

REPORT ON REFRIGERATING MACHINERY AND INSULATION.

No. 41619.

Date of writing Report 23-12-21 When handed in at Local Office 23-12-21 Port of Glasgow
 No. in Reg. Book. 22142 Survey held at Dalmuir Date: First Survey 20-9-21 Last Survey 22-12-1921
 on the Refrigerating Appliances of the Iron or Steel Twin S/S "LARGES BAY" Master
 Tons Gross 13857 Vessel built at Dalmuir By whom H Beardmore & Co Ltd When 1921
 Net Owners Scott Line of Steamers Port Adelaide Voyage Australia
Carl Anky System. Machinery made by C. E. Hall & Co When 1921
 Insulation fitted by H Beardmore & Co Ltd When
 Non-conducting material used Silicate Cork. Number of insulated chambers 10 Total capacity 363,646 cub. ft.

DESCRIPTION OF MACHINES, ETC. No. of machines Two Single or duplex Single Where placed Two in Deck
 Power of each machine in tons of ice melted per 24 hours — Sizes of steam cylinders — Stroke —
 Revolutions per minute 70 Working pressure — No. of compression cylinders — Diameter of each —
 Single or double acting — Stroke — Diameter of crank shaft — How are air, circulating and feed pumps worked —
 Are they in duplicate — Can their work be performed by main engines —
 No. of gas condenser coils — Can each be readily disconnected — No. of refrigerator coils — Can each be readily disconnected —
 No. of brine pipe sections 78 Can each be readily disconnected yes What test has been applied to gas cylinders and coils —
 to cast iron connections — to refrigerator coils —
 to brine pipe sections gals Hydrants Are outlets of brine return pipes accessible — Is each fitted with a thermometer —
 What pipes in connection with refrigerating appliances are carried through bunkers or holds — How are they protected —
 What means are adopted for draining engine room — Is all necessary auxiliary machinery supplied —

SPARE GEAR. ARTICLES REQUIRED BY RULES AND SUPPLIED.

ADDITIONAL SPARE GEAR SUPPLIED.

*Checked & found correct as per
London Report No*

ARTICLES REQUIRED BY RULES AND NOT SUPPLIED

The foregoing is a correct description.

Manufacturers.

GENERAL REMARKS AND RECOMMENDATION

(If survey is not complete state what remains to be done)

This machinery has been well fitted on board and tested under working conditions. The holds were cooled down to an average temperature of 5.3°F. The machines then stopped and temperatures taken 12 hours afterwards. The average rise in temperatures of all compartments being 9.7°F. And is in my opinion eligible to have notification of Lloyd's RMC 12-21 in Register Book.

It is submitted that this vessel is eligible for

THE RECORD. + Lloyd's RMC 12-21.

Surveyor to Lloyd's Register of Shipping.

DESCRIPTION OF INSULATION. IN LOWER HOLDS.

IN 'TWEEN DECKS.

	Air Space.	Outer Lining.	Non-conducting Material.	Thickness of ditto.	Inner Lining.	Air Space.	Outer Lining.	Non-conducting Material.	Thickness of ditto.	Inner Lining.
SIDES	None	1"	Cork	13 3/4 x 10 3/4	✓	None	1"	Cork	10" x 13"	✓
OVERHEADING	"	1"	"	10"	✓	"	1"	"	10"	✓
BULKHEADS No. 1. F	"	1"	"	13"	✓	"	1"	"	10"	✓
" " 143A	"	1"	"	3"	✓	"	1"	"	3"	✓
" No. 2. F	"	1"	"	12 1/2"	✓	"	1"	"	7 1/2 x 6 1/2"	✓
" " 116A	2 1/2"	2-1"	Silicate	12"	5" Steel	2 1/2" None	2-1"	Silicate	12"	5" Steel
" No. 3. F	2 1/2"	2-1"	"	13 1/2"	" "	do	2-1"	Silicate	11"	5" Steel
" " 50A	2 1/2"	1"	Cork	8"	" "	None	1"	Cork	3"	✓
" No. 4. F	None	1"	"	9 1/2"	✓	"	1"	"	9 1/2 x 6 1/2"	✓
" " 31A	None	1"	"	10 1/2"	✓	"	1"	"	10 1/2 x 10"	✓
" No. 5. F										
" " A										
" No. 6. F										
" " A										

RIBBAND, MAIN DECK 2' 6" Aft. 10" Air space fruit screen forward.

