

St. Howard W. proctor and
PPEI all principal
workshop
PPEI = 55 55 55

Enquiry No. 1379. *11-04-99*

Equipment.

- 1st Ho. 109.74 x 378.08 = 43685
378.08 x 8 x 1.5 = 4777
= 432
Equipment Ho. 48894
- 2 Towers 63 1/4 cuts each (stockless)
1 Tower 54 1/2 " " "
1 Stream 17 1/2 " " ex. stock
1 Hedge 7 1/2 " " "
270 fathoms steel chain cable 2 1/4" dia.
90 " 4 3/4" steel wire (stream)
120 " 5 " " (Towline)
2 off. 90 fathoms 8" hawsers.
2 off. 90 " 7" warps.

Riveting Notes.

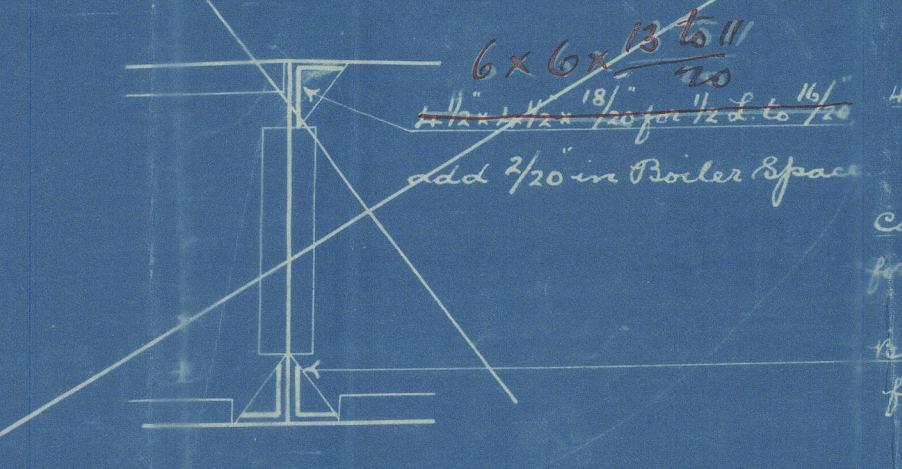
Butts & Beams to be lapped. *Beams not lapped in Ship*
Keel Strake Butts quadruple riveted all fore & aft.
Shell Plating Butts from A to B inclusive, quadruple
riveted for 1/2 L & treble riveted at ends.
Shell Plating Butts of K & L Strakes quadruple riveted
for 1/4 L & treble riveted at ends.
Shelter Deck Stringer Plate butts quadruple riveted
for 1/2 L & treble riveted at ends.
Upper Deck Stringer Plate butts treble riveted
all fore & aft.
Main Deck Stringer Plate butts treble riveted all fore & aft.
Shelter Deck Plating butts double riveted for 1/2 L & treble riveted
single riveted at ends. Beams single riveted.
Upper Deck Plating butts double riveted for 1/2 L & treble riveted
single riveted at ends. Beams single riveted.
Main Deck Plating butts double riveted for 1/2 L & treble riveted
single riveted at ends. Beams single riveted.
Centre Girder Butts treble riveted all fore & aft.
Margin Plate Butts treble riveted for 1/2 L & treble riveted
double at ends.
Tank Top Middle Line Strake butts double riveted
all fore & aft, edges double riveted all fore & aft.
Tank Top Strake adjacent to Middle Line Strake,
butts double riveted all fore & aft, edges double
riveted all fore & aft.
Remainder of Tank Top Plating, butts double
riveted all fore & aft, edges double riveted
for 1/2 L & treble riveted at ends.

Watertight Bulkheads.

Plates 1/20 lower half, 1/20 upper half.
Vertical stiffeners 6" x 3 1/2" x 1/20 for 1/2 L to 6" x 3 1/2" x 1/20 at ends.
crackled to Tank Top.
Vertical stiffeners in Tween Decks 4 1/2" x 3 1/2" x 1/20 angles.
Double frame angles 6 1/2" x 3 1/2" x 1/20 for 1/2 L to 6 1/2" x 3 1/2" x 1/20 at ends.
Tank Top & Deck angles 4 1/2" x 3 1/2" x 1/20 for 1/2 L to 3 1/2" x 1/20 at ends double.
Horizontal stiffeners & vertical webs as per profile.

