

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

ISIA

STEAMER, ~~TANKER~~, ~~SAILER~~ : "JUDGE KENEFICK" S.S.
 Nationality *British* Builders' Name and No. of Ship *Earle's S. & E. Co. Ltd*
 Port of Registry *St. Catharines Ont.* TORONTO No 64Y
 Official Number *148430* Owners *Eastern Steamship Co. Ltd*
 Gross Tonnage *1745* *Upper Lakes & St. Lawrence Trans. Co. Ltd.*
 Date of Build *3/1925* Port and Date of Survey *St. Catharines, Ont. 13/4/37*
 Name of Surveyor *E Russell Macmillan*
 Particulars of Classification *B.S. * [Great Lakes & Limited Gulf of St. Lawrence Service]* Names of Sister Ships *"JOHN A. HOLLOWAY", "SHELTON WOOD" etc*
 Type of Superstructures
Forecastle (Sunk)
 Trade of Ship

Service Endorsement if any *and only so long as the ship is employed in Great Lakes and Limited Gulf of St. Lawrence Service*

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)

4'-7"

TROPICAL FRESH WATER LINE above centre of disc —

Corresponding Freeboard —

FRESH WATER LINE " " " 4"

" "

TROPICAL LINE " " " 4"

" "

4'-3"

WINTER LINE below " " " 4"

" "

4'-11"

WINTER NORTH ATLANTIC LINE " " "

" "

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line

TROPICAL FRESH WATER Timber line above L.S.

Corresponding Freeboard

FRESH WATER " " " "

" "

TROPICAL " " " "

" "

WINTER " " below "

" "

WINTER NORTH ATLANTIC " " " "

" "

Number of years recommended for load line certificate

The scantlings and protective arrangements being in accordance with the Load Line Rules it is submitted that the freeboards be assigned

Chief Surveyor

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft

on the

14th December 1938



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The Freeboard Report has been compared with the
approved plans and found in order.



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For Computation JEE
"SHIRLEY G. TAYLOR." No. 1511
COMPUTATION OF FREEBOARD

Length on summer load line 253'-0" Moulded Breadth 43'-1" Moulded Depth 20'-0 1/2" Depth of Keel
Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 4440 Tons
Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} =$

Displacement and tons per inch immersion in salt water at summer load line

Moulded depth Deduction for Fresh Water $\frac{\Delta}{40 T} =$ inches

Stringer Plate Round of Beam Correction

Sheathing on exposed deck T $\left(\frac{L-S}{L}\right)$ Ships Round of Beam inches

Rise of floor (in sailers) Standard Round of Beam $\frac{B \times 12}{50}$

Depth for Freeboard (D) Difference

Table Depth Restricted to

Depth Correction Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{E}{L}\right) =$

If restricted by superstructures

| | Enclosed Length | Length of Overhang | Height | Mean Covered Length (S) | Height Correction | Effective Length (E) |
|---------------------|-----------------|--------------------|--------------|-------------------------|-------------------|----------------------|
| Poop | 20'-7 1/2" | | | | | |
| Raised Quarter Deck | | | | | | |
| Bridge | | F | | | | |
| | | A | | | | |
| Forecastle | 35'-2 1/2" | | 7'-0" (Sunk) | | | |
| Trunk Aft | | | 2'-0" | | | |
| " Forward | | | 5'-0" | | | |
| Tonnage Opening Aft | | | | | | |
| " Forward | 20'-7 1/2" | | | | | |
| Totals | | | | | | |

| Station | Actual Sheer | Standard Sheer | Effective Sheer | S.M. | Product |
|----------------------|--------------|----------------|-----------------|------|---------|
| A.P. | 20'-7 1/2" | | | 1 | |
| 1/2 L from A.P. | | | | 4 | |
| 1/2 L from A.P. | | | | 2 | |
| Amidships | | | | 4 | |
| 1/2 L from F.P. | | | | 2 | |
| 1/2 L " " | | | | 4 | |
| F.P. | 20'-7 1/2" | | | 1 | |
| | | | | 18 | |
| Effective Mean Sheer | | | | | |
| Standard " " | | | | | |
| Difference | | | | | |

TABULAR FREEBOARD corrected for flush deck if required =

Correction for co-efficient =

| | + | - |
|--------------------------------------------|---|---|
| Depth correction | | |
| Deduction for superstructures | | |
| Sheer correction | | |
| Round of Beam correction | | |
| Correction for thickness of deck amidships | | |
| Other corrections, scantlings, etc. | | |

| | |
|-------------------------------------------------------------------|---|
| Summer Freeboard in inches | = |
| Additional allowance for superstructures on Timber carrying ships | = |
| Summer Timber Freeboard in inches | = |

