

497312

# Report of Survey for Repairs, &c., of Engines & Boilers.

(Received at London Office, **TUES 10 JULY 1889**)

No. 49 Date of Writing Report 12. 7. 89. 1889 Port of London  
No. in Reg. Book 49 Survey held at London Date, first Survey June 28 Last Survey July 12 1889  
on the Machinery of the S. S. "Hankow" Master W. Milburn & Co. No. of Visits 8  
Tonnage Gross 3594 Net 2332 Vessel built at Nure. By whom C. Mitchell & Co. When 1873 Boilers, when made (Main) 1885 (Donkey)  
Registered Horse Power 500 Engines made at " Owners W. Milburn & Co. Port London Voyage "  
No. of Main Boilers 3 Steam Pressure in Main Boilers 75 lbs. ☒ Surveyed Afloat ☒ in Dry Dock S. S. Hks. Class of Vessel & Machinery 100 A 1.  
in Donkey Boiler (State name of Dock.) " (As in Register Book, including date of last Boiler Survey.) T.M.C. 385  
SS Nure No 3.-85 -1-N.B.85.

Last Survey No. " Port "

## Particulars of Examination and Repairs (if any) S. S. No 1.

(State clearly the cause of Repairs if any, and, in detail, the nature and extent of Examinations and subsequent Repairs.) Repairs on account of Damage should be separated from Repairs due to other causes. State also the dates and initials of any letters respecting this case

Did the Surveyor personally go inside each Boiler separately (including the Donkey Boiler, if any), and make a thorough examination at this time?

If this was not done, state for what reasons?

And what parts of the Boilers could not be thus thoroughly examined?

Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each boiler?

Vessel placed in dry dock sea connections examd. & found in good condn. A new donkey boiler blow off cock has now been fitted on ship's side. Propeller disconnected. A new tail shaft & short length of tunnel shaft together with new propeller boss & blades now fitted the stern bush renewed & shaft g. lined up from end to end. After half crank shaft examd. found to be sound, this has been lifted out & bolted to a new found. half the two parts lined up in lathe, new brasses fitted & shaft properly lined up. Thrust shaft examd. found in good condn. new brass rings now fitted. H. & L. P. slides examd. in good condn. Main Boiler furnaces & shells examd. & found in good condn. At this time the boilers were full of water to stiffen the vessel. Safety Valves examd. found in good condn. Wench boiler & Safety Valves examd. & found in good condn.

To complete the Survey the cylinders, Air, Circulating, Feed & Bilge pumps, Interior of Main Boiler, have to be examd. & Safety Valves of Main & Wench boilers tested under steam, which the owners propose to do on the vessel's arrival in Sydney - Australia for which port the vessel leaves 14<sup>th</sup> Inst.

## General Observations, Opinion, and Recommendation:--

(State clearly what alteration, if any, is suggested to be made in the existing classification and notification of the vessel's machinery in the Register Book, consequent upon this survey: thus for example, B.S. 1/89, B. & M.S. 1/89, or L.M.C. 1/89, as the case may be.)

As far as seen this vessel is eligible in my opinion to remain as classed than the notification T.M.C. pending on completion of survey

Office or Registration Fee (per Sec. 27).....	£ : :	Fees applied for	
Survey Fee (per Section 28).....	£ 3 10 :	<u>40 7 188 9</u>	
Special Damage Fee (per Section 28).....	£ : :		
Certificate (if required) as per margin.....	£ : :	received by me,	
Travelling Expenses (if chargeable).....	£ : :	<u>2 12 188 9</u>	

Geo. E. Merriam  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute **FRIDAY 2 AUGUST 1889** **TUE 7 JAN 90** **FRIDAY 18 APRIL 1890**

Assigned Deferred for Completion



It is submitted that this vessel will be eligible to have  
Z.M.C. 7-89 recorded when the Cylinders, air Circulating  
Feed and bilge pumps and interior of the Main  
boilers have been examined and the  
safety valves of the Main and  
donkey boilers adjusted under  
steam—(which is proposed to  
be done in Sydney)

W.A.

31-7-89

