

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

No 27616.

Ship's Name "SCOTTISH CO-OPERATOR"

Port of Survey ROTTERDAM.

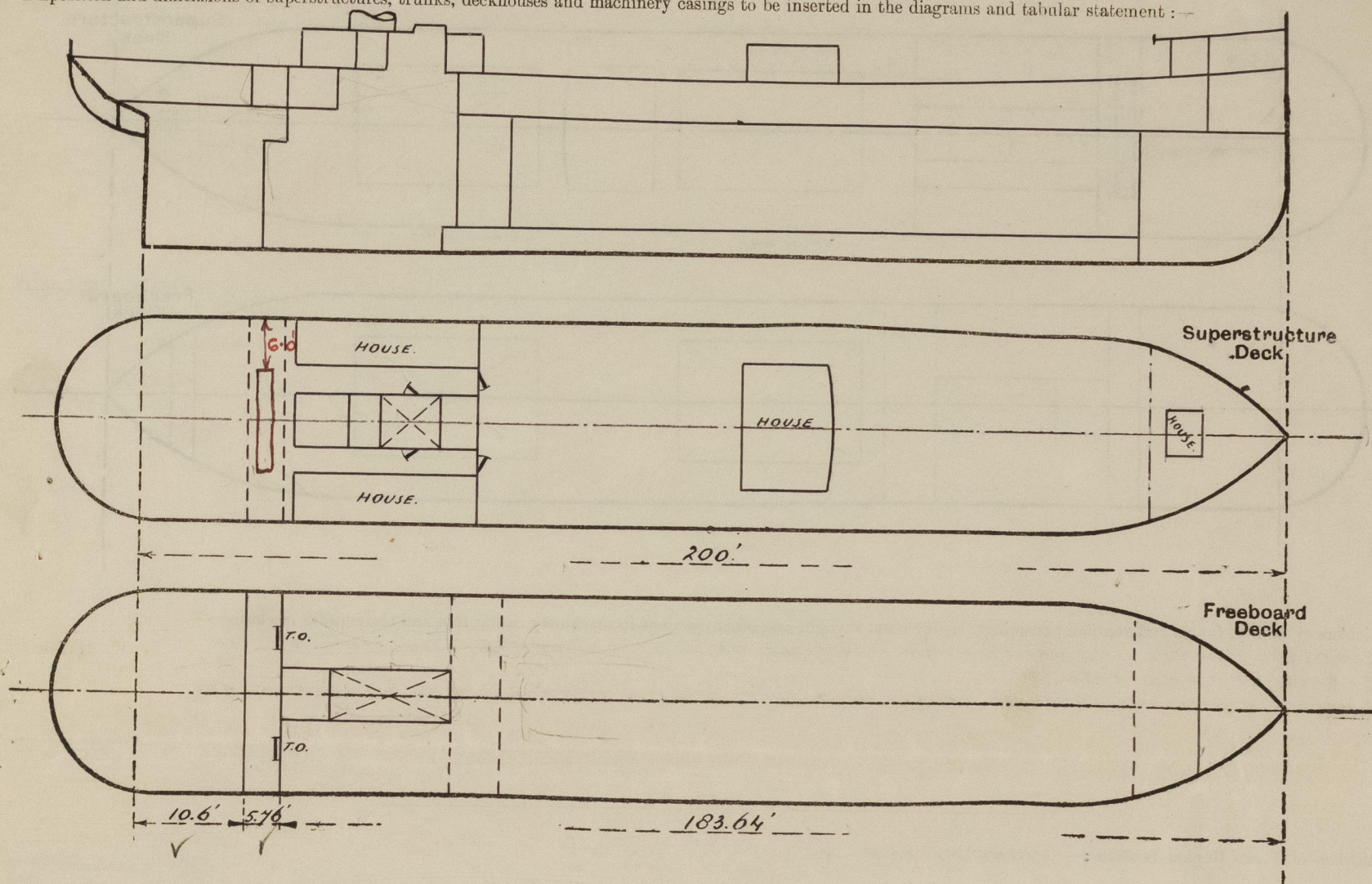
Official Number 167016

Surveyor's Signature *W. L. Looijer*

Nationality and Port of Registry BRITISH;

Date of Survey 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.

