

Lloyd's Register of Shipping.

Index No.
(For London Office only).SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

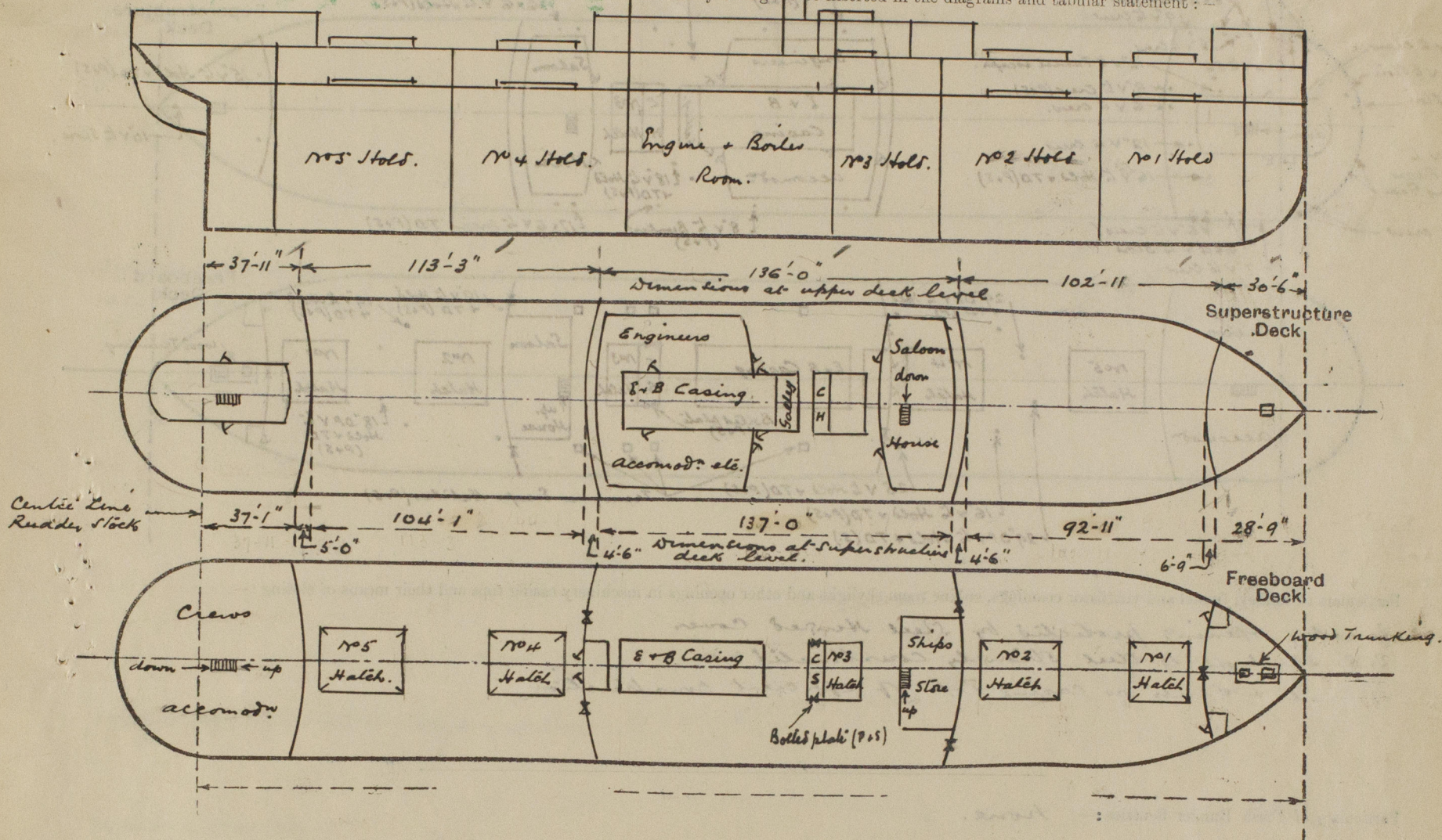
AUG 16 1940

Ship's Name *EMPIRE LIGHT.*Port of Survey *Glasgow.*

Official Number

Surveyor's Signature *T.R. McIlwain*Nationality and Port of Registry *British Glasgow.*Date of Survey *Whilst 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.

