

Lloyd's Register of Shipping.

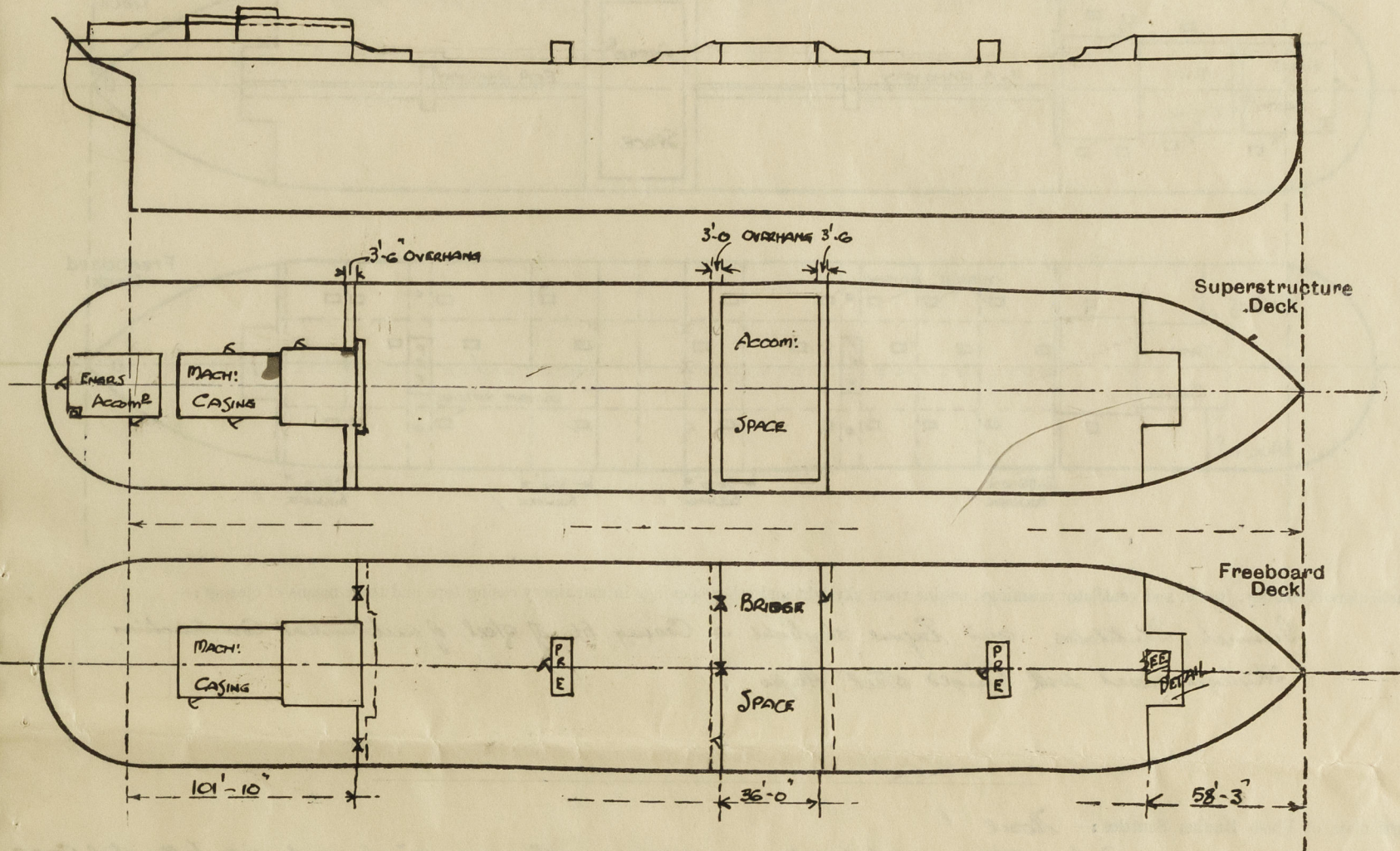
SURVEYS FOR FREEBOARD.