DRAUGHTS AND SEASONAL CORRECTIONS

| | Sailer, Tanker, Steamer | Timber |
|----------------------------------------------------------------|-------------------------|--------|
| Depth to Freeboard Deck in feet | | |
| Summer Freeboard in feet | | |
| Moulded Draught (d) | | (d1) |
| Addition for Keel | | |
| Extreme draught | | |
| Deduction for Tropical and addition for Winter freeboard d/4 = | | ins. |
| Addition for Winter North Atlantic (if required) | | ins. |
| Deduction for Tropical Timber Freeboard $\frac{d1}{d}$ | | ins. |
| Addition for Winter " $\frac{d1}{3}$ | | ins. |
| " " N.A. Timber Freeboard (if required) | | ins. |

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Form LL. 4.D.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

CONDITIONS OF ASSIGNMENT

SHIPS NAME

OFFICIAL NUMBER

Nationality and Port of Registry

PARTICULARS OF SUPERSTRUCTURES, TRUNKS, CASINGS, DECKHOUSES

| | Coaming | Plating | Stiffeners | Spacing | End Attachments | No. and size of Openings | Height of Sills | Height of Casings |
|------------------------------------------------------------------------------------|-----------|---------|------------|---------|-----------------|--------------------------|-----------------|-------------------|
| Poop Bulkhead | | | | | | | | |
| R.Q.D. " | | | | | | | | |
| Bridge Aft Bulkhead | | | | | | | | |
| " Forward " | | | | | | | | |
| Forecastle Bulkhead | 3/4 x 3/4 | 1/4 | | 30" | | | | |
| Trunk, Aft | | | | | | | | |
| " Forward | | | | | | | | |
| Exposed Machinery Casings on Freeboard or R.Q. Deck | | | | | | | | |
| Exposed Machinery Casings on superstructure decks | | | | | | | | |
| Machinery Casings within Superstructures not fitted with Cl. 1. closing appliances | | | | | | | | |
| Deckhouses on flush deck ships | | 5/16 | 7 x 3 AA. | 30" | none. | | | |

PARTICULARS OF CLOSING APPLIANCES (state if capable of being manipulated from both sides)

| | |
|-----------------------------------------------------------------------------------|--|
| Poop Bulkhead | |
| R.Q.D. " | |
| Bridge Aft Bulkhead | |
| " Forward " | |
| Forecastle Bulkhead | |
| Exposed Machinery Casings on Freeboard or R.Q. Deck | |
| Exposed Machinery Casings on superstructure decks | |
| Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances | |
| Deck houses on Flush Deck ships | |

