

S.S. "ROTHER" (No. 82396 in Register Book).

This vessel has been requisitioned by the Ministry of War Transport for the carriage of frozen meat.

The installation has not been classed previously with this Society, the vessel being engaged formerly in the carriage of dairy produce between the Baltic and this country, and the Owners now desire a Refrigerating Machinery Certificate.

Only one unit of refrigerating machinery is employed, and it is understood that the vessel will be engaged on voyages to Iceland.

Additional brine piping is being fitted in the holds, and plans of the arrangement, together with original plans of the insulation and CO<sub>2</sub> machinery have been received from the Liverpool Surveyors.

Alterations to the insulation are being made, similar to those in the case of S.S. "DON", for which vessel alterations have been approved.

The Liverpool Surveyors also state that the only modification made to the existing CO<sub>2</sub> machine is the fitting of a new compressor rod and stuffing box, and whilst alternative means of circulating water through the gas condenser have been provided, no spare brine pump is being fitted. It is considered that in view of the extended service of the vessel, a standby brine pump should be carried as additional spare gear.

IT IS SUBMITTED the Liverpool Surveyors be informed that the contents of their letter of the 20th instant have received careful consideration.

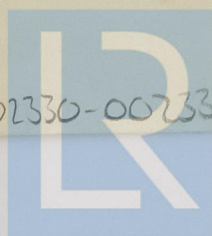
It is noted that additional insulation, similar to that for S.S. "DON", is being fitted in Nos. 2 and 3 Holds, and this is in order. The details of the original machinery and insulation plans have been noted and are such as could be accepted, whilst the plans of additional brine piping merit approval provided the new piping be tested by hydraulic pressure to the Surveyors' satisfaction and the remaining requirements of the Rules for Refrigerating Machinery and Appliances be complied with so far as they are applicable.

A cooling-down test should be carried out, and particulars of the subsequent rises in temperature should be noted.

It is understood that the vessel will be engaged on voyages to Iceland, and in view of the extended service, it is considered that in addition to the items of spare gear required by Section 4, Clause 1, of the Rules for Refrigerating Machinery and Appliances, a standby brine pump should be carried, it being noted that two independent means for circulating water through the gas condenser have now been provided.

If circumstances do not permit the supply at present of this item of spare gear, arrangements should be made for it to be supplied at an early date, and the certificate will be endorsed accordingly.

Further, since only one refrigeration unit is employed, and in view of the service in which the vessel will now be engaged a special notation is desirable.



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001330-002339-00212

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A suitable notation would be "For War Emergency Service", and provided the requirements of a full periodical survey be complied with in all respects, the arrangements of brine piping and insulation be found in accordance with the plans, the additional brine piping be tested in accordance with the requirements of the Rules, to the Surveyors' satisfaction, the temperature rises obtained subsequent to the cooling-down test be satisfactory and an additional brine pump be supplied, the record of "R.M.C." (with date and the above notation but without the distinguishing mark +) could be assigned.

Retain Photostat copies of original plans (6).  
Return Plans of Additional Brine Piping and Machine. (4)

*W. Greenwell.*

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28.8.41.