

MIDSHIP SECTION — S.S. CHULMLEIGH.

COMPLETE SUPERSTRUCTURE SCREW STEAMER

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

TO CLASS 100 A.I. 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
L = 424'0" B = 56'00" D = 37'33"
1ST LONG. NUMERAL
L x D 424.00 x 37.33 = 15828
2ND LONG. NUMERAL
BREADTH MLD = 56'00"
DEPTH D = 37'33"
LENGTH "L" = 424
L(B+D) = 39572

PROPORTIONS
L/D 424.0 ÷ (29.33 + 8.50) = 11.208

EQUIPMENT NUMERAL
L(B+D) 424.0 x (56.00 + 37.33) = 39783.92
FORECASTLE 33 x 7 x 75 = 173.25
CASINGS 65.25 x 8 x 50 = 261.00
HOUSES 29.25 x 8 x 50 = 117.00
EQUIP. NUMERAL = 40335.17

SHEERSTRAKE 83 1/2" x 68" 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" x 59" FOR 1/2 LTH TO 47' AT ENDS. BUTTS OVERLAPPED & QUAD. RIVETTED FOR 1/2 LTH TO TREBLE AT ENDS.

EQUIPMENT (LETTER A)
1ST BOWER STOCKLESS 68 CWT'S COLLECTIVE
2ND " " 68 " WEIGHT
3RD " " 58 1/2 " 1943 CWT'S
270 FMS OF 25/6 STUCCO CHAIN CABLE
90 " 15/16 STRENGTH CHAIN OR 5 STEEL WIRE
120 " TOWLINE 4 3/4" 6.24 SPEC FLEX STEEL WIRE
2 @ 90 FMS. 9" TEMP OR 2 1/2" WIRE HANGER 3" FLEX STEEL WIRE
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 FOR 27" TO 57' - 42" BUTTS OVERLAPPED & TREBLE RIVETTED IN WAY OF PAINTING AREA INCREASED AS PER PROFILE.

ALL PLATES CONNECTED TO STERN FRAME 61" THICK

BOSS PLATES 72" THICK

FRAME BRACKET AND GUSSET ATTACHMENTS.

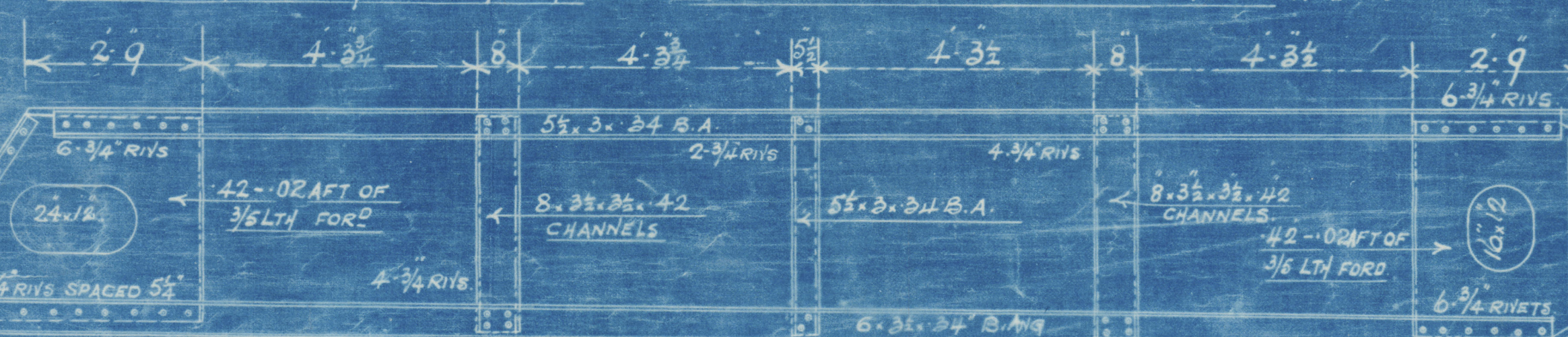
POSITION	FME 3/2" RUL	FME 3/2" RUL	O.T. BKT TO MARGIN	GUSSET EVERY FRAME	FLOOR END BKT TO MARGIN
FROM AFT TO 1/4 LTH FROM STEM.	31.67	27	6.6 x 11/16	3 1/2 x 3 1/2 x 1/4	6.6 x 11/16
FROM 1/4 LTH FROM STEM TO 3/5 LTH	31.67	27	6.6 x 11/16	3 1/2 x 3 1/2 x 1/4	6.6 x 11/16
3/5 LTH FROM STEM TO 10% AFT OF RULE POSITION COLL. BHD	27	27	6.6 x 11/16	3 1/2 x 3 1/2 x 1/4	6.6 x 11/16
10% AFT OF RULE POSITION COLL. BHD TO COLL. BHD	27	27	DOUBLE 5 x 5 x 11/16	5 x 5 x 11/16	DOUBLE 5 x 5 x 11/16

