

19.7.79

LLOYDS NUMERALS.	
DEPTH	23.83
LENGTH	315.50
1 <sup>ST</sup> LONGITUDINAL NO	7518.36
BREADTH	45.00
DEPTH	23.83
LENGTH	315.50
2 <sup>ND</sup> LONGITUDINAL NO	21715.86
DEPTHS TO LENGTH UPPER DECK	13.24
BRIDGE DECK	10.15

# MIDSHIP SECTION

OF A  
SINGLE DECK FULL SCANTLING SCREW STEAMER

DIMENSIONS	
LENGTH LWL	315.6
BREADTH MLR	45.0
DEPTH MLR	23.10

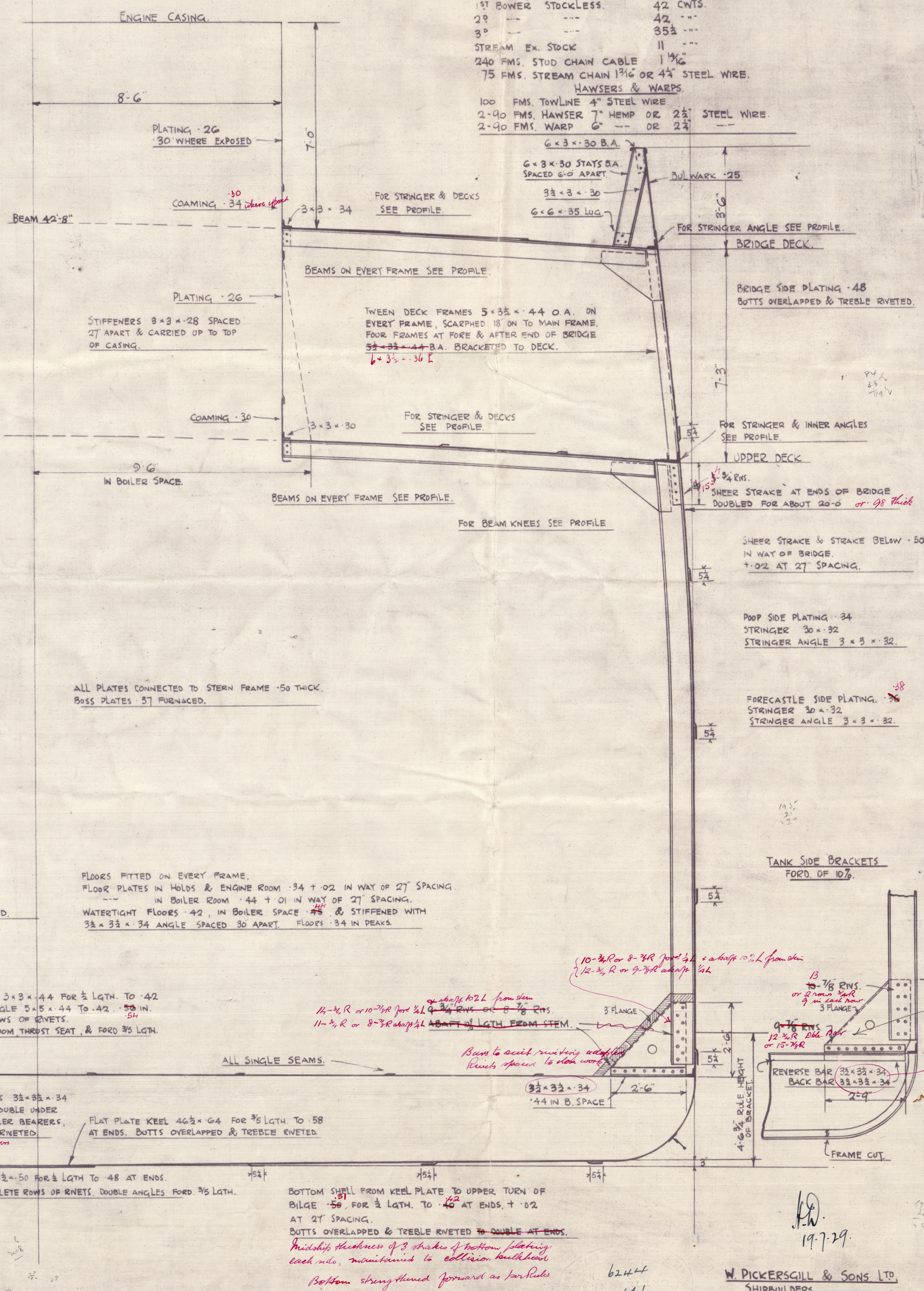
CLASS 100 A.1.  
SCALE  $\frac{1}{2}$ " = 1 FOOT

