

With or Without Disconnected Erections.

STEEL STEAMER.

WED. FEB. 4 - 1920

Received at London Office

Date of completion of report 29.1.20

State if Report is also sent on the Machinery of the Vessel YES

Survey held at ARDROSSAN

Port of GLASGOW
Date, First Survey 2.4.19
Last Survey 22.1.1920

No. 39574

On the (State if Single, Twin, or Triple Screw) SINGLE S.S. "PENTLAND FIRTH"

Rig SCHOONER

TONNAGE under 424.48

CLASS 100 A1

FEET.

Master T. BLACK

Year of appointment

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

Breadth (greatest moulded) 28.00

Depth, at middle of length from top of keel to top of upper deck beams at side 12.50

Built at ARDROSSAN

When built 1920 Launched 26.8.19

By whom built ARDROSSAN D.D. & S.B. CO. LTD

Owners FERRUM S.S. CO. LTD

Managers G.T. GILLIE & CO.

(Where necessary to be entered in Reg. Book)

Residence GLASGOW.

Port belonging to GLASGOW

Gross Tonnage 637.97

Less Crew Space 47.27

Less above Crown of Engine Room 24.69

TONNAGE FOR FEES 566.01

Less Engine Room 252.77

Less Navigation Spaces 42.20

Register Tonnage as cut on Beam 295.73

Destined Voyage COASTING. 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
175 0			28 0			10 7			1
						Second Dk. Beams			No. of Tiers of Beams 1
						Moulded depth, ft. 16 ins. 0			To Bridge Dk. Round of Upper Dk. Beam, Actual 7 ins.
						Moulded depth, ft. 12 ins. 6			To Upper Dk.

Dimensions of Ship per Register, Length 175.40 breadth 28.30 depth 10.15

FRAMING.				PILLARS (SOLID)			
NAME, Angles, or Bars	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	PILLARS In Deck, size and spacing	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved
IN WAY OF WELL DECK.				Hold	2 1/2	4 1/2	2 1/2 4 1/2
IN WAY OF R.Q.D.				Quarter-tween Dk.			BUILT AT AFT END WELL DECK
in peaks	4	3	34	in Hold			BRACKETS FITTED IN LINE
in way of Double Bottoms at Solid Floors	3	3	28				
at intermdt. Bkts.	3 1/2	3 1/2	36				
ing of Frames from centre to centre amidships	22		22				
length to Collision bulkhead	22		22				
in peaks	22		22				
VERSED FRAME, Angles							
in way of Double Bottoms at Solid Floors	3	3	28				
at intermdt. Bkts.	3 1/2	2 1/2	26				
HING, depth of girder	17 1/2		17 1/2				
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	ER 36. BR 42		ER 36. BR 42				
in way of Engine and Boiler Spaces							
thickness at the ends of vessel							
depth at 1/2 the half breadth, as per Rule	FLOORS LEVEL TO SHIP'S SIDE						
height extended at the Bilge							
DOORS in Cell. Double Bottoms	30		28 30				
state if flanged (top & bottom)	NO		NO				
Spacing of Solid floors	44		44				
NTRE GIRDER, in Dbl. bottom, dpth. & thknss.	30		36 30				
Angles, Top	3	3	34				
Bottom	3 1/2	3 1/2	36				
to Floors	3	3	28				
Brackets at intermdt. frmg., wdth & thknss	18		28 18				
DE GIRDERS, number on each side & thickness	ONE		28 ONE				
state if flanged (top and bottom)	NO		NO				
Angles (top and bottom)	3	3	28				
to Floors	2 1/2	2 1/2	28				
RGIN PLATE, depth (exclusive of flange) and thickness	TANK TOP LEVEL						
Angle to Outside Plating	3 1/2	3 1/2	30				
Brackets at intermdt. frmg., wdth & thknss	24		28 24				
Height of Outside Brackets above at bilge	21		21				
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	30		34 30				
in Engine and Boiler space							
Remainder in Holds	30		28 30				
AMS, Upper Deck, Single Angle, Bulb	5	3	35				
Angle, Plate, Tee Bulb, or Channel	5	3	35				
In way of Long Bridge	5	3	35				
Spacing	22		22				
AMS, Second Deck, Single Angle, Bulb							
Angle, Plate, Tee Bulb, or Channel							
Spacing							
AMS, Third and Fourth Deck, Single Angle, Bulb							
Angle, Plate, Tee Bulb, or Channel							
Angles on upper edge							
Spacing							
AMS, Poop Deck, Angle, Bulb, Angle, Plate, Tee Bulb, or Channel							
Angles on upper edge							
Spacing							
AMS, Bridge Deck, Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	5	3	35				
Angles on upper edge							
Spacing	44		44				
BEAMS, Forecastle Deck, Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	7	3	42				
Angles on upper edge	44		44				
Spacing							

