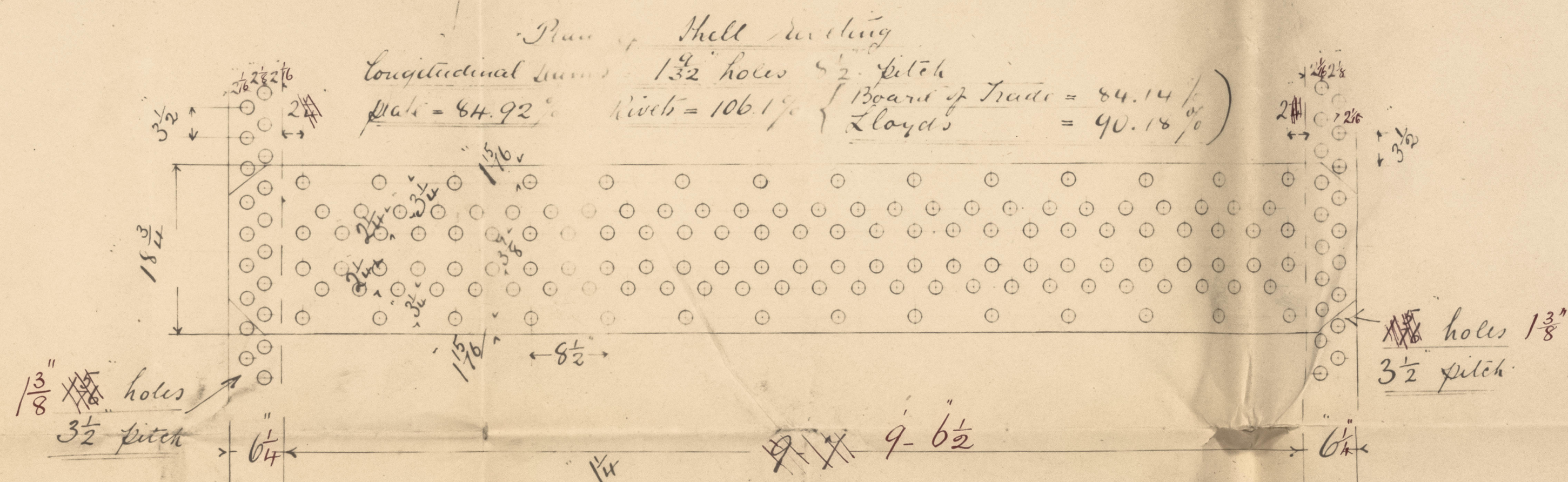
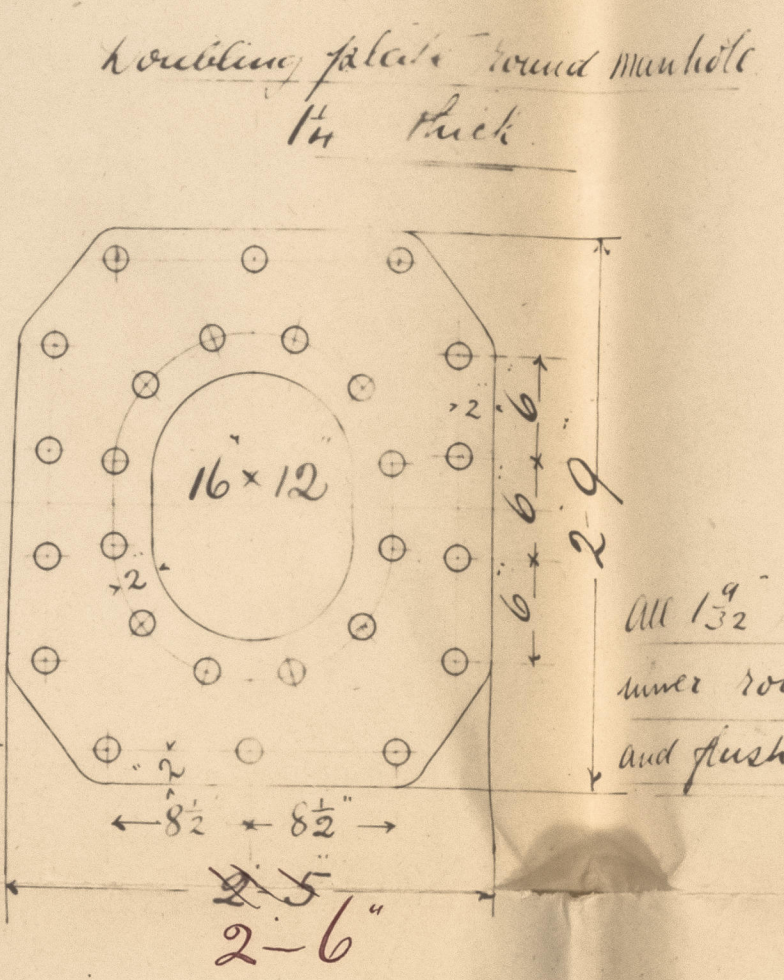


