



IS A DONKEY BOILER FITTED? *Yes*

If so, is a report now forwarded? *No*

SPARE GEAR. State the articles supplied: - 2 top & 2 bottom end bolts & nuts, 2 main bearing bolts & nuts, one set coupling bolts, one set feed, & one set bilge pump valves. Pump valves for air, circulating & donkey pumps. Feed check valve. 12 boiler tubes. Assorted bolts & nuts, & iron of various sizes. One escape valve spring for each size. One safety valve spring. One propeller. Spare piston rings for H.P. and I.P. pistons.

The foregoing is a correct description,

FOR COOPER & GREIG LIMITED

*W. H. Cooper*

Manufacturers

Dates of Survey while building: During progress of work in shops - AUG. 9, 21, 28. NOV. 2, 15. DEC. 2, 11, 15, 26, 31. FEB. 3, 5. MAR. 16. APR. 3, 6. MAY 1, 29, 31. During erection on board vessel - (Glasgow) 1914, Aug. 3, 22, 30, Sep. 14, 21, 25, 28, Oct. 2. (8 visits) Total No. of visits 238

Is the approved plan of main boiler forwarded herewith? *Yes*

Dates of Examination of principal parts: Cylinders 7.8.14 Slides 9.8.14 Covers 7.8.14 Pistons 9.8.14 Rods 9.8.14

Connecting rods 9.8.14 Crank shaft 14.4.14 Thrust shaft 19.4.14 Tunnel shafts 10.4.14 Screw shaft 10.4.14 Propeller 10.4.14

Stern tube 10.4.14 Steam pipes tested 19-9-14 Engine and boiler seatings 30-8-14 Engines holding down bolts 14-9-14

Completion of pumping arrangements 3-10-14 Boilers fixed 14-9-14 Engines tried under steam 3-10-14

Completion of fitting sea connections 3-8-14 Stern tube 3-8-14 Screw shaft and propeller 3-8-14

Main boiler safety valves adjusted 28-9-14 Thickness of adjusting washers 4/32 - 4/32 inch 3/16 - 3/16 inch

Material of Crank shaft *Steel* Identification Mark on Do. 4322-644. Material of Thrust shaft *Steel* Identification Mark on Do. 8803 J.H.M.

Material of Tunnel shafts *W.S.* Identification Marks on Do. 8803 J.H.M. Material of Screw shafts *W.S.* Identification Marks on Do. 8803 J.H.M.

Material of Steam Pipes *Copper* Test pressure 360 lbs per sq inch

Is an installation fitted for burning oil fuel? *Yes* 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? *Yes*

Is this machinery duplicate of a previous case? *Yes* If so, state name of vessel 'ELMPARK' (under Rpt. No. 4994).

General Remarks (State quality of workmanship, opinions as to class, &c. The engines for this vessel have

been built under special survey, and in accordance with the

Society's Rules. They have been sent to Glasgow, where they will

be fitted on board the vessel.

The materials and workmanship are sound & good.

When the machinery has been satisfactorily completed on board, the

spare gas checked & the pumping arrangements completed, it will

be eligible in my opinion to have record of L.M.C. (with date)

made in the Register Book.

The machinery has been securely fitted on board & tried under

full working conditions & found satisfactory.

For full particulars of main & donkey boilers, please see Glasgow Reports

The machinery of this vessel is eligible, in my opinion, to have

the Record T.H.M. @ 10-14.

It is submitted that this vessel is eligible for THE RECORD. + L.M.C. 10.17.

Table with columns for 'The amount of Entry Fee', 'Special', 'Donkey Boiler Fee', 'Travelling Expenses (if any)', and 'When applied for' / 'When received'.

Committee's Minute GLASGOW. 16 OCT. 1917

Assigned + L.M.C. 10.17

MACHINERY CERTIFICATE WRITTEN 17.10.17

*Fred. A. Ferguson* Engineer Surveyor to Lloyd's Register of Shipping.

*Fred. A. Ferguson* 6/10/17



Lloyd's Register Foundation