

COPY.

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

4 Enclosures.

17th June, 1930.

Dear Sirs,

Reverting to your letter of the 6th instant
and to the call at this Office of your Mr. Clagg respecting
the proposal to sub-divide No.2 lower hold of the S.S. "NEW
COLUMBIA" into two tanks for the carriage of palm oil in bulk,
it is noted that the tanks are approximately 35 feet in length,
a centre line bulkhead is not proposed to be fitted, but a
deep quarter girder is arranged on each side of the ship;
also a new intermediate bulkhead is to be fitted and the
existing bulkheads at the extremities of the tank will be
reinforced as necessary.

A deep tank is already fitted in the ship abaft
the engine space and oil fuel tanks and a reserve hold
between the proposed new tank and the boiler room bulkhead,
and in view of this concentration of loading amidships, it
is considered that the shelter deck should be additionally
stiffened by means of girders under the deck.

With regard to the omission of the centre line
bulkhead in the new tank, I am directed to state that this
will be approved, provided the hatchways and ventilators be of

sufficient capacity to take up the expansion of the oil, and a letter be furnished stating that when oil cargo is carried the free surface of the oil will not fall below the bottom of the hatchways and pipes when the vessel is at sea.

The single riveting of the boundary bulkheads and the crown of the tank will also be approved for the carriage of vegetable oil, provided the Society's Surveyors are satisfied that the tanks after testing under water pressure are satisfactory, and sparring or lining be fitted to the bulkhead in the cargo hold.

If oil fuel may be carried in the double bottom under the proposed new tanks, the seams of the inner bottom plating and the margin angle should be double riveted, or alternatively the single riveting may be reinforced by electric welding, provided you are satisfied as a result of your own experience, or that of the Shipbuilders or Repairers, that electric welding may be safely employed, and provided it be done by an approved system by competent workmen to the satisfaction of the Society's Surveyors.

The flash point of the oil must be above 150° F. and the requirements of Section 20 of the Rules should be complied with where applicable.

On completion of the alterations and on receipt of a satisfactory report from the Society's Surveyors, the notation in the Register Book will be amended as follows:-

"Carrying Vegetable Oil in Deep Tanks".

One copy of each of the plans and specification forwarded by you ~~is~~ returned herewith, and I have to acquaint you that provided the arrangements be carried out as shown and amended and to the satisfaction of the Society's Surveyors, they will be approved.

The duplicates are being retained for reference.

I am, Dear Sirs,

Yours faithfully,

Secretary.

Messrs. Elder Dempster & Co., Ltd.,

Engineer's Department,

45, Sefton Street,

LIVERPOOL.



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Lloyd's Register

Foundation