

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

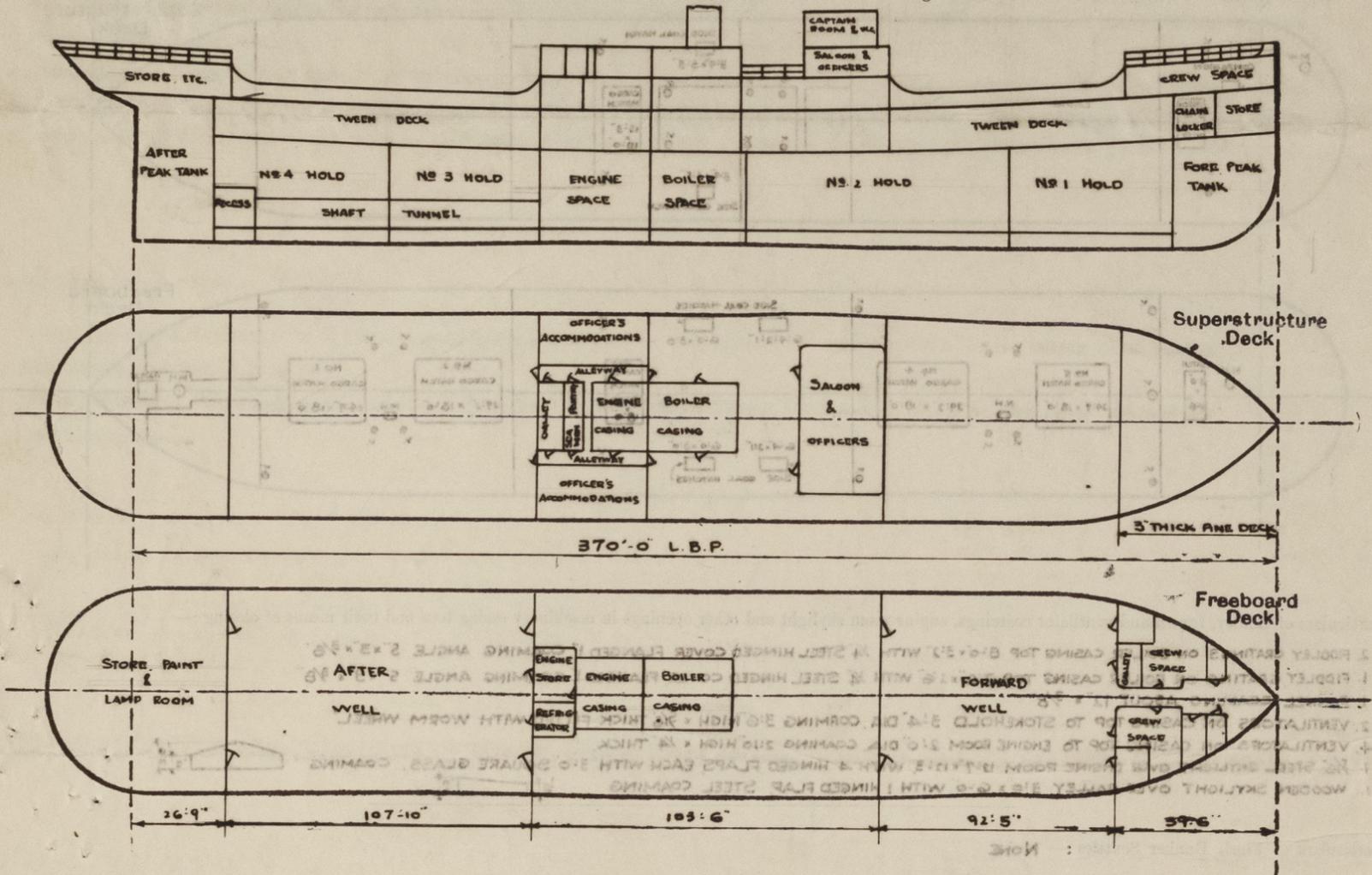
(CONDITIONS OF ASSIGNMENT.)

Ship's Name **MUNLOCK, Ex MUNDELTA.** Port of Survey **SHANGHAI**

Official Number **171175** Surveyor's Signature *G. Pinner*

Nationality and Port of Registry **BRITISH SHANGHAI** Date of Survey **20th & 21st Oct. 1938.**

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.

