

State if Report is sent on the Machinery of the Vessel..... Yes.

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure with tonnage opening State Type of Erections Sunk forecastle

Depth 4.52 Draught Moulded 5458 Building, afloat and in Dry Dock.

## (MADE IN ENGLAND.)



## PILLARS AND DECKS.

	INCHES IN SHIP. m/m	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. m/m	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows</b> .....	One row		Stringer Plate, breadth and thickness in way of Bridge .....	-	
„ in 'tween Decks, Size and Spacing .....	Widely spaced as per appro- ved plan ✓		Thickness of Plating abreast Deck openings in way of Bridge .....	8,0 ✓	
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge .....	-	
„ in Holds „ „ „	Middle line		Thickness of Plating within line of openings...	7,5 ✓	
„ „ „ „ „	bulkhead ✓		If Sheathed, material and thickness .....	-	
<b>Centre Line Bulkhead.</b>	1230		<b>Third Deck.</b>	-	
Stiffeners and Spacing .....	120		Stringer Plate, breadth and thickness .....	-	
Plating, thickness of .....	7,5 ✓		If Plated, state thickness .....	-	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>	-	
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness .....	-	
Stringer Plate, breadth and thickness in way of Bridge .....	1900 x 9,5 ✓	see plan	If Plated, state thickness .....	-	
„ „ „ „ in way of Bridge .....	450		<b>Poop Deck.</b>	-	
„ Angle in Wells .....	welded ✓		Stringer Plate, breadth and thickness .....	-	
Thickness of Plating abreast Deck openings in way of Wells .....	8,5 ✓		Plating, Sheathing, material and thickness ...	-	
Thickness of Plating abreast Deck openings in way of Bridge .....	-		<b>Bridge Deck.</b>	-	
Thickness of Plating within line of openings...	7,5 ✓		Stringer Plate, breadth and thickness .....	-	
If Sheathed, material and thickness .....	-		Plating, Sheathing, material and thickness ...	-	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>	8,5 ✓	
Stringer Plate, breadth and thickness in way of Bridge .....	8,0 Transverse ✓		Stringer Plate, breadth and thickness .....	8,0 ✓	
			Plating, Sheathing, material and thickness...		

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	No. ✓		No. of Rows of Rivets.	Rivets.		Strapped or Lapped.
	Breadth.	Thickness.	Thickness.	Thickness.			Single or Double.	Diam.		Spacing cr. to cr.	Diam.	
Flat Plate Keel.....	1160	13.5	12.5	12.5		Welded	V	60°	Welded ✓	V	60°	
„ Dblg. (if any)	-	-	-	-								
Bottom Plating, No. of Strakes }	12	11.5	14	10.5		A-strake welded ✓			"	"	"	
Bilge Plating, No. of Strakes }	1	11.5	17.5	11		B- "double 1971.3 ✓			"	"	"	
Side Plating, No. of Strakes }	2	11.5	17.5	10		Double ✓	"	"	"	"	"	
Upper Deck, Sheer- strake in Wells.....	1950	12	10	10		" ✓	"	"	"	"	"	
Upper Deck, Sheer- strake in Bridge ...	-					Welded to bulwark	V	60°	"	"	"	
Strake below Sheer- strake in Wells.....	1950	11.5	10	10		Single	19	71.3				
Strake below Sheer- strake in Bridge ...	-					Single	19	71.3				
Poop Side Plating.....	-											
Bridge Side Plating.....	-											
Forecastle Side Plating			8.5			Welded	V	60°	Welded	V	60°	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	4	✓
Extending to Upper Deck (Sec. 3 c).....	1	✓
„ Deck next below.....	3	✓
As per Rule.....	4	✓

**FORGINGS AND CASTINGS.**

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	upper part	Plate 12-20 m/m		
STEM	lower part	150x75mm	Kohlsva	Jernvorge
STERN FRAME	Propeller Post	As per	"	"
	Rudder	cast appr. plan		
Speed of Vessel		12½ knots		
RUDDER—Type		Streamline		
" A × D.	x 100	520 M <sup>3</sup>		
" Diam. of head		205 m/m		
" Mainpiece at top pintle		310x100mm.		
" " heel		310x100mm.		
" how constructed		As per approved plan.		
" double or single plate		Double 9 m/m		
" coupling, vertical or horizontal		Horizontal		

# STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).....  
Messrs. Domnarfvets Jernverk, Degerfors Jernverks A/B, Gute Hoffnungs Hütte.  
Open Hearth Process. ✓  
 Has the Steel been tested as required by the Rules? Yes. ✓







GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

Sister ship:- s.s. "BIFROST". Number of report:- 6036.

As built plans now forwarded:- Midship section. Longitudinal section and Plans, Shell expansion.

Approved plans now forwarded:- Midship section, Longitudinal section and Plans, Shell expansion, Welding sequence, Rudder and Sternpost, Stem, Steering gear (3 plans), Engine Seating (2 plans).

Forging and Casting reports in respect of stem, rudder head, stern frame, rudder frame and copy of Interim Certificate now forwarded.

Particulars of Swedish tonnages:- Gross:- 1578,27  
Under deck:- 1122,47  
Net:- 989,67

PARTICULARS OF ELECTRIC WELDING (if employed) Butts and Seams of bottom shell, Butts of side shell, Butts and Seams of Decks and Tank top. Margin plate to shell, floors and frame brackets. Internal structure of double bottom. Side frames to shell in machinery space and bunkers. Engine seatings and rudder.

SPECIAL NOTATIONS:- Either as part of the vessel's class or for record in the Register Book Strengthened for navigation in ice. Cruiser stern. Wireless, Direction finding apparatus. Part electrically welded.

Particulars of Drop Test of Cast Steel Anchors, viz.:-  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.  
1st Bower Head 27:2:7 cwt. NS 3120 2.8.44. Shank 12:0:23 cwt. NS 3122 2.8.44.  
2nd " 26:2:26 cwt. NS 3121 2.8.44. " 12:0:5 cwt. NS 3123 2.8.44.  
3rd " 23:0:26 cwt. NS 3142 26.9.44. " 10:1:27 cwt. NS 3099 13.6.44.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge 38' ft., Forecastle — ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 8812 Signal Letters SKVT Extreme Breadth over Belting — Over-all Length 89,028 m.  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks Shelterdeck, steel and main deck, steel.

Parts of Bottom of Vessel coated with cement or approved composition All cofferdams coated with cement.

Dry tank under boilers cemented. see letter 14.1.47.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)  
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	21,78	96,4	Fore peak tank,		36,3
Double bottom, under Engines and Boilers,	14,52	119,8	After peak tank,		74,8
Double bottom, if under Engines only,	—	—	Deep tank, aft,		—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,		—
Double bottom, forward,	34,32	188,4	Other tanks, if fitted,		—
Total length (if continuous) and Capacity	70,62	404,6	(If necessary furnish further information by sketch.)		—

Order for Special Survey No. 13

Date 7/3-45.

Dates of Surveys held while building

1944:- 19/7, 15/9, 4/10, 8/11, 5,6,8/12; 1945:- 15 & 19/1, 2/2, 13 & 27/8, 10 & 24/9, 19/10, 5,16,17,21,30/11, 5,19,21/12.  
1946:- 2,7,10,11,18,19,22,25/1, 4,12,15,25,27,28/2, 1,5,9,11,12,20,30/3, 3 & 6/4, 18/5, 12,27,29/6, 1,2,6,27/7, 9,22,26/8, 6,9,20,30/9,2,8,17,26, 28,30/10, 4,5,7,9,14/11.

Total No. of Visits 72