OCT 22 1937

(CONDITIONS OF ASSIGNMENT.)

Ship's Name "BROOMDALE" Port of Survey Glasgow
Official Number 165594 Surveyor's Signature Norman Watson
Nationality and Port of Registry British, London Date of Survey October 1937

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.

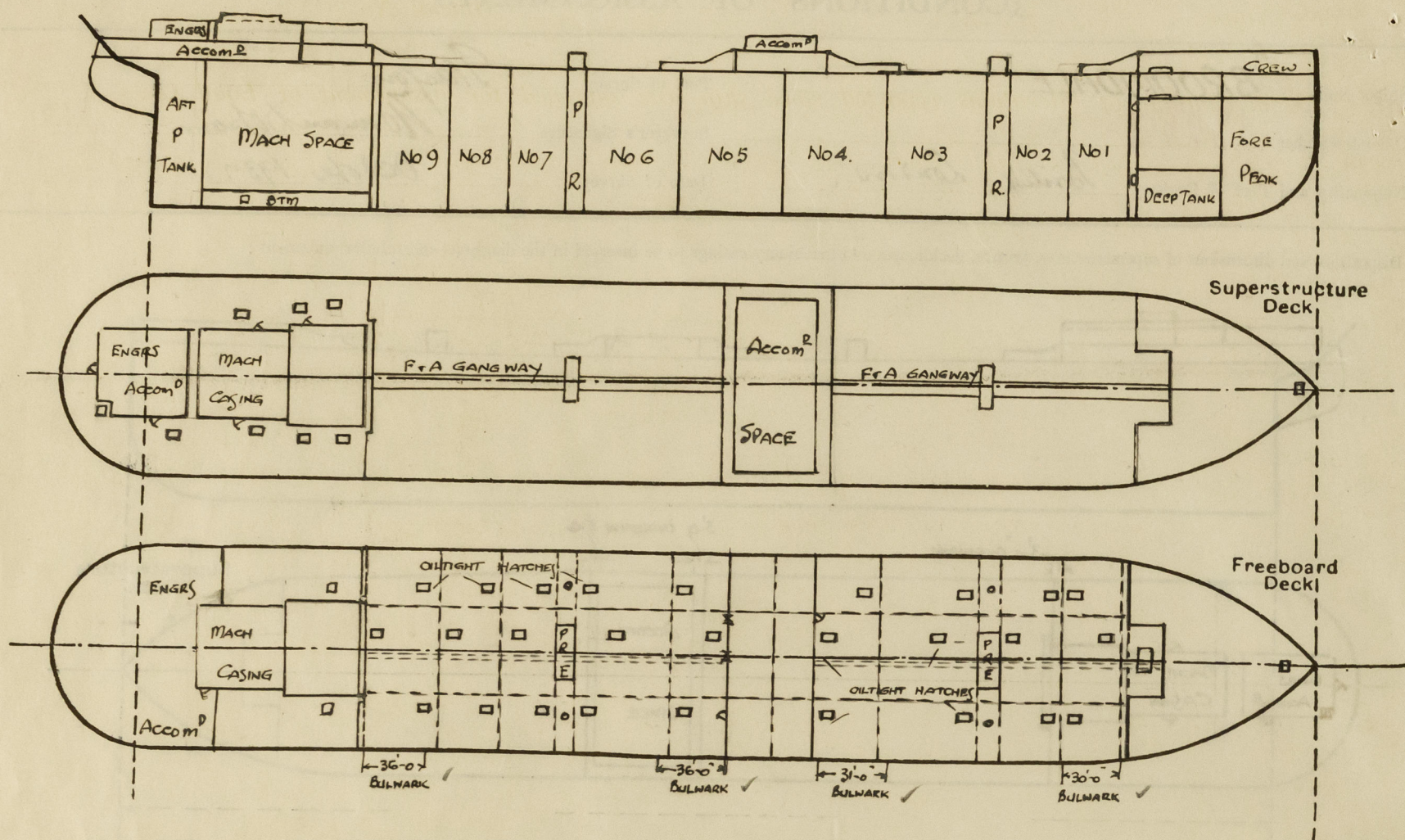
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	.44	.44	6 x 3 x .30 J 10 x 3 1/2 x .46 J	27 1/2 30	Bkts top lug at Btm Lugged	4'-1" x 3'-1"	19"	8'-0"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	.32 - .30	.32 - .30	4 x 3 x .36 - .40 J	33 - 27	None	5'-0" x 3'-0" 5'-1" x 4'-1" 4'-1" x 2'-1"	18 19 19	8'-0"
Bridge, Forward Bulkhead ...	.44	.44	9 x 3 x .46 - .42 J	30 - 28	Lugged	5'-0" x 3'-0" 4'-3" x 2'-3"	18"	8'-0"
Forecastle Bulkhead ...	.30	.30	4 x 3 x .34 J	31 1/2	None	5'-3" x 2'-1"	18	8'-0"
Trunk, Aft Pump Room Entrance	.40	.40	6 x 3 x .38-34 J	34 - 27	Bkts top lug at Btm	4'-3" x 3'-0"	18	6'-6"
Trunk, Forward ...	.40	.40	Do	Do	Do	-	18	6'-6"
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks ...	.30	.30	3 x 3 x .30	@ 30"	Bkts at top	5'-3" x 2'-3" 5'-0" x 2'-1"	15" 18	8'-0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	.30	.26	-	-	-	5'-6" x 2'-6"	12	8'-0"
Deckhouses on Flush Deck Ships ...								

