

REPORT ON MACHINERY.

No. 10768.

Port of *Glasgow*

No. in Survey held at *Glasgow*
Reg. Book.

Date, first Survey

Received at London Office

Last Survey *8th Feb. 1893*

(Number of Visits)

on the

Ship *Norvern*

Master

Built at *Glasgow* By whom built *R. Duncan & Co*

Tons }
Gross
Net

When built

Engines made at

By whom made

when made

Boilers made at

By whom made

when made

Registered Horse Power

Owners

Port belonging to

Nom. Horse Power as per Section 28

ENGINES, &c.—

Description of Engines

Diameter of Cylinders

Length of Stroke

Revolutions per minute

No. of Cylinders

Diameter of Tunnel shaft as per rule

Diameter of Crank shaft journals

Diameter of Crank pin

Diameter of Screw shaft as per rule

Diameter of screw as fitted

Pitch of screw

State whether moveable

Size of Crank webs

No. of Feed pumps

Diameter of ditto

No. of blades

State whether moveable

Total surface

No. of Bilge pumps

Diameter of ditto

Stroke

Can one be overhauled while the other is at work

APH324-0018

DONKEY BOILER— Description *Vertical with Cross tubes*
 Made at *Glasgow* By whom made *H. Wallace & Co* When made *1893* Where fixed *on deck*
 Working pressure *60 lbs* tested by hydraulic pressure to *120 lbs* No. of Certificate *3844* Fire grate area *10.0* feet Description of safety valves *Direct spring*
 No. of safety valves *one* Area of each *7.0*" Pressure to which they are adjusted *60 lbs* If fitted with easing gear *yes* If steam from main boilers can
 enter the donkey boiler *no* Diameter of donkey boiler *4'-3"* Length *9'-0"* Material of shell plates *3/8" steel*
 Description of riveting long. seams *d. riv. lap* Diameter of rivet holes *13/16* Whether punched or drilled *drilled* Pitch of rivets *3 1/4"*
 Lap of plating *4 1/2"* Per centage of strength of joint Rivets *72* Thickness of shell crown plates *7/16* Radius of do. *48"* No. of Stays to do. *4*
 Dia. of stays. *1 5/8"* Diameter of furnace Top *43"* Bottom *44"* Length of furnace *48"* Thickness of furnace plates *7/16* Description of
 joint *lap* Thickness of furnace crown plates *7/16* Stayed by *as above & uptake* Working pressure of shell by rules *104 lbs*
 Working pressure of furnace by rules *70 lbs* - Diameter of uptake *12"* Thickness of uptake plates *3/8"* Thickness of water tubes *3/8"*

SPARE GEAR. State the articles supplied:—

*The above mentioned boiler has been built under special survey and is of good workman-
 ship material. The above particulars furnished for
 the information of Greenock Surveyors.*

The foregoing is a correct description,

Manufactures

*John Sanderson
 Glasgow 13/12/93*