

Copy of U. S. Gov. Survey's test report.  
 ss Bristol New York SBEN 169

REPORT OF TENSILE TEST OF BOILERS FOR CONTRACT 169.

	Shell	Shell	Shell	Shell	Shell & Manhole.	Shell
Numbers on Plates.	C-4825	C-4826	C-4827	C-4828	C-4829-3	C-4830
Thickness of samples expressed in decimals of an inch.	1.446	1.450	1.443	1.448	1.452	1.442
Widths of Samples expressed in decimals of an inch.	1.610	1.735	1.642	1.653	1.656	1.641
Strain at which each sample parted.	155000	176000	162400	162000	162100	151800
Strain per square inch of section.	66600	70000	68500	67600	67400	64200
Reduced thickness of sample.	1.000	1.050	1.030	1.020	1.020	1.020
Reduced width of sample.	1.200	1.260	1.220	1.230	1.250	1.180
Reduction of area, per cent.	48.4	47.4	47	47.6	47	49.1
Length of straight part in center of test piece.	9"	9"	9"	9"	9"	9"
Elongation, percentage 8".	28.5	26.2	29	27.5	25	31



© 2020

Lloyd's Register Foundation

W137-0124(112)



REPORT OF TENSILE TEST OF BOILERS FOR CONTRACT 169, CONT'D.

Numbers on Plates.	Shell C-4831	Shell C-4832	Buttstraps C-4833-8	Buttstraps C-4834-8
Thickness of samples express- ed in decimals of an inch.	1.450	1.445	1.137	1.189
Widths of samples expressed in deci- mals of an inch.	1.648	1.750	1.645	1.660
Strain at which each sample parted.	159200	164100	128300	131800
Strain per square i inch of section.	66600	64900	68600	66800
Reduced thickness of sample.	1.020	1.030	.710	.760
Reduced width of sample.	1.180	1.220	1.150	1.200
Reduction of area, per cent.	49.6	50.4	56.4	53.8
Length of straight part in center of test piece.	9"	9"	9"	9"
Elongation, per centage 8"	28.5	26	27.5	27.5



© 2020

Lloyd's Register  
Foundation

W137-0124(212)



# PHILADELPHIA.

ss 107-151-01  
 Rpt. 2389  
 Boiler test results

Page - 8 -

## REPORT ON TENSILE TEST OF BOILERS FOR CONTRACT 125, CONT'D.

Numbers on plates.	Shell C-4831	Shell C-4832	Buttstraps C-4833-8	Buttstraps C-4834-8
Thickness of samples expressed in decimals of an inch.	1.450	1.445	1.137	1.182
Widths of samples expressed in decimals of an inch.	1.648	1.750	1.645	1.660
Strain at which each sample parted.	128300	124100	128300	121800
Strain per square inch of section.	66600	64900	68600	68800
Reduced thickness of sample.	1.020	1.030	1.710	1.760
Reduced width of sample.	1.180	1.220	1.150	1.200
Reduction of area, per cent.	49.6	50.4	56.4	53.8
Length of straight part in center of test piece.	9"	9"	9"	9"
Elongation, per centage.	28.5	26	27.5	27.5



© 2020

Lloyd's Register Foundation