POOP	27.27
BRIDGE	66.75
FCLE	29.75
	123.77

## ANCHORS & CABLES.

2 <sup>ND</sup> LONGITUDINAL NUMBER	21715.86
POOP, BRIDGE & FCLE	123.77 x 7.25 x 7.5 = 672.25
ENGINE CASING	31.50 x 7.00 x 5.0 = 110.25
BOILER CASING	20.25 x 3.50 x 5.0 = 35.43
DECK HOUSE	12.00 x 7.25 x 5.0 = 43.50
UPPER HOUSE	9.00 x 7.25 x 5.0 = 32.52
EQUIPMENT NUMBER	22609.81

1 <sup>ST</sup> POWER STOCKLESS	42 CWT.
2 <sup>ND</sup> ---	42 ---
3 <sup>RD</sup> ---	353 ---
STREAM EX. STOCK	11 ---
240 FMS. STOD. CHAIN CABLE	1 1/2"
75 FMS. STREAM CHAIN 1 1/2" OR 4 1/2" STEEL WIRE.	
HAWSERS & WARPS	
100 FMS. TONLINE 4" STEEL WIRE	
2-90 FMS. HAWSER 7" HEMP OR 2 1/2" STEEL WIRE.	
2-90 FMS. WARP 6" OR 2 1/2" ---	



SHEER STRAKE 64 x 70 FOR 1/2 LGTH. TO .40 AT ENDS. *Red* BUTTS OVERLAPPED & TREBLE RIVETED TO DOUBLE AT ENDS. *when not exceeding 42*

STRAKE BELOW SHEER STRAKE 64 x 58 FOR 1/2 LGTH. TO .40 AT ENDS. BUTTS OVERLAPPED & TREBLE RIVETED TO DOUBLE AT ENDS. *when not exceeding 42*

SHELL PLATING FROM UPPER TURN OF BILGE TO STRAKE BELOW SHEER STRAKE. 50 FOR 1/2 LGTH. TO .40 AT ENDS + .02 AT 27 SPACING. BUTTS OVERLAPPED & TREBLE RIVETED TO DOUBLE AT ENDS. *when not exceeding 42*

23.10 MLR  
20-5" d FOR FRAMING ONLY  
20-3" d

TANK TOP PLATING IN HOLDS .34 FOR 1/2 LGTH. TO .34 AT ENDS + .01 AT 27 SPACING.  
--- IN ENGINE ROOM .42 .43  
--- IN BOILER ROOM .32 .33

TANK TOP IN HOLDS INCREASED .08 IN LIEU OF CEILING. BUTTS OVERLAPPED & DOUBLE RIVETED FOR 1/2 LGTH. TO SINGLE AT ENDS.

TANK MARGIN PLATE 64 1/2 x 34 IN HOLDS + .01 AT 27 SPACING.  
--- IN ENGINE ROOM .42 .43  
--- IN BOILER ROOM .32 .33

BRACKETS IN HOLDS & ENGINE ROOM .34 + .02 AT 27 SPACING. 44 IN BOILER ROOM.

