

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at

Office,

19

Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. 34292 Port GLASGOW
sp Bingera)

No. 7006 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or~~ Castings, as herein described, manufactured by Renues Steel Casting Co of Glasgow, for the Engines No. 761/2 being constructed by McKie Baxter, of Glasgow, for the Ship No. _____, being built by _____ of _____

have been inspected by me as set forth below, and found to be, so far as can be seen, Sound

on ~~Forgings or~~ Castings.
8 Stem Tube Brackets
6 LP Pistons
3 IP Pistons
14 Levers.
One Steam Pipe

Glasgow. 2/4/14
Peter W. Cheyne

Lloyd's
No. R
M.G.

| | CRANK SHAFT. | | STRAIGHT SHAFING. | | | | |
|--------------------------------|-------------------------------|---------------|------------------------------|---------------------------------|---------------|-----------------------------|---------------|
| | CRANK SHAFT. | | CRANK SHAFT. | INTERMEDIATE SHAFTS. | | PROPELLER SHAFT. | |
| Material* ... | <u>Cast Steel</u> | | | | | | |
| How made ... | <u>Converter</u> | | | | | | |
| Dimensions ... | <u>To patterns</u> | | | | | | |
| Progress on Inspection { | <u>Before after annealing</u> | | | | | | |
| Tests on Standard Test Pieces. | <u>Tube Brackets</u> | | <u>LP Pistons</u> | <u>IP Pistons.</u> | <u>Levers</u> | <u>Pipe</u> | |
| Sample Test— | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>7</u> | <u>5</u> | <u>6</u> |
| Tons per square inch ... | <u>31.3</u> | <u>31.3</u> | <u>31.3</u> | <u>32.0</u> | <u>32.4</u> | <u>30.6</u> | <u>32.7</u> |
| Extension per cent ... | <u>20</u> | <u>29</u> | <u>30</u> | <u>34</u> | <u>30</u> | <u>33</u> | <u>34</u> |
| 180° Bending Test— | <u>180° F</u> | <u>120° F</u> | <u>180° F</u> | <u>180° F</u> | <u>180° F</u> | <u>180° F</u> | <u>180° F</u> |
| Angle before fracture ... | | | | | | | |
| Dates when Inspected | <u>22/12/13</u> | | <u>29/12/13</u> | | <u>2/1/14</u> | | |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Dropped & Hammered

Fee (if any chargeable) £ Two
To be paid at _____

Height 2-322125

* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.

Master T. Boxlin

110761/2/3



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Foundation