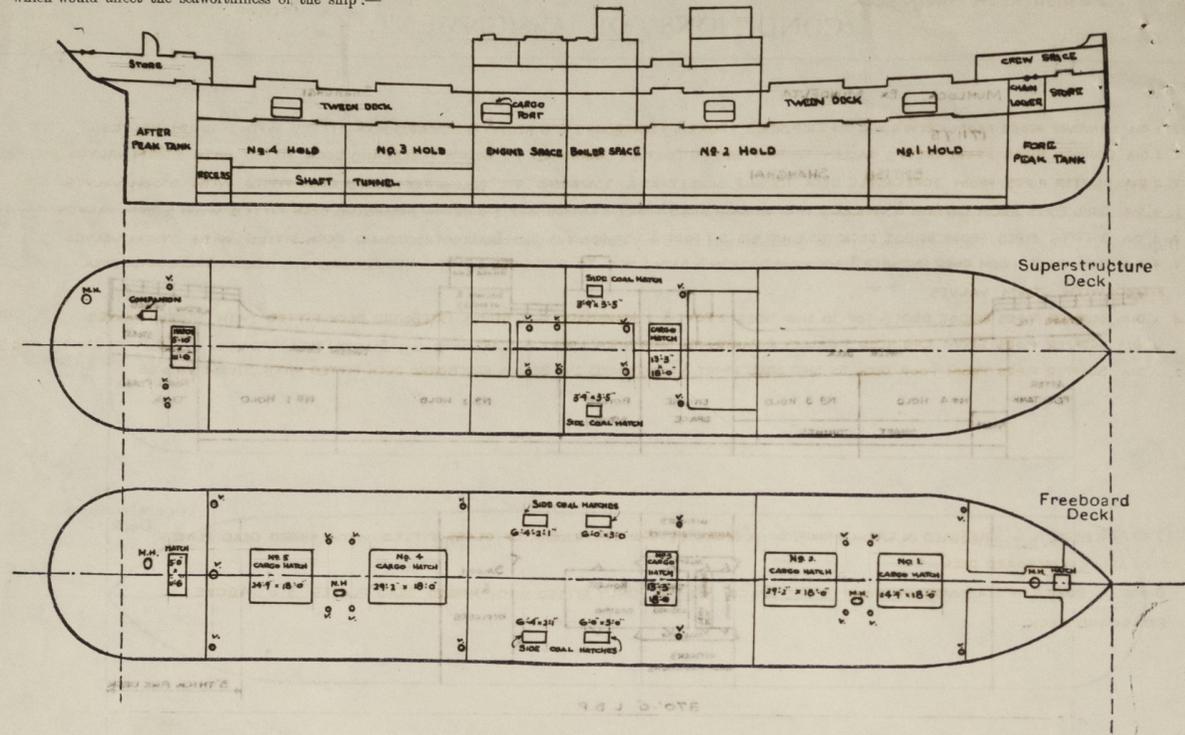
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	7/16"	3/8"	6" x 3 1/2" x 3/8"	2'-0"	TOP & BOTTOM BRACKETS 18" x 18" x 7/8"	2. 5'-0" x 4'-0"	8"	7'-6"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	3/8"	5/16"	5" x 3" x 3/16"	2'-2 1/2"	NONE	2. 5'-0" x 4'-0" 1. 5'-0" x 3'-0"	8"	7'-6"
Bridge, Forward Bulkhead ...	7/16"	3/8"	7" x 3 1/2" x 3/8" 4" x 3" x 3/8"	2'-9"	TOP & BOTTOM BRACKETS 18" x 18" x 7/8"	1. 4'-5" x 4'-0"	16"	7'-6"
Forecastle Bulkhead ...	7/16"	1/4"	3 1/2" x 3 1/2" x 1/4"	2'-3"	NONE	4. 4'-0" x 2'-0"	18"	7'-6"
Trunk, Aft ...								
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks ...	3/8"	5/16"	4" x 3" x 3/8"	2'-3"	TOP BRACKETS 12" x 12" x 3/8"	2. 5'-6" x 2'-4" TO B.R. 4. 5'-6" x 2'-4" TO ALLEYWAY 2. 5'-0" x 2'-0" TO B.R.	16"	8'-1"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...								
Deckhouses on Flush Deck Ships ...								

