

REPORT ON MACHINERY.

No. 13624

29 APR 1922

Received at London Office

of writing Report

10

When handed in at Local Office

10

Port of LIVERPOOL

in Survey held at

Birkenhead

Date, First Survey

8th April 1919

Last Survey

18th April 1922

1922

g. Book.

756 on the Steel Twin Screw Steamer.

"SAMARIA"

(Number of Visits 337)

Tons { Gross 19,602
Net 11,866

ster

Built at Birkenhead

By whom built Cammell Laird & Co. Ltd.

When built 1921

gines made at Birkenhead

By whom made Cammell Laird & Co. Ltd.

when made 4-1922

ilers made at do

By whom made do

when made do

gistered Horse Power 2527 N.H.P.

Owners Cunard S.S. Co. Ltd.

Port belonging to Liverpool

ft Horse Power at Full Power 13,500

Is Refrigerating Machinery fitted for cargo purposes

Yes

Is Electric Light fitted Yes

RBINE ENGINES, &c.—Description of Engines

Double Reduction Geared Brown-Curtis No. of Turbines 6

meter of Rotor Shaft Journals, H.P. 3 1/2" I.P. 4 1/2" L.P. 8 1/2"

Diameter of Pinion Shaft Pinion & Shaft solid

meter of Journals H.P. 6-2 1/2" I.P. 16-8" Distance between Centres of Bearings 3'-7 1/4"

Diameter of Pitch Circle H.P. 10.49" L.P. 16.28"

meter of Wheel Shaft L.P. 8 1/2" Distance between Centres of Bearings 10'-1 1/2"

Diameter of Pitch Circle of Wheel 123.62"

h of Face 1st Red 26" 2nd Red 60" Diameter of Thrust Shaft under Collars 19 1/8"

Diameter of Tunnel Shaft as per rule 16.72"

of Screw Shafts 2 Diameter of same as per rule 17.9"

Diameter of Propeller 20ft

Pitch of Propeller 20ft (Range 19-21ft)

of Blades 4 State whether Moveable Yes

Total Surface 125 sq ft; Max & Min Diameter of Rotor

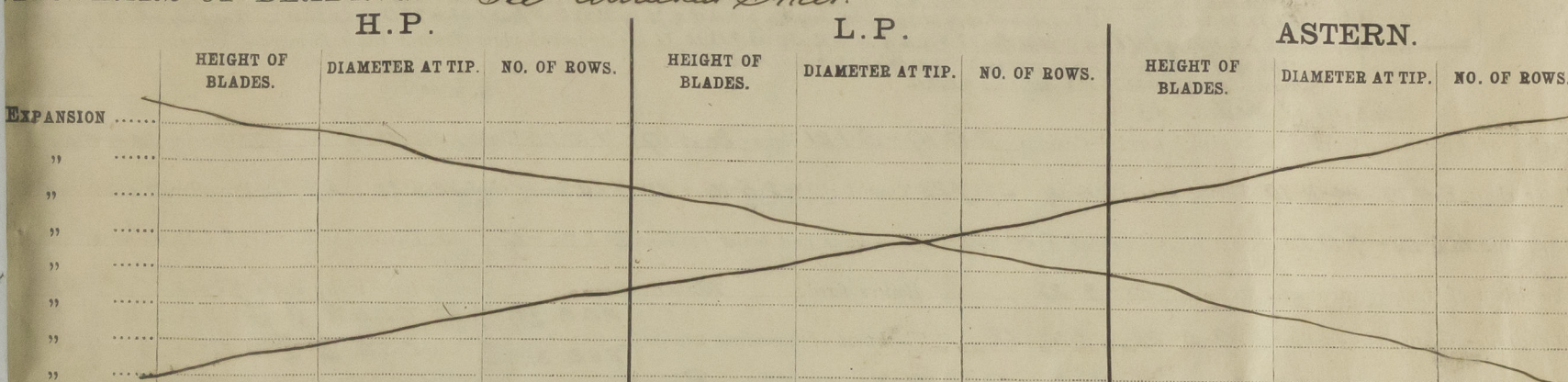
WHEELS, H.P. 19 1/8" I.P. 18 1/2" L.P. 55 1/2" - 52" astern HP 30 1/2"

ness at Bottom of Groove, H.P. L.P. Astern

Revs. per Minute at Full Power, Turbine H.P. 2750 Propeller 90

ETICULARS OF BLADING.

