

## REPORT ON REFRIGERATING MACHINERY AND INSULATION.

(Received at London Office.)

Date of writing Report 100 When handed in at Local Office

No. in Reg. Book. Survey held at                      Date: First Survey                      Last Survey                      190                       
(No. of Visits)

on the Refrigerating Appliances of the Iron or Steel S/S "Canadapace" Master                     

Tons { Gross 4286 Vessel built at Howdon By whom Northumbrian & Co. Ltd. When 1904  
Net 2794 Owners Elde Dempster & Co. Ltd. Port Liverpool Voyage Cape Town

Carbonic Anhydride (CO<sub>2</sub>) System. Machinery made by J. & E. Hall Ltd When 1904

Insulation fitted by J. & E. Hall Ltd (Subdivided) No. 3, 4, 5 When                     

Non-conducting material used Silicate Cotton Number of insulated chambers No. 3. Hold. Total capacity 11765000 cub. ft.

DESCRIPTION OF MACHINES, ETC. No. of machines 1 Single or duplex Single Where placed in two holds adjoining Main Engine Room

Power of each machine in tons of ice melted per 24 hours                      Sizes of steam cylinders 10" and 14" Stroke 15"

Revolutions per minute 80 Working pressure                      No. of compression cylinders 1 Diameter of each 4 1/2"

Single or double acting Double Stroke 15" Diameter of crank shaft 8 1/2" How are air, circulating and feed pumps worked off end of crankshaft. Are they in duplicate No Can their work be performed by main engines Yes

No. of gas condenser coils 11 Can each be readily disconnected Yes No. of refrigerator coils 10 Can each be readily disconnected Yes

No. of brine pipe sections 13 Can each be readily disconnected Yes What test has been applied to gas cylinders and coils 3000 lbs. Water. to cast iron connections 90 lbs. to refrigerator coils 3000 lbs. Water.

to brine pipe sections 90 lbs Are outlets of brine return pipes accessible Yes Is each fitted with a thermometer Yes

What pipes in connection with refrigerating appliances are carried through bunkers or holds None. How are they protected                     

What means are adopted for draining engine room                      Is all necessary auxiliary machinery supplied Yes.

## SPARE GEAR. ARTICLES REQUIRED BY RULES AND SUPPLIED.

## ADDITIONAL SPARE GEAR SUPPLIED.

## 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)



## DESCRIPTION OF INSULATION.

## IN LOWER HOLDS.

## 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 .....										
OVERHEADING .....										
BULKHEADS No. 1. F ...										
" " A ...										
" No. 2. F ...										
" " A ...										
" No. 3. F ...										
" " A ...										
" No. 4. F ...										
" " A ...										
" No. 5. F ...										
" " A ...										
" No. 6. F ...										
" " A ...										

RIBBAND, MAIN DECK

BOTTOM

HATCHWAYS

FRESH WATER TANKS

TUNNEL

SNOW BOX

MASTS

STANCHIONS

BILGE SUCTION &amp; AIR &amp; SOUNDING PIPES

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

Sides

Face

Are insulated hatches fitted over timbers

and manhole doors of tanks

Are insulated plugs fitted in way of all sluices

bilge suctions

sounding pipes

Are insulated plugs fitted to ventilators

to cargo ports

in side insulation for examination of ship's side

Are the bottoms, sides and coamings of all insulated hatches coated to prevent decay

Are portable boxes fitted in overheadings for replenishing side insulation

and on tunnel tops

What means, if any, are taken to protect the bottom insulation in way of hatchways

Dimensions of cargo battens, on sides

on bottom

spacing

Are these permanently fixed or portable

Number of thermometer tubes in each chamber

Position of do.

Are the flanges and covers of thermometer tubes efficiently fitted

Are all wood linings tongued and grooved

Description and arrangement of trunkways or brine pipes for the distribution of cold

Do any trunkways pass through water-tight bulkheads

are water-tight doors fitted

and efficiently insulated

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

The foregoing is a correct description.

Builders.

## PARTICULARS TO BE ENTERED IN REGISTER BOOK.

REFRIGERATING MACHINES.					System or (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.
One Single	J. & E. Hall, Ltd. Darford	1904	CO <sub>2</sub>	Horizontal	Silicate Cotton.	-	-	5	63500

Fee ..... £ : : Fee applied for, 190 .....

Travelling Expenses £ : : Received by me, 190 .....

Surveyor to Lloyd's Register.

Committee's Minute

FRI. 4 MAR 1904

Assigned



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Foundation