

90954 pp  
Form No. 19.

CLASS CONTINGENT.

Signal Letters (if any) B. G. K. M.



Official Number. <u>167002</u>	Name of Ship. <u>EMPIRE SPRING</u>	No., Date, and Port of Registry. <u>12/1941. Greenock.</u>
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No., Date, and Port of previous Registry (if any) New Vessel.

Whether British or Foreign Built. <u>British</u>	Whether a Sailing, Steam or Motor Ship; if Steam or Motor Ship, how propelled. <u>Motor Ship, Single Screw</u>	Where Built. <u>Port Glasgow.</u>	When Built. <u>1941</u>	Name and Address of Builders. <u>Lithgows Limited, Port Glasgow.</u>
Number of Decks .. .. .	<u>Two</u>	Length from fore part of stem, to the aft side of the head of the stern post .. .. .	<u>432</u>	<u>2.0</u>
Number of Masts .. .. .	<u>Two</u>	Main breadth to outside of plank .. .. .	<u>56</u>	<u>2.0</u>
Rigged .. .. .	<u>Not</u>	Depth in hold from tonnage deck to ceiling amidships .. .. .	<u>34</u>	<u>3.0</u>
Stem .. .. .	<u>Straight</u>	Depth in hold from upper deck to ceiling amidships, in the case of three decks and upwards .. .. .		
Stern .. .. .	<u>Cruiser</u>	Depth from top of deck at side amidships to bottom of keel .. .. .		
Build .. .. .	<u>Clencher</u>	Round of beam .. .. .	<u>1</u>	<u>0.8</u>
Framework and description of vessel .. .. .	<u>Steel Cargo</u>	Length of engine room, if any .. .. .	<u>49</u>	<u>1.0</u>
Number of Bulkheads .. .. .	<u>Seven Watertight.</u>			

Particulars of Propelling Engines, etc. (if any), and Water Ballast Tanks, as supplied by Builders, Owners or Engine Makers.

No. of sets of Engines.	Description of Engines.	Whether British or Foreign made.	When made.	Name and address of makers.	Reciprocating Engines.		Rotary Engines.	N. H. P. B. H. P. I. H. P. Estimated Speed of Ship.
					No. and Diameter of Cylinders in each set.	Length of Stroke.	No. of Cylinders in each set.	
<u>One</u>	<u>Reciprocating, Direct Acting, Vertical, Internal Combustion.</u>	<u>Engines.</u>	<u>Engines.</u>	<u>Engines.</u>				<u>255</u>
		<u>and</u>	<u>and</u>	<u>and</u>				<u>3300</u>
	<u>Cylindrical</u>	<u>Boilers.</u>	<u>Boilers.</u>	<u>Boilers.</u>	<u>Six</u>	<u>740 m/m</u>	<u>1500 m/m</u>	<u>4075</u>
<u>One</u>	<u>Multitubular. Number .. .. . Two</u>	<u>British</u>	<u>1941</u>	<u>John G. Kincaid &amp; Co. Ltd. Greenock.</u>				<u>12 knots.</u>

Number of Water Ballast Tanks, and their capacity in tons: Eight - 2368 tons.

PARTICULARS OF TONNAGE.

GROSS TONNAGE.		No. of Tons.	DEDUCTIONS ALLOWED.		No. of Tons.
Under Tonnage Deck .. .. .		<u>6487.44</u>	On account of space required for propelling power .. .. .		<u>2222.87</u>
Space or spaces between Decks .. .. .			On account of spaces occupied by Seamen or Apprentices, and appropriated to their use, and kept free from Goods or Stores of every kind, not being the personal property of the Crew .. .. .		<u>364.99</u>
Turret or Trunk .. .. .			These spaces are the following, viz. :-		
Forecastle <u>(Houses In)</u> .. .. .		<u>41.23</u>	<u>Poop and Round Houses.</u>		
Bridge space .. .. .			(Number of seamen or apprentices for whom accommodation is certified <u>46</u> .. .. .)		
Poop or Break .. .. .			Deductions under Section 79 of the Merchant Shipping Act, 1894, and Section 54 of the Merchant Shipping Act, 1906, as follows :-		
Side Houses .. .. .					
Deck Houses .. .. .		<u>273.26</u>			
Chart House .. .. .		<u>7.04</u>			
Spaces for Machinery, and light, and air, under Section 78 (2) of the Merchant Shipping Act, 1894,					
Excess of Hatchways .. .. .		<u>95.22</u>			
		<u>42.27</u>			
Gross Tonnage .. .. .		<u>6946.46</u>	Cubic Metres.	<u>19658.48</u>	
Deductions, as per contra .. .. .		<u>2799.16</u>	Master's Accomdn. <u>23.01</u>		
Register Tonnage .. .. .		<u>4147.30</u>	Chart Space <u>7.04</u>		
			Wireless Space <u>3.84</u>		
			Boatswain's Store <u>46.59</u>		<u>211.30</u>
			Emergency W.T. Space <u>3.31</u>		
			Steering Gear Space <u>32.76</u>		
			Water Ballast Spaces <u>04.75</u>	Total	<u>2799.16</u>

NOTE 1.—The tonnage of the engine room spaces below the upper deck is 807.84 tons, and the tonnage of the total spaces framed in above the upper deck for propelling machinery and for light and air is 95.22 tons.

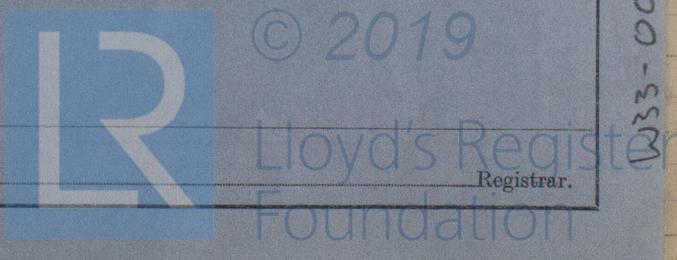
NOTE 2.—The undermentioned spaces above the upper deck are not included in the cubical contents forming the ship's register tonnage :-

<u>Forecastle:-</u>	<u>Part I</u>	<u>L. 9.6</u>	<u>= 6.32 tons;</u>	<u>Part II</u>	<u>L. 2.3</u>	<u>= 1.35 tons;</u>
	<u>Part III</u>	<u>L. 8.1</u>	<u>= 5.70 tons;</u>	<u>Part IV</u>	<u>L. 4.0</u>	<u>= 5.90 tons;</u>
	<u>Part V</u>	<u>L. 8.65</u>	<u>= 8.76 tons;</u>	<u>Part VI</u>	<u>L. 6.8</u>	<u>= 7.27 tons.</u>

Name of Master. Certificate of { Service No. Competency No.

Names, Residence, and Description of the Owners, and Number of Sixty-fourth Shares held by each .. .. . viz.,  
His Majesty represented by the Minister of War Transport, London. Sixty four / 64.  
Manager; Norman P. Donaldson of Messrs Donaldson Brothers and Black, Ltd., 14, St. Vincent Place, Glasgow, G.1.

Dated 12th June, 1941.



1033-0047