

RUDDER AND STERN FRAME S.S. N^{OS} 240 & 41

SCALE $\frac{1}{4}$ " = 1 FOOT

ALL TO BE PASSED BY LLOYDS

R WILLIAMSON & SON, LTD
SHIPYARD, WORKINGTON.
TRACING No 3480.

RUDDER FRAME :- TO HAVE PINS TURNED AND SCREWED TO SIZE GIVEN.

STERN FRAME: - $5\frac{3}{4}$ " x 4" TAPERED ABOVE DOTTED LINE TO 3" x 4" AT HEAD.
HOLES IN POST FOR 1" DIA. RIVETS 5" APART.

PROPELLER POST:- $6\frac{1}{2}" \times 4"$ HOLES FOR 1" RIVETS 5" APART.

ENLARGED SKETCH OF GUDGEONS & PINS.

HOLES IN STERN POST GUDGEONS FOR PINTLES $3\frac{1}{2}$ " DEEP. BOTTOM
GUDGEON FOR PINTLE 2" DEEP. CENTRE OF HOLES $3\frac{1}{16}$ " AFT
SIDE OF POST SO THAT RUDDER WILL WORK CLEAR.
RUDDER PINS ALL TO BEAR.

DISTANCE OF C.G. ABAFT CENTRE LINE
OF PINTLES IS 2.18 FEET.

AREA OF RUDDER IS 48.2 SQ. FEET.
 $2.18 \times 48.2 = \text{NUMERAL} = 105.$

SPEED UNDER 10 KNOTS

RUDDER ARMS BORED $\frac{1}{8}$ " RIVETS
5" APART. HOLES TO BE REELED AND
COUNTERSUNK ON OUTSIDE, & ARRANGED
TO SURVEYORS' SATISFACTION.

DIAMETER OF RUDDER
STOCK INCREASED 10%
IN WAY OF ARMS.

SHIPBUILDERS' ROUGH BORE $17\frac{1}{2}$
ENGINEERS' FINISHED BORE $17\frac{3}{4}$

NOTE:- SHIPBUILDERS' ROUGH BORE $17\frac{1}{2}$ "
ENGINEERS' FINISHED BORE $17\frac{3}{4}$ "

FORGED & BORED TO WOOD TEMPLATE

3/5 No. 240.

RUDDER & STERN FRAME.

"~~Dynamo~~"
ex
\$. \$. HOMWOOD *

Barrow Pub: N^o 2208

R. WILLIAMSON & SON, LTD.,
WORKINGTON.

"*Corinia*"

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