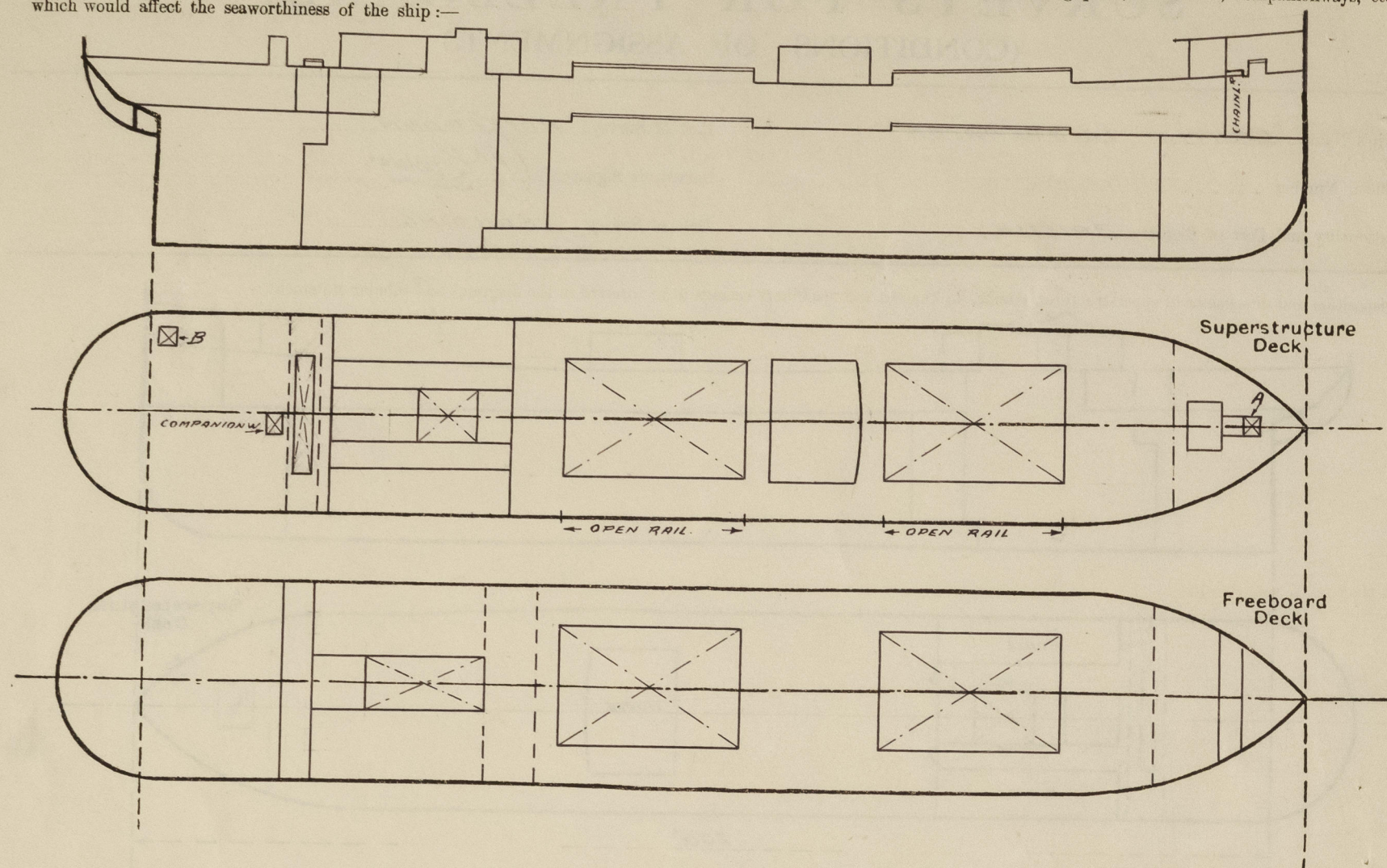
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	.24" ✓	.24"	4 3"x2½"x.32"	30" ✓	NONE	NO OPENINGS	✓	✓
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	.24"	.24"	4 3"x2½"x.32"	30" ✓	NONE	2 x 48¾"x36¾"	20"	✓
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead ...	✓							
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks ...								✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	PROTECTED BY SIDE HOUSES.					52"x25"		✓
Deckhouses on Flush Deck Ships ...	.24" ✓	.24"	4 3"x2½"x.28"	28" ✓	NONE	NO OPENINGS.	20"	✓

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

Poop Bulkhead ...	NO OPENINGS. ✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	PORTABLE STEEL PLATES ON HOOKBOLTS NOT PASSING THROUGH BULKHEAD. ✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ...	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	STRONG TEAK HINGED DOORS OPERATED FROM BOTH SIDES. ✓
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, FUNNEL AND VENTILATOR COAMINGS OF SUBSTANTIAL CONSTRUCTION AND IN EFFICIENT CONDITION.
ENGINE ROOM SKYLIGHT OF STEEL AND FITTED WITH STRONG STEEL HINGED FLAPS.

Particulars of Flush Bunker Scuttles:— NONE FITTED.

Particulars of Companionways:—

ONE STEEL COMPANIONWAY ABAFT TONNAGE HATCHWAY GIVING ACCESS TO POOP SPACE. SILL 24"; OPENING FITTED WITH STEEL HINGED DOOR OPERATED FROM BOTH SIDES.

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

VENTILATORS ON SUPERSTRUCTURE DECK:

6 VENTS TO HOLD & TWEENDECK 36" x 14" φ.
2 " REFRIG. ROOM 36" x 8" φ.
2 " POOP SPACE 36" x 8" φ.

VENTILATOR COAMINGS CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS.
WOOD PLUGS & CANVAS COVERS SUPPLIED.