KEELSONS & STRINGERS.			
NAME	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved
CENTRE LINE KEELSON, Vertical Plate above Floor Plate	24 1/2		36 24 1/2 36
Horizontal Plates on Floor	3 1/2	3 1/2	36 3 1/2 3 1/2 36
Angles on Bulb Angles	7	3	40 7 3 40
SIDE KEELSONS, Number ONE			30 30
Angles on Bulb Angles	6	3 1/2	44 6 3 1/2 44
Plate above floors, for B.R. length			3 1/2 3 1/2
Intercoastal Plate, for B.R. length			30 30
Attached to outside Plating with Angle	3	3	30 3 3 30
BILGE KEELSON, Angle SINGLE	6	3 1/2	44 6 3 1/2 44
Intercoastal Plate for B.R. length			30 30
Attached to outside Plating with Angle	3	3	30 3 3 30
SIDE STRINGERS, Number			
Angle			
Intercoastal Plate, for			
Attached to outside plating with Angle			
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	59	54	59 54
br'dth & thickness (in way of Bridge)			70 70
Angle (clear of Bridge)	5 x 5 x 48	5 x 5 x 48	
Tie Plate at sides of Hatchways			
Deck, Iron or Steel, for FULL lng.			NO WOOD FITTED.
Thickness (clear of Bridge)			30 30
(in way of Bridge)			
Wood Deck, Material & thickness			
Second Deck Stringer Plate, br'dth & thickness	59	44	59 44
Angle on ditto, No. ONE	3 x 3 x 40	3 x 3 x 40	
Tie Plates outside Hatchways			
Deck, Iron or Steel, for FULL lng.			30 30
Wood Deck, Material & thickness			
Third Deck Stringer Plate, br'dth & thickness			
Angles on ditto, No.			
Tie Plates, outside Hatchways			
Deck, Material and thickness			
Fourth and Fifth Deck Stringer Plate, breadth & thickness			
Angles on ditto, No.			
Tie Plates outside Hatchways			
Deck, Material & thickness			
Poop Deck Stringer Plate, breadth & thickness			
Angle on ditto			
Tie Plates			
Deck, Material and thickness			
Bridge Deck Stringer Plate, br'dth & thickness	54	26	54 26
Angle on ditto	3 x 3 x 26	3 x 3 x 26	
Tie Plates			
Deck, Material and thickness			26 26
Forecastle Deck Stringer Plate, br'dth & th'kns			
Angle on ditto	3 x 3 x 26	3 x 3 x 26	
Tie Plates			
Deck, Material and thickness			30 30

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

W240-0036 (112)

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 4 ft., R.Q.D. 99.5 ft., Bridge 11.00 ft., Forecastle 1.4 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 DECK STEEL
 Official No. 141942; Signal Letters _____ State if Machinery is fitted aft YES
 How are the surfaces preserved from oxidation? Inside CEMENT, BITUMASTIC & PAINT Outside PAINT.

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

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <u>MIDSHIPS NO 2 TANK</u>	<u>42.16</u>	<u>70.00</u>	Fore peak tank,	<u>19.5</u>	<u>4</u>
Double bottom, under Engines and Boilers,			After peak tank,	<u>9.2</u>	<u>2</u>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward, <u>NO 1 TANK</u>	<u>55.00</u>	<u>78.00</u>	Other tanks, if fitted,		
	Total capacity of double bottom	<u>148.00</u>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 97.1 State whether the above have been tested as required by the Rules. YES.

Order for Special Survey No. 5252
 Date 28. 6. 19.
 No. 306 in builder's yard.
 DATES of Surveys held while building
1919. APRIL 2, 16-22 MAY 2. 5. 6. 16-22 23-30. JUNE 2. 16-18. JULY 1-4. AUG 6-7. 11. 13-14. 18-20.
SEPT 10. OCT 9. 13. 1920 JAN 9. 12. 15. 16. 22.
 Surveyor's Signature [Signature]
 Total No. of Visits 1
 Dated 28. 6. 19.