

IS A DONKEY BOILER FITTED? *Yes*

If so, is a report now forwarded? *Yes*

SPARE GEAR. State the articles supplied:— *Two top & 2 bottom end bolto, 2 main bearing bolto, 1 set of coupling bolto, 1 set of feed & bilge pump valves, a quantity of assorted bolto nuts & iron 1 propeller shaft, 2 propeller blades, 2 top half eccentric straps 1 slide rod*

The foregoing is a correct description,

NORTH EASTERN MARINE ENGINEERING Co., LTD.

J. G. Harrison Manufacturer.
Secretary.

Dates of Survey while building: During progress of work in shops - - 1913 Oct. 17, 24, 28, 31. Dec. 9, 10, 22, 23, 31. 1914 Jan. 5, 6, 7, 8, 13, 14, 19, 20, 26, 27, 28, 29, 30, 31, Feb. 3, 4, 6, 13, 14. During erection on board vessel - - 16, 17, 23, 24, 26, 27, Mar. 2, 4, 5, 9, 12, 19, 27, Apr. 3, 6, 15, 17, 27, May 6. Total No. of visits 47. Is the approved plan of main boiler forwarded herewith *Yes*

Dates of Examination of principal parts—Cylinders *4/1/14* Slides *9/3/14* Covers *17/2/14* Pistons *19/1/14* Rods *6/2/14* Connecting rods *3/10/13* Crank shaft *5/1/14* Thrust shaft *3/12/13* Tunnel shafts *7/1/14* Screw shaft *3/2/14* Propeller *16/2/14* Stern tube *16/2/14* Steam pipes tested *5/2/14* Engine and boiler seatings *23/2/14* Engines holding down bolts *6/4/14* Completion of pumping arrangements *6/5/14* Boilers fixed *6/4/14* Engines tried under steam *27/4/14* Main boiler safety valves adjusted *27/4/14* Thickness of adjusting washers *S. 3 5/8" P 5 7/8" C. 5 1/2" P. 1 1/2" P. P 9/16" 5 9/16"* Material of Crank shaft *steel* Identification Mark on Do. *30/1/14* Material of Thrust shaft *steel* Identification Mark on Do. *3/12/13* Material of Tunnel shafts *steel* Identification Marks on Do. *13/1/14* Material of Screw shafts *steel* Identification Marks on Do. *4/2/14* Material of Steam Pipes *Lap welded iron* Test pressure *660 lbs.* Is an installation fitted for burning oil fuel *no* 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 *✓*

Is this machinery duplicate of a previous case *no* If so, state name of vessel *✓*

General Remarks (State quality of workmanship, opinions as to class, &c.)

The machinery of this vessel has been built under special survey, the materials used are good, and the workmanship is satisfactory, it has been properly fitted on board and secured, and the engines have been tried under full power. In my opinion this vessel is eligible for the record of L.M.C. 5, 14.

It is submitted that this vessel is eligible for THE RECORD. + L.M.C. 5, 14. F.D.

J.W.D.
18/5/14
P.R.A.

The amount of Entry Fee ... £ 3 : : When applied for, Special ... £ 53 : 4 : MAY 15 1914 Donkey Boiler Fee ... £ 2 : 2 : When received, Travelling Expenses (if any) £ : : 18/5/14

Charles Cooper
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute FRI. MAY. 22. 1914

Assigned + L.M.C. 5, 14 L.S.

MACHINERY CERTIFICATE WRITTEN.



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