

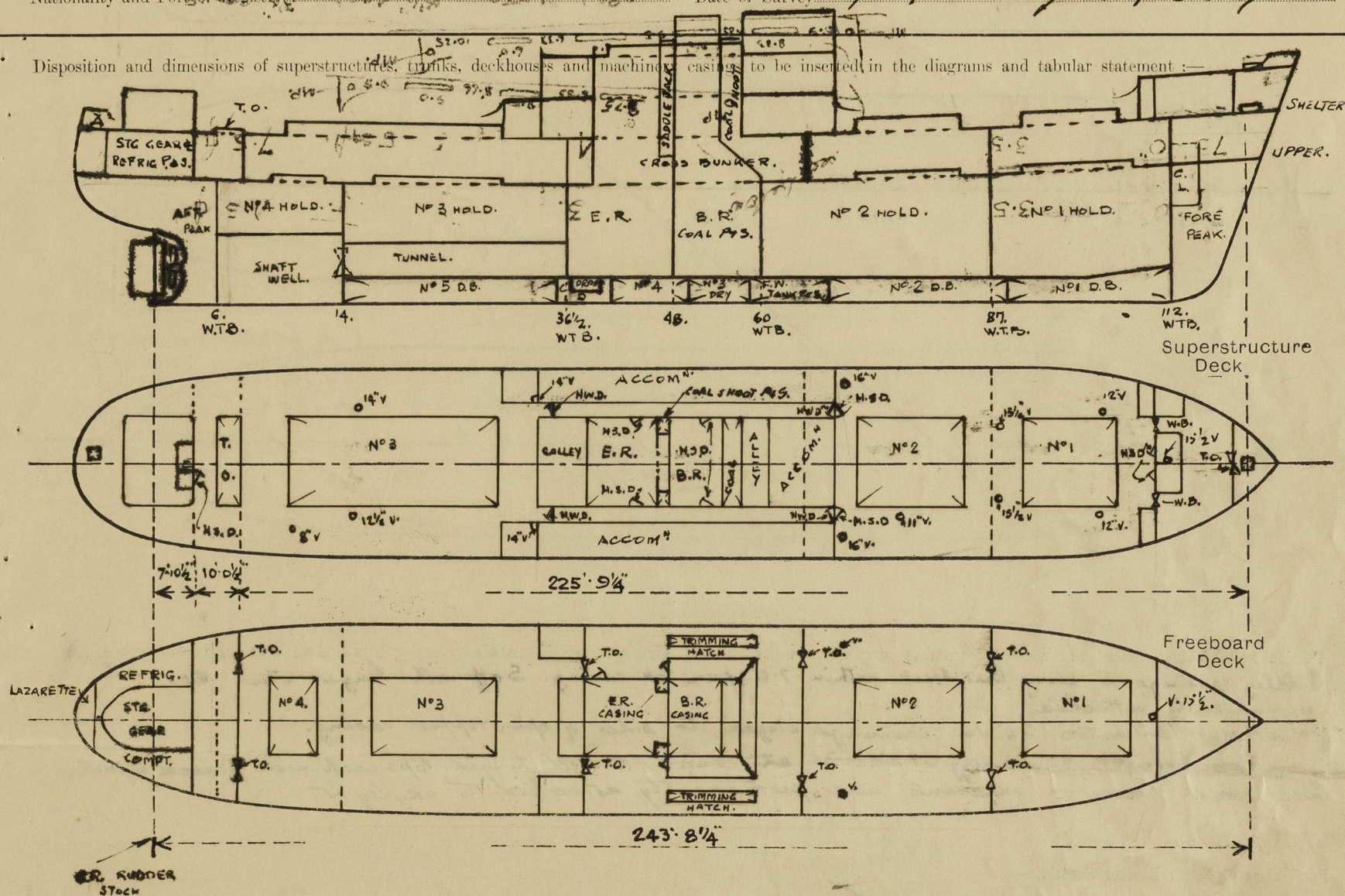
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name **RHINELAND** EX SCHWAN EX WELTON WOLD.Port of Survey **GRANGEMOUTH.**Official Number **182698**Surveyor's Signature **R. Z. Hunter.**Nationality and Port of Registry **BRITISH, LEITH.**Date of Survey **Sept. 1948 - Aug. 1949. During Conversion.**

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:



