

MIDSHIP SECTION

COMPLETE SUPERSTRUCTURE SCREW STEAMER

LENGTH BP 424'0" x 56'0" BREADTH MLD x 29'4" DEPTH MLD.

TO CLASS 100 A1 WITH FREEBOARD CORRESPONDING TO A DRAUGHT NOT EXCEEDING THAT CONTEMPLATED BY THE RULES FOR G.S.S. VESSELS WITH TONNAGE OPENING.

SCALE 1/2" = ONE FOOT

NUMERALS

424'0" B=56'00" D=27'33"

1ST LONG NUMERAL

L x D 424'00" x 27'33" = 15828

2ND LONG NUMERAL

BREADTH MLD = 56'00"

DEPTH "D" = 27'33"

LENGTH "L" = 424

L(B+D) = 39572

PROPORTIONS

L/D 424'0" (2933+850) = 11.208

EQUIPMENT NUMERAL

L(B+D) 424'0" x (56'00" + 27'33") = 39783.92

FORECASTLE 33' x 7' 75" = 173.25

CASINGS 65'25" x 8' 50" = 261.00

HOUSES 29'25" x 8' 50" = 117.00

EQUIP NUMERAL = 40335.17

SHEERSTRAKE 83 1/2% FOR 1/2 LTH TO 47' AT ENDS
BUTTS OVERLAPPED & QUADRUPLE RIVETTED FOR 1/2 LTH
TO TREBLE AT ENDS (RULE WIDTH 51")

STRAKE BELOW SHEERSTRAKE 83 1/2% FOR 1/2 LTH
TO 47' AT ENDS BUTTS OVERLAPPED & QUADRUPLE
RIVETTED FOR 1/2 LTH TO DOUBLE AT ENDS

EQUIPMENT (LETTER A)

1ST BOWER STOCKLESS 68 CWT'S COLLECTIVE

2ND " 68 " WEIGHT

3RD " 58 1/2 " 194 1/2 CWT'S

270 FMS OF 2 1/2" STUD CHAIN CABLE

90 " 1 1/2" STREAM CHAIN OR 6" STEEL WIRE

120 " TONLINE 4 3/4" 6.24 SPEC FLEX STEEL WIRE

2 @ 90 FMS 9" HEMP OR 2 3/4" WIRE HAWSER

2 @ 90 " 7 " 2 1/2 " "

SIDE PLATING FROM UPPER TURN OF BILGE
TO STRAKE BELOW SHEERSTRAKE 61' FOR 1/2 LTH
TO 47' AT ENDS, REDUCED IN WAY OF 27"
SPACING AFT OF 3/5 LTH FORD TO 57' 42"
BUTTS OVERLAPPED & TREBLE RIV
SIDE PLATING IN WAY OF PANTING AREA
INCREASED AS PER PROFILE

