

MON. 22 APR. 1973
Received at London Office

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

Port of Belfast

Date, First Survey 13th October 1917

Last Survey 11th April

191 8

Sing Sing Prison **WAR BITTERN**

Rig on mason's mast

CLASS 100 A

FEET.

Master *N. Rome*

Year of appointment

(1) As Master in service of owner of present vessel:—191
(2) As Master of this vessel:—191

Built at Belfast

When built 1918-4 no Launched 14th Mar 1918

By whom built *Harland & Wolff Ltd*

Owners *The Shipping Controller*

Managers Anchor Line (Henderson Bros) Ltd

(Where necessary to be entered in Reg. Book.)

Residence

Port belonging to *London*

Register Tonnage } *3150.39*
as cut on Beam .. }

Destined Voyage *not known*

If Surveyed while Building, Afloat, ~~or~~ in Dry Dock *Yes*

LENGTH on Deck as per Rule	Feet. 400	Inches. 0	BREADTH — Moulded	Feet. 52	Inches. 0	DEPTH, ACTUAL —Top of Floors to top of Upper Dk. Beams Do. do. do. do. Second Dk. Beams	Feet. 18 19	Inches. 6 6	No. of Decks with flat laid No. of Tiers of Beams	2 2
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Dimensions of Ship per Register, Length 400.4 breadth 52.3 depth 28.45

FRAMING.							PILLARS.						
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.		
FRAME, Angle, or or Bars amidships	10	3 1/2	4 1/2	10	3 1/2	4 1/2	PILLARS, In 'tween Deck, size and spacing	2 1/2	3 1/2	4 1/2	2 1/2	3 1/2	4 1/2
Do. in peaks <i>Bulb Angles</i>	8	3	3 1/2	8	3	3 1/2	" " Hold	5 1/2	6 1/2	7 1/2	5 1/2	6 1/2	7 1/2
Do. in way of Double Bottoms at Solid Floors...	3 1/2	3 1/2	4 0	3 1/2	3 1/2	4 0	" Quarter 'tween Dks., <i>" 1/2 "</i>	<i>one built pillar in Centre of each</i>					
" " <i>Bulb Angles</i> at intermdt. Bkts.	9	3 1/2	4 1/2	9	3 1/2	4 1/2	" " in Hold <i>" 1/2 "</i>						
Spacing of Frames from centre to centre amidships		26			26		KEELSONS & STRINGERS.						
" " <i>from 1/2 length to Collision bulkhead</i>		20			20		CENTRE LINE KEELSON, Vertical plate above floors, Through Plate, or Intercoastal Plate						
" " <i>in peaks..</i>		24			24		" Rider Plate						
REVERSED FRAME, Angles	3 1/2	3 1/2	4 0	3 1/2	3 1/2	4 0	" Flat Plate Keel Angles						
Do. in way of Double Bottoms at Solid Floors...	8	3	3 1/2	8	3	3 1/2	" Horizontal Plates on Floors						
" " <i>Bulb angles</i> at intermdt. Bkts.		10			10		" Angles or Bulb Angles						
FRAMING, depth of girder							SIDE KEELSONS, Number						
FLOORS, depth and thickness of Floor Plate } 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							" Intercoastal Plate, for length						
" " depth at 1/2 the half breadth, as per Rule							" Attached to outside Plating with Angle...						
" " height extended at the Bilge							BIDGE KEELSON, Angles						
FLOORS in Cell. Double Bottoms			4 2			4 2	" Intercoastal Plate for length						
" " state if flanged (top & bottom) <i>no</i>							" Attached to outside Plating with Angle...						
" " Spacing of Solid floors		7 8			7 8		SIDE STRINGERS, Number						
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	4 2		5 0	4 3		5 0	" Angle						
" " Angles; Top	6	6	6 6	6	6	6 6	" Intercoastal Plate, for length						
" " " Bottom	6	6	6 6	6	6	6 6	" Attached to outside plating with Angle						
" " " to Floors	6	6	6 6	6	6	6 6	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	80	76	80	76		
" " Brackets at intermdt. frmg., wdth & thknss	39		4 2	39		4 2	" " " " br'dth & thickness (in way of Bridge)	80	76	80	76		
SIDE GIRDERS, number on each side & thickness	<i>one</i>		4 2	<i>one</i>		4 2	" " " " Angle (clear of Bridge)	6 x 6	5 1/2	6 x 6	5 1/2		
" " state if flanged (top and bottom) <i>flanged on top</i>							" " " " Tie Plates outside Hatchways						
" " Angles (top and bottom)	3 1/2	3 1/2	4 0	3 1/2	3 1/2	4 0	" Deck * <i>Iron</i> Steel, for full lng. <i>76 for 1/2 L sheer hardware</i>						
" " " to Floors	3 1/2	3 1/2	4 0	3 1/2	3 1/2	4 0	" " Thickness (clear of Bridge)						
MARGIN PLATE, depth (exclusive of flange) and thickness	40 1/2		4 8	3 4		4 8	" " (in way of Bridge)						
" " Angle to Outside Plating	3 1/2	3 1/2	5 0	3 1/2	3 1/2	5 0	" Wood Deck. Material & thickness						
" " Floors <i>Simple</i>	6	6	4 2	6	6	4 2	Second Deck Stringer Plate, br'dth & thickness	62	4 4	62	4 4		
" " Brackets at intermdt. frmg., wdth & thknss	39		4 2	39		4 2	" Angles on ditto, No. 2	3 1/2	3 1/2	4 4	3 1/2	3 1/2	4 4
" " Height of Outside Brackets above at bilge		3 8			3 8		" Tie Plates outside Hatchways						
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	6 7 1/2		5 0	4 3		5 0	" Deck * <i>Iron</i> Steel, for full lng. <i>40 outside line of hatchway</i>						
" " " in Engine and Boiler space	50 E		56 B	48 E		56 B	" Wood Deck. Material & thickness						
" " " Remainder in Holds			4 2			4 2	Third Deck Stringer Plate, br'dth & thickness						
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	5 2	9	3 1/2	5 2	" Angles on ditto, No.						
" " <i>in way of Long Bridge Half Dms.</i>	8	3	3 8	8	3	3 8	" Tie Plates, outside Hatchways						
" " Spacing		26			26		" Deck * Material and thickness						
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	3 1/2	5 6	10	3 1/2	5 6	Fourth and Fifth Deck Stringer Plate, breadth & thickness						
" " Spacing		26			26		" " " Angles on ditto, No.						
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							" " " Tie Plates outside Hatchways						
" " Angles on upper edge							" " " Deck. Material & thickness						
" " Spacing							Poop Deck Stringer Plate, breadth & thickness	35	30	35	30		
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	3 8	8	3	3 8	" Angle on ditto	3 1/2	3 1/2	3 4	3 1/2	3 1/2	3 4
" " Angles on upper edge							" Tie Plates						
" " Spacing		26			26		" Deck. Material and thickness <i>25 sheathed with 3" P. Pine</i>						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	5 2	9	3 1/2	5 2	Bridge Deck Stringer Plate, br'dth & thickness	55	5 4	55	5 4		
" " Angles on upper edge <i>Half Beams</i>	8	3	3 8	8	3	3 8	" Angle on ditto	6 x 6	4 8	6 x 6	4 8		
" " Spacing		26			26		" Tie Plates						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	4 6	9	3 1/2	4 6	" Deck. Material and thickness <i>SH</i>						
" " Angles on upper edge							Forecastle Deck Stringer Plate, b'dth & th'kns	25	30	25	30		
" " Spacing		26			26		" Angle on ditto	3 1/2	3 1/2	3 4	3 1/2	3 1/2	3 4
" " " "							" Tie Plates						
" " " "							" Deck. Material and thickness <i>SH</i>						

