

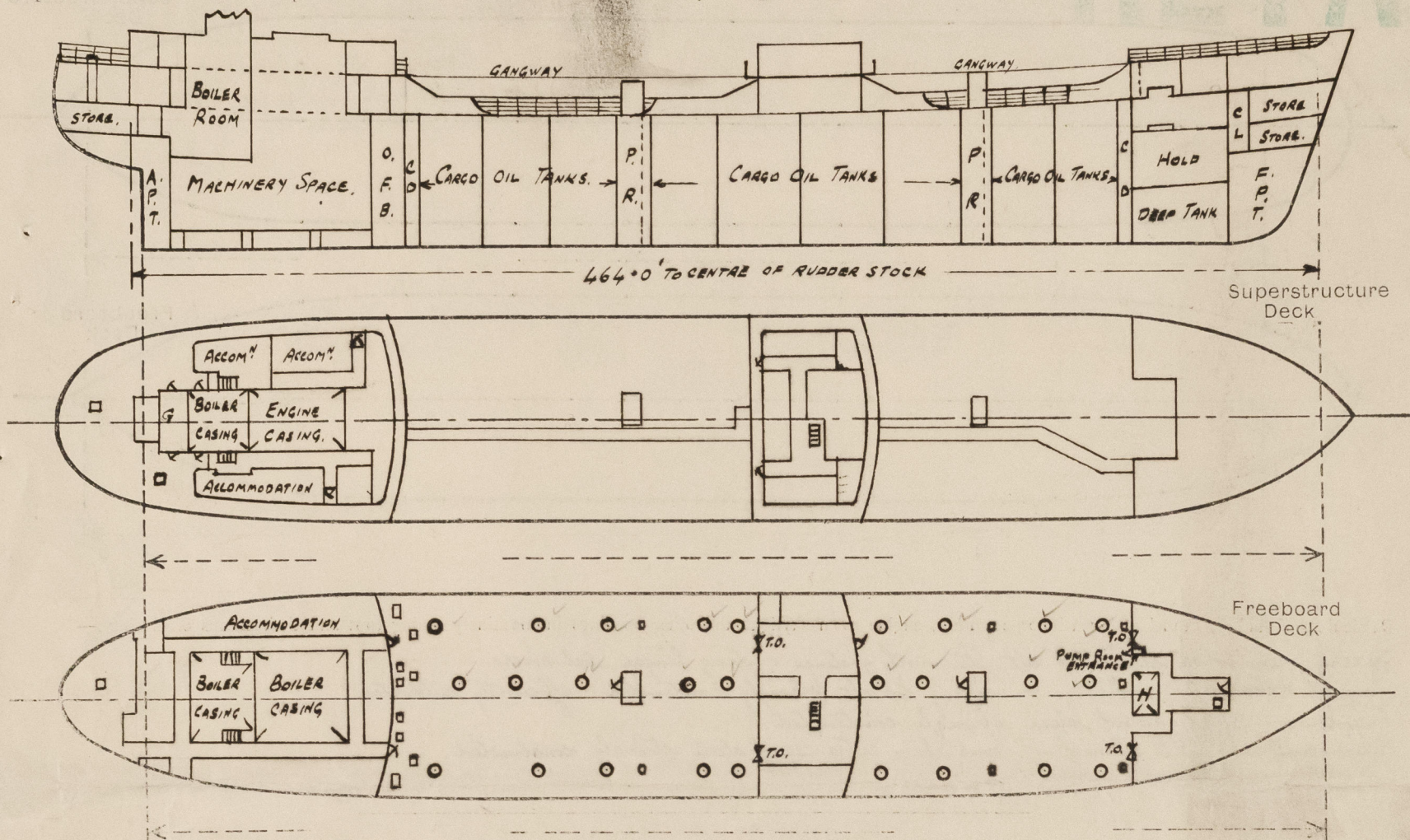
# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

### (CONDITIONS OF ASSIGNMENT.)

Ship's Name BRITISH PIONEER Port of Survey GLASGOW  
 Official Number 184455 Surveyor's Signature Geo. Cockburn  
 Nationality and Port of Registry BRITISH - LONDON Date of Survey WHILE BUILDING

