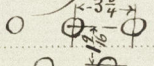
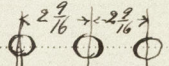



1877 Iron

Port *Elbing*, February 23rd 1877
Dec 1/19/199
 Details of Main Boilers of the Steam Ship *Lillibell No. 2* 129 tonsDiameter *9' 6 1/4" (2,900 mm)* Length *10' 5 1/16" (3,190 mm)*Thickness of shell plates *1/2" full (13 mm)*Description of riveting of longitudinal joints  of circumferential joints *single* Pitch of rivets ditto *3 3/4" x 1 9/16"* ditto *2 9/16"*Diameter of rivets ditto *1 5/16" (23 mm)* ditto *1 5/16" (23 mm)*Lap of plating ditto *3 15/16" (100 mm)* ditto *2 9/16" (65 mm)*Size of manholes in circular shell *12 5/8" x 16 9/16" (320 x 420 mm)*How compensated for *by strong welded angle iron rim* Number of furnaces in boiler *2*Diameter of furnaces *3' 0"* Length of furnaces *8' 4"*Thickness of furnace plates *1/2" bare (12 mm)*Description of joint of furnaces *single riveted*Whether strengthened with rings *by one ring* Greatest length between rings *5' 3"*Thickness of combustion chamber plating *1/2" bare x 9/16"*Diameter of screw stays to ditto *1 3/16"* pitch of stays *11 7/8" x 11 7/8"*End plates, thickness *9/16"*Diameter of longitudinal stays to end plates *1 5/16"* pitch of ditto *14 3/16" x 12 5/8"*How stays are secured *with strong inside & outside washers & nuts*Diameter of tubes *3 1/2" extl* pitch of tubes *4 9/16" x 4 9/16"*Thickness of tube plates *3/4" full (20 mm)*Stayed by *10 stays of 1 5/16" dia* pitch of staysDescription of steam receiver *no dom or receiver of any kind*

Diameter of ditto length of ditto

Thickness of plating of ditto ends

Ends, how stayed

*The boilers are of the very best material and high quality of workman**ship and are very strong**for the working pressure.*