Rev.
14.11.02

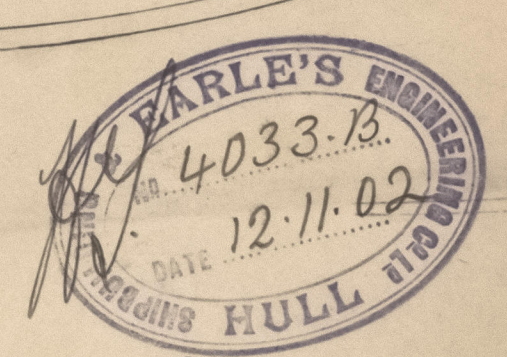
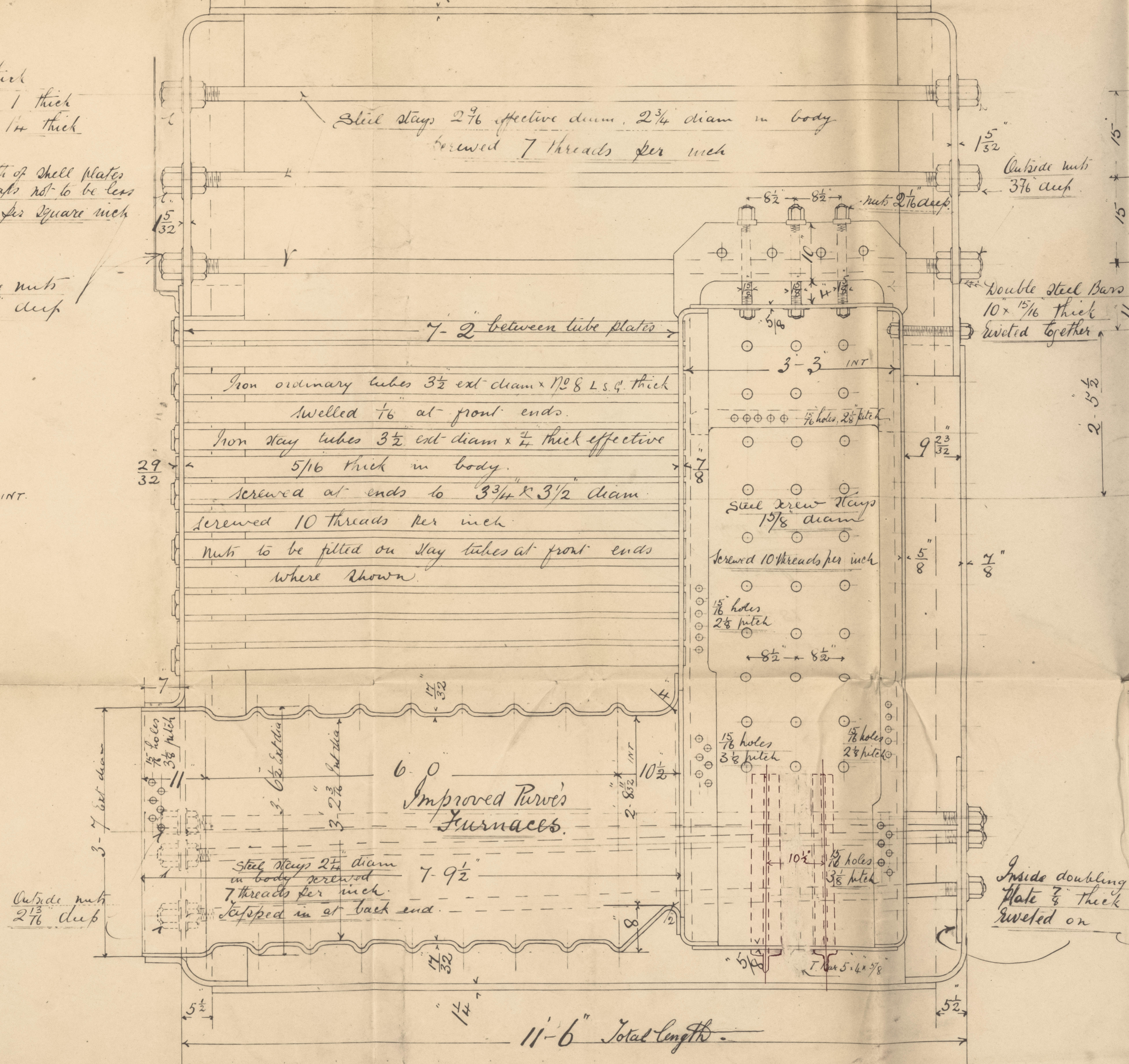