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

Poop Bulkhead ...	3" Wood shifting boards fitted in channels rivetted to bks & bolted plate, bolts not passing thru bks
Raised Quarter Deck Bulkhead ...	10-2. Steel door capable of manipulation from both sides
Bridge, After Bulkhead ...	3" Wood shifting boards fitted in channels rivetted to bulkhead & bolted plate bolts not passing thru bks. 1 Steel door 10-2.
Bridge, Forward Bulkhead ...	10-2. Steel door capable of manipulation from both sides
Forecastle Bulkhead ...	5-6 Steel doors and 12 wood doors capable of manipulation from both sides
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	10-2. Steel door capable of manipulation from both sides
Exposed Machinery Casings on Superstructure Decks ...	Steel doors
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	Do
Deckhouses on Flush Deck Ships ...	

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

*Funnel, Ventilators, and Engine skylight on Casing top of steel of substantial construction
Skylight closed with hinged steel flaps ✓*

Particulars of Flush Bunker Scuttles:— *None ✓*

3 Watertight manholes to each Cofferdam, coaming 10" channels with bolted steel covers ✓

Particulars of Companionways:—

*Poof deck house plating 26 Roaming 18" with wood door on starboard side 5'-2" x 2'-2"
+ 1 Steel W.T. door at after end 5'-0" x 2'-3" capable of manipulation from both sides ✓*

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

On Upper Dk aft	2 @ 20" dia	Coaming 36" x 140"	To Pump Room ✓
Fore	2 @ 20"		
On Poof Dk	5 @ 6"	30" x 30"	Stores etc ✓
	3 @ 8"		Washplace ✓
	4 @ 12"	32" x 34"	Intermediate ✓
	* 2 @ 13"	30" x 34"	
	4 @ 16"	32" x 38"	
On Bridge Dk	1 @ 6"	30" x 30"	Hospital bath etc ✓
Forecastle Dk	1 @ 6" 8 @ 7"	36" x 30"	To Stores etc ✓
	1 @ 9" 2 @ 10"	36" x 32"	Drying Room & Store ✓
	1 @ 12"	36" x 34"	To Pump Room ✓
	2 @ 18"	36" x 40"	Stores ✓
	* 1 @ 19"	36" x 40"	Thermotank inlet ✓

