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DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
WASHINGTON

Letter
Circular
118

April 25, 1924
(Revised December 1,1923)

METALLURGICAL PUBLICATIONS

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Ref.	Pub.	Date	Author	Title
1	S 24	1905*	Burgess, G.K.	Radiation from platinum at high temperatures, 5¢. B. of S. Bull. Vol. 1.
2	S 38	1906*	Guthe, K.E. Austin, L.W.	Experiments on the Heusler magnetic alloys, 10¢. B. of S. Bull. Vol. 2.
3	S 78	1907	Burrows, C.W.	The best method of demagnetizing iron in magnetic testing, 15¢. B. of S. Bull. Vol. 4.
4	S 55	1907*	Waidner, C.W. Burgess, G.K.	Radiation from and melting point of palladium and platinum. 10¢. B. of S. Bull. Vol. 4.
5	S 62	1907*	Burgess, G.K.	Melting points of the iron-group elements by a new radiation method. 10¢. B. of S. Bull. Vol. 4
6	S 99	1908	Burgess, G.K.	Methods of obtaining cooling curves. 10¢. B. of S. Bull. Vol. 5.
7	S 109	1909	Lloyd, M.G. Fisher, J.U.S.	The testing of transformer steel, 5¢. B. of S. Bull. Vol. 5.
8	S 121	1909*	Burgess, G.K.	The estimation of the temperature of copper by means of optical pyrometers, 5¢. B. of S. Bull. Vol. 6.
9	S 124	1909	Waidner, C.W. Burgess, G.K.	Platinum resistance thermometry in high temperatures, 10¢. B. of S. Bull. Vol. 6.
10	S 161	1911	Cain, J. R.	The determination of vanadium and chrome-vanadium steels, 5¢. B. of S. Bull. Vol. 7.
11	T 6	1911	Cain, J. R.	The determination of chromium and its separation from vanadium in steels, 5¢.
12	T 8	1911*	Cain, J. R. Hostetter, J.C.	A rapid method for the determination of vanadium in steels, ores, etc., based on its quantitative inclusion by the phosmolybdate precipitate, 5¢.

Ref.	Pub.	Date	Author	Title
13	T 11	1912*	Devries,R.P.	Comparison of five methods used to measure hardness, 5¢.
14	S 198	1913	Burgess, G.K.	A micropyrometer, 5¢. B. of S. Bull. Vol. 9.
15	T 24	1913	Cain, J.R. Tucker,F.H.	The determination of phosphorus in steels containing vanadium, 5¢.
16	T 33	1913*	Cain, J. R.	Determination of carbon in steel and iron by the barium carbonate titration method, 5¢.
17	S 205	1914	Burgess,G.K. Waltenberg,R.G.	Melting points of the refractory elements, I. Elements of atomic weight from 48 to 59. 5¢. B. of S. Bull. Vol.10.
18	S 222	1914	Burgess, G.K. Foote, P.D.	The emissivity of metals and oxides. I. Nickel oxide (NiO) in the ranges of 600 to 1300°C. 10¢. B. of S. Bull. Vol.10.
19	S 242	1914	Burgess, G.K. Waltenberg,R.G.	The emissivity of metals and oxides. II. Measurements with the micropyrometer. 5¢. B. of S. Bull. Vol. 10.
20	T 38	1914	Crowe, J. J. Rawdon, H. S. Waltenberg,R.G.	Observations on finishing temperature and properties of rail 35¢.
21	C 31	1914		Copper wire tables, 20¢.
22		1914		Progress in the nomenclature of alloys. Trans. Am. Inst. Met. VIII, p. 96.
23	S 243	1915*	Foote, P.D.	The emissivity of metals and oxides. III. The total emissivity of platinum and the relation between total emissivity and resistivity. 5¢. B. of S. Bull. Vol. 12.
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25	S 250	1915	Burgess,G.K. Foote, P.D.	Characteristics of radiation pyrometers. 20¢. B. of S. Bull. Vol. 12.
26	S 236	1915	Burgess,G.K. Kellberg,I.N.	Electrical resistance and critical ranges of pure iron. 5¢. B. of S. Bull. Vol. 11.
27		1915	Burgess, G.K. Hadfield,R.A.	Sound ingots and rails. Trans. Am. Inst. Min. Eng. 51, p.862; Proc. Iron and Steel Inst. of Great Britain 92, No. 2, p.199.
28		1915	Burgess, G. K. Sale, P. D.	A study of the quality of platinum ware. 10¢. B. of S. Bull. Vol. 12.
29		1915	Burgess,G.K. Kellberg, I.N.	On a supposed allotropy of copper. J. Wash. Acad. 5, p.657.
30	T 53	1915	Burgess, G. K. Merica, P. D.	An investigation of fusible tin boiler plugs. 20¢. Trans. Am. Inst. Metals, 1915-21.
31		1915	Merica, P.D. Woodward,R.W.	Failure of structural brass, Trans. Am. Inst. Metals, p.298.
32		1915	Haneman, H. Merica, P.D.	Magnetic studies of mechanical deformation in certain ferromagnetic metals and alloys, Bull. Am. Inst. Chem. Eng. p. 2371.
33	S 266	1916	Cain, J. R. Schram, E. Cleaves,H. E.	Preparation of pure iron and iron-carbon alloys, 10¢. B. of S. Bull. Vol. 13.
34	S 69	1916*	Cain, J. R. Cleaves, H. E.	Determination of carbon in steels and iron by direct combustion in oxygen at high temperatures, Jour. Wash. Acad. Sci. 4, p. 393.
35		1916		A test of a surface combustion furnace, Jour. Ind. & Eng. Chem. 8, p. 361.
36		1916	Rawdon, H. S. Cain, J. R.	Report on ladle-test steel ingots. Proc. A. S. T. M. Vol. 16, p. 129.

