

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London *MAN* 19 OCT 1922

State if Report is also sent on the Machinery of the Vessel *yes*

Date of completion of report *3rd October 1922* Port of *Wharfedale*
Survey held at *Sölvborg* Date, First Survey *8th October, 1918* Last Survey *17th September 1922*

On the (State if Single, Twin, or Triple Screw)

Single Screw Steamer "PAN" Rig *Fore and aft (2 mst)*

TONNAGE under

CLASS *100A1*

FEET.

Master

Year of appointment

(1) As Master in service of owner of present vessel: 19
(2) As Master of this vessel: 19

Do. between Tonnage Dk. and 3rd and 4th Dk.

1153-60

Breadth (greatest moulded) *36-5*

36-5

Built at *Sölvborg*

When built *1922*

Launched *19th Dec 1921*

Total under Upper Dk.

50-41

Depth at middle of length from top of keel to top of upper deck beams at side *18-5*

18-5

By whom built *Sölvborgs Varvs & Rederi AB*

Owners *A/S S/S Pan*

Manager *August Kierland*

Residence *Bergen*

Port belonging to *Bergen*

Do. of Poop

81-41

Transverse Number *55-0*

55-0

Do. of R.Q.Dk.

27-79

Length on deck from fore part of stem to after part of stern post *240-00*

240-00

Do. of Houses on Dk.

1313-21

Longitudinal Number *13200*

13200

Do. of excess of Hatchways

99-22

Depth "d," at middle of length (See Secs. 2 & 13) *15-66*

15-66

Do. above Crown of Engine Room

28-54

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *12-97*

12-97

Gross Tonnage

222-70

Less Crew Space

6-49

Less above Crown of Engine Room

28-54

Register Tonnage as cut on Beam *956-26*

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock *yes*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
<i>240</i>	<i>0</i>		<i>36</i>	<i>6</i>		<i>16</i>	<i>6</i>		<i>One</i>	<i>One</i>

Dimensions of Ship per Register, Length *241-51* breadth *36-67* depth *16-14* Moulded depth, ft. *25* ins. *6* To Bridge Dk. Round of Upper Dk. Beam, Actual *10* ins. Moulded depth, ft. *18* ins. *6* To Upper Dk.

FRAMING.						PILLARS.					
Inches in Ship.						Inches in Ship.					
NAME, Angle, Bars amidships						PILLARS In 'tween Deck, size and spacing					
Do. in peaks						" Hold at hatch ends					
Do. in way of Double Bottoms at Solid Floors						" Quarter 'tween Dks.,					
" at intermdt. Bkts.						" in Hold					
acing of Frames from centre to centre amidships						KEELSONS & STRINGERS.					
" from 1/2 length to Collision bulkhead						CENTRE LINE KEELSON, Vertical Plate above					
" in peaks						" floors, Through Plate, or Interstitial Plate					
EVERSED FRAME, Angles						" Rider Plate					
Do. in way of Double Bottoms at Solid Floors						" Flat Plate Keel Angles					
" at intermdt. Bkts.						" Horizontal Plates on Floors					
AMING, depth of girder						" Angles or Bulb Angles					
DOORS, depth and thickness of Floor Plate						SIDE KEELSONS, Number					
" at mid-line for 1/2 length amidships						" Angles or Bulb Angles					
" in way of Engine and Boiler Spaces						" Plate above floors, for length					
" thickness at the ends of vessel						" Interstitial Plate, for length					
" depth at 1/2 the half breadth, as per Rule						" Attached to outside Plating with Angle					
" height extended at the Bilges						BILGE KEELSON, Angles					
DOORS in Cell. Double Bottoms						" Interstitial Plate for length					
" state if flanged (top & bottom)						" Attached to outside Plating with Angle					
" Spacing of Solid floors						SIDE STRINGERS, Number					
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.						" Angle					
" Angles, Top						" Interstitial Plate, for full length					
" Bottom						" Attached to outside plating with Angle					
" to Floors						Upper Deck Stringer Plate, br'dth & thickness					
" Brackets at intermdt. frmg., wdth & thknss						" (clear of Bridge)					
DE GIRDERS, number on each side & thickness						" br'dth & thickness					
" state if flanged (top and bottom)						" (in way of Bridge)					
" Angles (top and bottom)						" Angle (clear of Bridge)					
" to Floors						" Tie Plate at sides of Hatchways					
MARGIN PLATE, depth (exclusive of flange)						" Deck, Iron or Steel, for full lng.					
" and thickness						" Thickness (clear of Bridge)					
" Angle to Outside Plating						" (in way of Bridge)					
" Floors						" Wood Deck, Material & thickness					
" Brackets at intermdt. frmg., wdth & thknss						Second Deck Stringer Plate, br'dth & thickness					
" Height of Outside Brackets above at bilge						" Angles on ditto, No.					
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake						" Tie Plates outside Hatchways					
" in Engine and Boiler space						" Deck, Iron or Steel, for lng.					
" Remainder in Holds						" Wood Deck, Material & thickness					
BEAMS, Upper Deck, Single Angle, Bulb						Third Deck Stringer Plate, br'dth & thickness					
" Angle, Plate, Tee Bulb, or Channel						" Angles on ditto, No.					
" In way of Long Bridge						" Tie Plates, outside Hatchways					
" Spacing						" Deck, Material and thickness					
BEAMS, Second Deck, Single Angle, Bulb						Fourth and Fifth Deck Stringer Plate, breadth & thickness					
" Angle, Plate, Tee Bulb, or Channel						" Angles on ditto, No.					
" Spacing						" Tie Plates outside Hatchways					
BEAMS, Third and Fourth Deck, Single Angle, Bulb						" Deck, Material & thickness					
" Angle, Plate, Tee Bulb, or Channel						Poop Deck Stringer Plate, breadth & thickness					
" Angles on upper edge						" Angle on ditto					
" Spacing						" Tie Plates					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Deck, Material and thickness					
" Angles on upper edge						Bridge Deck Stringer Plate, br'dth & thickness					
" Spacing						" Angle on ditto					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Tie Plates					
" Angles on upper edge						" Deck, Material and thickness					
" Spacing						Forecastle Deck Stringer Plate, br'dth & thknss					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Angle on ditto					
" Angles on upper edge						" Tie Plates					
" Spacing						" Deck, Material and thickness					