REVERSE FRAMES 32 x 32 x 34 .44 IN BOILER SPACE. DOUBLE UNDER ENGINES, THRUST SEAT & BOILER BEARERS TO BEYOND GIRDER. *in 8.10" R*

ENTENT OF DOUBLE ANGLES *in 8.10" R*

SIDE GIRDER 34 x 44 IN B. SPACE

FRAMES .32 x 32 x 34 SINGLE TO 1/2 LGTH. FORD. DOUBLE FROM 1/2 LGTH. FORD. TO COLLISION BULK. OR SINGLE 5 x 5 x 34 WITH 2 COMPLETE ROWS OF RIVETS.

ALL ANGLE BARS IN BOILER SPACE NOT COVERED WITH CEMENT TO BE INCREASED .10.

CENTRE GIRDER 37 x 40 FOR 1/2 LGTH. TO .38 AT ENDS. .50 IN BOILER SPACE. BUTTS OVERLAPPED & TREBLE RIVETED.

STEM 8 1/2 x 2 1/2  
STERN POST 9 1/2 x 5 1/2  
RUDDER POST 8 1/2 x 5 1/2  
RUDDER PLAN TO BE SUBMITTED.

TANK TOP CENTRE STRAKE 47 x 42 FOR 1/2 LGTH. TO .36 AT ENDS. .50 IN BOILER SPACE. NOT LESS IN THICKNESS THAN REMAINDER OF PLATING. BUTTS OVERLAPPED & DOUBLE RIVETED.

CENTRE GIRDER TOP ANGLES DOUBLE 3 x 3 x 44 FOR 1/2 LGTH. TO .42 AT ENDS. .50 IN BOILER SPACE, OR SINGLE 5 x 5 x 44 TO .42 .50 IN. BOILER SPACE, WITH 2 COMPLETE ROWS OF RIVETS. DOUBLE ANGLES IN WAY OF ENGINE ROOM, THRUST SEAT, & FORD 1/2 LGTH.

CENTRE GIRDER VERTICAL ANGLES 32 x 32 x 34 SINGLE .44 IN BOILER SPACE, DOUBLE UNDER ENGINES, THRUST SEATING & BOILER BEARERS. OR SINGLE 5 x 5 x 34 DOUBLE RIVETED *in 8.10" R*

FLAT PLATE KEEL ANGLES DOUBLE 32 x 32 x 50 FOR 1/2 LGTH. TO .48 AT ENDS. OR SINGLE 5 x 5 x 50 TO .48 WITH 2 COMPLETE ROWS OF RIVETS. DOUBLE ANGLES FORD 1/2 LGTH.

FLOORS FITTED ON EVERY FRAME. FLOOR PLATES IN HOLDS & ENGINE ROOM .34 + .02 IN WAY OF 27 SPACING. --- IN BOILER ROOM .44 + .01 IN WAY OF 27 SPACING. WATERTIGHT FLOORS .42, IN BOILER SPACE .45 & STIFFENED WITH 32 x 32 x 34 ANGLE SPACED 30 APART. FLOORS .34 IN DECK.

ALL SINGLE SEAMS.  
FLAT PLATE KEEL 46 1/2 x 64 FOR 1/2 LGTH. TO .58 AT ENDS. BUTTS OVERLAPPED & TREBLE RIVETED.

BOTTOM SHELL FROM KEEL PLATE TO UPPER TURN OF BILGE .50, FOR 1/2 LGTH. TO .42 AT ENDS. + .02 AT 27 SPACING. BUTTS OVERLAPPED & TREBLE RIVETED TO DOUBLE AT ENDS. *Midship thickness of 3 plates of bottom plating each side, maintained to collision bulkhead. Bottom string lined forward as per Rules*

W. PICKERSGILL & SONS LTD.  
SHIPBUILDERS  
SUNDERLAND.



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SUNDERLAND

MESS<sup>RS</sup> W<sup>M</sup> PICKERSGILL & SONS LD

S/S. 229

MIDSHIP SECTION

S.S. "Ament."

SUNDERLAND RPT. NO. 30265.

RETAIN



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Foundation

W598-0145