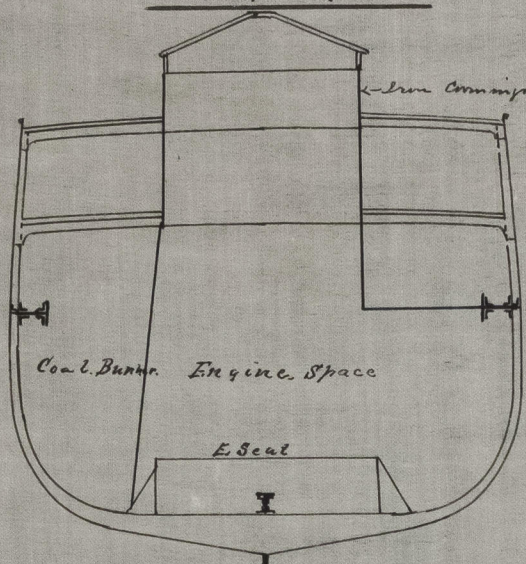
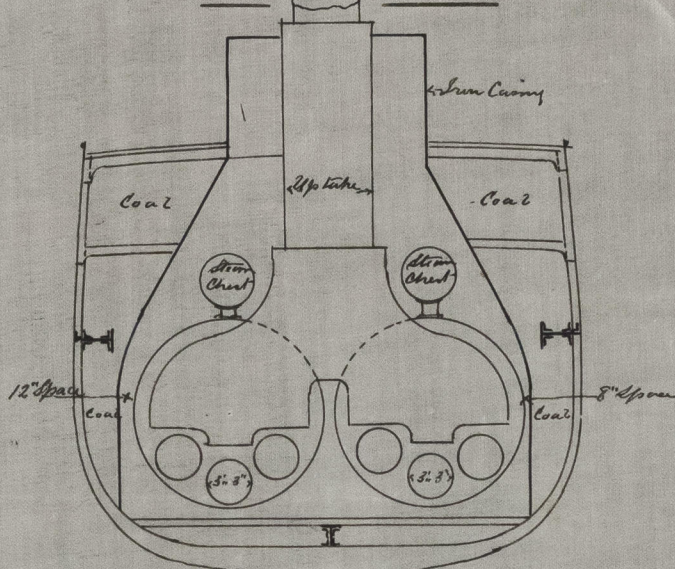


S.S. "ORCHIS"

