

REPORT ON REFRIGERATING MACHINERY AND INSULATION.

(Received at London Office 8 OCT 1915)

Writing Report 2nd Oct. 1915 When handed in at Local Office 8 OCT 1915 Port of London
 No. in Book. Survey held at Hartford Date: First Survey 14th May 1914 Last Survey 2nd Sept 1915
 (No. of Visits 23)

the Refrigerating Appliances of the Iron or Steel
 Gross Vessel built at Glasgow No. 499 By whom Fairfield SBC. Master
 Net Owners Port Voyage
 brine Ammonia System. Machinery made by L. G. Hall & Co. When 1915
 insulation fitted by When
 conducting material used Number of insulated chambers / Total capacity 18,530 cub. ft.

DESCRIPTION OF MACHINES, ETC. No. of machines 1 Single or duplex Single Where placed Upper deck
 Power of each machine in tons of ice melted per 24 hours 10 Sizes of steam cylinders 10" Stroke 9"
 Revolutions per minute 100 Working pressure No. of compression cylinders 1 Diameter of each 3 1/2 dia
 Single or double acting double Stroke 9" Diameter of crank shaft 4 1/2 How are air, circulating and feed pumps
 Driven off crank shaft of machine Are they in duplicate No Can their work be performed by main engines Yes
 No. of gas condenser coils 3 Can each be readily disconnected Yes No. of refrigerator coils 2 Can each be readily disconnected Yes
 No. of brine pipe sections 6 Can each be readily disconnected Yes What test has been applied to gas cylinders and
 to refrigerator coils 2000 water, 1350 air to cast iron connections 900 lbs. Is each fitted with a thermometer Yes
 Brine pipe sections 100th in bond Are outlets of brine return pipes accessible Yes Is each fitted with a thermometer Yes
 Pipes in connection with refrigerating appliances are carried through bunkers or holds Service pipes How are they protected
 What means are adopted for draining engine room Is all necessary auxiliary machinery supplied

RE GEAR. ARTICLES REQUIRED BY RULES AND SUPPLIED.

ADDITIONAL SPARE GEAR SUPPLIED.

Crank shaft.	2. Lubricator gland leathers.
Piston for steam cylinder.	1. Piston rod for compressor.
Steam piston rod nut.	2. Suction valve, seats & springs + 2 del. for compressor.
Piston valve for steam cylinder.	8. Additional springs for compressor valves.
" " Spindle & nuts.	1. Guide for grinding in compressor.
Eccentric sheave strap & rod.	3. Springs for compressor piston nut locking.
Set of steam piston rings.	2. Sets of copper joint rings for compressor.
Set of packing for piston rod & valve spindle.	1. Set " " other joints.
Set of brasses with bolts & nuts for crosshead.	1. Floating gland.
" " " for crank pin.	1. Pump for lubricator. 1 CO ₂ gauge.
" " " for main bearing.	1. Regulator valve & spindle. 1 hydrometer.
Bucket & rod for water circulating pump.	2. Brass Cased thermometers.
Set of valves " " " " " "	4. Safety valve discs. 1 1/2 CO ₂ valve + 3 spares.
Brine pump.	1. Filled box for containing piston rod, valves etc.
Set of valves, springs & rings for brine pump.	2. 3/4 M. Strait through hatch cocks.
Spring for brine + 1 for water relief.	1. 4 way hatch cock.
Compressor piston leathers.	1. Brine distribution cock.
" gland " "	
Lubricator piston leathers.	

ARTICLES REQUIRED BY RULES AND NOT SUPPLIED

Wherefore is a correct description.

FOR J. & E. HALL, LTD Manufacturers.

B. Lempriere DIRECTOR.

GENERAL REMARKS AND RECOMMENDATION (If Survey is not complete state what remains to be done)
 The machinery has been constructed under special survey, materials & workmanship are good & efficient, to title the vessel to the record & Lloyd's RMC (with date) the machinery has to be suitably fitted on board and satisfactorily tested under working conditions on the insulated cargo chambers and the latter cooled down to say 10° Fah before loading a refrigerated cargo & spare gear checked.
 (The cargo holds have not been insulated the) having been taken over by the Government
 L. G. Hall
 1/14/16
 Surveyor to Lloyd's Register of Shipping.



