

M.V. "HIGHLAND MONARCH"

Refrigerating Installation.

This new vessel, which has a refrigerated cargo capacity of 547,000 cubic feet, is noteworthy as being the first large vessel in which the refrigerating machinery is direct coupled to Diesel Engines.

In other cases where the prime movers are oil engines the power is transmitted to the refrigerating machinery through electric motors.

In the "HIGHLAND MONARCH" there are two separate refrigerating units, each consisting of two ammonia compressors, direct coupled to a four cylinder, four stroke, single acting horizontal Diesel Engine, having cylinders $16\frac{1}{2}$ " diameter and 24" stroke of piston. Each unit has two ammonia condensers and two evaporators.

The complete installation has been subjected to exhaustive tests with satisfactory results.

J. R. H.
5. 10. 28. *R. J.*



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