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:—



Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	44✓	44✓	9x4x42 O.A. E.W. TOE ON ✓	30"✓	E.W. TOP & BOTTOM ✓	5'-0" x 3'-0"	18"✓	8'-0"✓
Raised Quarter Deck Bulkhead ...	-	-	-	-	-	-	-	-
Bridge, After Bulkhead ...	30✓	30✓	4x4x40 FLATS E.W. ✓	30"✓	-	4'-1" x 3'-1"	18"✓	8'-0"
Bridge, Forward Bulkhead ...	44✓	44✓	9x4x42 O.A. E.W. TOE ON ✓	30"✓	E.W. TOP & BOTTOM ✓	5'-0" x 3'-0"	18"✓	8'-0"
Forecastle Bulkhead ...	30✓	30✓	4x4x40 FLATS E.W. ✓	30"✓	-	2x4'-1" x 3'-1" 1x4'-3" x 2'-3"	18"✓	8'-0"
Trunk, Aft ...	-	-	-	-	-	-	-	-
Trunk, Forward ...	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Superstructure Decks ...	30	30	3x3x32 FLATS E.W.	30"	BKTS AT TOP	4'-3" x 2'-3"	18"✓	8'-3/2"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	-	-	-	-	-	-	-	-
Deckhouses on Flush Deck Ships ... PUMP ROOM ENTRANCES	40	40	4x3x36 O.A. E.W. TOE ON	24-30"	E.W. TOP & BOTTOM	4'-3" x 2'-3"	24"✓	7'-6"

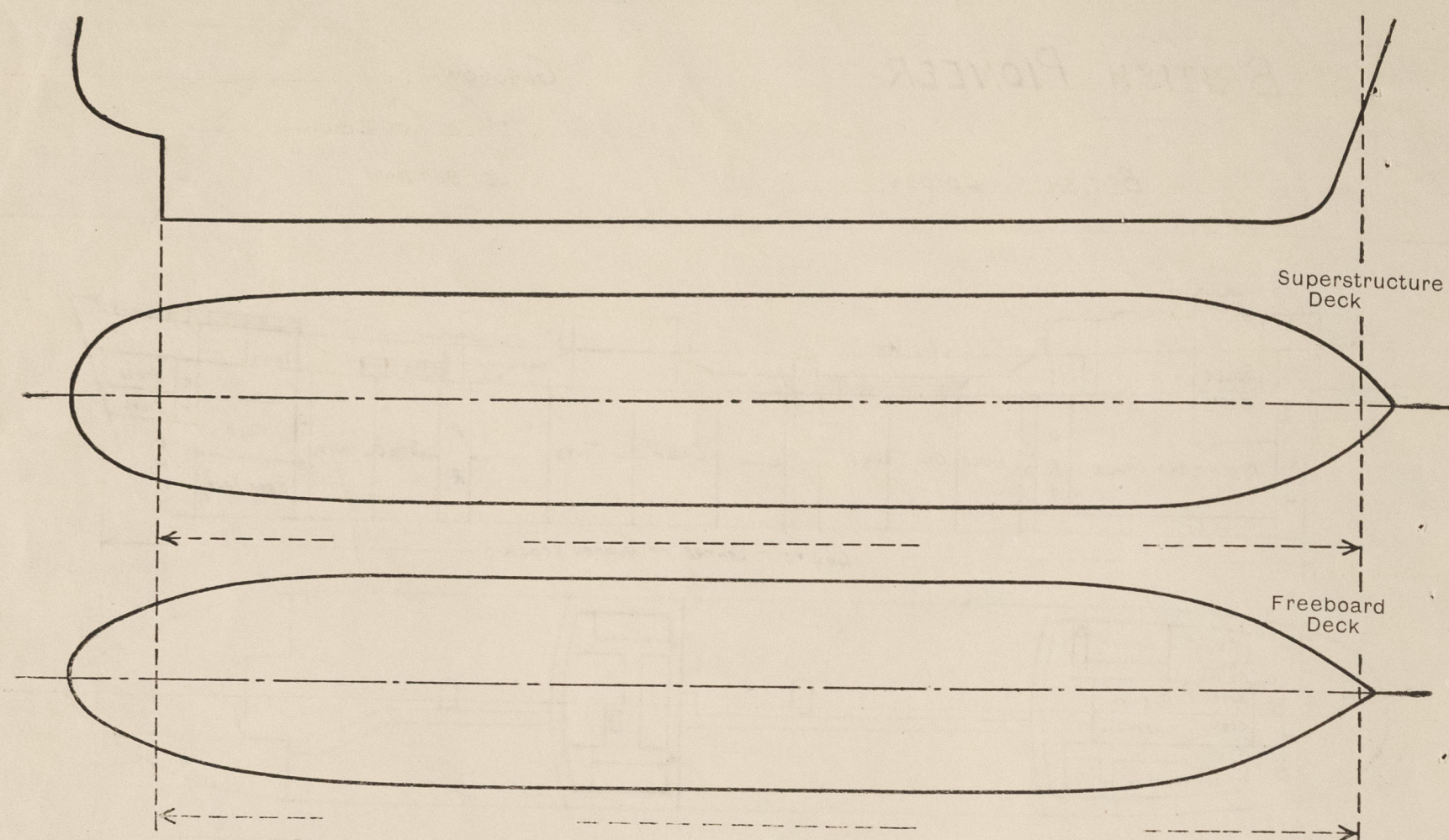
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	HINGED STEEL W.T. DOORS, OPERATED FROM BOTH SIDES
Raised Quarter Deck Bulkhead ...	-
Bridge, After Bulkhead ...	STORMBOARDS IN WELDED CHANNELS & PORTABLE PLATES SECURED BY HOOK BOLTS.
Bridge, Forward Bulkhead ...	HINGED STEEL W.T. DOORS, OPERATED FROM BOTH SIDES.
Forecastle Bulkhead ...	1 HINGED STEEL W.T. DOOR, OPERATED FROM BOTH SIDES, & STORMBOARDS IN WELDED CHANNELS & PORTABLE PLATES SECURED BY HOOK BOLTS.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	-
Exposed Machinery Casings on Superstructure Decks ...	HINGED STEEL W.T. DOORS, OPERATED FROM BOTH SIDES
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	-
Deckhouses on Flush Deck Ships ... PUMP ROOM ENTRANCES	HINGED STEEL W.T. DOORS, OPERATED FROM BOTH SIDES



### PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, ventilators, companionways, etc., which would affect the seaworthiness of the ship :—



Particulars of fidley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:

Fiddle, openings on casing top aft, fitted with gratings & strong hinged steel covers.  
Funnel & ventilator openings on casing top aft, strongly constructed & efficiently supported.  
Engine room skylight of steel, strongly constructed.  
Pump room skylights on roof of pump room entrances of steel, strongly constructed.

Particulars of Flush Bunker Scuttles:— *None.*

Particulars of Companionways :—

In strongly constructed steel house on poop deck giving access to accommodation in poop space openings 2C 4'-3" x 2'-3" 2C 5'-1/4" x 2'-6" sills 18" closed by strong hinged steel & wood doors operated from both sides.

In strongly constructed steel house on bridge deck, giving access to bridge space, openings 5'-9" x 2'-3", sills 12", closed by strong hinged wood doors operated from both sides.

In Forecastle, strongly built of steel, giving access to auxiliary bunk room, opening 4'-3" x 2'-3", sill 24", closed by a strong hinged steel W.T. door operated from both sides.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks :—

Forecastle deck			
1-8" dia. cone	to fore peak stove,	coaming	36" x 32"
2-8" "	forecastle space,	"	36" x 32"
2-12" "	fore hold,	"	36" x 34"
2-12" "	" "	"	36" x 34"
1-12" "	fore hold pump room,	"	36" x 34"

Upper Deck -  
4'-24" dia. cowl to pump rooms, coamings 13'-0" x 40", efficiently supported.