WEB FRAMES. In Fore Body, No. and spacing. No. of Side Stringers. WEB FRAMES, In E. & B. Space, No. & spacing. BRACKET PLATES to Stringers between Web Frames, depth and thickness. BULKHEADS. W.T. BULKHEADS. COLLISION PARTITION. LONGITUDINAL. FORGINGS or CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. RUDDER-A x D Table 22. Speed. Main-Piece, diameter at head. RUDDER, how constructed. Thickness of Plate or Single Plate. Can the Rudder be unshipped afloat? Manufacturer's name or trade mark of the Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. Has the Steel been tested as required by the Rules?

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. STRAPS. IF LAPPED. THICKNESS OF SHEET PILE. CLEAR OF LONG BRIDGE. DO. OF STRAKE BELOW. DBLG. of Flat Plate Keel. SHEERSTRAKES. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES. RIVETING. BUTTS. STRAPS. IF LAPPED. THICKNESS OF SHEET PILE. CLEAR OF LONG BRIDGE. DO. OF STRAKE BELOW. DBLG. of Flat Plate Keel. SHEERSTRAKES. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES.

Upper Deck Stringer Plate. Second Deck Stringer Plate. FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from. MASTS, SPARS, &c. LOWER MASTS. BOWSPRIT. TOPMASTS, YARDS and Remainder of Spars. RIGGING, Material and Size, Shrouds. Sails.

EQUIPMENT No. 13949. LETTER 7. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Boats. Steering Gear, Steam. Steering Gear, Hand. Pumps, Number. Windlass. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Ceiling in Holds, thickness and material. Cargo Hatchways. State size No. 1 Hatch (Forward). Number of Web Plates, Shifting Beams and Fore and Afters. Bulwarks, height above deck and description. Correspondence. Workmanship. Are the butts of plating planed or otherwise fitted? Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Are the butts of Plating, Stringers, &c., properly shifted and staggered? Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? General Remarks (State quality of workmanship, &c.). Committee's Minute. Character assigned.

GENERAL REMARKS—(continued).

arranged with the owner's representative for this anchor to be placed on board as the 1st bower and the spare bower anchor (marked N^o 326) put ashore at the first convenient opportunity. The anchors are of an approved type. The Bergen Surveyor has been fully informed of the case.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 21.62 ft., R.Q.D. ✓ ft., Bridge 59.42 ft., Forecastle 20.42 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given should appear in the Register Book) 1 Dk (Std) 1 L B.

Official No. ; Signal Letters W.N.Q.V. State if Machinery is fitted aft Amidships
How are the surfaces preserved from oxidation? Inside Red lead and cement Outside Red lead and patent compound

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular.

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	76.66	130	Fore peak tank,		46
Double bottom, under Engines and Boilers,			After peak tank,		40
Double bottom, if under Engines only,	15.33	32	Deep tank, aft,		
Double bottom, if under Boilers only,	17.25	38	Deep tank, forward,		
Double bottom, forward,	95.83	176	Other tanks, if fitted,		
Total capacity of double bottom		376	(If necessary, furnish further information by sketch.)		

The wells are not to be included in the lengths of the tanks. 205.07

State whether the above have been tested as required by the Rules yes.

Order for Special Survey No. 21

Date 28/2/19

No. 2 in builder's yard.

DATES OF SURVEYS held while building

8/10/1918, 24/1, 23/10, 10/12/1919, 4/2, 5/2, 14/2, 19/2, 26/2, 3/3, 28/4, 19/5, 25/8, 2/9, 22/9, 24/11, 1920, 28/1, 18/2, 19/2, 5/4, 8/4, 19/4, 5/10, 16/11, 17/11, 1921, 11/4, 31/5, 27/6, 28/6, 7/7, 8/7, 21/7, 26/7, 27/7, 16/8, 17/8, 13/9, 14/9, 17/9, 1922.

Total No. of Visits 4

Surveyor's Signature

F. R. Palmer

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