

CLASS CONTEMPLATED.

(LLOYD'S REGISTER.)

G.R. 130.  
Lloyd's Register.

VESSELS OF 100 TONS AND UPWARDS.

These particulars are supplied by the Registrar General of Shipping and Seamen for the sole use of Lloyd's Register of British and Foreign Shipping.  
Signal Letters (if any) G.W.N.Y.

Official Number.	Name of Ship.	No., Date, and Port of Registry.
163,410.	Harcalo.	136 in 1933 London.

No., Date, and Port of Previous Registry (if any). -----

Whether British or Foreign Built.	Whether a Sailing, Steam, or Motor Ship, if Steam or Motor Ship how propelled.	Where Built.	When Built.	Name and Address of Builders.
British	Steam Ship: Single Screw.	Port Glasgow.	1933	Lithgows Limited Port Glasgow.
Number of Decks .. .. .	One	Length from fore part of stem, under the bowsprit, to the aft side of the head of the stern post .. . . .	Feet.	Tenths.
Number of Masts .. .. .	Two	Length at quarter of depth from top of weather deck at side amidships to bottom of keel .. . . .	418	.
Rigged .. .. .	Schooner	Main breadth to outside of plank .. . . .	414	6
Stern .. .. .	Cruiser	Depth in hold from tonnage deck to ceiling at midships .. . . .	56	2.5
Build .. .. .	Clinker	Depth in hold from upper deck to ceiling at midships, in the case of three decks and upwards .. . . .	24	6
Galleries .. .. .	None	Depth from top of beam amidships to top of keel .. . . .	--	--
Head .. .. .	None	Depth from top of deck at side amidships to bottom of keel .. . . .	28	4.2
Framework and description of vessel .. .. .	Steel Cargo	Round of beam .. . . .	27	4.2
Number of Bulkheads .. .. .	Seven	Length of engine room, if any .. . . .	1	1.7
Number of water ballast tanks, and their capacity in tons .. . . .	Six in D.B. 1336 Aft Peak 212 Fore Peak 140		46	4

PARTICULARS OF DISPLACEMENT.

Total to quarter the depth from weather deck at side amidships to bottom of keel	9983	Tons.	Ditto per inch immersion at same depth	44.8	Tons.
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PARTICULARS OF PROPELLING ENGINES, &c. (if any).

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. Speed of Ship.
					No. and Diameter of Cylinders in each set.	Length of Stroke.		
One	Direct Acting Vertical Triple Expansion.	Engines. British	Engines. 1933	Engines. David Rowan & Co., Ltd., Boilers. Glasgow.	Three	22 1/2" 36" 65"	48"	444 --- 2000
No. of Shafts.	Particulars of Boilers.							
One	Horizontal Return Tube S.E. Two Main One auxiliary	Boilers. British	Boilers. 1933					11 Knots
	Number .. .. .							
	Iron or Steel .. .. .							
	Loaded Pressure .. .. .							

PARTICULARS OF TONNAGE.

GROSS TONNAGE.		No. of Tons.	DEDUCTIONS ALLOWED.		No. of Tons.
Under Tonnage Deck .. .. .		4529.81	On account of space required for propelling power		1626.07
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		246.17
Turret or Trunk .. .. .			These spaces are the following, viz.:-		
Forecastle (Side Houses on) .. . . .		18.72	Houses in Poop & in Round Houses above Upper Deck.		
Bridge space (Round House in) .. . . .		42.80	(Number of Seamen or Apprentices for whom accommodation is certified, 46 .. . . .)		
Poop or Break .. .. .		105.09	Deductions under Section 79 of the Merchant Shipping Act, 1894, and Section 54 of the Merchant Shipping Act, 1906, as follows:-		
Side Houses .. .. .		322.46	Masters Accommodation 12.34		
Deck Houses .. .. .			Chart Space 5.00		176.14
Chart House .. .. .			Wireless Telegraphy Space 3.43		
Spaces for machinery, and light, and air, under Section 78 (2) of the Merchant Shipping Act, 1894 .. . . .		62.59	Boatswain's Store 50.81		
Excess of Hatchways .. .. .			Water Ballast Spaces 104.56		
			Total .. .. .		2048.38
Gross Tonnage .. .. .		5081.47			
Deductions, as per Contra .. . . .		2048.38			
Register Tonnage .. .. .		3033.09			

NOTE 1.—The tonnage of the engine room spaces below the Upper Deck is 679.27 tons, and the tonnage of the total spaces framed in above the Upper Deck for propelling machinery and for light and air is 145.14 tons.

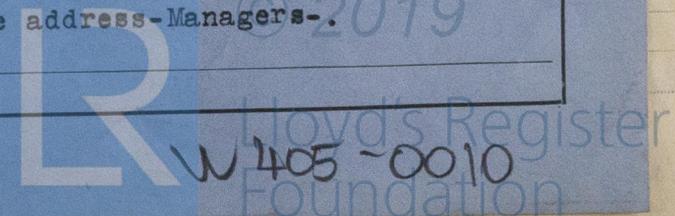
NOTE 2.—The undermentioned spaces above the Upper Deck are not included in the cubical contents forming the ship's register tonnage.

Open space in Forecastle	L. 35'	-	52.73 tons.
Open space in Bridge (Part I)	L. 117'	-	519.82 "
----- (Part II)	L. 68.5'	-	248.19 "
----- (Part III)	L. 90.5'	-	424.52 "

Certificate of { Service Competency No. No. 25 NOV. 1933

Name of Master	
No. of Owners	
Name, Residence, and Description of Managing Owner if there are more owners than one.	Charles Willis Harrison, John Harrison Francis Joseph Harrison, Robert Thomas Tidswell and Joseph White all of same address-Managers-
National Steamship Company Ltd.,	
66, Mark Lane,	
London.	
Shares:- Sixty-four	
Dated 15 November 1933.	

\*826. Wt. 11700/390. 2,000. 9/32. Wy.P.C. Gp. 613.



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