Bridge Deck -  
9-8" x 5" G.N. vents to bridge stores, 30' high

Pump Deck -  
2-1/2" dia. cowls to steering gear compartment, scannings 30" x 34" ✓  
1-1/2" " " refg. machinery 30" x 34" ✓  
9-8" x 5-6" N. vents to pump spaces, 30" high.

all coal vents on forecastle & upper decks  
provided with hinged steel W.T. flaps for closing.  
Remainder & G.N. vents closed by wood plugs &  
canvas covers.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

Forecastle Deck.  
2-6" dia. to fore peak tank, 36" high  
2-4" " " " deep " 36" "

<u>Upper Deck.</u>		
2'-4" dia.	to after deep cofferdam.	11'-0" high
2'-4" "	oil fuel tankers	11'-0" "
4'-4" "	" settling tanks	11'-0" "
2'-4" "	forward deep cofferdam.	11'-0" "

} stayed to  
excite bulkheads

1- 4" dia. air main from cargo oil tanks led into 6" dia. main & carried up fore & main mast.

Deck.

2-4"	dis. to oil fuel double bottom tank,	✓ 36" high.
2-4"	ball. oil "	✓ 36 "
2-2 1/2 "	D.B. cofferdam.	✓ 36 "
2-4 "	D.B. ball. water tanks,	✓ 36 "
2-6 "	oil fuel peak tank,	✓ 36 "
1-3 "	udder trunk,	✓ 36 "
1-2 1/2 "	stern compartment,	✓ 36 "
2-3 "	domestic F.W. tanks,	✓ 18 " above boat deck.

air pipes to oil fuel tanks & deep cofferdams fitted with approved automatic pressure cocks with mine gauge diaphragms.  
Air pipes to fore & after peaks, fuel water tanks, stern compartment & rubber trunk fitted with automatic pressure cocks without mine gauge diaphragms.  
Air pipes to domestic F.W. tanks fitted with wood plugs for closing.

Particulars of Gangway Cargo and Coaling Ports :— *None*

British Pioneer.

Particulars of Scuppers and Sanitary Discharge Pipes :—

Scuppers and Scuppers and Sanitary Discharge Pipes:—

Scuppers from weather decks, except poop, led overboard above upper deck through stringer angle & sheerstrake. ✓  
" " poop deck, 3" dia., led overboard above 2<sup>nd</sup> deck with open ends.  
" " steering gear compartment on upper deck & stove on 2<sup>nd</sup> deck aft, 2½" dia., led to stern compartment, the latter having hand pump suction & discharge overboard.  
" " 2<sup>nd</sup> deck in engine room 2" dia., led to engine room bilges with open ends. ✓  
" " boiler room flat 1½" dia., led to engine room bilges with self-closing cocks in accessible positions in engine room.  
" " domestic refrigerated chambers on upper deck, 2½" dia., led overboard through ship's sides with liquid seals & screw-down covers in chambers & brass storm valves on shell.  
" " washplaces etc on upper & poop decks, 2" dia., led overboard & fitted with brass storm valves on shell.  
Sanitary discharges from poop & bridge houses & poop space, led overboard & fitted with brass storm valves on shell.  
Forecastle & bridge spaces drained to upper deck through 1" dia. holes in end bulkheads, with non-detachable screwed plugs.

Particulars of Side Scuttles :—

In sides of bridge & fore-castle, 10" dia. } of strong construction of brass, & fitted with  
" " " poop, 10" and 12" dia. } strong hinged brass deadlights.

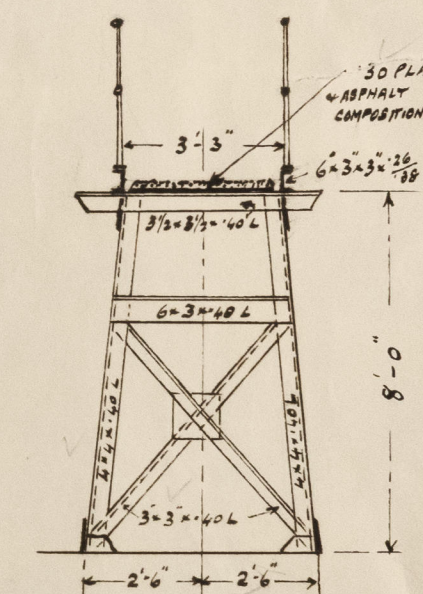
Vertical distance of Sill of lowest Side Scuttle above top of keel *No side scuttle below upper deck.*

Particulars of Guard Rails :—

Upper Deck - 3'-11" High with 3 rods, stanchions spaced about 4'-6" apart.  
 Poop " - 3'-9" " 3 " " " 4'-6" "  
 Forecastle " - 3'-6" " 3 " " " 4'-6" "  
 Fore & aft Gangway, 3'-9" " 2 " " " 5'-3" "

Particulars of Gangways, Lifelines, etc. :—

70s - aft gangway fitted from poop to bridge - from bridge to forecastle, platform 8'-0" above upper deck x 3'-3" wide supported by strong steel framing (see sketch) - apparently braced fore & aft. Supports spaced about 8'-0" apart.



