

COPY

STANDARD OIL DEVELOPMENT COMPANY

General Engineering Dept.

Elizabeth, N.J.  
July 10, 1933

Mr. C. E. Klitgaard  
Standard Shipping Co.  
26 Broadway, New York, N.Y.

Plates for SS "CHARLES PRATT"  
and SS "F. Q. BARSTOW"

Dear Sir:

The tests on samples of plates furnished by the Bethlehem Steel Company for the above ships have been completed as requested in your letter of June 16. The results obtained are tabulated below:

<u>Marking</u>	<u>Yield Point</u>	<u>Tensile Strength</u>	<u>Elong. Bend Test</u>
60C080 - C Str.	35,250 lb./sq.in.	68,700 lb./sq.in. <sup>30.7</sup>	27.1% 180° - OK
" - F Str.*	31,700 "	64,250 "	26.8 180° - OK
60C078 - F Str.	35,100 "	66,800 "	28.1 180° - OK
" - D Str.*	29,150 "	67,600 "	27.6 180° - OK
66C048 - E Str.	36,600 "	69,200 "	24.5 180° - OK
" - B Str.*	31,600 "	68,800 "	25.0 180° - OK
67C055 - B Str.	35,600 "	66,300 "	28.5 180° - OK
" - C Str.*	31,300 "	61,600 "	28.0 180° - OK
73C329 - A Str.	34,700 "	64,000 "	25.0 180° - OK
" - E Str.	35,000 "	64,300 "	26.2 165° - Laminated
74C317 - A Str.	34,000 "	62,800 "	28.1 180° - OK
" - D Str.*	31,300 "	62,100 "	29.0 180° - OK
58C-137- Keel*	30,900 "	66,000 "	26.5 180° - OK

The samples marked (\*) are below the minimum yield point of 33,000 lbs. specified in American Marine Standard H No. 74-1931 for structural steel. The bend specimen from heat No. 73C329-E Strake broke at 165°, disclosing several small laminations. However, the appearance of the fractures of the tensile specimens indicated the metal to be sound and free of any visual defects.

A copy of the Newport News Shipbuilding & Dry Dock Company's letter of July 5 to you has been received. This letter covers the five samples of which we spoke to you last week. Tests of these samples will be made as soon as definite information is received as to whether they were cut from the transverse or longitudinal direction of the plate. We understand that you are procuring this information.

Yours truly,

E. H. BARLOW

Per (sgd) F. C. Fyke

Lloyd's Register  
Foundation

W373-0153