- Stem Bar 1 1/2" x 3 1/2"
Stern Post 1 1/2" x 1 1/2"
Rudder Head 10" dia.
Pintles 5" dia.

Alternative Sketch of Centre Girder.



Midship Section of Proposed Steel, Single Screw Cargo Steamer.

Principal Dimensions.
Length overall 412'-0"
Length between perps 400'-0"
Breadth extreme 52'-0"
Depth moulded to upper deck 29'-9"

Scale 1/2" = 1 Foot.

Class + 100 A.I. Lloyds 3 Decks with Shelter Deck.



Lloyds Numerals.

1/2 Breadth	25.87	L	= 12.92
Depth	30.79	D	
1/2 Girth	53.08	L	= 7.69
	109.74	B	
	-7.00		
1 st Ho.	102.74		
	398.08		
2 nd Ho.	408.98		

Shelter Deck Beams Midship Length = 48'-9"

Space	Length of Beam	Equivalent Section	Plate Thickness	Rows of Rivets
25'	48'-9" to 32'-6"	10" x 10" x 1/20	8" x 3" x 1/20	1
25'	32'-6" to 24'-1 1/2"	9" x 9" x 1/20	6 1/2" x 3" x 1/20	1
25'	Under 24'-1 1/2"	8" x 8" x 1/20	6 1/2" x 3" x 1/20	1
25'	Half Beams in way of Hatchways	9" x 9" x 1/20	6 1/2" x 3" x 1/20	2
25'	Hatch End Beams	8" x 8" x 1/20	6 1/2" x 3" x 1/20	3