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

Poop Bulkhead ...	2. 3/8" STEEL WATER-TIGHT DOORS WITH WROT IRON HINGES & 10 CLIPS, & RUBBER PACKINGS, OPERATED OUTSIDE, ONLY. ✓
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead ...	2. 3/8" STEEL WATER-TIGHT DOORS WITH WROT IRON HINGES & 11 CLIPS, & RUBBER PACKINGS, OPERATED OUTSIDE ONLY. 1. 5/16" STEEL WATER-TIGHT DOORS WITH WROT IRON HINGES, TO ENGINE STORE OPERATED OUTSIDE ONLY. 1. 1/16" STEEL HINGED WATER-TIGHT DOOR FITTED WITH LINER, 7" THICK TO REFRIGERATOR, OPERATED OUTSIDE ONLY. ✓
Bridge, Forward Bulkhead ...	2. 3/8" STEEL WATER-TIGHT DOORS WITH WROT IRON HINGES & 10 CLIPS, & RUBBER PACKINGS, OPERATED OUTSIDE ONLY. ✓
Forecastle Bulkhead OPEN ...	4. 2" THICK O.P. DOORS WITH HINGES NON-WATERTIGHT, OPERATED OUTSIDE ONLY, TO SIDEHOUSES
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	
Exposed Machinery Casings on Superstructure Decks ...	2. 7/16" STEEL WATERTIGHT DOORS WITH WROT IRON HINGES & RUBBER PACKINGS TO BOILER ROOM, 4. 5/16" STEEL WATERTIGHT DOORS WITH WROT IRON HINGES & RUBBER PACKINGS TO ENGINE ROOM ALLEYWAY, 2. 1/16" STEEL HINGED DOORS TO ENGINE ROOM, ALL DOORS ARE OPERATED OUTSIDE ONLY. ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	
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:—

- 2. FIDDLE GRATINGS ON BOILER CASING TOP 8'-6" x 3'-1" WITH 1/4" STEEL HINGED COVER, FLANGED 1" COAMING ANGLE 5" x 3" x 3/8"
- 1. FIDDLE GRATING ON BOILER CASING TOP 7'-6" x 2'-6" WITH 1/4" STEEL HINGED COVER, FLANGED 1" COAMING ANGLE 5" x 3" x 3/8"
- 1. FUNNEL COAMING ABOUT 12" x 3'-8"
- 2. VENTILATORS ON CASING TOP TO STOKEHOLD 3'-4" DIA. COAMING 3'-6" HIGH x 3/8" THICK, FITTED WITH WORM WHEEL
- 4. VENTILATORS ON CASING TOP TO ENGINE ROOM 2'-0" DIA. COAMING 2'-10" HIGH x 3/8" THICK
- 1. 3/8" STEEL SKYLIGHT OVER ENGINE ROOM 12'-7" x 12'-3" WITH 4 HINGED FLAPS, EACH WITH 3'-0" SQUARE GLASS, COAMING
- 1. WOODEN SKYLIGHT OVER GALLEY 3'-0" x 6'-0" WITH 1 HINGED FLAP, STEEL COAMING

Particulars of Flush Bunker Scuttles:— NONE

Particulars of Companionways:—

- 1. STEEL COMPANION ON POOP DECK TO STORE, 4'-6" x 3'-0" x 6'-0", WITH 1 STEEL WATERTIGHT DOOR 3'-10" x 2'-0" IN AFTER END, FITTED WITH 6 CLIPS, COAMING 19" HIGH x 3/8" THICK, DOOR SILL 1'-9" ABOVE DECK.