Lloyd's Reg

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

Form No. 1A. WEB FRAMES, FORGINGS or CASTINGS, PLATING, RIVETING, MASTS, SPARS, &c.

EQUIPMENT No. 34765, LETTER 4, ANCHORS, TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS, CHAIN CABLES, HAWSERS AND WARPS, Correspondence, Workmanship, The amount of Entry Fee, Special Survey Fee, Travelling Expenses, State whether the Vessel has been built under Special Survey, I am of opinion this Vessel should be Classed, With, or without Freeboard, as condition of Class, Committee's Minute, Character assigned.

W71-0249 (2/3)

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 44.2 ft., R.Q.D. _____ ft., Bridge 112.7 ft., Forecastle 39.7 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 as should appear in the Register Book) 2 dks (2H)

Official No. 142369; Signal Letters JSWG

State if Machinery is fitted aft no

How are the surfaces preserved from oxidation? Inside paint + portland cement Outside paint

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,	<u>126</u>	<u>380</u>	Fore peak tank,		<u>122</u>
Double bottom, under Engines and Boilers,	<u>39</u>	<u>151</u>	After peak tank,		<u>161</u>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<u>180</u>	<u>592</u>	Other tanks, if fitted,		
Total capacity of double bottom		<u>1123</u>	(If necessary, furnish further information by sketch.)		

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

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

Order for Special Survey No. 624

Date 27th March 1917

No. 565 in builder's yard.

DATES of Surveys held while building

1917. Oct 13. 18. 19. 23. 26. 30. 31 Nov 1. 3. 5. 6. 10. 13. 15. 22. 24. 29. 30 Dec 7. 10. 31. 1918 Jan 2. 8. 15. Jan 22. 25. 29. 30 Feb 4. 5. 7. 11. 13. 19. 20. 22. 23. 25 Mar 2. 6. 7. 9. 12. 14. 21. 26. 28. Apr 5. 6. 8. 9.

Total No. of Visits 54

Surveyor's Signature

Ed Kendall

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Lloyd's Register Foundation

Belfast

P.S. Max Bittern

1 Ballast Pump 10 $\frac{1}{2}$ " x 14" x 24"
 1 General " 9 $\frac{1}{2}$ " x 7" x 18"
 1 Feed " 9 $\frac{1}{2}$ " x 7" x 18"

1 Propeller, C. S. Solid

1 H. P. piston valve

2 Top end bolts

2 Bottom " "

2 Main bearing "

3 Crank shaft coupling bolts & nuts

3 Tunnel " " "

1 Feed pump suction valve

1 " " discharge "

1 Bilge " suction "

1 " " discharge "

3 Main Feed Check valves

3 Winkles " "

24 Bolts & nuts

6 Cyllinder cover studs & nuts

6 Steam chest " "

12 Junk ring " "

5 Bars round iron

3 " flat iron

Spare fire bars etc.

R. Benning

W71-0248 (3/3)