Particulars of Freeing Arrangements.						
	Length of Bulwark <i>Bulwark Gun Rails</i>	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ...	<i>...aft... 20'-3"</i>	<i>4'-0"</i>	<i>36" x 8"</i>	<i>1</i>	<i>8 sq. ft.</i>	
<i>Forward</i>	<i>44'-3"</i>		<i>36" x 8"</i> <i>32" x 8"</i>	<i>1</i>		
Forward Well	<i>...aft... 28'-0"</i>	<i>4'-0"</i>	<i>36" x 8"</i>	<i>1</i>	<i>4 sq. ft.</i>	
<i>Forward</i>	<i>29'-0"</i>		<i>36" x 8"</i>	<i>1</i>		

State position of each freeing port (*CENTRES*)..

(P. and A. position and height above deck edge)

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— *none.*

Additional area where sheer is less than standard.

*{ After Well:— 5'-0" fore of poop front, 5'-0" and 24'-6" aft of bridge after bulkhead.  
Forward Well:— 5'-0" fore of bridge front bulkhead; 3'-9" aft of forecastle bulkhead.  
Height above deck - 14".*



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

		HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS							FORECASTLE DECK		POOP DECK	
		UPPER DECK										
Description of Hatchway		FORE HOLD	CARGO TANKS 27 OFF	IN F/CLE FORE PEAK STORE	FORWARD TWEEN DECK	OIL FUEL BUNKERS 2 OFF	COSPERDAMET SETTLING TANKS 14 OFF MANHOLES	FORECASTLE SPACE	2 <sup>ND</sup> DECK STORE	POOP SPACE		
Dimensions of Hatchway		6'-9" x 9'-9"	4'-0" DIA.	3'-0" x 3'-0"	2'-6" x 2'-0"	3'-0" x 3'-0"	23' x 18"	2'-0" x 2'-0"	2'-6" x 2'-6"	2'-9" x 2'-9"		
COAMINGS	Height above Deck	30"	12"	9"	9"	30"	12"	24"	18"	18"		
	Thickness	.50	.50	.50	.50	.50	.50	.50	.50	.50		
	Sides	.50	.50	.50	.50	.50	.50	.50	.50	.50		
	Ends	.50	.50	.50	.50	.50	.50	.50	.50	.50		
	Stiffeners	-	-	-	-	-	-	-	-	-		
	Brackets, Stays	-	-	-	-	-	-	-	-	-		
HATCH BEAMS	Number											
	Spacing											
	Scantling and Sketch											
Bearing Surface												
FORE AND AFTERS	Number	1										
	Spacing	4'-10 1/2"										
	Unsupported Lengths	6'-3"										
	Scantling* and Sketch	PLATE 1/2" x 50 ANGLES 6 x 3 1/2 x 50										
	Bearing Surface	3"										
HATCH COVERS	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel		
	Thickness	.60	.50	.50	.50	.50	.50	.50	.50	.50		
	How fitted		Hinged	Hinged	Hinged	Hinged	Bolted oil tight	Hinged	Hinged	Hinged		
	Bearing Surface											
Spacing of Cleats		Toggles	8 Toggles	7 Toggles	7 Toggles	7 Toggles	Bolts 3/8" apart	8 Toggles	8 Toggles	8 Toggles		
Number of Tarpaulins		13 21' apart										
*Are wood fore and afters steel shod at all bearing surfaces?		-										
Are battens and wedges efficient and in good condition?		-										
Are tarpaulins in good condition and in accordance with rule requirements?		-										
Are lashings provided in accordance with rule requirements?		-										

ALL HATCHES O.T. & W.T.

Particulars of any special features:—



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