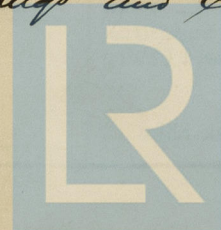
** Fitted with mushroom top remainder of
Ventilators fitted with wood plugs and
Canvas covers ✓*

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

On Upper Dk	2 @ 4" dia	3'-0" in height	To After Cofferdam
	2 @ 4"		Fore
Poof Dk	1 @ 2 1/2"		Stem Comp
	2 @ 6"		After peak tank
	6 @ 3"		2 Btm tanks & Cofferdam
	2 @ 6"		OF Tank
	2 @ 6"		Oil fuel bunkers
Fore Dk	2 @ 6"		Fore peak tank
	2 @ 4"		Deep Tank

*All air pipes fitted with gauge or
wood plugs and Canvas covers*

*An air pipe from each oil Cargo hatch led to 6" main which
is carried up fore and main masts to 10'-0" above mast head lights ✓*



Lloyd's Register
Foundation

Particulars of Gangway Cargo and Coaling Ports :—

None.

Particulars of Scuppers and Sanitary Discharge Pipes :—

Wash and Sanitary discharges from accommodation spaces in Poop, Bridge house and Forecastle spaces fitted with Y.M. non return valves on Ships side. Scuppers from Poop space fitted with Y.M. non return valves on ships side and non detachable screw plugs at inboard ends. Scuppers in wells cut in sheerstrake except at fore end of poop where 3" pipe is fitted.

Particulars of Side Scuttles :—

Poop - 12' to 10' dia of substantial construction with deadlights
Bridge 12' x 10' - " " " "
Forecastle 10' " " " " " "

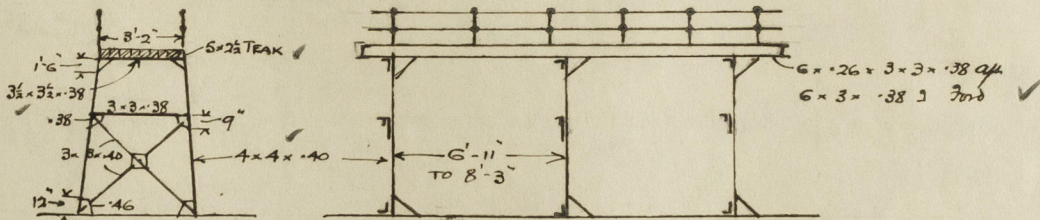
Vertical distance of Sill of lowest Side Scuttle above top of keel 39'-0 1/2'

Particulars of Guard Rails :—

On Upper Dk where fitted, stanchions about 4'-0" apart with 3 rails 4'-0" in height
- Poop & Fore 3'-6"
- Bridge Steel bulwark 3'-6" in height

Particulars of Gangways, Lifelines, etc. :—

Gangway from poop to bridge
& bridge to fore



Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well	36'-0 + 36'-0	4'-0'	1 @ 18" x 9" 1 @ 27" x 9" 2 @ 48" x 9" 1 @ 48" x 9"	5	11.2 sq	open rails for half length of wells.
Forward Well	31'-0 + 30'-0	4'-0'	1 @ 36" x 9" 3 @ 48" x 9"	4	10.8 sq	

State position of each freeing port { After Well :— Fore of Poop - 1'-6", 4'-0", 19'-4" ap of bridge 3'-4" x 18'-6"
(F. and A. position and height above deck edge) { Forward Well :— " Bridge - 3'-10", 19'-3" ap of fore 11'-0" x 16'-6" 12 1/2' above deck

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.

