

REPORT ON MACHINERY.

No. 4819.

Port of *Grimshy*

TUES. 25 JUN 1907

Received at London Office

No. in Survey held at *Grimshy*

Date, first Survey *Jan 18th 1907* Last Survey *June 12. 1907*

on the Machinery of the Herring Difter *VINE*

(Number of Visits *37*)

Master *J. Nicol* Built at *Selby* By whom built *Cochran & Sons*

Tons } Gross *95*
Net *21*

Engines made at *Grimshy* By whom made *J. B. Central Co. of Eng. & Rep.*

When built *1907*
when made *1907*

Boilers made at *Selby* By whom made *Selby* when made *1907*

Registered Horse Power *40* Owners *Thomas Murray & Co* Port belonging to *Gardenveston*

Is Refrigerating Machinery fitted for cargo purposes *no* Is Electric Light fitted *no*

Engines, &c.—Description of Engines *Comp: Im. G: Surf. Condensing* No. of Cylinders *2* No. of Cranks *2*

Dia. of Cylinders *13" + 28"* Length of Stroke *18* Revs. per minute *120* Dia. of Screw shaft *5.56* Material of screw shaft *Sp. Iron*

Is the screw shaft fitted with a continuous liner the whole length of the stern tube *Yes* Is the after end of the liner made water tight *Yes*

Is the propeller boss *Yes* If the liner is in more than one length are the joints burned *Yes* If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive *Yes*

If two liners are fitted, is the shaft lapped or protected between the liners *Yes* Length of stern bush *2'-3"*

Dia. of Tunnel shaft *5.78* Dia. of Crank shaft journals *5.62* Dia. of Crank pin *5.62* Size of Crank webs *10 1/2 x 5 1/2* Dia. of thrust shaft under flange *5.78*

Dia. of screw *7-0* Pitch of Screw *8-6* No. of Blades *4* State whether moveable *no* Total surface *14.5*

No. of Feed pumps *1* Diameter of ditto *2 1/4* Stroke *9* Can one be overhauled while the other is at work *Yes*

No. of Bilge pumps *1* Diameter of ditto *2 1/4* Stroke *9* Can one be overhauled while the other is at work *Yes*

No. of Donkey Engines *one* Size of Pumps *4 1/2 x 4 1/2* No. and size of Suctions connected to both Bilge and Donkey pumps *2 1/2*

Engine Room *Sea, bilge, hold, &c.* In Holds, &c. *Fishroom 2 tone*

No. of Bilge Injections *1* sizes *3* Connected to condenser, or to circulating pump *no* Is a separate Donkey Suction fitted in Engine room & size *Ejector 2"*

Are all the bilge suction pipes fitted with roses *Yes* Are the roses in Engine room always accessible *Yes* Are the sluices on Engine room bulkheads always accessible *none*

Are all connections with the sea direct on the skin of the ship *Yes* Are they Valves or Cocks *Both*

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates *Yes* Are the Discharge Pipes above or below the deep water line *above*

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel *Yes* Are the Blow Off Cocks fitted with a spigot and brass covering plate *Yes*

How are they protected *Fishroom suction* How are they protected *Wood Casing*

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times *Yes*

Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges *Yes*

Dates of examination of completion of fitting of Sea Connections *18/3/07* of Stern Tube *18/3/07* Screw shaft and Propeller *18/3/07*

Is the Screw Shaft Tunnel watertight *none* Is it fitted with a watertight door *no* worked from *Funnel lead*

Manufacturers of Steel *Steel Co of Scotland* *Imaney Leadridge*

Total Heating Surface of Boiler *797* Is Forced Draft fitted *no* No. and Description of Boiler *one Single Vdged Marine*

Working Pressure *130 lbs* Tested by hydraulic pressure to *260 lbs* Date of test *29th May 07* No. of Certificate *57*

Can each boiler be worked separately *Yes* Area of fire grate in each boiler *25.47* No. and Description of Safety Valves to each boiler *2 Spring loaded*

Area of each valve *3.14* Pressure to which they are adjusted *130 lbs* Are they fitted with easing gear *Yes*

Sigsbee No 41
Dobson No 75

