

Department of Commerce and Labor

Bureau of Standards

Certificate

OF

ANALYSES OF STANDARDIZED STEEL

BESSEMER, 0.2

ANALYST.	CARBON.			SILICON.	PHOSPHORUS.	SULPHUR.		MANGANESE.
	BY DIRECT COMBUSTION.	BY SOLUTION AND OXIDATION.	COLORIMETRIC.			TOTAL BY OXIDATION.	EVOLVED AS HYDROGEN SULPHIDE.	
John R. Cain, Bureau of Standards.....		0.188		0.023	0.113	0.083	0.087	0.868
Helen Isham, Bureau of Standards.....		0.189		0.023	0.113	0.085	0.086	0.866
Booth, Garrett & Blair, Philadelphia.....	0.207	0.205		0.016	0.111	0.083	0.083	0.884
Albert W. Smith, Cleveland.....		0.217		0.016	0.118	0.072		0.911
Jones & Laughlin Steel Co., Pittsburg.....		0.213			0.114	0.089		0.900
Pennsylvania Steel Co., Steelton.....		0.190			0.114		0.088	0.930
Carnegie Steel Co., Pittsburg:								
Homestead Works.....		0.200		0.035	0.111		0.085	0.890
Duquesne Works.....		0.210	0.170		0.108		0.081	0.880
South Sharon Works.....		0.192	0.190	0.026	0.102		0.077	0.885
AVERAGE.....	0.207	0.200	0.180	0.023	0.112	0.082	0.084	0.890

Initial dimensions of bar, 55 mm. square; turned down to 25 mm. diameter; all cuts were of equal depth.

CARBON DETERMINATIONS IN THE PORTIONS USED FOR THE SAMPLE.

Number of cut.	Per cent carbon.
I	0.200
II	0.200
III	0.200

S. W. STRATTON,
Director.

Test No.

Washington, D. C.

Form 113.
BESSEMER 0.2 CERTIFICATE.