

25713 *Jun*

# ENGINEER SURVEYOR'S REPORT ON MACHINERY.

Rec 14/2/80

Are all the bilge suction pipes fitted with roses *yes*

No. of feed pumps *2* and sizes *4 1/4" x 18"*

What gauges are there attached to the engines and boilers ... } *1 Steam. 1 Vacuum in E.R.*  
  } *1 Steam in Stroke hold*  
*1 Ballast 9" x 12" D.A.*

Description and size of Donkey Pumps ... } *Bailer 4 x 8 D.A.*  
*4 Bilge Suction in E.R.*  
*1 Bilge " " aft hold*  
*1 " " fore hold,*  
*1 " " tunnel walls*

Where do they pump from ..... }

No. of bilge injections *1* and sizes *4" diam*

Are they connected to air, or circulating pumps *on*

Is there a hand pump in the engine room *no*

Can it be worked by the main engines *— " —*

Is there a deck hose of sufficient length )  
to reach to any part of the vessel ) *yes*

Can the super-heater be shut off and  
the boilers worked separately } *no*

Description and area of } *2 Spring valves 4 1/2 inch*  
safety valves on each  
boiler ..... } *= 32 1/2 inches*

No. of square feet of fire-grate } *64 1/2 feet*  
surface in each boiler }

Are there separate blow off and  
brine cocks on each boiler, } *yes*  
independent of those  
on the vessel's skin }

Are all pipes, cocks, roses, and pumps in  
connection with the machinery } *yes*  
accessible at all times. .... }

Tested by hydraulic pressure to 158 lb., Date 21. 1. 80  
Description and area of safety valves dead weight 3 1/2" dia.  
No. of square feet of fire grate 17 1/2 feet

What pipes are carried through the bunkers.....

How are they protected.....

When were the stern tube,  
propeller, screw shaft,  
and all connections  
examined in dry dock } *new*

Are the pipes, cocks, and valves  
arranged so as to prevent  
an unintentional connection  
between the sea and the bilge } *yes*

Is the screw shaft-tunnel water  
tight and fitted with a  
sluice door on bulkhead } *yes*

I hereby certify that the whole of the above are correct particulars of the Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel Devonia owned by J & R Bovey of the Port of London of 908 Tons Register, and 140 Registered Horse Power, and that they have been carefully inspected and examined by me at Newcastle and found to be at this date, viz., January 18 80 in good order and safe working condition.

Sam. Orvickat  
Engineer Surveyor to Lloyd's Register of Shipping.  
Wm. H. Shields

Boiler Tracing Enclosed

Report (if any) on Hull of Vessel.	Port	No.
	Newcastle	114705

Form No. 8-1000-22/678]

180N490-0299



It is submitted that this amount  
is eligible to have the  
signature of Lloyd's Inc.

1.80 recorded in the  
Register Book

AM 16/2/80



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Foundation