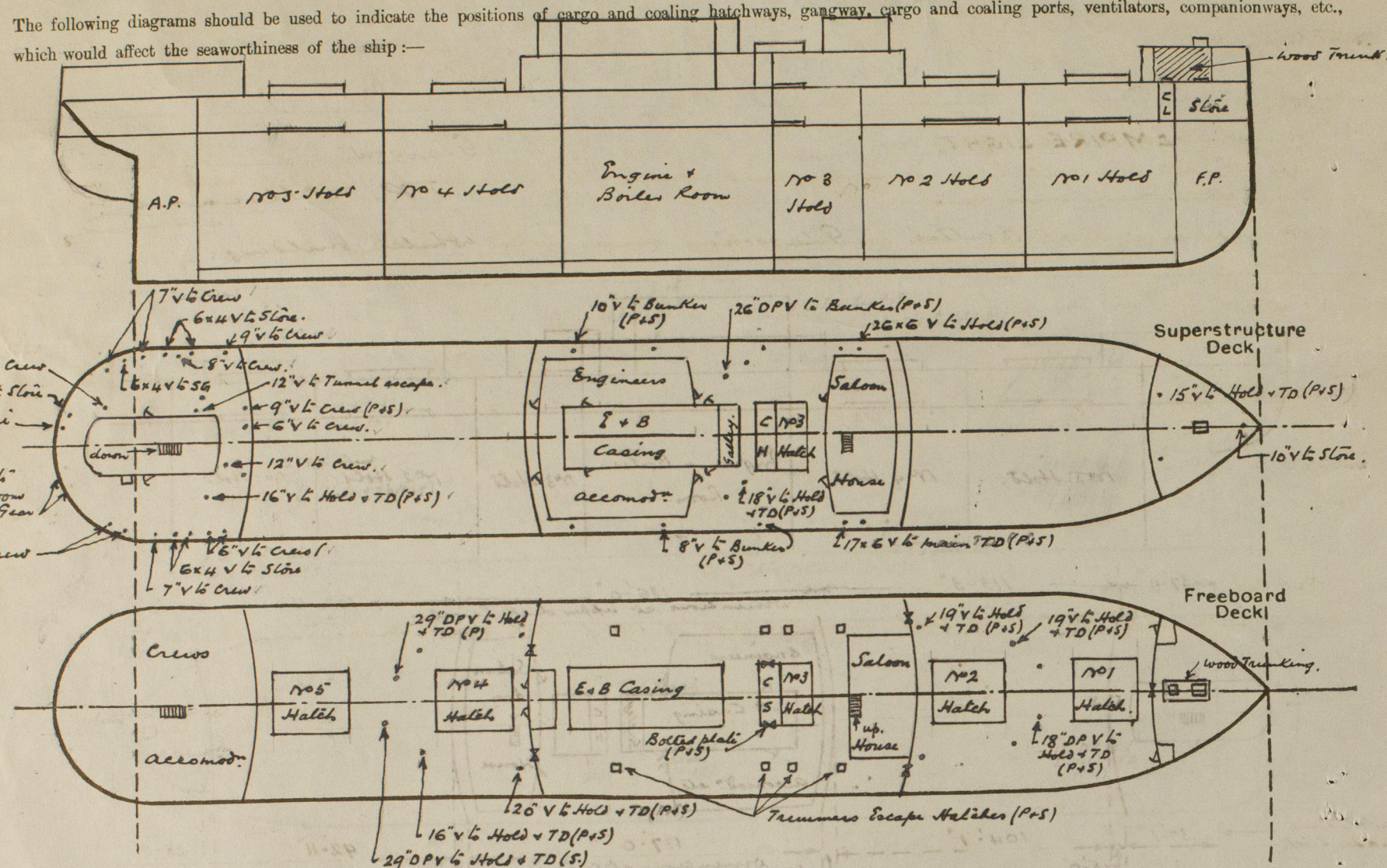
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	.35	.35	5" x 3" x .36 S 5" x 3" x .34	30" x 28"	Rugged Top + Bottom	None	18"	7'-6"
Raised Quarter Deck Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead ...	.30	.30	4 1/2" x 3" x .34	31" x 21"	"	2 @ 5'-6" x 3'-6" 2 @ 5'-0" x 3'-0"	18"	7'-6"
Bridge, Forward Bulkhead ...	.40	.40	8 x 3 x .45 B.A.	26 1/2"	"	2 @ 6'-0" x 3'-6"	9"	7'-6"
Forecastle Bulkhead ...	.28	.26	3 1/2" x 3" x .30	32" x 27"	"	2 @ 5'-1" x 2'-4" 1 @ 5'-1" x 4'-1"	18"	7'-6"
Trunk, Aft ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Forward ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Superstructure Decks ...	.30	.30	3 x 3 x .30	30"	Riveted C bottom bar	2 @ 6'-1 1/2" x 23 1/2"	21" (P) 15" (S)	8'-3 1/4"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	.26	.26	3 1/2" x 2 1/2" x .30	30"	Continuous	2 @ 5'-0" x 4'-0"	18"	7'-6"
Deckhouses on Flush Deck Ships ...	✓	✓	✓	✓	✓	✓	✓	✓