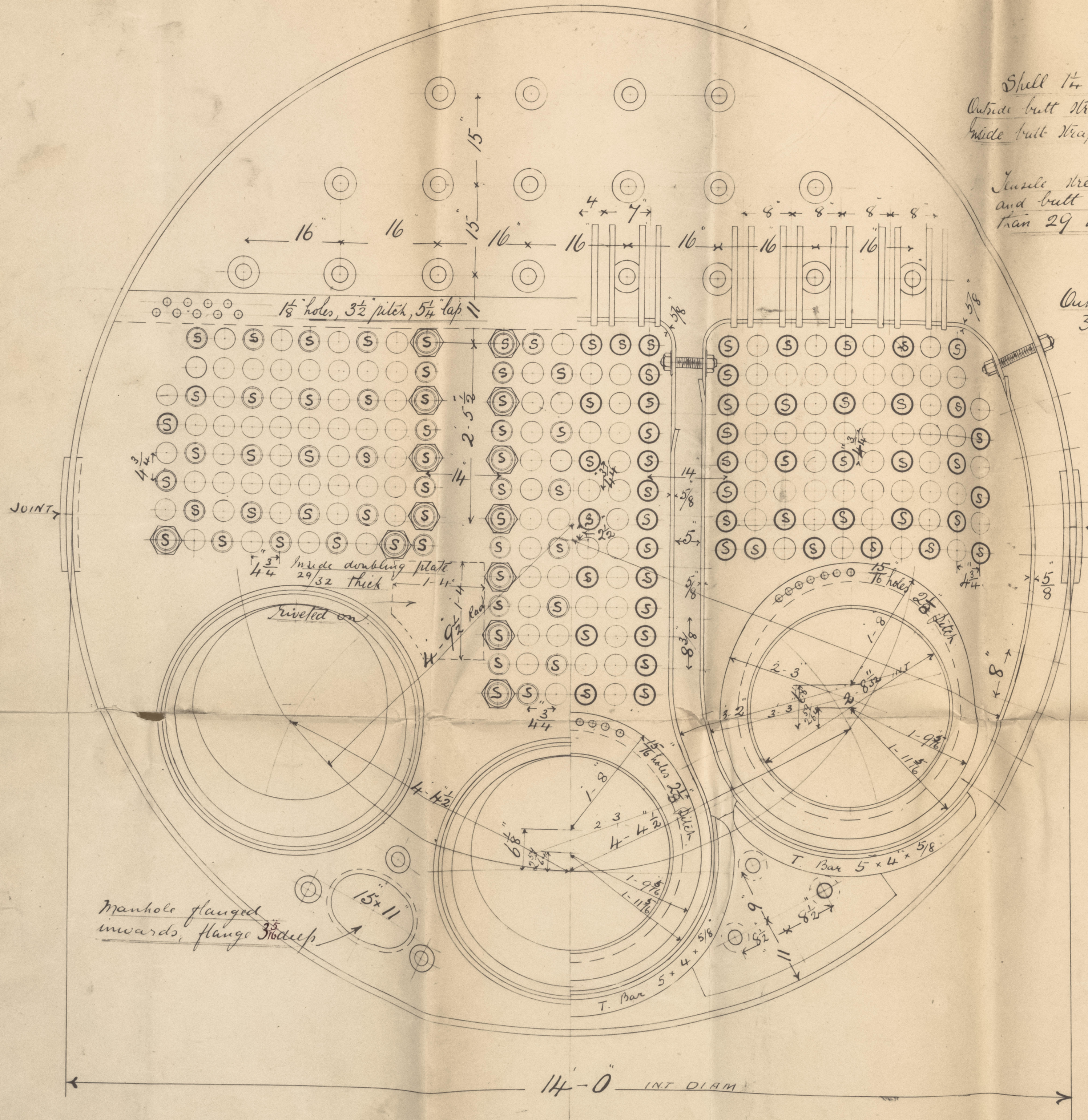
2 STEEL BOILERS No 481

