

THE BRITISH CORPORATION REGISTER OF
SHIPPING AND AIRCRAFT

2094

SURVEY FOR FREEBOARD

25/1/44

S.M. "SANNY"
STEAMER, TANKER, SAILER: ~~CHART 23~~

Nationality BRITISH Builders' Name and No. of Ship GOOLE S.B. & REPAIR YALTO

Port of Registry GOOLE Owners GOOLE N° 411.
REDEAR THE BOLAGET SALLY. MARIEHAM.

Official Number 180108 (Master) Messrs C. ROWBOHAM & SONS, LONDON

Gross Tonnage 402.40 Port and Date of survey GOOLE DURING CONSTRUCTION.

Date of Build FEB 1944. Name of Surveyor E. HENDERSON.

Particulars of Classification B.S.* { BULK OIL CARRIER }
SPECIAL SERVICE Names of Sister Ships CHANT N°.

Type of Superstructures POOP AND FORECASTLE

Trade of Ship

Service Endorsement if any

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

TROPICAL FRESH WATER LINE above centre of disc	5"	Corresponding Freeboard	1'-0"
FRESH WATER LINE " " "	2 1/2"	" "	0'-4"
TROPICAL LINE " " "	2 1/2"	" "	0'-9 1/2"
WINTER LINE below " "	2 1/2"	" "	0'-9 1/2"
WINTER NORTH ATLANTIC LINE " " "	4 1/2"	" "	1'-2 1/2"
			1'-4 1/2"

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

DATE OF ISSUE 14-2-44
DATE OF EXPIRY 13-2-49

D.L.

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 2ND FEBRUARY, 1944



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Lloyd's Register
Foundation

Secretary

002184-002193-0196

COMPUTATION OF FREEBOARD

Length on summer load line $141'-0"$ Moulded Breadth $27'-0"$ Moulded Depth $11'-0"$ Depth of Keel $1\frac{1}{2}"$
 Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 725 Tons @ $9'-4\frac{1}{16}"$
 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 798 TONS. 8.03 TONS/IN @ $10\frac{1}{2}"$
 Moulded depth $11'-0.00$ Deduction for Fresh Water $\frac{\Delta}{40 T} =$ inches
 Stringer Plate -0.31 Round of Beam Correction
 Sheathing on exposed deck T $\left(\frac{L-S}{L}\right) =$ inches
 Rise of floor (in sailers) $-$ Standard Round of Beam $\frac{B \times 12}{50} = 6.48$
 Depth for Freeboard (D) $11'-0.31$ Difference 6.48
 Table Depth $1\frac{1}{15}$ 9.40 Restricted to
 Depth Correction $1\frac{1}{130}$ 1.631 Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L}\right) = 1.62 \times 2242 = 3665 \text{ ON.}$
 If restricted by superstructures $= 1.769 \text{ ON.}$

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	37'-6 $\frac{3}{4}$ "	-	7'-0"	41.26	-	41.26
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle	13'-8 $\frac{1}{16}$ "	1'-10"	8'-0"	15.63	-	14.82
Trunk Aft	21'-9"		7'-0"	18'-3.55"	$\frac{1}{27} \times 27$	14.50
" Forward	41'-2"		3'-4"	27'-6"	$\frac{27}{27} \times 6$	15.25
Tonnage Opening Aft	18'-10"		3'-4"	14'-71.33"	$\frac{27}{27} \times 6$	5.70
" Forward						
Totals				56.89		

$\frac{14.50}{52.20} \times \frac{52.20}{109.09} \times \frac{S}{L} = 77.38\%$

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.				1	
$\frac{1}{2}$ L from A.P.				4	
$\frac{1}{2}$ L from A.P.				2	
Amidships				4	
$\frac{1}{2}$ L from F.P.				2	
$\frac{1}{2}$ L " "				4	
F.P.				1	
				18	

Effective Mean Sheer $= 0.00$
 Standard " " $\cdot 05L + 5 = 12.05$
 Difference 12.05

Mean Actual sheer aft $= \text{LESS THAN } 1$

Mean Actual sheer forward $= \text{LESS THAN } 1$

Length of enclosed superstructure forward of amidships
 Length of Ship

Length of enclosed superstructure aft of amidships
 Length of Ship

Sheer Correction $= \text{Difference} \times \left(75 - \frac{S}{2L}\right) = 12.05 \times 54.83 = 6.608 \text{ ON.}$

If limited on account of midship superstructure $=$
 " to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. $=$

TABULAR FREEBOARD corrected for flush deck if required $= 14.33$

Correction for co-efficient $= \frac{1.393}{1.36} = 1.468$ DRAUGHTS AND SEASONAL CORRECTIONS

