

Rpt. 13.

No. 40332

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

-5 NOV 1929

Date of writing Report 4:11: 1929 When handed in at Local Office 4 Nov 1929 Port of HULL

No. in Survey held at Hull Date, First Survey 14 Oct Last Survey 31 Oct 1929

Reg. Book. 10802 on the Steam Trawler "DROMIO" (Number of Visits 4)

Built at Beverley By whom built G. H. Nelson &amp; Co. Yard No. 528 Tons { Gross 379.92 Net 143.34 When built 1929

Owners Hull Northern Fishing Co. Ltd Port belonging to Hull

Electric Light Installation fitted by Wm Brady &amp; Sons Ltd Contract No. When fitted 1929

## System of Distribution

Two wire

Pressure of supply for Lighting 100 volts, Heating ✓ volts, Power ✓ volts.

Direct or Alternating Current, Lighting Direct current Power -

If alternating current system, state frequency of periods per second -

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off Yes

Generators, do they comply with the requirements regarding rating Yes, are they compound wound Yes

are they over compounded 5 per cent. Yes, if not compound wound state distance between each generator -

Where more than one generator is fitted are they arranged to run in parallel - is an adjustable regulating resistance fitted in series with each shunt field Yes

Are all terminals accessible, clearly marked, and furnished with sockets Yes, are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes

Are the lubricating arrangements of the generators as per Rule Yes

Position of Generators Starboard side of engine room

is the ventilation in way of the generators satisfactory Yes, are they clear of all inflammable material Yes

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators

and - are the generators protected from mechanical injury and damage from water, steam or oil Yes

are their axes of rotation fore and aft Yes

Earthing, are the bedplates and frames of the generating plant efficiently earthed Yes, are the prime movers and their respective generators in metallic contact Yes

Main Switch Boards, where placed Bridge generator in engine room

If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard ✓

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes Yes

are they protected from mechanical injury and damage from water, steam or oil Yes, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards ✓ and ✓

are they constructed wholly of durable, non-ignitable non-absorbent materials Yes, is all insulation of high dielectric strength and of permanently high insulation resistance Yes

with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework -

and is the frame effectively earthed Yes

Are the fittings as per Rule regarding: - spacing or shielding of live parts

Yes, accessibility of all parts Yes, absence of fuses on back of board Yes, proportion of omnibus

ars Yes, individual fuses to voltmeter, pilot or earth lamp Yes, connections of switches Yes

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches. S.P. Linked

switch for generator. Each outgoing circuit controlled by S.P.

switches - protected by fuses on each pole.

Instruments on main switchboard one ammeters one voltmeters - synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Earth lamps, with separate switches

Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules Yes

Main Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule Yes



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All Conductors are of annealed copper conforming to British Standard Specification No. 7.  
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.  
The foregoing is a correct description.

WM. BROADY & SON,  
ENGLISH STREET,  
HULL.

Electrical Engineers.

Date 28<sup>th</sup> Oct. 1929

#### COMPASSES.

Distance between electric generators or motors and standard compass 68 feet.  
Distance between electric generators or motors and steering compass.  
The nearest cables to the compasses are as follows:—  
A cable carrying 5 Amperes To feet from standard compass feet from steering compass.  
A cable carrying 5 Amperes To feet from standard compass feet from steering compass.  
A cable carrying Amperes feet from standard compass feet from steering compass.  
Have the compasses been adjusted with and without the electric installation at work at full power. Yes  
Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted. Yes  
The maximum deviation due to electric currents was found to be 10 degrees on any course in the case of the standard compass, and 10 degrees on any course in the case of the steering compass.

COOK, WELTON & GEMMELL, LTD.,

Alfred Spivack Builder's Signature.  
Secretary & Director

Date 1 Nov. 1929

Is this installation a duplicate of a previous case. Yes If so, state name of vessel: Benelac

General Remarks (State quality of workmanship, opinions as to class, etc.) The electrical installation of this vessel has been fitted on board under special survey, tried under full working conditions & found in good order. It is eligible in my opinion to have record of 'Electric Light'

It is submitted that  
this vessel is eligible for  
THE RECORD.

Electric Light

J. B. 7/11/29

Total Capacity of Generators 6 Kilowatts.

The amount of Fee ... £ 3 : 0 :  
When applied for, 4 Nov. 1929.  
When received, 12.11.29

Travelling Expenses (if any) £ :

John Shacklady  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 8 NOV 1929

Assigned

Electric Light

Im. 127.—Transfer.  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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