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

Poop Bulkhead ...	None. No openings.
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	2 Hinged Steel Doors Capable of manipulation from both sides. Clamp fastenings (on steel plate) 12" apart not passing through Bulkhead
Bridge, Forward Bulkhead ...	2 Steel plates secured by bolts spaced 3 1/2" apart.
Forecastle Bulkhead ...	2 Hinged Steel Doors Capable of manipulation from both sides. Clamp fastenings (on steel plate) 12" apart not passing through Bulkhead
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ...	2 Hinged steel doors Capable of manipulation from both sides.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	2 Steel plates secured by bolts spaced 4" apart.
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 fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Fiddle opening protected by steel hinged cover.
E.R. Skylight of steel strongly constructed.
Funnel & Ventilator on casing top of efficient construction.

Particulars of Flush Bunker Scuttles:— none.

Particulars of Companionways:— Access to crew on after deckhouse on poop deck openings 4'-10 1/2" x 30" steel 18" strong hinged steel doors capable of manipulation from both sides.
Entrances to Engineer House at fore & after ends openings 5'-1/2" x 24" & 5'-1/2" x 30" steel 15" strong hinged steel doors capable of manipulation from both sides.

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

POOP DECK.	BRIDGE DECK.
2 @ 16" dia coaming 30" x 38 1/2 Hold.	2 @ 26 x 6 coaming 30" x 36 1/2 Hold.
3 @ 7" " " x 30 1/2 crew.	2 @ 17 x 6 " 30" x 34 1/2 Tundek.
1 @ 8" " " " " "	2 @ 18" dia " 30" x 40 1/2 Hold.
2 @ 12" " " " 34 " "	2 @ 10" " " 30" x 32 1/2 Bunker
1 " " " " " 7.E.	4 @ 8" " " 30" x 30 " "
3 @ 9" " " " 32 " crew.	2 @ 26" (DPV) " 27" high x 65 1/2 "
5 @ 6" " " " 30 " "	
1 " 3" " 54 V.	
8 @ 6 x 4 " " " "	
	FOCLE DECK:—
2 @ 16" dia Coaming 36" x 38 1/2 Hold.	2 @ 16" dia Coaming 36" x 38 1/2 Hold.
2 @ 20" " " 19" x 40 " (Slayed)	1 @ 10" " " " 32 1/2 Slats.
2 @ 29 (DPV) " 46" high 140" Cms 1/2 Hold.	
	FORWELL:—
	4 @ 19" dia Coaming 11" x 40 1/2 Hold (Slayed)
	2 @ 18" (DPV) " 11" x 50 " Slayed at Benet Table.

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

FOCLE DECK:—	AFTER WELL:—
1 @ 6" dia C.I. 18" in height to Fore Peak Tank.	2 @ 6" dia C.I. 36" in height to No. 6 DB Tank.
1 " " " " " " " " " " " "	2 @ 6 " " " " " " " " " " " "
FORWELL:—	POOP DECK:—
2 @ 6" dia C.I. 36" in height to No. 1 DB Tank.	2 @ 6" dia C.I. 18" in height to A.P. Tank
2 @ 6 " " " " " " " " " " " "	1 @ 3 " " " " " " " " " " " "
BRIDGE DECK:—	
2 @ 6" dia C.I. 18" in height to No. 2 DB Tank.	
4 @ 6 " " " " " " " " " " " "	
4 @ 6 " " " " " " " " " " " "	
4 @ 6 " " " " " " " " " " " "	
2 @ 6 " " " " " " " " " " " "	

All Air pipes fitted with wood plugs.

Particulars of Gangway Cargo and Coaling Ports:— none.

Empire Light

Particulars of Scuppers and Sanitary Discharge Pipes:—

all Scuppers & discharges from enclosed spaces led overboard & fitted with storm valves at ship's side.
No scuppers or discharges led overboard from spaces below freeboard deck.

