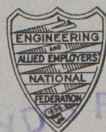




J. & E. HALL, LTD



Established 1785.



ENGINEERS AND FOUNDERS.
MAKERS OF REFRIGERATING MACHINERY.
LICENSEES OF THE LANZ PERLIT IRON PROCESS.
CONTRACTORS TO H.M. AND FOREIGN GOVERNMENTS.

Telegrams: - HALLFORD. DARTFORD.
HALLFORD. PHONE. LONDON.
(two words)
Telephones: - DARTFORD 3456 (thirteen lines).
LONDON. MANSION HOUSE 9811.
(five lines).
Codes Used: - A B C (5th & 6th), BENTLEY'S.
SCOTT'S AND WESTERN UNION.
London Office: - 10, ST. SWITHIN'S LANE, E.C. 4.

LOYD'S REGISTER
Received
25 AUG 1939
Amtd.

Dartford Ironworks,
Kent.

WE GUARANTEE TO SUPPLY A NEW PART, F.O.R. DARTFORD, FREE OF CHARGE, FOR ANY PART WHICH WITHIN SIX MONTHS OF DELIVERY IS FOUND TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP, IF RETURNED CARRIAGE PAID TO DARTFORD. THIS DOES NOT APPLY TO PARTS DAMAGED BY IMPROPER LUBRICATION, MISUSE OR NEGLECT, NOR TO ACCESSORIES NOT MANUFACTURED BY US. WE DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONSEQUENCES OF LABOUR DISPUTES, FIRES, ACCIDENTS AND OTHER UNFORESEEN CONTINGENCIES EXCEPT ACCIDENTS TO OUR WORKMEN WHOM WE INSURE. OUR STAFF DRIVE MOTOR VEHICLES ONLY AT OWNERS' RISK AND RESPONSIBILITY.

The Secretary,
Lloyd's Register of Shipping,
71 Fenchurch Street,
London, E.C. 3.

YOUR REF.

OUR REF. FJP/493.

DATE 24th August 1939.

Dear Sir,-

Refrigerating Machinery for Motor Vessel being
built for the Blue Star Line Limited by Burmeister
and Wain, Copenhagen.
Their vessel No. 646.

We have contracted to supply a refrigerating installation for the above vessel for which your Society's Refrigerating Machinery Certificate is required. The vessel is being built at Copenhagen while the refrigerating machinery is being installed and insulation fitted in the vessel at a Shipyard on the Tyne.

The refrigerating installation consists of two separate units each having a pair of CO2 compressors bolted to and driven direct from the crankshaft of a four-cylinder vis-a-vis diesel oil engine of The Brush Electrical Engineering Company's manufacture, each unit having its own

W292-0046 (113)

J. & E. HALL, LTD.

No. 2 Sheet.

Date. 24.8.39.

The Secretary,
Lloyd's Register of Shipping.

CO2 condensers and evaporators, the cooling of the holds being performed in the usual way by means of grids and air cooling batteries with brine circulation and suitable pumps and distributing connections.

The inspection of the CO2 compressors and other parts is at our Works while the makers of the diesel oil engines, The Brush Electrical Engineering Co. Ltd., Falcon Works, Loughborough, who are sub-contractors to us, which engines will be direct coupled to the compressors, will arrange with you for the inspection of their engines at their Works and after installation on the vessel.

The brake horsepower and speed of each oil engine is 275 BHP. at 250 r.p.m.

The approximate insulated cargo capacity to which we are working for each vessel is about 609,000 cu.ft.

As regards the insulation, this is being carried out under a separate contract, as to which you will no doubt receive direct instructions.

When we were dealing with two generally similar installations in 1938 for the same Owners, i.e. "Wellington Star" and "Auckland Star", Messrs. Harland & Wolff's Nos. 1016 and 1017, we wrote to you on the 2nd September 1938 enclosing request forms with reference to the apportionment of your

J. & E. HALL, LTD.

No. 3 Sheet.

Date. 24.8.39.

The Secretary,
Lloyd's Register of Shipping.

fees, to which you replied on the 10th September 1938 as follows :-

- (1) Refrigerating Machinery Contractors .. £24. per ship.
- (2) Oil Engine Builders £34. for 2 ships.
- (3) Insulators £16. per ship.

"I am directed to point out, however, that the fee chargeable for the survey of the oil engines, viz. £34. does not cover any fees and expenses in connection with work which may be sub-contracted by The Brush Electrical Engineering Co. Ltd. elsewhere."

We assume for the present vessel that the fees would be as under :-

- (1) Refrigerating Machinery Contractors £24.
- (2) Oil Engine Builders £17.
- (3) Insulators £16.

the fees for the oil engines being exclusive of any fees and expenses in connection with work which may be sub-contracted by The Brush Electrical Engineering Co. Ltd. elsewhere.

We shall be glad if you will confirm that the same arrangement and apportionment of fees will obtain for the present vessel or inform us of any modification proposed.

We have pleasure in enclosing your request form duly filled in covering the machinery for this vessel.

Yours faithfully,

J. & E. HALL, LTD

J. Wells
DIRECTOR

W292-0046(3/3)

The Secretary,
Lloyd's Register of Shipping.

less, to which you replied on the 10th September 1938 as

follows :-

- (1) Refrigerating Machinery Contractors .. £24. per ship.
- (2) Oil Engine Builders .. £24. for 2 ships.
- (3) Insulators .. £16. per ship.

"I am directed to point out, however, that the fee chargeable for the survey of the oil engines, viz. £24. does not cover any fees and expenses in connection with work which may be sub-contracted by The Brush Electrical Engineering Co. Ltd. elsewhere."

We assume for the present vessel that the fees

would be as under :-

- (1) Refrigerating Machinery Contractors .. £24.
- (2) Oil Engine Builders .. £24.
- (3) Insulators .. £16.

the fee for the oil engine being exclusive of any fee and expenses in connection with work which may be sub-contracted by The Brush Electrical Engineering Co. Ltd. elsewhere.

We shall be glad if you will confirm the arrangement and apportionment of fees with regard to the present vessel or inform us of any alterations proposed. We have pleasure in enclosing your invoice for the work done on the 10th September 1938.

Referred to the Chief Engineer Surveyor

(25 AUG 1938)



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Lloyd's Register
Foundation