	+	-		Summer Tanker, Summer	Timber
Depth correction	1.77	-			
Deduction for superstructures	-	11.54			
Sheer correction	6.61	+			
Round of Beam correction	.37	+			
Correction for thickness of deck amidships	-	-			
Other corrections, scantlings, etc.	-	-			
	8.75	11.54	-2.79		
Summer Freeboard in inches	12	=	11.89		
Additional allowance for superstructures on Timber carrying ships	=				
Summer Timber Freeboard in inches	=				

Depth to Freeboard Deck in feet 11.031
 Summer Freeboard in feet 1.000
 Moulded Draught (d) $10'-0\frac{3}{8}"$ 10.031 (d1)
 Addition for Keel $.042$
 Extreme draught $10'-0\frac{7}{8}"$ 10.073
 Deduction for Tropical and addition for Winter freeboard $d/4 = 2.5$ ins.
 Addition for Winter North Atlantic (if required) -4.5 ins.
 Deduction for Tropical Timber Freeboard $\frac{d}{4} =$ ins.
 Addition for Winter " " $\frac{d}{3} =$ ins.
 " " N.A. Timber Freeboard (if required) $=$ ins.

Form LL. 4.D.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

CONDITIONS OF ASSIGNMENT

SHIPS NAME "CHANT 23"

OFFICIAL NUMBER 180108

Nationality and Port of Registry BRITISH, GOOLE.

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		5/16	5" x 5/16"	2'-3"	WELDED	2 @ 10" DIA.	5'-1"	7'-0"
R.Q.D. "								
Bridge Aft Bulkhead								
" Forward "								
Forecastle Bulkhead		5/16	3" x 3" x 1/2"	2'-0"-2'-6"	WELDED	2 @ 4'-11" x 1'-10"	1'-3"	8'-0"
Trunk, Aft	5/16	1/2"	4" x 5/16" 3/2" x 5/16"	1'-8"-1'-10"	"	-	-	7'-0"
" Forward			4" x 5/16"	1'-8"	"	-	-	3'-6"
Exposed Machinery Casings on Freeboard or R.Q. Decks								
Exposed Machinery Casings on superstructure decks	5/16	1/2"	4" x 5/16"	1'-9"	WELDED AT TOP BENTS AT BOTTOM	-	-	8'-3"-8'-5"
Machinery Casings within Superstructures not fitted with Cl. 1 closing appliances								
Deckhouses on flush deck ships								

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

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

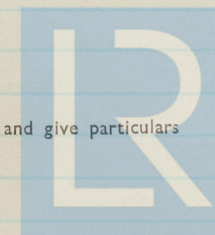
PARTICULARS OF FREEING ARRANGEMENTS

	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well	SEE SKETCH				
Forward Well					

State fore and aft position and height above deck to bottom of port, for each port
 After Well
 Forward Well