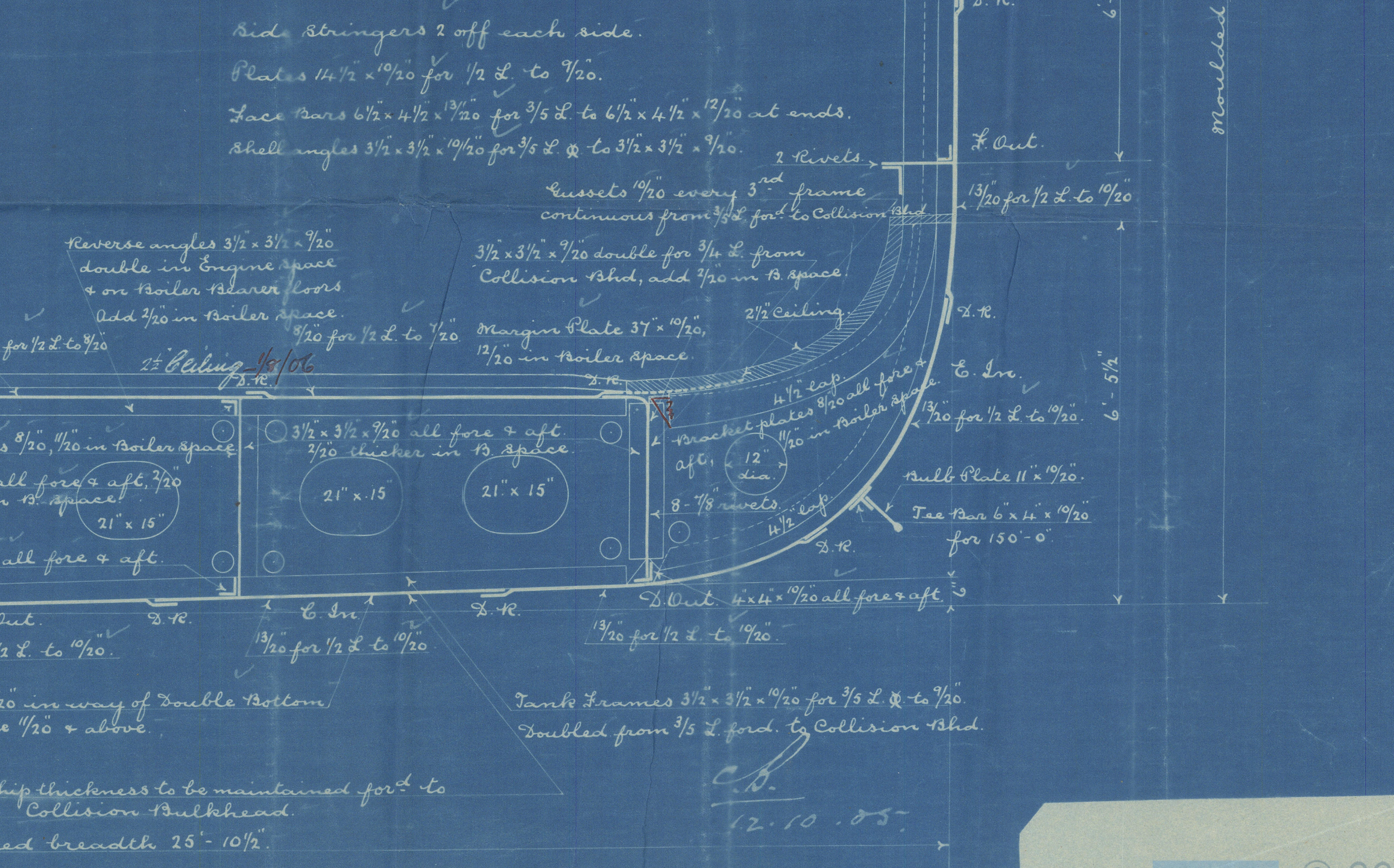
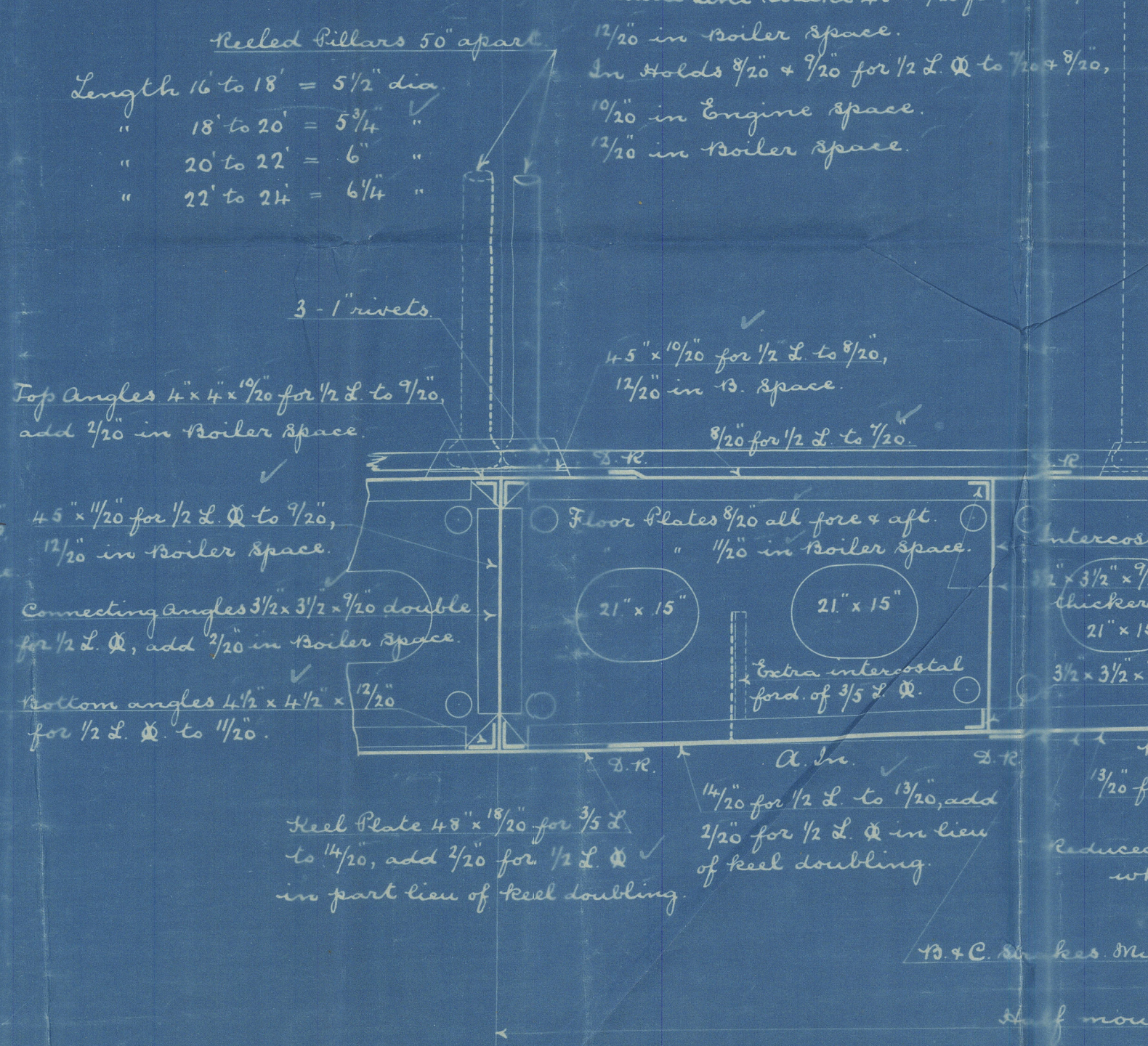
Upper Deck Beams Midship Length = 50'-3"