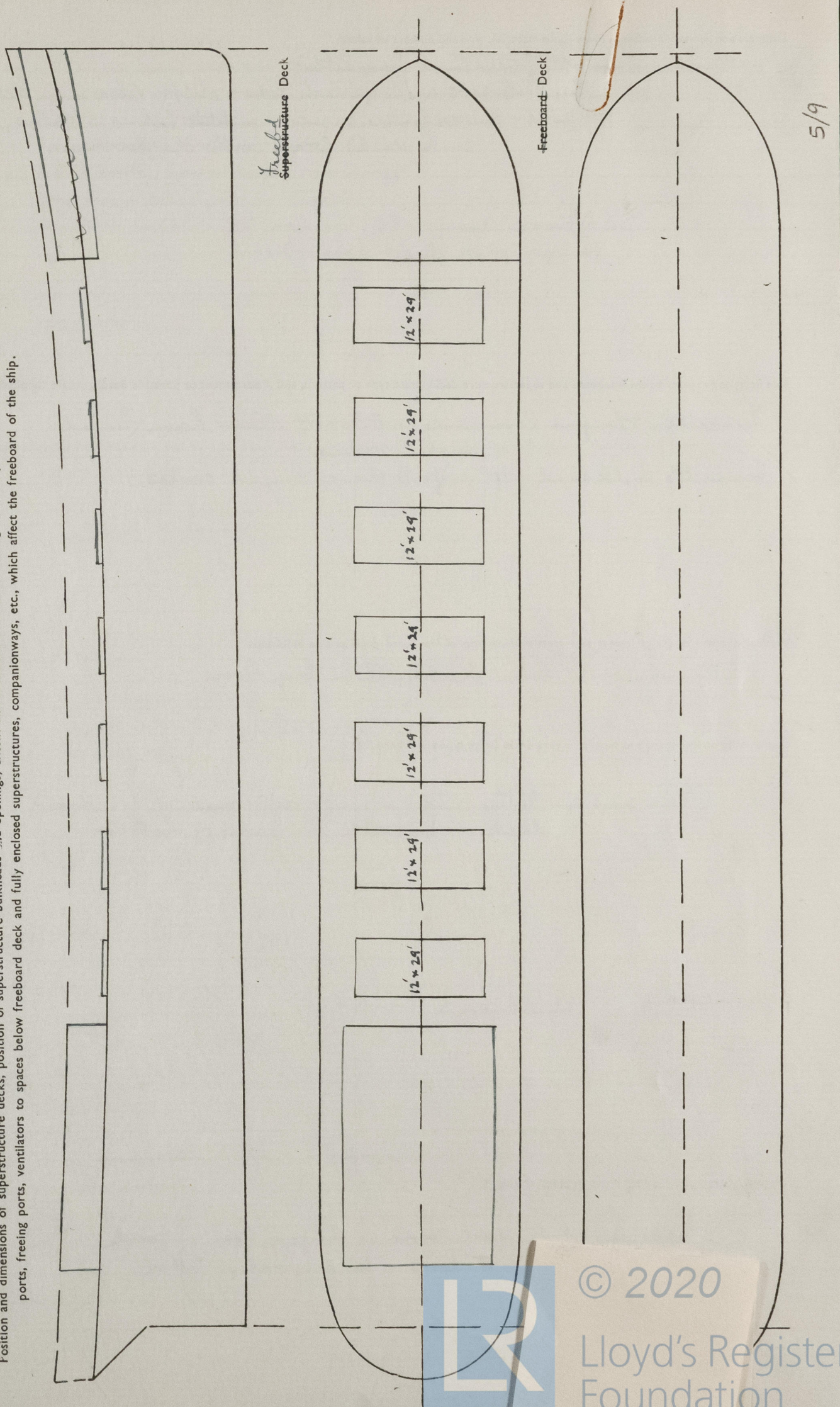
1 door - 57" x 24" x 2" solid wood - 14" sill
1 " - 54" x 24" x 1 1/2" covered with 3/4" plate - 14" sill
HINGED STEEL DOORS TO FORECASTLE 14" SILL
Engine casing - inside house - steel.
Ble Room Ent. - Outer door - 58" x 24" x 1/4" steel - 15" sill. } steel casing in
Inner " " " " " " " " " " " " } passageway.
Dry Room Ent. - Outer " " " " " " " " " " " " } wood casing in
Inner " " " " " " " " " " " " } passageway.
No fantail entrance

PARTICULARS OF FREEING ARRANGEMENTS

| | Length of Bulwark | Height of Bulwark | No. and size of Freeing Ports each side | Area each side | Rule Area |
|-------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------------|----------------|-----------|
| After Well | | | | | |
| Forward Well | | | | | |
| State fore and aft position and height above deck to bottom of port, for each port | | | After Well | | |
| | | | Forward Well | | |
| State whether freeing ports are fitted with shutters, bars or rails, and give particulars | | | | | |
| Give particulars of freeing port area, etc., on superstructure decks | | | | | |

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Position and dimensions of superstructure decks, position of superstructure bulkheads and openings, extent and thickness of wood sheathing in wells, position of cargo and coaling hatchways, gangway, cargo and coaling ports, freeing ports, ventilators to spaces below freeboard deck and fully enclosed superstructures, companionways, etc., which affect the freeboard of the ship.



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PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

