

REPORT ON MACHINERY.

No. 16113

REC'D NEW YORK FEB 4 - 1919

Received at London Office

Port of New York N.Y.

MDN 31 MAR 1919

Writing Report... When handed in at Local Office... Date, First Survey... Last Survey... Survey held at... on the... Built at... By whom built... When built... Lines made at... By whom made... when made... Owners... Port belonging to... Horse Power at Full Power... Is Refrigerating Machinery fitted for cargo purposes... Is Electric Light fitted...

TURBINE ENGINES, &c.—Description of Engines... Diameter of Rotor Shaft Journals, H.P. ... Diameter of Pitch Circle ... Diameter of Pitch Circle of Wheel ... Diameter of Thrust Shaft under Collars ... Diameter of Propeller ... Diameter of Rotor Drum, H.P. ... Revs. per Minute at Full Power, Turbine ... Propeller ...

DETAILS OF BLADING. Table with columns: ACTIVE, H.P., L.P., ASTERN. Rows include HEIGHT OF BLADES, DIAMETER AT TIP, NO. OF ROWS.

and size of Feed pumps... and size of Bilge pumps... and size of Bilge suction in Engine Room... In Holds, &c... of Bilge Injections... Connected to condenser, or to circulating pump... Is a separate Donkey Suction fitted in Engine Room & size... all the bilge suction pipes fitted with roses... Are the roses in Engine room always accessible... Are they Valves or Cocks... Are the Discharge Pipes above or below the deep water line... Are the Blow Off Cocks fitted with a spigot and brass covering plate... How are they protected... all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times... the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges... the Screw Shaft Tunnel watertight... Is it fitted with a watertight door... worked from...

BOILERS, &c.—(Letter for record... Manufacturers of Steel... Heating Surface of Boilers... Is Forced Draft fitted... No. and Description of Boilers... Date of test... No. of Certificate... Working Pressure... Tested by hydraulic pressure to... Area of fire grate in each boiler... No. and Description of Safety Valves to... each boiler be worked separately... Area of each valve... Pressure to which they are adjusted... Are they fitted with easing gear... boiler... Area of each valve... Pressure to which they are adjusted... Are they fitted with easing gear... Material of shell plates... Descrip. of riveting: cir. seams... Lap of plates or width of butt straps... Diameter of rivet holes in long. seams... Pitch of rivets... Size of manhole in shell... Working pressure of shell by rules... Material... Outside diameter... No. and Description of Furnaces in each Boiler... Description of longitudinal joint... No. of strengthening rings... Thickness of plates... Working pressure by rules... End plates in steam space... Material of stays... Diameter at smallest part... Area supported by each stay... Working pressure by rules... Material of stays... Thickness... Pitch of stays... How are stays secured... Working pressure by rules... Material of Front plates at bottom... Diameter at smallest part... Area supported by each stay... Working pressure by rules... Material of Front plates at bottom... Working pressure of plate by rules... Material of Lower back plate... Thickness... Greatest pitch of stays... Working pressure of plate by rules... Material of tube plates... Thickness: Front... Back... Mean pitch of stays... Diameter of tubes... Pitch of tubes... Material of tube plates... Thickness: Front... Back... Mean pitch of stays... Working pressures by rules... Girders to Chamber tops: Material... Depth and... Length as per rule... Distance apart... Number and pitch of stays in each... Diameter... Pitch of rivets... Steam dome: description of joint to shell... % of strength of joint... Diameter of rivet holes... Pitch of rivets... Crown plates: Thickness... How stayed...

W427-0106

IS A DONKEY BOILER FITTED? If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

General Electric Co.
per H. Berg.

Manufacturer.

1918.
Augt. 26. 30. Sept. 6. 9 17. 20. 24

Is the approved plan of main boiler forwarded herewith.

" " " *donkey* " " "

Dates of Examination of principal parts—Casings..... Rotors..... Blading..... Gearing.....

Rotor shaft *Thrust shaft* *Tunnel shafts* *Screw shaft* *Propeller*

Stern tube..... Steam pipes tested..... Engine and boiler seatings..... Engines holding down bolts.....

Completion of pumping arrangements.....	Boilers fired.....	Engines tried under steam.....
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Main boiler safety valves adjusted..... Thickness of adjusting washers.....

Material and tensile strength of Rotor shaft	Identification Mark on Do.

Material and tensile strength of Pinion shaft	Identification Mark on Do.

Material of Wheel shaft..... Identification Mark on Do..... Material of Thrust shaft..... Identification Mark on Do.....

<i>Material of Tunnel shafts</i>	<i>Identification Marks on Do.</i>	<i>Material of Screw shafts</i>	<i>Identification Marks on Do.</i>
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Material of Steam Pipes Test pressure

Is an installation fitted for burning oil fuel Is the flash point of the oil to be used over 150°F.

Have the requirements of Section 49 of the Rules been complied with.....

1. Name of ship or vessel U.S.S. Albatross If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. These engines have been constructed under special drawing in accordance with the approved plans. The materials and workmanship are sound and good. The engines have been forwarded to Portland, O. to be fitted on board.

Certificate (if required) to be sent to...

The amount of Entry Fee ...	£	:	:	} When applied for,
Special ...	£	:	:	
Donkey Boiler Fee ...	£	:	:	} When received,
Travelling Expenses (if any) £	:	:	:	

Th. Gould

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute To be attached to Portland Report No. 546.

Assigned