



IS A DONKEY BOILER FITTED? *No*

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

2 Connecting Rod beyond bolts & nuts	✓ 1 set Main & Donkey feed check valves.	2 Bronze Propeller Hades
2 " " " " "	✓ 6 cylinder cover studs & nuts.	1 H. P. piston valve.
2 Main Bearing " " "	✓ 6 steam chest " "	1 set each H.P. & J.P. piston ring
6 Coupling " " "	✓ 12 junk ring " "	18 ordinary & 6 boiler stay tubes.
1 set Feed Pump valves	✓ Assorted bolts & nuts	36 condenser tubes & 50 ferrules.
1 set Bilge " "	✓ bars round flat iron	1 set of fire bars for one boiler.

The foregoing is a correct description,

*Canadian Vickers Ltd* per *H. M. Cameron* Manufacturer.

Dates of Survey while building { During progress of work in shops -- 1918. July 18, Aug 19, 21, 26, Sept 9, 26, Oct 5, 7, 8, 15, 18, 29, 31, Nov 12, 15, 18, 26, Dec 11, 12, 14, 16, 19, 19, Jan 2, 6, 8, 10, 14, 18, 22, 23, 24, 28, 29, Feb 3, 10, 11, 12, 17, 19, 25, 28, 29, Apr 4, 7, 22, 25, 28, 30, May 2, 3, 5, 9, 12, 13, 17.

During erection on board vessel --- }  
 Total No. of visits *53*

Is the approved plan of main boiler forwarded herewith *No*

" " " donkey " " "

Dates of Examination of principal parts—Cylinders <sup>8-10-18</sup> <sub>23-12-18</sub> Slides 15-2-19 Covers 7-2-19 Pistons 10-2-19 Rods 10-2-19  
 Connecting rods 3-2-19 Crank shaft 10-1-19 Thrust shaft 28-1-19 Tunnel shafts 3-2-19 Screw shaft 11-2-19 Propeller 11-2-19  
 Stern tube 5-2-19 Steam pipes tested 3-5-19 Engine and boiler seatings 19-4-19 Engines holding down bolts 28-4-19  
 Completion of pumping arrangements 14-5-19 Boilers fixed 25-4-19 Engines tried under steam 17-5-19  
 Completion of fitting sea connections 7-3-19 Stern tube 7-3-19 Screw shaft and propeller 7-3-19  
 Main boiler safety valves adjusted 13-5-19 Thickness of adjusting washers *Port Blk P. 3/16 S. 3/64 Cent Blk P. 2/32 S. 1/2 Shell Blk P. 3/64 S. 3/64*  
 Material of Crank shaft *S* Identification Mark on Do. <sup>360</sup> 7-6-18 Material of Thrust shaft *S* Identification Mark on Do. <sup>531</sup> 11-10-18  
 Material of Tunnel shafts *S* Identification Marks on Do. <sup>464</sup> 9-8-18 Material of Screw shafts *S* Identification Marks on Do. <sup>583</sup> 7-6-18  
 Material of Steam Pipes *Steel* Test pressure 540 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 *Yes* If so, state name of vessel *Canadian Pioneer*.

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

The engines and boilers of this vessel have been constructed under special survey and in accordance with the rules. The materials and workmanship are good. They have been fitted on board together with the auxiliary machinery, tried under steam and found to be working satisfactorily.

The boilers are of good workmanship and the material has been tested in accordance with the rules. They have been tested by water pressure to 360 lbs and found tight. The safety valves have been adjusted under steam to blow at a pressure of 180 lbs per sq in.

The joints of the rail shaft liner having been soldered should in my opinion be specially examined at the end of two years.

In my opinion the machinery of this vessel is in good and efficient condition eligible to be classed in the Society's Register book and to have the record of F.L.M.C. 5-19.

The amount of Entry Fee ... £ \$15.00 : When applied for.  
 Special ... £ 230.00 : *May 31, 1919*  
 Donkey Boiler Fee ... £ :  
 Travelling Expenses (if any) £ 37.50 :  
 When received *per cable 23 Jul 1919*

*H. J. Alderson*  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 8-JUL. 1919

Assigned

*+ L.M.C. 5.19*

MACHINERY CERTIFICATE WRITTEN



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Lloyd's Register Foundation

Rpt. 13.

Port of

No. in Reg. Book

Owners

Yard No.

DESCRIPTION

10 K.W.

Lubrication

Capacity of D

Where is Dyn

Position of M

Positions of a

If fuses are

circuits

If vessel is w

Are the fuses

Are all fuses

are perm

Are all switche

Total number

A Ford Acc

B Afr

C Navigat

D Machin

E cargo spe

2 Ma

2

If arc lights,

Where are t

DESCRIPTION

Main cable ca

Branch cable

Branch cable

Leads to lamp

Cargo light ca

DESCRIPTION

Rubber in

30% pu