

HOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

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

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

Direct Acting Inverted Two cylinders

Maker of *Marshall Osborn & Co*
 of *New*
 Date taken out *Never*
 Present condition *good*
 Diameter of Cylinders *28 inches*
 Stroke *24"*
 Revolutions of Engines *80*
 Horsepower *80*
 Indicated Power *56 Horse Power nominal*
 Diameter of Screw (or Paddle Wheels) *about 250 inches*
 Diameter of Screw *14 ft*
 Number of Floats *Four*
 Diameter of Screw (or Floats) *Common*
 Diameter of Bolts, size *1 1/2" dia*
 Present condition *Good*

Bilge Pumps, No. (*1*) and size *3 1/2" dia*
 Feed " No. (*1*) and size *3 1/2" dia*
 Spare gear, if usual quantity on board Vessel } *As usual*
 Fuel, where stowed *Iron Bunkers*
 " space between Coal Bunkers and Boilers } *Clear*
 " for what quantity is space provided *60 Tons*
 Donkey Engine and Boiler *Yes*
 " if fitted in Engine Room or on Deck } *Boiler on Deck*
 " can pump be worked by hand } *Engine in Engine Room*
 " size of pump (*4"*) and stroke *9 in*
 " is hose of sufficient length to reach every part of the Vessel } *Yes*
 No. () and continuation of hand pumps, if fitted in Engine Room } _____

2. Here state description of Boiler, and No.; if Tubular, or Flues; No. of Furnaces; if fitted with superheating apparatus; if Fired athwartships, or from fore, or after end of Boiler, &c.

Tubular, Two furnaces, partial superheating fore and aft end

Maker of *Marshall Osborn & Co*
 of *New*
 Date taken out *Never*
 Present condition *good*
 Working pressure *40 lbs*
 Number of Blow off Cocks to Boiler } *One*
 Length *10'-9"* diameter *6 1/8"* Tunnel, thickness of plating *5/16"* height *4'-6"*
 if water-tight door on Engine Bulkhead. *Yes*

Can each Boiler be used separately _____
 What clear space between top of Boiler and woodwork } *2 feet*
 What clear space between Funnel and woodwork } *2 feet low*
 Are Engine and Boiler Keelsons well connected fore and aft } *Yes*

Port *Newcastle* *24* day of *December* 18 *72*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~) Steam Vessel "*Hoyle*" belonging to *Louisa Mary Gillispie* is Master, *199* Tons Register, and *56* H.P. have been inspected and examined by *us* at *Wilmington Quay in Tex* and *We* found the same, in good order and safe working condition.

Marshall Osborn & Co
South Shields
 Marine Engineers.