PARTICULARS OF PROTECTION TO OPENINGS, ETC

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
Description of Hatchway			3rd Hatch on Upper Deck	0.7 Hatches on Upper Deck	Small hatches on Poop deck				On Deck	
Dimensions of Hatchway			6'-9" x 10'-0"	27 @ 6'-0" x 4'-0"	2 @ 3'-0" x 3'-0"	1 @ 2'-9" x 2'-9"	4 @ 3'-0" x 3'-0"	1 @ 2'-6" x 2'-9"	1 @ 2'-6" x 2'-0"	
COAMINGS	{	Height above Deck	30 1/2" ✓	12 x 3 1/2" x 45 BA ✓	18" ✓	18" ✓	18" ✓	18" ✓	20" ✓	
		Thickness	Sides	.40 ✓	.40 ✓	.40 ✓	.40 ✓	.40 ✓	.40 ✓	
			Ends	.40 ✓	.40 ✓	.40 ✓	.40 ✓	.40 ✓	.40 ✓	
		Stiffeners	7 x 3 x .38 ✓	.40 ✓	.40 ✓	.40 ✓	.40 ✓	.40 ✓	.40 ✓	
		Brackets, Stays	BA round 2 1/2" ✓	✓	✓	✓	✓	✓	✓	
HATCH BEAMS	{	Number	...							
		Spacing	...							
		Scantling and Sketch	None ✓	✓	✓	✓	✓	✓	✓	
		Bearing Surface	...							
FORE AND AFTERS	{	Number	...	None						
		Spacing	...							
		Unsupported Lengths	...							
		Scantling* and Sketch	Cover stiffened by L's 5 x 3 x .38 @ 3" apart ✓	✓	✓	✓	✓	✓	✓	
		Bearing Surface	...							
HATCH COVERS	{	Material	Steel	Steel	Steel	Steel	wood	wood	Steel	
		Thickness	.30 ✓	.64 ✓	.64 ✓	.64 ✓	3" ✓	3" ✓	.64 ✓	
		How fitted	all tight ✓	Oil tight ✓	Oil tight ✓	Oil tight ✓	On piece ✓	On piece ✓	Oil tight ✓	
		Bearing Surface	...				3" ✓	3" ✓		
Spacing of Cleats			Patent cleat	Dog legs	18" ✓	16" ✓	24" ✓	18"-21" ✓	15"-12" ✓	
Number of Tarpaulins			3'-0" apart ✓	14 to 16 ✓	✓	✓	Two ✓	Two ✓	Two ✓	
			Similar to side hatch							

*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? ✓

Particulars of any special features:—

External displacement at 27'-0 draft	17009 Tons	Tons per inch	58.50
Do Do 28-0 "	17713 "	" "	58.84

Forecastle

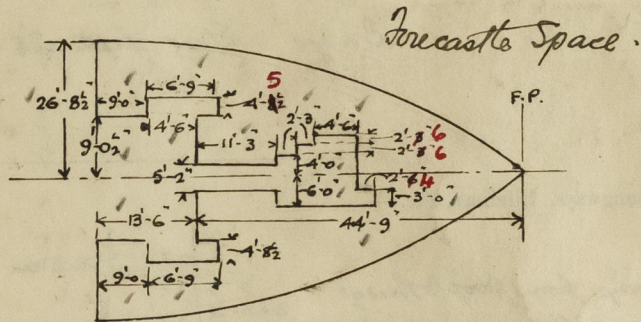
	13.50×18.08	=	<u>244.1</u>
2x	6.75×4.46	=	60.2
	11.25×5.17	=	58.1
	9.00×6.00	=	54.0
	2.33×3.00	=	7.0
	9.00×4.00	=	36.0
	6.75×2.50	=	16.9
	4.50×2.50	=	<u>11.2</u>
			487.8 + 53.42 = 9.13

$$\text{Reass in dock} = \frac{13.50 \times 18.08}{53.42} = \frac{58.25}{4.54}$$

$$\frac{53.68}{49.12}$$

or renewal of Certificate:—

$$\frac{4.56}{4.56}$$



Endorsement at first survey and at surveys for renewal of Certificate :—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.