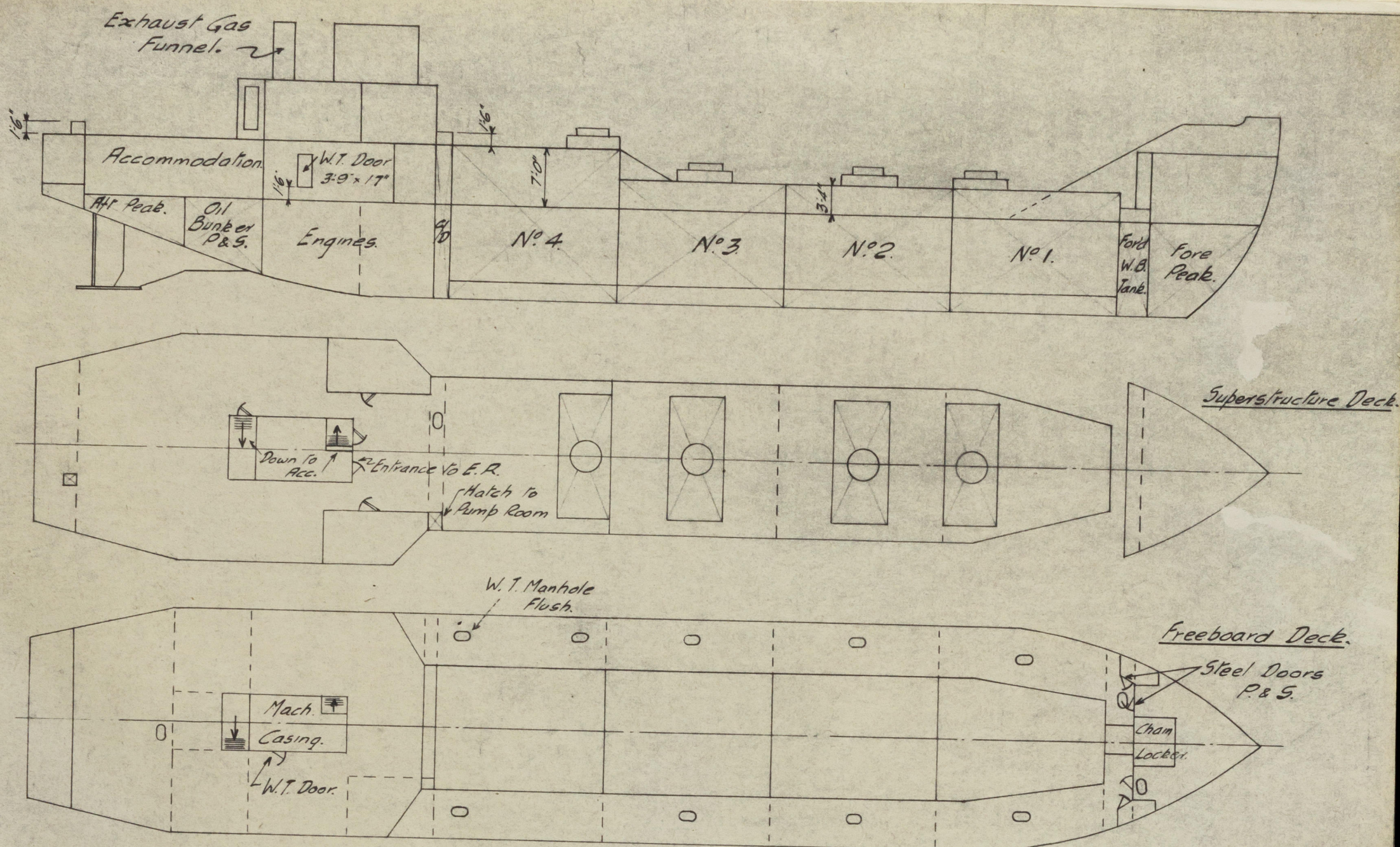
State whether freeing ports are fitted with shutters, bars or rails, and give particulars

Give particulars of freeing port area, etc., on superstructure decks



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PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	UPPER DECK			POOP DECK			HATCH TO AFT STORE
	CARGO HATCHES No. 1, 2, 3.	OIL TIGHT HATCHES Nos. 1, 2, 3.	SMALL O.T. HATCHES Nos. 1, 2, 3.	CARGO HATCH No. 4.	OIL TIGHT HATCH No. 4.	SMALL O.T. HATCH No. 4.	
Dimensions of Hatchway	15'-0" x 6'-7 3/4"	5'-0" x 6'-7 3/4"	4'-0" DIA.	15'-0" x 6'-7 3/4"	15'-0" x 6'-7 3/4"	4'-0" DIA.	2'-0" x 1'-10"
COAMINGS	Height above deck	6'-10"	5'-8"	6'-10"	6'-10"	10" COAM.	1'-6" COAM.
	Thickness	5/16"	5/16"	5/16"	5/16"	3/4"	5/16"
Stiffeners	6" x 3" x 5/16" O.A.	6" x 3" x 5/16" O.A.	3/4"	6" x 3" x 5/16" O.A.	6" x 3" x 5/16" O.A.	1/4"	5/16"
Brackets or Stays	4" x 5/16"	4" x 5/16"		4" x 5/16"	4" x 5/16"		
HATCH BEAMS	Number						
	Spacing						
FORE AND AFTERS	Bearing Surface and thickness of carriers or sockets						
	Number						
HATCH COVERS	Material	WOOD	STEEL	WOOD	STEEL	STEEL	WOOD
	Thickness	2 5/8"	1/4" WITH 4" x 5/16"	2 5/8"	1/4" WITH 4" x 5/16"	3/8"	2 5/8"
How Fitted	F & A.	AT STIFFENERS AT 2'-6" CRS. WITH HEMP PACKING	WITH HEMP PACKING	F & A.	AT STIFFENERS AT 2'-6" CRS. WITH HEMP PACKING	WITH HEMP PACKING	F & A.
Bearing Surface	3"			3"			2"
Spacing of Cleats	24"	COVER SECURED BY BOLTS AT 12" CRS.	COVER SECURED BY 8 DOGS	24"	COVER SECURED BY BOLTS AT 12" CRS.	COVER SECURED BY 8 DOGS	2 EACH SIDE.
Number of Tarpaulins	2			2		LOCK	2

Are tarpaulins in good condition and in accordance with rule requirements? Yes.

Are lashings provided in accordance with rule requirements? Yes - 2 1/2" HEMP.

Are wood fore and afters steel shod at all bearing surfaces? NONE FITTED

Are battens and wedges efficient and in good condition? Yes.

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