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

ALL EXPOSED AIR PIPES ON SUPERSTRUCTURE DECK TO DOUBLE BOTTOM TANKS AND AFTER PEAK TANK 25"-33" IN HEIGHT.
WOOD PLUGS PROVIDED FOR ALL GOOSENECK AIR PIPES.
AIR PIPES TO OIL FUEL TANKS FITTED WITH PATENT CAPS & WIRE GAUZE.

Particulars of Gangway Cargo and Coaling Ports:— NONE FITTED.

Particulars of Scuppers and Sanitary Discharge Pipes:—

SCUPPERS FROM TWEENDECK SPACE, DRAINING INTO BILGES, FITTED WITH SCREW DOWN VALVES CONTROLLED FROM SUPERSTRUCTURE DECK. VALVES PROTECTED BY STRUM BOXES.
ONE 5" NON-RETURN VALVE (CAST STEEL) CONTROLLED FROM SUPERSTRUCTURE DECK FITTED ON EACH SIDE IN TONNAGE WELL.
ALL SANITARY DISCHARGE PIPES (FROM SPACES ABOVE SUPERSTRUCTURE DECK) FITTED WITH STORM VALVE AT SHIP'S SIDES.

Particulars of Side Scuttles:—

SIDE SCUTTLES IN POOP SPACE ONLY, EFFICIENTLY CONSTRUCTED AND FITTED WITH STRONG HINGED DEADLIGHTS.

Vertical distance of Sill of lowest Side Scuttle above top of keel AFT 18' 3"

Particulars of Guard Rails:—

ON FORECASTLE: OPEN RAIL, 40" IN HEIGHT; STANCHIONS 40"-48" APART AND RIVETED TO STRINGER PLATE; 3 RODS.

ON SUPERSTRUCTURE DECK: STEEL BULWARK 39" HIGH, EFFICIENTLY STAYED.
ABREAST HATCHWAYS OPEN RAIL 40" IN HEIGHT, STANCHIONS 4'-6" APART AND RIVETED TO DECK; 3 RODS.

Particulars of Gangways, Lifelines, etc.:—

PROVISION MADE FOR RIGGING LIFELINES BETWEEN MIDSHIP DECKHOUSE, DECKHOUSE AFT AND FORECASTLE.

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 ...	18.3'	40"	34" x 8"	2	4.11 ft. ²	4.16 ✓
ABREAST SIDE HOUSES						
Forward Well ...	122.8'	40"	65' OPEN RAIL.			✓
FORWARD SIDE HOUSES						

State position of each freeing port ... { After Well:—
(F. and A. position and height above deck edge) { Forward Well:— SEE SKETCH FOR POSITION.
UPPER EDGE OF SHEER STRAKE 9" ABOVE DECK.

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— NO.

Additional area where sheer is less than standard. ▼

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.											
Description of Hatchway		FREEB. DECK.		SUPERSTR. DECK.		TONN. HATCH	"A"	"B"			
		Nº1	Nº2	Nº1	Nº2						
Dimensions of Hatchway		32'6" x 15'0"	32'6" x 15'0"	32'6" x 15'0"	32'6" x 15'0"	4'0 1/2" x 15'0"	43" x 39"	19 1/2" x 22"			
COAMINGS	Height above Deck ...	9"		38"		12"	24"	9"			
	Thickness { Sides ...	.40"		.44"		.44"	.40"	.40"			
		Ends40"		.44"		.44"	.40"	.40"		
	Stiffeners ...			28" x 3" x .40"							
	Brackets, Stays ...			FL. PLATES.							
HATCH BEAMS	Number ...	6									
	Spacing ...	4.64'									
	Scantling and Sketch ...		AS FOR Nº1. ✓	AS ON FREEB. DK. ✓	AS FOR Nº1. ✓						
	Bearing Surface ...	3 1/2" ✓									
FORE AND AFTERS	Number ...										
	Spacing ...										
	Unsupported Lengths ...										
	Scantling* and Sketch ...										
	Bearing Surface ...										
HATCH COVERS	Material ...	PINE		PINE		PINE	PINE	W. T.			
	Thickness ...	2 1/2" ✓		2 1/2" ✓		2 1/2"	2 1/2"	STEEL			
	How fitted ...	F & A		F & A.		F & A.	F & A	COVER.			
	Bearing Surface ...	2 1/2" ✓		2 1/2" ✓		2 1/2"	2 1/2"	ON			
Spacing of Cleats ...		21"-22 1/2"		21"-22 1/2"			13"-16"	TOLLIES.			
Number of Tarpaulins ...		1		2. ✓			1 ✓				
<p>*Are wood fore and afters steel shod at all bearing surfaces? ▼</p> <p>Are battens and wedges efficient and in good condition? YES. ✓</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? YES. ✓</p> <p>Are lashings provided in accordance with rule requirements? YES. ✓</p>											

Particulars of any special features:— HATCH BEAMS T & B PATENT.
WOOD COVERS ON WHEATHER DECK REINFORCED WITH "COCKS" OPEN TYPE SHOES.

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.

