

Report of Survey for Repairs of Engines and Boilers.

No. *5993*

(Received at London Office, *29th JAN. 33.*)

No. in Survey held at *Glasgow*

Date, first Survey *Aug 1882* Last Survey *Aug 20 1883*

Reg. Book. *13* on the Machinery of the *S.S. Heatherden*

(Number of Visits *2*)

Tonnage, Gross *1462*

Built at *Baisley*

When built *1882*

Ditto, Net *934*

Owners *James Hay & Sons*

Port belonging to *Glasgow*

Diameter of Cylinder *34" & 66"*

Engines made by *Leeming & Ferguson & Hay* When made *1882*

Length of Stroke *39"*

Boilers made by *" " " "* When made *1882*

Pressure of Steam *80 lbs*

If Surveyed Afloat or in Dry Dock *Dry Dock*

Classed *100 A.1*

Registered Horse Power *200*

(State name of Dock.) *Govan*

Years assigned. *9.82*

Last Survey No. _____

Port _____

** Lloyd's M.B. 7.82*

Particulars of Repairs and Examination of *Kinstadter's Patent* *new steering & propelling*

(State cause of Repairs.)

apparatus which had now been working six months, found the steel pins of the universal joint somewhat rough & corroded and the brass bushes of these pins worn about 9/32" oval, the cheeks or jaws of outer part of shaft also worn being now about 3/16" open, the lignum vite in stern bush and also in bush through Rudder in good condition & the shafting very slightly worn down, the steering propeller & rudder in good condition, found the main propeller which was slightly loose tightened up on the shaft & made good.

General Observations, Opinion, and Recommendation:— *In consequence of the wear and tear on the universal joint as described above we are of opinion that this part of the machinery should be again examined by one of the Society's Surveyors in six months hence and the vessel to remain as classed in the Register Book.*

Entry or Registering Fee... £ : :
(per Section 27.)
Survey Fee (per Section 28) ... £ : : received by me,
Certificate (if required) ... £ : : 188
to be sent as per margin.
(Travelling Expenses, if any, £)

Committee's Minute _____ 188

Assigned _____

James Morrison
J. W. Gregor

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

Chaple District
Lloyd's Register Foundation

GLS147-0309

(State if Report is also sent on the Hull of the Ship)
(Condition of Engines and Boilers, and subsequent Repairs and Examinations, to be clearly stated.)

(Form No. 9-3900, 20/5/82.)
(The Surveyors are required to fill in the space for Committee's Minute.)

Insert Character precisely as in the Register Book.

It is submitted that this vessel is 5993 gbs

eligible to remain as classed
subject to the propeller &c
being recovered in 6 months

By 29/1/83



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Foundation