

T.E.V. "MONARCH OF BERMUDA".
Messrs. Vickers-Armstrong's No. 665.
Fees for survey of Machinery.

The propelling machinery consists of two turbo-alternator sets developing a total output of 15000 kilowatts; the power being supplied to four synchronous propelling motors, giving a total shaft horse power of 19000.

Auxiliary power and lighting is provided by four geared turbo-generator sets each of 750 kilowatts, giving a total output of 3000 kilowatts (=4021 S.H.P.).

Steam is supplied by eight water-tube boilers working under forced draught at 400 lbs. per square inch, and having a total heating surface of 42,200 square feet.

$$\begin{aligned} &\text{Total N.H.P. of Turbines \& Boilers as per Rule} \\ &= \frac{400 * 590}{1500} \left(\frac{19000}{6} * \frac{42200}{12} \right) = 4411 \end{aligned}$$

Fees chargeable as per scale:-

For special survey during construction:- £210. 5. 6.

First Entry:- 6. 0. 0.

£216. 5. 6.
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Scale Fee for survey of Boilers during construction at Barrow:=(N.H.P. = $\frac{42200}{15} = 2813$) £153. 3. 0.

Survey of steam turbines during construction at Erith: = $\frac{2}{5}$ of £216.5.6 = 86.10. 2.

Survey of steam turbines during installation on board at Newcastle = $\frac{1}{5}$ of £216.5.6 = 43. 5. 1.

Scale Fee for survey during construction of Electrical Machinery for propelling purposes. $\left(\frac{19000}{6} = 3167 \text{ N.H.P.} \right) = \dots\dots\dots 179. 3. 6.$

Scale Fee for survey during construction of Aux. Electric Machinery: $\left(\frac{4021}{6} = 670 \text{ N.H.P.} \right) = \dots\dots\dots 67. 0. 0.$

Survey of Auxiliary Electric Machinery during installation = $\frac{2}{3}$ scale fee in kilowatts = $\frac{2}{3}$ of £106.10.0 = 71. 0. 0.

£ 600. 1. 9.
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"MONARCH OF BERMUDA"

Allocation of Fees

London a/c

Survey of steam turbines during construction:-

$\frac{2}{5}$ of £216.5.6 £86.10. 2.

Survey of Electrical Machinery for Propelling purposes during construction:- $\frac{5}{10}$ of £179.3.6 89.11. 9.

Survey of Auxiliary Electrical Machinery during construction 67. 0. 0.

243. 1.11.

Glasgow a/c

Survey of Boiler Headers and Mud Drums:-

$\frac{1}{5}$ of £153. 3. 0 £76.11. 6.

Barrow a/c

Survey of Boilers during assembly:-

$\frac{1}{3}$ of £76.11.6 £25.10. 6.

Survey of Straight Shafting during construction:-

$\frac{2}{10}$ of £179.3.6 £35.16. 8.

61. 7. 2.

Sheffield A/c

Survey of Boiler Drum Forgings:-

$\frac{1}{3}$ of £76.11.6 £25.10. 6.

Survey of Alternator & Motor Shafts at

Birmingham:- $\frac{1}{10}$ of £179.3.6 £17.18. 4.

43. 8.10.

Newcastle a/c

Survey of Boilers during installation on board:-

$\frac{1}{3}$ of £76.11.6 £25.10. 6.

Survey of Steam Propelling Machinery during installation:- $\frac{1}{5}$ of £216.5.6. £43. 5. 1.

Survey of Electric Propelling Machinery during installation:- $\frac{1}{5}$ of £179.3.6 £35.16. 9.

Survey of Auxiliary Electrical Machinery during installation:- $\frac{2}{3}$ of £106.10.0 £71. 0. 0.

£ 175.12. 4.

TOTAL FEES:- £.600. 1. 9.

L.H.
A.L.
17/8/31.

