

- F. Eng'rs & crew aft. 59 lts. each of 24 C.P. Requiring a total current of 20 amps.
- G. Personnel & stores 49 lts. each of 24 C.P. Requiring a total current of 14 amps.
- H. Emergency boxes 50 lts. each of 24 C.P. Requiring a total current of 14.3 amps.
- J. Star. gear. etc. 19 lts. each of 16 C.P. ^{1-33 C.P.} Requiring a total current of 9.5 amps.
- K. Cargo lts. 54 lts. each of 16 C.P. Requiring a total current of 27 amps.
- L. Cargo lanterns. 3 lanterns 1000 C.P. Requiring a tot. current of 15 amps.
- M. Machinery spaces. 99 lts. each of 16 C.P. Requiring a tot. current of 49.5 amps.

... candle power requiring a total current of 14 Amperes

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DESCRIPTION OF INSULATION, PROTECTION, ETC.—continued.

Are they in places always accessible yes

What special protection has been provided for the cables in open alleyways or where exposed to weather or moisture Piping.

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Lead cov^d & steel armoured.

What special protection has been provided for the cables near boiler casings Lead cov^d & steel armoured.

What special protection has been provided for the cables in engine room Lead cov^d & steel armoured.

How are cables carried through beams. Beams bushed with fibre. through bulkheads, &c. Gland if W.T. otherwise Fibre.

How are cables carried through decks in Iron deck pipes bushed with Fibre.

Are any cables run through coal bunkers no or cargo spaces yes or spaces which may be used for carrying cargo, stores, or baggage yes

If so, how are they protected Lead cov^d & steel armoured, covered over with steel plate.

Are any lamps fitted in coal bunkers or spaces which may at times be used for cargo, coals, or baggage yes, in Baggage Room

If so, how are the lamp fittings and cable terminals specially protected in strong steel guarded pendants.

Where are the main switches and cut outs for these lights fitted Switches at stairway to Baggage Rm. Fuses in Box at port passage. Upper

If in the spaces, how are they specially protected ✓

Are any switches or cut outs fitted in bunkers no

Cargo light cables, whether portable or permanently fixed Permanently How fixed in strong wood casing.

In vessels fitted on the single wire system, how is the dynamo terminal fixed to the hull of vessel through earth terminal fixed to dynamo base plate.

How are the returns from the lamps connected to the hull Screwed to 3/8" tinned brass tap screws, in beams, etc.

Are all the joints with the hull in accessible positions yes.

The installation is _____ supplied with a voltmeter and _____ an amperemeter, fixed on S.W.B. for each machine.

VESSELS BUILT FOR CARRYING PETROLEUM.

In vessels built for carrying petroleum, are all switches and cut-outs fitted in positions not liable to the accumulation of petroleum vapour or gas _____

Are any switches, cut outs, or joints of cables fitted in the pump room or companion _____

How are the lamps specially protected in places liable to the accumulation of vapour or gas _____

The copper used is guaranteed to have a conductivity of _____ per cent. that of pure copper.

Insulation of cables is guaranteed to have a resistance of not less than 2500. megohms per statute mile after 24 hours' immersion in seawater.

The foregoing statements are a correct description of the Electric Light installation fitted by us on this vessel and we declare that it is at this date in good order and safe working condition.

Harland & Wolff Electrical Engineers Date 28 Aug. 14.

COMPASSES.

Distance between dynamo or electric motors and standard compass 140ft to Dynamo 30 ft to nearest motor

Distance between dynamo or electric motors and steering compass 153 ft to Dynamo. 63 ft to nearest motor.

The nearest cables to the compasses are as follows:—

A cable carrying	<u>14</u>	Amperes	<u>42</u>	feet from standard compass	<u>4</u>	feet from steering compass
A cable carrying	<u>40</u>	Amperes	<u>35</u>	feet from standard compass	<u>60</u>	feet from steering compass
A cable carrying	<u>15</u>	Amperes	<u>42</u>	feet from standard compass	<u>4</u>	feet from steering compass

Have the compasses been adjusted with and without the electric installation at work at full power yes

The maximum deviation due to electric currents, etc., was found to be nil degrees on all course in the case of the standard compass and nil degrees on all course in the case of the steering compass.

HARLAND & WOLFF Ltd.

S. Phueber Builder's Signature. Date 28. 8. 14.

GENERAL REMARKS.

This installation is of good description, and has been fitted in accordance with the Rules

It is submitted that this vessel is eligible for THE RECORD. Elec. light. J.W.D. 5/9/17

R. F. Beveridge Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute _____

REPORT FORM No. 13-2m34.

THE SURVEYORS ARE REQUESTED TO WRITE ACROSS THIS MARGIN