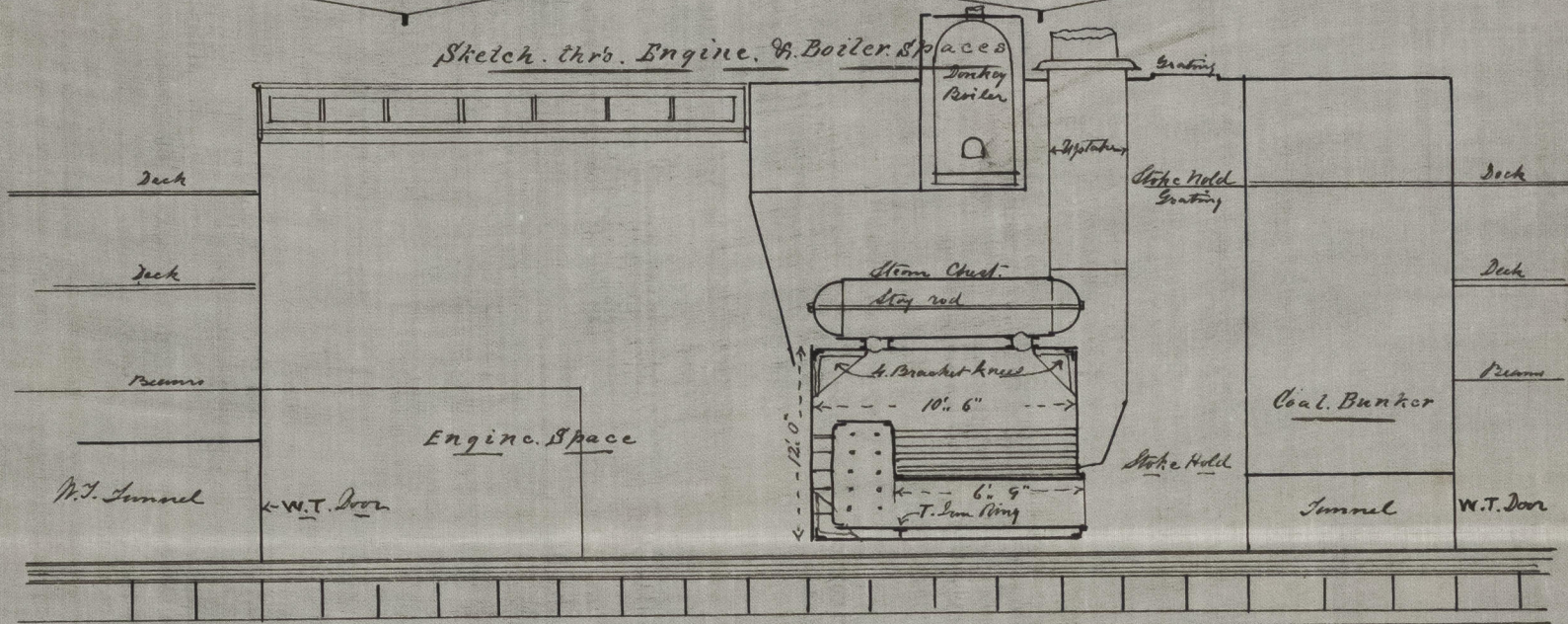
Sketch thro' Engine Space



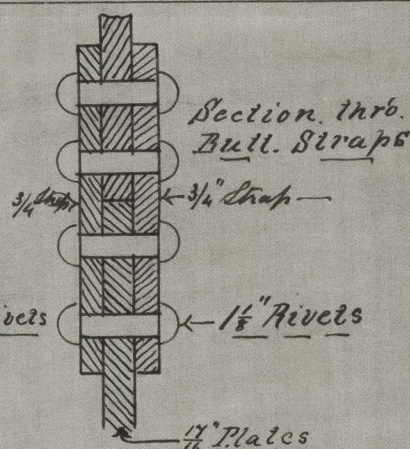
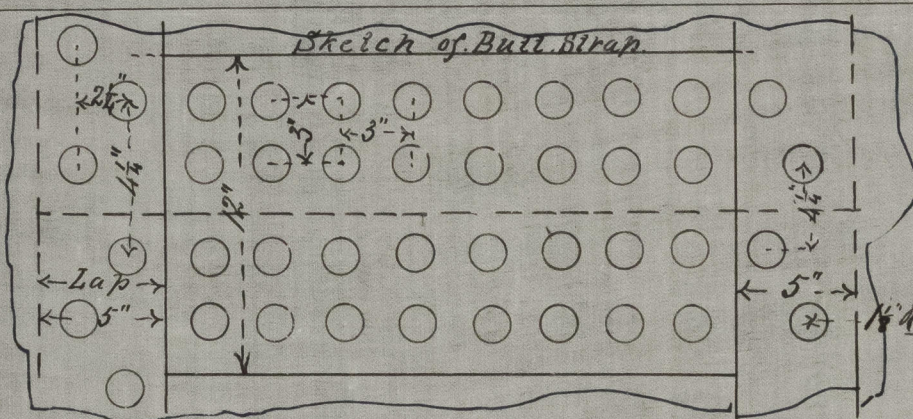
Sketch thro' Boiler Space



Sketch thro' Engine & Boiler Spaces



Sketch of Bull Strap



2 Boilers 12" 0" diam Length 10" 6" - 3 Furnaces in each 3" 3" diam 6" 9" long
 1 Steam Chest ^{to each} horizontal egg ended Length 10" 6" diam 3" 3". 2 Malleable iron
 branches to Boilers 18" x 14". 1 Stay through centre 2 1/2" diam. Capped joint. Butts double riveted
 Furnaces butted double straps. 7/8" rivets spaced 2" apart. T Iron ring riveted to bottom of
 furnace under tube plate

Thickness of Boiler shell plates 1 1/16" In. Thickness of Back 3/4" Front plates 1 3/16" In.
 -do- -do- Tube -do- 3/4" 5/8" In. -do- -do- Furnace -do- 1/2" In.
 -do- -do- Combust Chamber -do- 7/16" In. -do- of Steam Chest -do- 10/16" In.

Butts of shell plates ^{have} double straps, double riveted, edges double riveted as per sketch
 Back and front of Boiler stayed with gusset plates. 4 off at each end 3/4" thick
 3 gussets at bottom of back end, plate rings round manhole doors.
 No rings round manhole doors. These are close to flange of furnaces. ^{flange} flange rings

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Handwritten signature/initials

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