Space	Length of Beam	Equivalent Section	Plate Thickness	Rows of Rivets
25'	50'-3" to 33'-6"	13" x 13" x 1/20	10" x 3 1/2" x 1/20	1
25'	33'-6" to 25'-1 1/2"	11" x 11" x 1/20	8" x 3 1/2" x 1/20	1
25'	Under 25'-1 1/2"	10" x 10" x 1/20	8" x 3" x 1/20	1
25'	Half Beams in way of Hatchways	11" x 11" x 1/20	8" x 3 1/2" x 1/20	2
25'	Hatch End Beams	10" x 10" x 1/20	8" x 3 1/2" x 1/20	3

Framing increased 1/20 in thickness in way of Hatchways
Frames spaced 25" apart.
Frames in aft Peak 6" x 3 1/2" x 1/20 angles.
Frames in Fore Peak 7" x 3 1/2" x 1/20 Bull Angle to Side Decks.
All frames extend from Margin Plate to Uppermost Deck.
Reverse frames 7" x 3 1/2" x 1/20 for 1/2 L to 7" x 3 1/2" x 1/20 angles, from Margin Plate to Upper & Shelter Decks alternately.
Reverse frames in after Peaks 4 1/2" x 3 1/2" x 1/20 angles to Upper Decks on every frame.

Applied at Side of Plating
Frames in aft Peak 6" x 3 1/2" x 1/20 angles.
Frames in Fore Peak 7" x 3 1/2" x 1/20 Bull Angle to Side Decks.
All frames extend from Margin Plate to Uppermost Deck.
Reverse frames 7" x 3 1/2" x 1/20 for 1/2 L to 7" x 3 1/2" x 1/20 angles, from Margin Plate to Upper & Shelter Decks alternately.
Reverse frames in after Peaks 4 1/2" x 3 1/2" x 1/20 angles to Upper Decks on every frame.

Inner Bottom Plating



Austons Whitworth & Co.

Inquiry N^o 1349

Card N^o 449

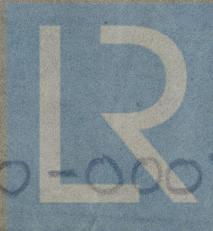
Midship Section

S.S. "Sakharah"

Newcastle Report

N^o 51609

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Lloyd's Register
Foundation

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