ALL PLATES CONNECTED TO STERN
FRAME 61" THICK

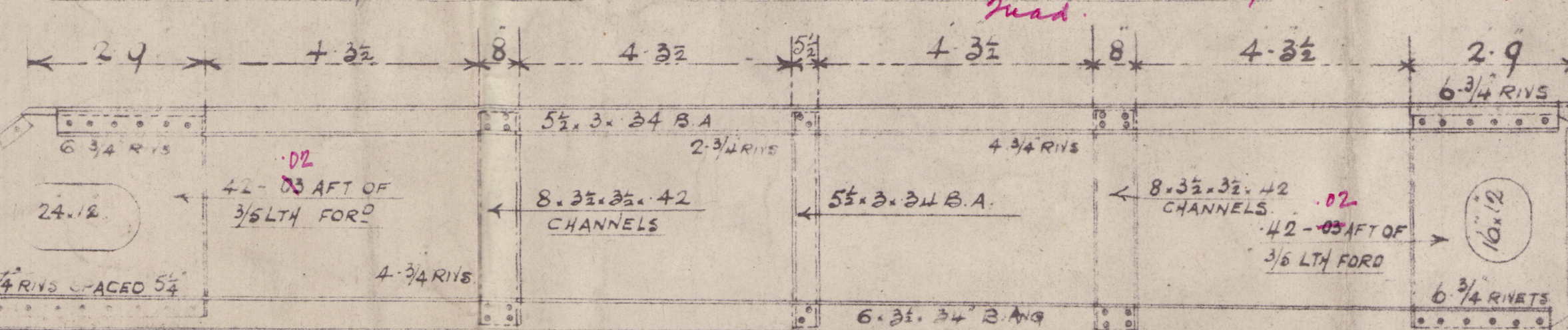
BOSS PLATES 72" THICK

FRAME BRACKET AND GUSSET ATTACHMENTS

POSITION	FME SP RULE PNO	FME SP PNO	OT BKT TO MARGIN	GUSSET EVERY FRAME	FLOORING BKT TO MARGIN
FROM AFT TO 1/4 LTH FROM STEM	31 1/2	27	6' 6" 1/4 15' 7 1/2 RIV	35' 3 1/2 1/4 5' 7 1/2 RIV	0' 3 1/2 1/4 15' 8 1/2 RIV
FROM 1/4 LTH FROM STEM TO 3/5 LTH	31 1/2	27	6' 6" 1/4 15' 7 1/2 RIV	35' 3 1/2 1/4 5' 7 1/2 RIV	0' 3 1/2 1/4 15' 8 1/2 RIV
3/5 LTH FROM STEM TO 10% AFT OF RULE POSITION COLL BHD	27	27	6' 6" 1/4 15' 7 1/2 RIV	35' 3 1/2 1/4 5' 7 1/2 RIV	0' 3 1/2 1/4 15' 8 1/2 RIV
10% AFT OF RULE POSITION COLL BHD TO COLL BHD	27	27	DOUBLE 6' 6" 1/4 EACH 13 7 1/2 RIV	DOUBLE 5' 5" 57 9' 7 1/2 RIV	DOUBLE 5' 5" 57 EACH 13 7 1/2 RIV

MARGIN ANGLE 25' 25" 24"
BILGE KEEL
T BAR 6' 1/4 50"
PLAIN BULB 10' 25"

FRAMES ON FLOORS 37' 33" 40' 02" AT REDUCED SPACING AFT OF 3/5 LTH 33' 33" 40' 02" DOUBLE FORD OF 1/2 LTH OR SINGLE
5' 5" 40' 02" ANGLES WITH TWO COMPLETE ROWS OF RIVETS
BOTTOM SHELL FROM KEEL TO UPPER TURN OF BILGE 61' FOR 1/2 LTH TO 50' AT ENDS REDUCED IN WAY OF 27"
SPACING AFT OF 3/5 LTH 10' 57' 42" 50' IN WAY OF AFTER PEAK
THREE STRAKES OF PLATING NEXT KEEL TO HAVE MIDSHIP THICKNESS + 10% MAINTAINED TO COLLISION BULK
= 63' AFT OF 3/5 LTH 67' FORD OF 3/5 LTH BUTTS OVERLAPPED & TREBLE RIVETTED FOR 1/2 LTH



SECTION SHOWING INTERMEDIATE BRACKET FLOORS.

SHELTER DECK WIDTH 54'0"
CAMBER 13 3/4"

SHELTER DECK BEAMS ON EVERY FRAME
FOR SCANTLING SEE PROFILE
PLAN OF H END BEAMS AND DECK GIRDERS
TO BE SUBMITTED

C.L. 3RD 26"
STIFF AS PER PROFILE

SECOND DECK WIDTH 55'4"
CAMBER 14"

SECOND DECK BEAMS ON EVERY FRAME
FOR SCANTLING SEE PROFILE
PLAN OF H END BEAMS AND DECK GIRDERS
TO BE SUBMITTED

FRAME SPACING
RULE 31 67
PROPOSED 27' TWEEN PEAK BHD
24' IN PEAKS

FORGINGS
STEM 10' 2 1/2" ROLLED STEEL
STERN FRAME 10' 8 1/2"
RUDDER POST 10' 8 1/2"
RUDDER PLAN TO BE SUBMITTED

SCANTLING OF C.L. BULK 45' AS PER PROFILE

ADDITIONAL INTERCOSTALS IN DOUBLE BOTTOM FORWARD OF 1/2 LENGTH, AS PER SECTION II PAR 3
FITTED UNDER ENGINES & THRUST TO RULE REQUIREMENTS

See alternative tankhouse bracket
with members frame.

OT KNEES RIVETS TO FRAMES
17' 7 1/2 RIVS FROM AFT TO PANTING AREA
26' 7 1/2 " IN WAY OF PANTING

REVERSES ON FLOORS 33' 33" 40' 02" AT REDUCED SPACING AFT OF 3/5 LTH. DOUBLE UNDER ENGINES IN WAY OF
THRUST SEATING & AT BOILER BEARER TO RULE REQUIREMENTS OR SINGLE 5' 5" 40' 02" WITH TWO COMPLETE ROWS OF RIVETS
INTERCOSTAL HORIZONTALS 33' 33" 40' 02" BOTTOM BARS 33' 33" 40' 02" TOP BARS BOTH REDUCED 02' AT REDUCED FRAME
SPACING VERTICALS TO FLOORS 33' 33" 40' 02" AT REDUCED FRAME SPACING AFT OF 3/5 LTH
NOTE - IN THE BOILER THE THICKNESS OF ANGLE BARS NOT COVERED BY CEMENT TO BE INCREASED 10% ABOVE RULE

DOUBLE RIV SEAM FOR 1/2 LTH
6' 6" 40' 02" LUG
4 3/4 RIVETS

FLAT PLATE KEEL 52' 79' FOR 3/5 LTH
TO 67' AT ENDS BUTTS OVERLAPPED AND
QUAD RIV FOR 1/2 LTH TREBLE AT ENDS

7356
DATE 7/11/36

WM PICKERSGILL & SONS LTD
SHIPBUILDERS
SOUTHWICK
SUNDERLAND

PICKERSGILL'S

N^o 237 38/40

MIDSHIP SECTION

"LITTLEIGH"

SUNDERLAND RPT. NO. 32195

"CHULMLEIGH"

SUNDERLAND RPT. NO. 32379

"GOODLEIGH"

SUNDERLAND RPT. NO. 32494

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