MARGIN ANGLE 35 x 35 x 5/16
BILGE KEEL T.BAR 6 x 4 x 80
PLAIN BULB 10 x 45

O.T. KNEES RIVETS TO FRAMES
17 1/8 RIVS FROM AFT TO PAINTING AREA
26 1/8 " IN WAY OF PAINTING.

REVERSES ON FLOORS 3 1/2 x 3 1/2 x 1/4 - 02 AT REDUCED SPACING AFT OF 3/5 LTH. DOUBLE UNDER ENGINES, IN WAY OF THRUST SEATING & AT BOILER BEARERS TO RULE REQUIREMENTS OR SINGLE 5 x 5 x 1/4 WITH TWO COMPLETE ROWS OF RIVETS INTERCOSTAL HORIZONTALS 3 1/2 x 3 1/2 x 1/4 BOTTOM BARS 3 1/2 x 3 1/2 x 1/4 TOP BARS BOTH REDUCED 02 AT REDUCED FRAME SPACING VERTICALS TO FLOORS 3 x 3 x 1/4 - 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

FRAMES ON FLOORS 3 1/2 x 3 1/2 x 1/4 - 02 AT REDUCED SPACING AFT OF 3/5 LTH. 3 1/2 x 3 1/2 x 1/4 DOUBLE FORD OF 1/2 LTH OR SINGLE 5 x 5 x 1/4 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 TO 57' - 45" 50" IN WAY OF AFTER PEAK
THREE STRAKES OF PLATING NEXT KEEL TO HAVE MIDSHIP THICKNESS + 10% MAINTAINED TO COLLISION BULKHEAD = 63" AFT OF 3/5 LTH & 67" FORD OF 3/5 LTH.
BUTTS OVERLAPPED & QUAD. RIVETTED FOR 1/2 L TO TREBLE



SECTION SHOWING INTERMEDIATE BRACKET FLOORS.

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

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

SECOND DECK WIDTH 55'4" CAMBER 14"

FRAME SPACING
RULE 31.67
PROPOSED 27" TWEEN PEAK BHD'S
24" IN PEAKS.

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

SCANTLINGS OF C.L. BULKHEAD AS PER PROFILE

DOUBLE RIV. SEAM FOR 1/2 LTH
6.6 x 40 LUG
4 3/4 RIVS

FLAT PLATE KEEL 52 1/2 x 79 FOR 3/5 LTH TO 64' AT ENDS. BUTTS OVERLAPPED AND QUAD. RIV. FOR 1/2 LTH TREBLE AT ENDS.

NO 7609
SUNDERLAND
DATE 9/5/38
W.M. PICKERSGILL & SONS LTD
SHIPBUILDERS
SUNDERLAND

W.M. PICKERSGILL & SONS LTD
SHIPBUILDERS
SUNDERLAND

WMB3-0136

n/o "CHULMLEIGH"

D. P. Gersgill & Sons 239.

Midship Section.

(As Built)

ENDERLAND RPT. NO. 32379



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