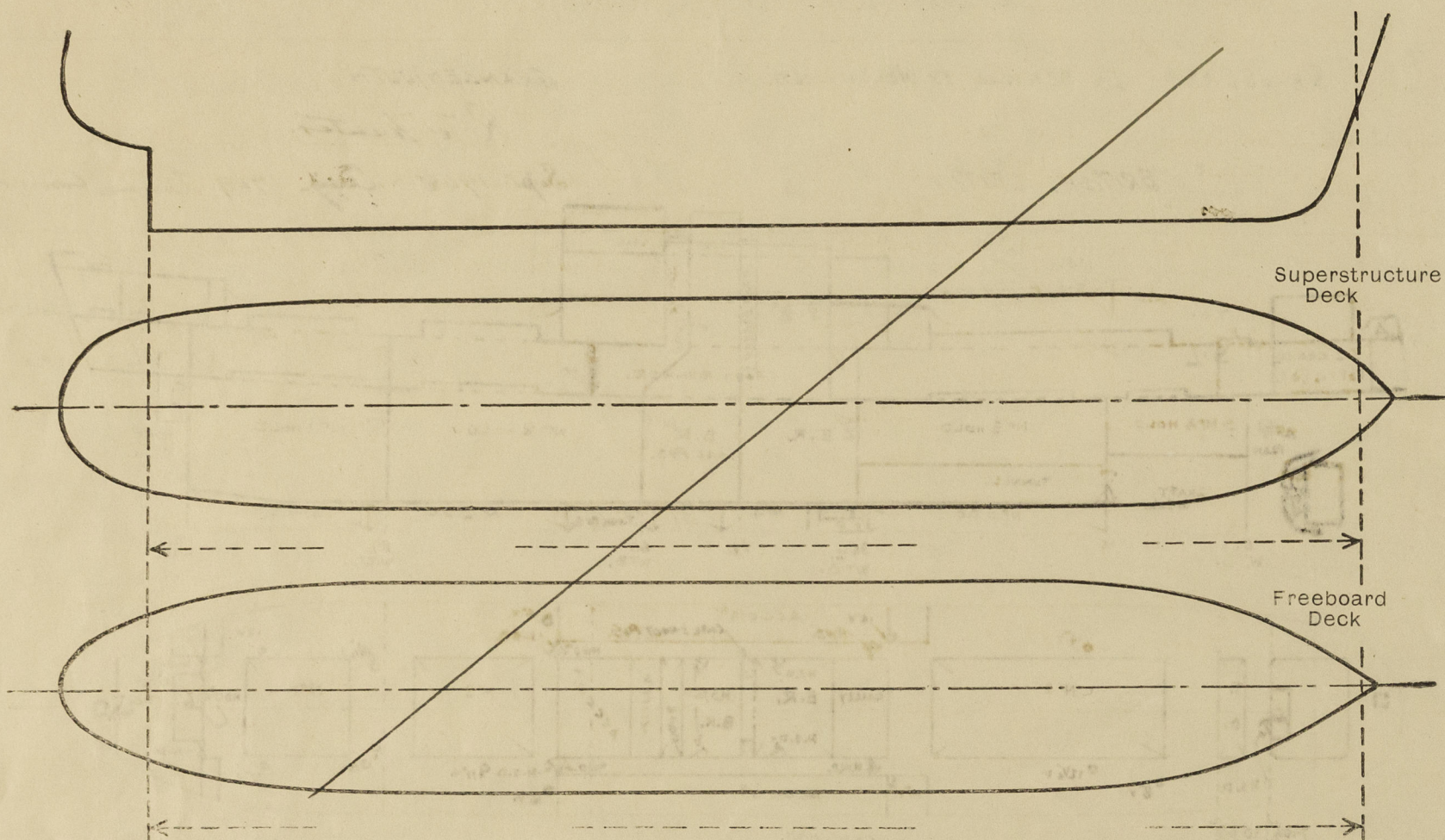
Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	30	30	4" x 25 B.P.	30"	WELDED.	2 @ 5'3" x 2'0"	18"	8'6"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	30	30	3" x 3" x 28 GA.	24"	-	2 @ 4'0" x 3'0"	14"	8'6"
Bridge, Forward Bulkhead ...	30	30	4 1/4" x 25 B.P.	27"	WELDED	2 @ 5'4" x 26"	16"	7'3"
Forecastle Bulkhead ...	25	25	4" x 25 B.P.	24"	WELDED	2 @ 5'0" x 36"	15"	7'3"
Trunk, Aft ...	-							
Trunk, Forward ...	-							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	-							
Exposed Machinery Casings on Superstructure Decks ...	38	20	2 1/2" x 25 FLAT	24"	CONTINUOUS.	2 @ 5'0" x 27"	15"	7'3"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	38	20	2 1/2" x 25 FLAT	24"	CONTINUOUS.	2 @ 5'0" x 26"	15"	8'6"
Deckhouses on Flush Deck Ships ...	-							