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

- 2. VENTILATORS IN FORWARD WELL OF FREEBOARD DECK TO TWEEN DECK & HOLD, 23" DIA. COAMING 12'-0" HIGH x 3/8" THICK
- 4. VENTILATORS IN FORWARD WELL OF FREEBOARD DECK TO TWEEN DECK & HOLD 23" DIA. COAMING 8'-0" HIGH x 3/8" THICK
- 2. VENTILATORS IN AFTER WELL OF FREEBOARD DECK TO TWEEN DECK & HOLD 23" DIA. COAMING 20'-0" HIGH x 3/8" THICK
- 4. VENTILATORS IN AFTER WELL OF FREEBOARD DECK TO TWEEN DECK & HOLD 23" DIA. COAMING 8'-0" HIGH x 3/8" THICK
- 2. VENTILATORS IN AFTER WELL OF FREEBOARD DECK TO TWEEN DECK & HOLD 23" DIA. COAMING 12'-0" HIGH x 3/8" THICK
- 1. VENTILATOR IN AFTER WELL OF FREEBOARD DECK TO TUNNEL 23" DIA. COAMING 11'-2" HIGH x 3/8" THICK, FITTED WITH 1 STEEL WATERTIGHT DOOR
- 2. VENTILATORS ON POOP DECK TO STORE SPACE 10" DIA. COAMING 3'-0" HIGH x 3/8" THICK
- 1. VENTILATOR ON POOP DECK TO STORE SPACE 14" DIA. COAMING 1'-11" HIGH x 3/8" THICK
- 2. VENTILATORS ON BRIDGE DECK TO TWEEN DECK & HOLD 23" DIA. COAMING 12'-5" HIGH x 3/8" THICK
- 1. VENTILATOR ON BRIDGE DECK TOP TO OFFICER'S ACCOMMODATION 5" DIA. COAMING 1'-6" HIGH x 3/8" THICK
- 5. MUSHROOM VENTILATORS ON BRIDGE DECK TOP TO OFFICER'S ACCOMMODATION 8" DIA. COAMING 9" SCREW DOWN TOPS
- 11. MUSHROOM VENTILATORS ON BRIDGE DECK TOP TO ENGINEER'S ROOM, FITTER'S ROOM & W.C. 6 PORT & 5 STARBOARD 8" DIA. COAMING 9" SCREW DOWN TOPS

VENTILATORS ABOVE 36" HIGH ARE SUITABLY SUPPORTED

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

- 1. GALVANIZED IRON AIR PIPE ON FORECASTLE DECK TO FORE PEAK TANK 5" BORE x 2'-0" x 1'-5"
- 1. GALVANIZED IRON AIR PIPE ON POOP DECK TO AFTER PEAK TANK 3 1/2" x 2'-0" x 1'-5"
- 2. GALVANIZED IRON AIR PIPE IN FORWARD WELL OF FREEBOARD DECK TO DOUBLE BOTTOM TANK 8 1/2" x 2'-8" x 2'-4"
- 2. GALVANIZED IRON AIR PIPE IN AFTER WELL OF FREEBOARD DECK TO DOUBLE BOTTOM TANK 8 1/2" x 2'-8" x 2'-4"
- 2. GALVANIZED IRON AIR PIPE IN AFTER WELL OF FREEBOARD DECK TO DOUBLE BOTTOM TANK 8 1/2" x 7'-2 1/2" x 6'-8 1/2"
- 2. GALVANIZED IRON AIR PIPE ON BRIDGE DECK TO SIDE COAL BUNKER 3 1/4" x 3'-2" x 2'-9"
- 2. GALVANIZED IRON AIR PIPE ON BRIDGE DECK TO BOILER ROOM 4 1/2" x 1'-6" x 1'-1"

Munlock.

Particulars of Gangway Cargo and Coaling Ports:—

8 OFF WATERTIGHT CARGO PORT DOORS, 4 PORT & 4 STARBOARD, OPENING 8'-6" x 5'-6". DOOR FITTED IN TWO PIECES UPPER & LOWER, EACH FITTED WITH 4 STRONG WROT IRON HINGES & 24-1 1/2" DIA. BOLTS SPACED 17" APART. DOOR PLATE 3/8" THICK, WITH 6" x 4" x 5/8" ANGLE, SILL 2'-0" HIGH ABOVE TWEEN DECK.

