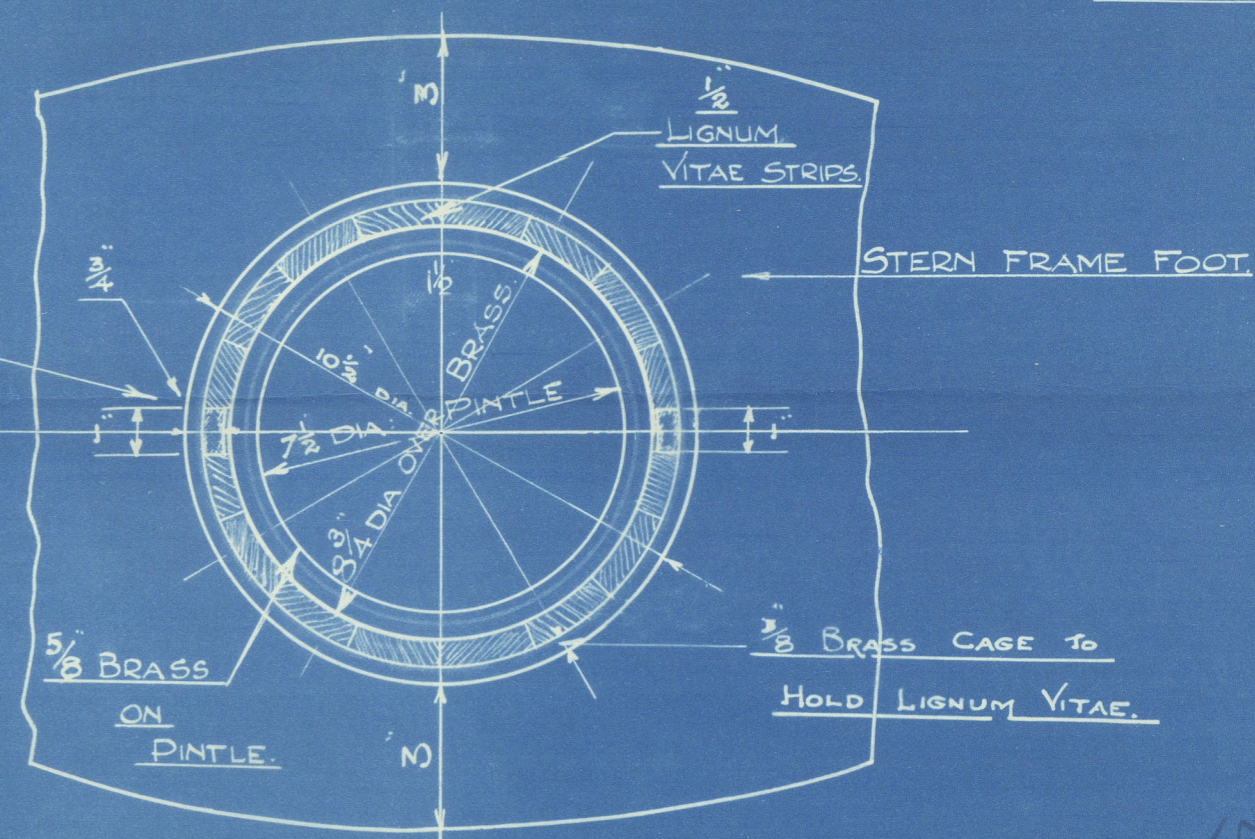
STRUCTURE SPECIALLY STRENGTHENED
IN WAY OF BEARING.

ARMS TO BE KEYED TO MAINPIECE
BY KEY WHOLE THICKNESS IS 10%
DIA OF MAINPIECE & BREADTH
TWICE ITS THICKNESS.

SECTIONAL ELEVATION
OF
BOTTOM OF POST.

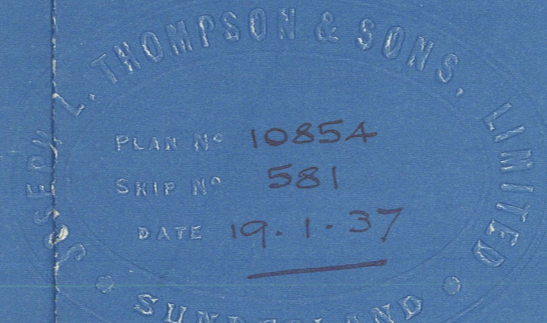


PLAN VIEW.

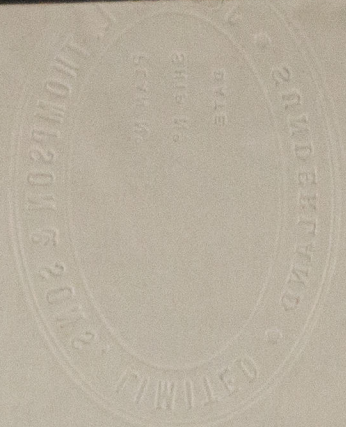


BRASS 1" × 3/8 TO BE
TAPPED TO BUSH TO
PREVENT LIGNUM VITAE
FROM TURNING.

5/8 BRASS CASE TO
HOLD LIGNUM VITAE.



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SUNDERLAND.

Messrs. J. L. Thompson & Sons'

No. 581

Balanced Rudder.



SUNDERLAND RPT. NO. 32182

SS. "CORABELLA"

RETAIN



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Lloyd's Register
Foundation