WORKING PRESSURE - 180 LBS. (Boiler & Tubes & Lugs)
SCALE 1 INCH = 1 FOOT

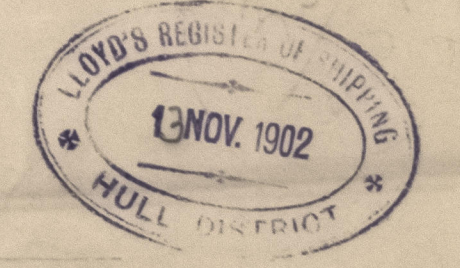
NOTE!
All rivets, rivets & stays to be of Siemens Martin steel.
The shell plates & butt straps are not to be less than
29 tons per square inch tensile strength and must
holes to be drilled in place after the plates are bent.
All flanged plates to be annealed after flanging.
The screw stays are 1 1/2" effective diam. screwed
into both plates and nutted at each end. The tubes
are of iron, the ordinary tubes are 3 1/2" ext diam
1 1/8" x 5/16" thick, the stay tubes are of iron
2 7/8" inside diameter x 1/4" thick effective & extend a
ends to 3 3/4" x 3 1/2" diam 10 threads per inch.
A manhole in shell 16" x 12" with spokes axis longitudinally
and a doubling plate 2' 9" x 2' 6" x 1/2" thick fitted round it.
All plates and stay bars made by D. Colville & Son.



	1 BOILER	2 BOILERS
LENGTH OF FIRE BARS	5'-6"	5'-6"
AREA OF FIRE GRATE	52	104
DIAM OF TUBES OUTSIDE	3 1/2"	3 1/2"
LENGTH OF TUBES	2	4-2
Nº OF TUBES	234	468
AREA THROUGH TUBES	13.8	27.6
SURFACE OF TUBES	1536	3072
TOTAL HEATING SURFACE	1945	3890
WORKING PRESSURE	180	180



No 481.



W735-0017

2 Steel main Boilers

Earle's No: 481

W.P. 180th



s/s Africa

Hull Report No. 15217

17



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