See Attached Sheet



nd size of Feed pumps One Rotary (Werrs) 67 lons/hr. 2 Werrs direct acting 15 1/2" x 11 1/2" x 26"

nd size of Bilge pumps 2 on Main Engines 7 1/2" x 15"; 2 Duplex 8" x 9" x 9"; 2 10" x 12" x 10"; 2 Duplex Motor Driven 9 1/2" x 9" x 12" x 10"; Oil Bilges, 1-8" x 7" x 18"

nd size of Bilge suction in Engine Room 3 1/2" - 5 in No. 2 1/2" - 2 in No. 3 Hose Conn. 2 in No. 3; Sockalls 3 1/2" - 2 in No. 3; Cofferdams 3 1/2" - 3 in No. 3; Ford Tunnel 3 1/2" - 4 in No. 3

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SUPERHEATER. Type *Schmidt* Date of Approval of Plan *12/5/19* Tested by Hydraulic Pressure to *440*
Date of Test. *14/2/22, 1/3/22, 6/3/22* Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler *Yes*
Diameter of Safety Valve *2 1/2" dia* Pressure to which each is adjusted *220 lbs/sq"* Is Easing Gear fitted *Yes*

IS A DONKEY BOILER FITTED? *No* If so, is a report now forwarded? *✓*

SPARE GEAR. State the articles supplied:—

*All the spare gear required by the rules has been placed on board,
for full particulars see separate list attached.*

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building
During progress of work in shops -- *1/7/20, 24/7/20, 1/8/20, 15/8/20, 22/8/20, 29/8/20, 5/9/20, 12/9/20, 19/9/20, 26/9/20, 3/10/20, 10/10/20, 17/10/20, 24/10/20, 31/10/20, 7/11/20, 14/11/20, 21/11/20, 28/11/20, 5/12/20, 12/12/20, 19/12/20, 26/12/20, 2/1/21, 9/1/21, 16/1/21, 23/1/21, 30/1/21, 6/2/21, 13/2/21, 20/2/21, 27/2/21, 6/3/21, 13/3/21, 20/3/21, 27/3/21, 3/4/21, 10/4/21, 17/4/21, 24/4/21, 1/5/21, 8/5/21, 15/5/21, 22/5/21, 29/5/21, 5/6/21, 12/6/21, 19/6/21, 26/6/21, 3/7/21, 10/7/21, 17/7/21, 24/7/21, 31/7/21, 7/8/21, 14/8/21, 21/8/21, 28/8/21, 4/9/21, 11/9/21, 18/9/21, 25/9/21, 2/10/21, 9/10/21, 16/10/21, 23/10/21, 30/10/21, 6/11/21, 13/11/21, 20/11/21, 27/11/21, 4/12/21, 11/12/21, 18/12/21, 25/12/21, 1/1/22, 8/1/22, 15/1/22, 22/1/22, 29/1/22, 5/2/22, 12/2/22, 19/2/22, 26/2/22, 5/3/22, 12/3/22, 19/3/22, 26/3/22, 2/4/22, 9/4/22, 16/4/22, 23/4/22, 30/4/22, 7/5/22, 14/5/22, 21/5/22, 28/5/22, 4/6/22, 11/6/22, 18/6/22, 25/6/22, 2/7/22, 9/7/22, 16/7/22, 23/7/22, 30/7/22, 6/8/22, 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