Particulars of Side Scuttles:—

all side lights of substantial construction & fitted with steel hinged deadlight.

Vertical distance of Sill of lowest Side Scuttle above top of keel 35'-8"

Particulars of Guard Rails:—

POOP & BRIDGE DECKS:— Rails 3'-10" high 3 Rails: Stanchions spaced about 5'-0" apart.
FOCLE DECK:— " 3'-6" " " " " " " " "

Particulars of Gangways, Lifelines, etc.:—

Provision made for fitting Lifelines on fore & after wells.

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 ...	113'-3"	3'-8 1/2"	4'-0" x 18"	4	24 sq. ft.	22.65 sq. ft.
Forward Well ...	102'-11"	- do -	4'-0" x 18"	4	24 sq. ft.	20.58 sq. ft.

State position of each freeing port ... After Well:— from Bridge end 45'-0", 68'-6", 98'-6"
(F. and A. position and height above deck edge) 10" Forward Well:— from Bridge front 12'-0", 39'-6", 67'-0", 91'-6"

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— 3/4" Rods no shutters.

Additional area where sheer is less than standard.

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PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
Freeboard Deck										
Description of Hatchway	BRIDGE DECK					CASING		BRIDGE		FOCLE D ^W
	NO 1	NO 2	3	4	5	Combined	Coal Hatch	Coal Hatch	T. E. Hatches	
Dimensions of Hatchway	27'x22'	32'6"x22'	14' x 18'	32'6"x22'	32'6"x22'	14'x18'	5'x18'	5'x15'	27'x30'	48'x30'
COAMINGS	Height above Deck ... 30"	as No 1	9	as No 1	as No 1	as No 1	as No 1	9" B.A.	9"x40"	30
	Thickness ... 1/4"	as No 1	1/4"	as No 1	as No 1	as No 1	as No 1	as No 1	as No 1	as No 1
	Stiffeners ... 10x3 1/2 x 44 1/2	as No 1	10x3 1/2 x 44 1/2	as No 1	as No 1	as No 1	as No 1	as No 1	as No 1	as No 1
	Brackets, Stays ... 2 at sides, 1 at ends	as No 1	as No 1	as No 1	as No 1	as No 1	as No 1	as No 1	as No 1	as No 1
HATCH BEAMS	Number ... 4	5	2	5	5	2	✓	✓	✓	✓
	Spacing ... 5-6 max	5-6 max	4-10 max	5-6 max	5-6 max	4-10 max	✓	✓	✓	✓
	Scantling and Sketch ... 20 1/2 x 37 angles	as No 1	15 1/2 x 36 angles	as No 1	as No 1	14 1/2 x 32 angles	✓	✓	✓	✓
	Bearing Surface ... T & B Patent Rollers	✓	as No 1	✓	as No 1	✓	✓	✓	✓	✓
FORE AND AFTERS	Number ...	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Spacing ...	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Unsupported Lengths ...	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Scantling* and Sketch ...	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Bearing Surface ...	✓	✓	✓	✓	✓	✓	✓	✓	✓
HATCH COVERS	Material ... W.P. Reinforced by Shat Steel	as No 1	W.P.	✓	✓	✓	✓	✓	W.P.	as No 1
	Thickness ... 2 3/8 x 1/8"	as No 1	2 3/8	✓	✓	✓	✓	✓	2 3/8	as No 1
	How fitted ... Fore & aft	✓	as No 1	✓	✓	✓	✓	✓	Hinged	as No 1
	Bearing Surface ... 3"	✓	as No 1	✓	✓	✓	✓	✓	3"	as No 1
Spacing of Cleats	24	✓	24	✓	✓	✓	✓	✓	24	✓
Number of Tarpaulins	2	✓	1	✓	✓	✓	✓	✓	Under 24"	2

*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:—

moulded displacement at 85% mld depth = 15358 tons
 Block Coef. " " " " = .7618
 Tons per inch immersion 25' mld draft = 47.88 tons.
 " " " " 25'5 " " = 48.04 "
 " " " " 26'0 " " = 48.27 "

Midship Section & Profile enclosed for reference.
 Freeboard Request Form (Reg 9) enclosed. ✓

Small Hatchways on upper deck
 inside Focle have no covers
 or battening arrangements but
 are protected by 2" W.P.
 I'm looking for free height of
 Tween deck (See Sketch) ✓

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.



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