

COPY.

For the information of
the Surveyors at Lon.
27.3.20.

W. Blackie

Enclosures.

Ref:- S.O.11480/1.

27th March, 1920.

Dear Sirs,

E. I duly received your letter of the 16th instant with accompanying copies of your Drawings Nos.15018A and 15039 shewing Gear Layouts for the 4,000 and 2,500 H.P. Marine Double Reduction Gears for the British Thomson-Houston Co.Ltd., and with regard thereto I beg to inform you that with double reduction geared Turbine Machinery of 4,000 S.H.P., the turbines running at 3,600 revolutions per minute and the propeller at 85, the proposed sizes of shafting, viz:- 1st reduction pinion shaft 5 $\frac{1}{2}$ " diameter at journals, the 2nd reduction pinion shaft 10" at journals and 17" between wheel and pinion, and the main gear wheel shaft 16" at journals, will be approved.

I have also to state that with similar machinery of 2,500 S.H.P., the turbines running at 3,850 revolutions per minute and the propeller at 75, the proposed sizes of shafting, viz:- 1st reduction pinion shaft 5" diameter at journals, the 2nd reduction pinion shaft 8 $\frac{1}{2}$ " at journals and 12" between wheel and pinions, and the main gear wheel shaft 15" at journals, will be approved.

COPY.

2.

The Plans forwarded are returned herewith for noting,
after which I shall be glad if you will let me have them
again for the Surveyors guidance during construction.

I am, Dear Sirs,

Yours faithfully,

Secretary.

Messrs. The Power Plant Co., Ltd.,
WEST DRAYTON,
Middlesex.



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Foundation

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