Particulars of Scuppers and Sanitary Discharge Pipes:—

- 2. 2" DIA. SANITARY PIPES FROM CREW'S W.C. TO SHIP SIDES, 1 PORT & 1 STARBOARD 6'-8" BELOW FREEBOARD DECK, FITTED WITH STORM VALVES
- 2. 2" DIA. SCUPPER PIPES FROM CREW'S GALLEY TO SHIP SIDES, 1 PORT & 1 STARBOARD 7'-2" BELOW FREEBOARD DECK FITTED WITH STORM VALVES
- 2. 2" DIA. SCUPPER PIPES FROM FORECASTLE DECK TO SHIP SIDES, 1 PORT & 1 STARBOARD 7'-2" BELOW FREEBOARD DECK FITTED WITH STORM VALVES
- 2. 4" DIA. SOIL PIPES FROM CAPTAIN & OFFICER'S W.C. TO SHIP SIDES, 1 PORT & 1 STARBOARD 2'-0" BELOW FREEBOARD DECK FITTED WITH STORM VALVES
- 2. 3" DIA. SCUPPER PIPES FROM BRIDGE DECK TO SHIP SIDES, 1 PORT & 1 STARBOARD 2'-0" BELOW FREEBOARD DECK FITTED WITH STORM VALVES
- 2. 4" DIA. SOIL PIPES FROM CHIEF ENGINEER & ACCOMMODATION'S BATH & W.C. TO SHIP SIDES, 1 PORT & 1 STARBOARD 2'-0" BELOW FREEBOARD DECK FITTED WITH STORM VALVES
- 4. 2" DIA. SCUPPER PIPES BRIDGE DECK & TOP TO SHIP SIDES, 2 PORT & 2 STARBOARD 6'-1" BELOW FREEBOARD DECK FITTED WITH STORM VALVES
- 2. 2" DIA. SCUPPER PIPES FROM ENGINEER'S GALLEY & PANTRY TO SHIP SIDES, 1 PORT & STARBOARD 6'-1" BELOW FREEBOARD DECK FITTED WITH STORM VALVES
- 2. 3" DIA. SCUPPER PIPES FROM POOP DECK TO SHIP SIDES, 1 PORT & 1 STARBOARD 2'-0" BELOW FREEBOARD DECK FITTED WITH STORM VALVES

Particulars of Side Scuttles:—

- 12 OFF 6 PORT & 6 STARBOARD IN CREW SPACE OF FORECASTLE 9 1/2" DIA. CLEAR OF GLASS FITTED WITH HINGED DEAD PLATES 5'-0" ABOVE FREEBOARD DECK.
- 8 OFF 4 PORT & 4 STARBOARD IN POOP STORE SPACE 9 1/2" DIA. ONLY FITTED WITH HINGED DEAD PLATES 5'-0" ABOVE FREEBOARD DECK.

Vertical distance of Sill of lowest Side Scuttle above top of keel ABOUT 37'-0"

Particulars of Guard Rails:—

- HAND RAIL STANCHIONS ON FORECASTLE DECK, 4'-0" APART, 3'-2" ABOVE DECK WITH 2 RAILS, TOP 1 1/4" DIA. TUBES, LOWER 1" DIA. RODS
- HAND RAIL STANCHIONS ON BRIDGE DECK 5'-0" APART, 3'-2" ABOVE DECK WITH 2 RAILS, TOP 1 1/4" DIA. TUBES, LOWER 1" DIA. RODS
- HAND RAIL STANCHIONS ON POOP DECK 5'-0" APART, 3'-2" ABOVE DECK WITH 2 RAILS, TOP 1 1/4" DIA. TUBES, LOWER 1" DIA. RODS
- HAND RAIL STANCHIONS ON BRIDGE DECK TOP, 5'-0" APART, 3'-2" ABOVE DECK WITH 2 RAILS, TOP 1 1/4" DIA. TUBES, LOWER 1" DIA. RODS

Particulars of Gangways, Lifelines, etc.:—

RIGGED AS REQUIRED

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 ...	107'-10"	3'-8"	4'-0" x 1'-9"	3	21 SQ FT	21.56 sq ft
Forward Well ...	92'-5"	3'-8"	4'-0" x 1'-9"	3	21 SQ FT	18.48 sq ft

State position of each freeing port ... (After Well:— 21'-6", 48'-6", 75'-6" FROM POOP BULKHEAD } 10" ABOVE DECK EDGE
(F. and A. position and height above deck edge) (Forward Well:— 23'-0", 49'-0", 76'-0" FROM FORECASTLE BULKHEAD