| Number and description of Hatchway from forward | | 1, 2, 3 & 4 | 5, 6 & 7 |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Dimensions of Hatchway | | 12' x 29' | 12' x 29' |
| COAMINGS | Height above wood { steel { deck | 9 x 3 1/2 x 1/4 BA. | 12 x 3 1/2 x 5 BA. |
| | Thickness { sides ends | | |
| | Stiffeners | none | |
| Brackets or Stays | | none | |
| HATCH BEAMS | Number | 1 | |
| | Spacing | 6-0" | |
| | Scantling and Sketch | 7 x 7 wood | |
| | Bearing Surface and thickness of carriers or sockets | 3 x 3 x 3/8 | |
| FORE AND AFTERS | Number | 3 | |
| | Spacing | 7'-3" | |
| | Unsupported lengths | | |
| | Scantling and Sketch | $\begin{cases} \text{I } 3 \frac{1}{2} \times 3 \frac{1}{2} \times 6 \\ \text{I } 9 \times 3 \frac{1}{2} \times 5 \text{ BA.} \end{cases}$ | 1 at centre |
| | | $\text{I } 9 \times 4 \frac{1}{4} \times 5 \frac{1}{16}$ | 2 - at sides. |
| Bearing Surface and thickness of carriers or sockets | | 3 1/2 x 3 x 1/2 | |
| HATCH COVERS | Material | Wood | |
| | Thickness | 2 3/4" | |
| | How Fitted | F. & A. | |
| | Bearing Surface | 3" (x 3 1/2) | |
| Spacing of Cleats | | 24 | |
| Number of Tarpaulins | | 2 | |
| Are tarpaulins in good condition and in accordance with rule requirements? <i>yes</i> | | | |
| Are lashings provided in accordance with rule requirements? <i>- securing bars fitted.</i> | | | |
| Deck scuttle hatch (one-double) - 18" x 1/2" plate coaming; 2 3/4" wood covers; 2 1/2" rest bars; cleats as reqd. | | | |
| Hatch Coaming Penalty say 3 1/2" (same as D.B. Hanna.) | | | |
| Main Hatch Beams. | | | |
| Rule 1/4" @ 7' ans = 25.8 | | | |
| 1 @ centre I $\frac{1}{4} = 16.14$ | | | |
| 2 @ side I $\frac{1}{4} = 19$ Def approx 50%. | | | |
| Penalty say 10" | | | |
| Aux Hatch Beams:- | | | |
| Deficiency similar to "SHELTON WEEB" = 24.6%. | | | |
| Penalty = ??? | | | |
| Securing bars - 4 x 3 x 3/8 angles - 2 athwartship each hatch. | | | |
| Are wood ^{beams} fore and afters steel shod at all bearing surfaces? <i>yes.</i> | | | |
| Are battens and wedges efficient and in good condition? <i>yes.</i> | | | |

Give full particulars of the following:—

Fiddle, Funnel and Vent Coamings, Engine Room skylight and other openings ^{on deck house} in Machinery Casings top and their means of closing (state height of coamings, type of fiddle covers, and if these are permanently attached in their proper positions)

Fiddles - 2 1/2" coamings - hinged steel covers.

Funnel - 12" coaming.

E & B Vents have high coamings.

Eng. room skylight - steel.

Bunker hatch - 30" coaming; 2 3/4 wood covers 4 ft long;
3" rest bars; cleats @ 24" apart.

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment)

None

Companionways on freeboard and superstructure decks (state material, height of doorway sills, type of doors, and if these can be closed and secured from both sides)

None.

Ventilators in exposed positions on freeboard, raised quarter and superstructure decks to spaces below freeboard decks and fully enclosed superstructures enclosed by Class 1 appliances (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements)

None (except S.D.M.V. on fore d.k.)

Airpipes in exposed positions on freeboard, raised quarter and superstructure decks (state height to opening and if satisfactory closing arrangements are provided)

Forecastle deck - 1 N. airpipes - 16" high
Freeboard " " " - 10" "

Scuppers and Sanitary Discharge Pipes (state material, type and number of valves)

Discharges forward (from sink fore-castle)

In fore peak - 1 W.C. discharge each side - clapper valves on outlets.

N^o 1 Hold - One scupper each side - outlets (about 18" below
sink deck) fitted with clapper valves.

Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

Forecastle & Engine room side scuttles - 10" dia - have hinged
metal covers.

Forecastle Bulk head - 10" airports have hinged covers.

Vertical distance of sill of lowest side scuttle below top of freeboard deck at side amidships

Sills - about 18" below freebd dk in Eng. Room.

Guard Rails on freeboard and superstructure decks (state type and where fitted)

Open rails - 2 tier rod (or wire) all around freeboard
deck - portable in way of hatches.

Gangways and Lifelines

Lifelines to be fitted

Gangway, Cargo and Coaling Ports in sides of ship

Gangway door each side in Engine room - good
strong W.T. doors - as originally fitted.

SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructure and Machinery Casings comply with rules?

Is provision made for protection of steering gear?

Is emergency steering gear provided?

Are efficient sockets and eyes for lashings provided and properly spaced?

State particulars of longitudinal subdivision in double bottom

State particulars of Bulwarks and Rails

Particulars of any Special Features in the construction of the Ship

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

The fittings and appliances are in accordance with the particulars shown in the form and are in good condition



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