BOTTOM Tank Top 6" cork slabs, 1 1/2" Bitumen 2" P.P. ceiling caulked & painted
HATCHWAYS W.P. coamings, plug hatches complete. Insulation 5" & 6" cork.

FRESH WATER TANKS

TUNNEL 3" cork. Single 1" lining
SNOW BOX Top. Same as tank top

MASTS Stop at C deck.

STANCHIONS 1 sheet cork & 1 1/2" wood. & 3" Manila rope

BILGE SUCTION & AIR & SOUNDING PIPES 6" cork 1" W.P. & 2" P.P.

Centre Keelson, Sides	✓	Top	✓	Side Keelson, Sides	✓	Top	✓
Bilge " Sides	✓	Top	✓	Web frames, Sides	✓	Face	✓
Bilge Stringers, Top	✓		Bottom	✓	Face	✓	
Side " Top	✓		Bottom	✓	Face	✓	
Hold or Orlop Stringer, Top	✓		Bottom	✓	Face	✓	
Brackets 4" cork & 1" lining	✓		do	✓	Face	2-1" wood.	
Are insulated hatches fitted over limbers	Yes			and manhole doors of tanks	Yes		
Are insulated plugs fitted in way of all sluices	Yes			bilge suctions	Yes		
Are insulated plugs fitted to ventilators	Yes			to cargo ports	None		
Are the bottoms, sides and coamings of all insulated hatches coated to prevent decay	Yes			in side insulation for examination of ship's side	Portable		
Are portable boxes fitted in overheadings for replenishing side insulation	Yes			and on tunnel tops	Yes		
What means, if any, are taken to protect the bottom insulation in way of hatchways	2" Elm to 2' 0" beyond hatchways						
Dimensions of cargo battens, on sides	None			on bottom	None		
Are these permanently fixed or portable	None fitted			spacing	✓		
Number of thermometer tubes in each chamber	Four						
Position of	do.			2 each side			
Are the flanges and covers of thermometer tubes efficiently fitted	Yes			Are all wood linings tongued and grooved	Yes		
Description and arrangement of trunkways or brine pipes for the distribution of cold	Brine pipes fitted on roof & sides & securely fastened in all insulated compartments.						

Do any trunkways pass through water-tight bulkheads No are water-tight doors fitted ✓ and efficiently insulated ✓

What means are adopted for closing the trunkways when carrying general cargo

FOR WILLIAM BEARDMORE & CO., LIMITED

A. J. Campbell Builders.

The foregoing is a correct description.

PARTICULARS TO BE ENTERED IN REGISTER BOOK.

REFRIGERATING MACHINES.					System of (1) Refrigerating (2) Insulating the Chambers.	POWER.		INSULATED CARGO CHAMBERS.	
No. and whether Single or Duplex.	Makers.	Date of Construction.	System.	Type.		Cubic feet of air delivered per hour.	Ice melting capacity per 24 hours. Tons.	No.	Capacity.
Two Single	J. E. Hall Ltd	1921	Carb. Anhy.	Hall	(1) Brine circulation (2) Silicate Cotton Cork.		132	10	363,646

Fee £ : : { Fee applied for, 1921
Travelling Expenses £ : : { Received by me, 1921
Henry Gibbs for James Craig & Self
Surveyor to Lloyd's Register.

Committee's Minute

FRI. 30 DEC. 1921

Assigned

Lloyd R.M.B. 12.21

MACHINERY CERT
WRITTEN

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Lloyd's Register
Foundation

Certificate to be sent to

Im. 11.10.-T.