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—
EACH FREEING PORT FITTED WITH 1" DIA. RODS VERTICALLY SPACED 6" APART.
Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.											ON BRIDGE DECK	ON POOP DECK
Description of Hatchway	NO. 1 CARGO HATCH	NO. 2 CARGO HATCH	NO. 3 CARGO HATCH	NO. 4 CARGO HATCH	NO. 5 CARGO HATCH	HATCH TO STORE	2 OFF SIDE COAL HATCHES	2 OFF SIDE COAL HATCHES	HATCH INSIDE POOP	CARGO HATCH	2 OFF SIDE COAL HATCHES	CARGO HATCH
Dimensions of Hatchway	24'9" x 18'0"	29'2" x 18'0"	13'3" x 18'0"	29'2" x 18'0"	24'9" x 18'0"	4'2" x 3'0"	6'0" x 3'0"	6'4" x 2'1"	5'0" x 11'6"	13'5" x 18'0"	3'9" x 3'5"	5'10" x 11'6"
COAMINGS	Height above Deck	36"	36"	18"	36"	15"	18"	18"	18"	15"	15"	18"
	Thickness	7/16"	7/16"	7/16"	7/16"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	Stiffeners	8' x 3 1/2" x 3/8" B.A.	8' x 3 1/2" x 3/8" B.A.	—	8' x 3 1/2" x 3/8" B.A.	8' x 3 1/2" x 3/8" B.A.	—	—	—	—	—	—
	Brackets, Stays	6' x 3 1/2" x 3/8" CHANNEL	6' x 3 1/2" x 3/8" CHANNEL	—	6' x 3 1/2" x 3/8" CHANNEL	6' x 3 1/2" x 3/8" CHANNEL	—	—	—	—	—	—
HATCH BEAMS	Number	5	6	2	6	5	—	—	—	2	—	—
	Spacing and Sketch	4'1 1/2"	4'2"	4'5"	4'2"	4'1 1/2"	—	—	—	4'5"	—	—
FORE AND AFTERS	Number	—	—	—	—	—	—	—	—	—	—	—
	Spacing	—	—	—	—	—	—	—	—	—	—	—
	Unsupported Lengths	—	—	—	—	—	—	—	—	—	—	—
	Scantling* and Sketch	—	—	—	—	—	—	—	—	—	—	—
Bearing Surface	—	—	—	—	—	—	—	—	—	—	—	
HATCH COVERS	Material	O.P.	O.P.	O.P.	O.P.	5/16" STEEL PLATE HINGED	O.P.	O.P.	3/8" STEEL PLATE HINGED	O.P.	O.P.	O.P.
	Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"	COVER WITH 7 BOLTS & NUTS	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
	How fitted	F. & A.	F. & A.	F. & A.	F. & A.	—	THWART	THWART	—	THWART	THWART	THWART
	Bearing Surface	2 1/2"	2 1/2"	2 1/2"	2 1/2"	—	2 1/2"	2 1/2"	—	2 1/2"	2 1/2"	2 1/2"
Spacing of Cleats	2'3"	2'3"	2'0"	2'3"	2'3"	—	20 1/2"	20 1/2"	—	2'0"	2'0"	2'0"
Number of Tarpaulins	3	3	2	3	3	—	1	1	—	3	2	3

*Are wood fore and afters steel shod at all bearing surfaces?
 Are battens and wedges efficient and in good condition? YES
 Are tarpaulins in good condition and in accordance with rule requirements? YES
 Are lashings provided in accordance with rule requirements? YES

NOTE:- 1. W.T. MAN HOLE 18" DIA. ON POOP DECK TO STORE WITH CAST IRON COVER FLUSH WITH DECK.
 1. W.T. MAN HOLE 18" DIA. ON FREEBOARD DECK TO CHAIN LOCKER WITH CAST IRON COVER FLUSH WITH DECK.
 1. MAN HOLE 18" x 15" ON FREEBOARD DECK TO AFTER PEAK.
 1. MAN HOLE 18" x 15" ON FORWARD WELL OF FREEBOARD DECK TO TWEEN DECK
 1. MAN HOLE 18" x 15" ON AFTER WELL OF FREEBOARD DECK TO TWEEN DECK.

Particulars of any special features:—

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.

10' ABOVE DECK FROM FORECASTLE BULKHEAD	11'0" - 4'8" - 7'5" FROM POOP BULKHEAD	4'0" x 1'9"	4'0" x 1'9"	3'8"	3'8"	10'7"10"	10'7"10"
11'0" - 4'8" - 7'5" FROM POOP BULKHEAD	4'0" x 1'9"	4'0" x 1'9"	3'8"	3'8"	10'7"10"	10'7"10"	10'7"10"