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

Poop Bulkhead ...	HINGED STEEL DOOR P.S. INSULATED PLUG DOOR BULK. Operated both sides.
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead ...	PORTABLE BOLTED STEEL PLATES. P.S.
Bridge, Forward Bulkhead ...	HINGED STEEL DOOR P.S. Operated both sides.
Forecastle Bulkhead ...	WEATHER BOARDS IN CHANNELS. P.S.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	
Exposed Machinery Casings on Superstructure Decks ...	HINGED STEEL DOORS P.S. operated both sides.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	HINGED STEEL DOORS P.S. operated both sides.
Deckhouses on Flush Deck Ships ...	

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:—



Fiddley coaming 3" above Boat Deck within 7'6" open top casing. 5' off. with hinged steel tops permanently attached.
 2 off Stokhold Ventilators 24" dia coamings stayed to sides of open topped casing.
 Engine Room Skylight. 12' coaming at side 30" at centre. 6 steel hinged tops each side, 2 dead lights each cover. Covers on quadrants, and permanently attached to skylight.

Particulars of Companionways:— To Steering Flat and Refrig. Comp't. Hinged steel door, Rubber jointed, operated both sides. 15" coaming.

6 off T Gallant Fails to Fails Specs. 4 1/2 ea. 36" x 35" welded. ✓
 ✓ 1P. 15. on Shelter Dk. to hoi. 12" dia. 36" x 38" welded. ✓
 1P. 15. " " " " 15 1/2 " 10" 0" x 40" riveted. stayed E knot. ✓
 ✓ 15. " " " " 1P2. 11" 36" x 38" welded. ✓
 ✓ 1P. 15. " " " " 16 " 36" x 56 riveted. ✓
 ✓ 1P. " " " " hoi 3 14" 36" x 38" welded ✓
 ✓ 15. " " " " 12 1/2 " 36" x 38 " ✓
 ✓ 15 " " " " hoi 4 8" 36 38 x 30 " ✓
 ✓ 15. " " " " 8 " 36" x 25" " ✓
 ✓ 15. " " " " hoi 4 8" 36 38 x 30 " ✓
 ✓ 15. " " " " hoi 4 8" 36 38 x 30 " ✓
 1P. 15. " Boat Deck to E.R. 15" 30" x 25" " ✓
 1P. 15. " " " " 24" 36" x 35 " ✓
 1P. 15. on Boat Dk. to hoi 3/14" x 36" x 25" stayed to Bdg. to Boat Deck. ✓
 1P. 15 on Mainship Bridge House to Jason Dk Bunker 1' 8" x 5" x 30" x 36" ✓
 1 1/2 on T Gallant Fails 15 1/2 dia. 36" x 3/8" to lower hole. ✓
 ✓ Ventilator coverings masked ✓
 cloud by wood plugs & canvas covers. ✓

N^o 1 D.B. 1 lb. 3" dia. 30" to opening. ✓
 N^o 1 D.B. 2 lb. 2 3/4 dia 30 " " ✓
 N^o 2 D.B. 2 lb. 2 3/4 dia 30 " " ✓
 N^o 2 D.B. 2 lb. 4" dia. 30" " " ✓
 D.B. F.W. 2 lb. 2 3/4 dia 39 " " ✓
 N^o 3 & 4 D.B. in E.T.D. spaces.
 N^o 5 D.B. 2 lb. 4" dia. 30" to opening ✓
 Off Peak. 1 lb. 2" dia. 30" to opening.

Closing appliances:
Wood Raps & Canvas Covers.

STARBOARD.

1 off. 4" dia. Cast Steel S.V. Ford W.C.
1 off. 4" dia. Brass. S.V. Captains W.C.
1 off. 1½ dia. Brass. S.V. " Scupper.
1 off. 3" dia. Cast Steel S.V. Wash and Scupper.
1 off. 4" dia. Cast Steel S.V. Glyceri W.C.
1 off. 3" dia. Cast Steel S.V. " W.B. & Scupper.
1 off. 4" dia. Brass. S.V. Coarse W.C.
1 off. 1½ dia. Brass S.V. " Scupper.
1 off. 2" dia. Brass. S.V. Refrig. Room.

Shelter been dicks drained to black place
belly by 4-3" dia scupper fitted with reef
closing cover at this lower end
Particulars of Side Structures
1st. port side in Shelter 'Jensen'

1 off. port side in Shelter Tween deck to Eng'g. Store. 10". Cast Steel Frame and Cast Steel deadlight permanently attached. ✓

PORT.

