

*St. "Liffey" (ex Lady)
Lycett*

9973

ENGINEER'S CERTIFICATE.

The following is a true Account of the Particulars of the Machinery and Boilers:—

ENGINES.—Here state description of Engines, whether Direct Acting or Geared; Inverted, Horizontal, Diagonal, or Oscillating Cylinders; No. of Cylinders, &c.

Compound Inverted Cylinder Direct acting with surface condenser.

ENGINES, maker of <i>London & Glasgow Engineering Co. Ltd.</i>	Bilge Pumps, No. (<i>2</i>) and size <i>6" diam. 6 3/4" Stroke.</i>
" age of <i>New</i>	Feed " No. (<i>2</i>) and size <i>4 3/4" " 10"</i>
" last time taken out	Spare gear, if usual quantity on board Vessel } <i>Yes</i>
" present condition	Fuel, where stowed <i>Side Bunkers</i>
Diameter of Cylinder <i>31 x 54</i>	" space between Coal Bunkers and Boilers } <i>1' 6"</i>
Length of stroke <i>33</i>	" for what quantity is space provided
No. per minute of Engines <i>40</i>	Donkey Engine and Boiler <i>Yes</i>
" of Screw <i>40</i>	" if fitted in Engine Room or on Deck } <i>Donkey in Engine Room</i>
Estimated power	" can pump be worked by hand <i>Yes</i>
Effective power	" size of pump () and stroke <i>4 1/2" diam. 9" Stroke.</i>
Diameter of Screw (or Paddle Wheels) <i>15</i>	" is hose of sufficient length to reach every part of the Vessel } <i>Yes</i>
Pitch of Screw <i>16 - 3</i>	No. () and continuation of hand pumps, if fitted in Engine Room } <i>One</i>
No. of Blades (or Floats) <i>Four</i>	
Description of Screw (or Floats) <i>Tapered Blade</i>	
Holding down Bolts, size <i>1 1/8</i>	
" present condition <i>New</i>	

BOILER.—Here state description of Boiler, and No.; if Tubular, or Flues; No. of Furnaces; if fitted with superheating apparatus; if fired atwharftships, or from fore, or after end of Boiler, &c.

Circular Tubular high pressure. Boilers two in number

BOILER, maker of <i>London & Glasgow Engineering Co. Ltd.</i>	Can each Boiler be used separately <i>Yes</i>
" age of <i>New</i>	What clear space between top of Boiler and woodwork } <i>2' 6"</i>
" when last taken out	What clear space between Funnel and woodwork } <i>2' 6"</i>
" present condition	Are Engine and Boiler Keelsons well connected fore and aft } <i>Yes</i>
" working pressure <i>62</i>	
No. of surface Blow off Cocks to each Boiler } <i>One</i>	
SCREW SHAFT length <i>9 1/2 feet</i> diameter <i>8 3/4 x 9 1/2"</i> Tunnel, thickness of plating	height <i>5 feet.</i>
width <i>3' 9"</i> if water-tight door on Engine Bulkhead. <i>Yes</i>	

Port *Glasgow* *19th* day of *March* 18 *72*

we hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Lady Lycett* belonging to *St Dunckerby Coy* whereof *George Hawker* is Master, *1855* Tons Register, and *150* H.P. have been carefully inspected and examined by *me* at *Glasgow* and *we* found the same, at this date, in good order and safe working condition.

By the London & Glasgow Engineering & Iron Shipbuilding Coy Limited Marine Engineers.