

S.S. "Whimbrell" 23704 Jan

LOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

No. 26514

ENGINES.

Rev 11/6/79

Description *Comp^d Invt^d S.A. Spec Cond^t*
 Made by *Messrs J. Sack & Co*
 When *1879* At *Liverpool*
 Diameter of cylinder *18" 24"* Length of stroke *33"*
 No. of revolutions per minute *70*
 Point of cut off *Variable*
 Diameter of screw shaft *8 1/2"*
 Diameter of crank shaft journals *8 1/2"*
 Diameter of screw, or of paddle wheel *11" 0"*
 Pitch of screw *15" 6"*
 No. of blades, *4* Total surface *36 sq. ft.*
 No. of bilge pumps *1* and sizes *3 1/2" diam 20" stroke*
 Do they pump from each compartment *Yes*

Are all the bilge suction pipes fitted with roses *Yes*
 No. of feed pumps *1* and sizes *3 1/2" diam 20" stroke*
 What gauges are there attached to the engines and boilers ... *1 P. in stoke hold. 1 P. in 1 Sat and one Comp^d in E. room.*
 Description and size of Donkey Pumps ... *1 of 5" Steam Cyl. 1 of 8" Steam Cyl.*
 Where do they pump from ... *Sea, Bilges, hot water W.B. Tanks to Boilers, Tanks, deck & overboard*
 No. of bilge injections *1* and sizes *3"*
 Are they connected to air, or circulating pumps *Circulating*
 Is there a hand pump in the engine room *Yes*
 Can it be worked by the main engines *No*
 Is there a deck hose of sufficient length to reach to any part of the vessel *Yes*

MAIN BOILERS.

Number *1* Description *Cyl. Rⁿ Tubular*
 Made by *Messrs J. Sack & Co*
 When *1879* At *Liverpool*
 Working pressure *85 lbs*
 Tested by hydraulic pressure to *170*, Date *7th April*
 Description of super-heating apparatus *Not any.*
 Can each boiler be worked separately *One Boiler only*

Can the super-heater be shut off and the boilers worked separately *No superheater*
 Description and area of safety valves on each boiler ... *2 of Spring load = 14 1/2" area each*
 No. of square feet of fire-grate surface in each boiler *56.3 sq. ft.*
 Are there separate blow off and brine cocks on each boiler, independent of those on the vessel's skin *Yes*
 Are all pipes, cocks, roses, and pumps in connection with the machinery accessible at all times. *Yes*

DONKEY BOILER.

Description *Cyl. vertical*
 Where fixed *In iron casing on deck*
 Working pressure *60 lbs*

Tested by hydraulic pressure to *120*, Date *1st May*
 Description and area of safety valves *1 of Spring load = 7" area*
 No. of square feet of fire grate *12 sq. ft.*

PIPES, COCKS, AND CONNECTIONS.

Are all connections with the sea direct on the skin of the ship *Yes*
 Are they Kingston valves or common cocks ... *Common cocks & chests*
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates ... *Yes*
 Are the discharge pipes above or below the deep water line *Level*
 Are they each fitted with a discharge valve on the plating of the vessel *Yes*

What pipes are carried through the bunkers *Not any*
 How are they protected *✓*
 When were the stern tube, propeller, screw shaft, and all connections examined in dry dock *At this time*
 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*

James Sack & Co. Manufacturers

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 *"Whimbrell"* owned by *The Cork Steam S. Coy Limited* of the Port of *Cork* of *619* Tons Register, and *98* Registered Horse Power, and that they have been carefully inspected and examined by me at *Liverpool* and found to be at this date, viz., *4th June* 18*79* in good order and safe working condition.

Amount of Fee for Survey ... £5 ... Rec^d 10/6/79
 (Travelling Expenses, if any, £ ...)

J. F. L. Engineer Surveyor to Lloyd's Register of Shipping.

Mr. Archibald J. ...
in accordance with the ...
That ... is eligible to ...
Lloyd's M.C. ...
June 4th June 1879

11-6-79



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Foundation