1 off.	5" dia.	Cast Steel	S.V.	Crowns W.C.
1 off.	4" dia.	Cast Steel	S.V.	Scupper & W.B.s.
1 off.	3" dia.	Cast Steel	S.V.	" "
1 off.	4" dia.	Brass.	S.V.	Crowns. W.C.
1 off.	1 1/2" dia	Brass	S.V.	" Scupper.
1 off.	2" dia.	Brass	S.V.	Refrig. Room.

IP. 15. 5" dia Brass S.D. S.V. Controller
from Shelter Deck in Tonnage Wall
Aft. *with indicators to show whether
the valves are open or shut.*


Particulars of Gangways, Lifelines, etc. :—

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	77'-0"	3-5'	<i>see below.</i>	3.	19-0 sq.ft.	7-52 $\frac{1}{2}$
Forward Well	73'-0"	3-5'		4.	20-5 sq.ft.	7-5 $\frac{3}{4}$

State position of each freeing port { After Well :—
(F. and A. position and height above deck edge) { Forward Well :—

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :— **OPEN SLOTS. 8½" deep. 3¼" ABOVE DECK.**

Additional area where sheer is less than standard. — **S.D. Value PES in Tonnage Well etc.**

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PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
SHELTER DECK.										
Description of Hatchway	Nº1	Nº2	Nº3.	LAZARETTE ACCESS.	F.P. SPACE ACCESS.	Nº1	Nº2	Nº3.	Nº4.	TRIMMING HATCHES.
Dimensions of Hatchway	22'4" / 13'1 1/2"	26'5" / 13'8"	34'6 3/4" / 13'9"	21' x 15"	3'0" x 33"	24'4 1/2" / 13'1 1/2"	26'5" / 13'8"	30'6" / 13'9"	6'1" / 13'9"	20'3" / 26"
COAMINGS	Height above Deck	32 1/4"	32 1/4"	34"	8"	9"	10 1/4"	10 1/4"	10 1/4"	10 1/4"
	Thickness	43/45	43/45	40/48	40"	40"	47"	47"	51"	51"
	Stiffeners	7 x 3 x 35	7 x 3 x 35	8 x 3 x 40	-	-	-	-	-	-
	Brackets, Stays	B.P.	5 1/2 x 31	5 1/2 x 31	BRACKETED	-	-	-	-	-
HATCH BEAMS	Number	2	3	4	/	3	3 1/2	4	-	/
	Spacing	7'5"	6'7 3/4"	6'11"	/	6'1"	6'7 3/4"	6'1"	-	/
	Scantling and Sketch	16" x 35" I-beam	15" x 35" I-beam	16" x 40" I-beam	/	16" x 35" I-beam	15" x 35" I-beam	16" x 40" I-beam	-	/
	Bearing Surface	3' x 1"	3' x 1"	3' x 1 1/4"	/	3' x 1 1/4"	3' x 1 1/4"	3' x 1 1/4"	3' x 1"	/
FORE AND AFTERS	Number	/	/	/	/	/	/	/	/	/
	Spacing	/	/	/	/	/	/	/	/	/
	Scantling and Sketch	/	/	/	/	/	/	/	/	/
	Bearing Surface	/	/	/	/	/	/	/	/	/
HATCH COVERS	Material	WHITE PINE	WHITE PINE	WHITE PINE	W.T. STEEL	W. PINE	W. PINE	W. PINE	W. PINE	W. PINE
	Thickness	3"	3"	3"	3"	3"	3"	3"	3"	3"
	How fitted	F&A	F&A	F&A	F&A	F&A	F&A	F&A	F&A	TWART.
	Bearing Surface	3"	3"	3'4"	3"	3"	3"	3'4"	3"	3"
Spacing of Cleats	24"	24"	24"	/	24"	36" 24"	30" 24"	36" 24"	30" 24"	18" 21"
Number of Tarpaulins	2	2	2	/	2	1	1	1	1	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. - Lashing Bars each opening on Shelter Dk.</p>										

Particulars of any special features:-

Tonnage opening in middle line opening aft 13'-9" x 48 3/4" closed by 3" loose covers. Coaming 9" Bell angle. Breath of shelter deck at middle of tonnage opening = 33'25 approx.

Hatch on Forecastle

35" x 35". coaming 5/16" Thick 19" high, 3" wood cover, 2 tarpaulins, cleats spaced 24" apart and efficient latching arrpts.



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