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38		1916	Rawdon, H. S.	Note on the occurrence and significance of twinned crystals in electrolytic copper, Am. Inst. Met. Vol. 10, pp.198-207.
39		1916	Burgess, G.K.	Thermometry, pyrometry and heat conductivity. Standard Handbook for Electric Engrs.
40		1916	Burgess, G.K.	Some problems in physical metallurgy at the Bureau of Standards, Jour. Frank. Inst. 182, p. 19.
41	S 280	1916	Burgess, G. K. Waltenberg, R.G.	Further experiments on the volatilization of platinum, 5¢.
42	T 81	1916	Burgess, G. K. Merica, P. D.	Some foreign specifications for railway materials; rails, wheels, axles, tires. 25¢.
43	S 272	1916	Burrows, C. H.	Correlation of the magnetic and mechanical properties of steel, 15¢. B. of S. Bull. Vol. 13.
44	T 59	1916	Karr, C. P. Rawdon, H. S.	Standard test specimen of zinc bronze (88Cu-10Sn-2Zn) 25¢.
45	T 83	1916	Merica, P. D.	Failure of brass: II. Effect of corrosion on ductility and strength of brass. 5¢.
46	T 84	1916	Merica, P. D. Karr, C. P.	Failure of brass. III. Initial stresses produced by the "burning in" of manganese bronze. 5¢.
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48	T 82	1917*	Merica, P.D. Woodward, R.W.	Failure of brass. I. Microstructure and initial stress in wrought brass of the type 60 per cent copper and 40 per cent zinc. 25¢.
49	T 90	1917 *	Merica, P. D.	Structure of coating on tinned sheet copper in relation to a specific case of corrosion. 5¢.

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51	C 66	1917		Standard samples of thermometric fixed points. 5¢.
52	T 91	1917	Burgess, G. K.	Temperature measurements in Bessemer and open-hearth practice, 5¢.
53		1917	Woodward, R.W. Hanison, T.R.	Notes on the thermocouple nichrome constantan, Chem. Met. Eng. 16, p. 647.
54	T 97	1918	Rawdon, H. S.	Some unusual features in the microstructure of wrought iron, Trans. A. I. M. M. E. 58, p.493.
55	T 103	1918 *	Rawdon, H. S.	Typical cases of the deterioration of Muntz metal by selective corrosion, Am. Inst. Metals 11, 12, p. 148.
56		1918		Copper. Chem. Met. Eng. 18, p. 121, 193, 503, 357.
57	C 76	1918	Merica, P. D.	Aluminum and its light alloys, 20¢. Chem. Met. Eng. 19, p.135, 200, 329, 587, 635.
58	C 67	1918		Combined tables of sizes in the principal wire gages. 5¢.
59		1919	Cain, J. R. Rawdon, H.S.	Report of ladle-test ingot investigation, Appendix of Report of Com. A-1, A.S.T.M. 19 (1), p. 154.
60	S 350	1919	Cain, J. R.	Equilibrium conditions in the system carbon, iron oxide, and hydrogen in relation to the Ledebur method for determining oxygen in steel. 5¢. B. of S. Bull. Vol. 15.
61		1919	Cain, J. R. Maxwell, L.C.	Rapid determination of carbon in steel by the barium-carbonate titration method, Jour. Ind. & Eng. Chem. 10, p. 520.

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63	T 126	1919	Cain, J. R. Pettijohn, E.	Study of the Goutal method of determining carbon-monoxide and carbon-dioxide in steels, 5¢.
64	T 141	1919	Cain, J. R. Maxwell, L. C.	Electrolytic resistance method for determining carbon in steel, 5¢. Jour. Ind. & Eng. Chem. 11, p. 852.
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67	C 80	1919	Rawdon, H. S. Finn, A. F. Grossman, M. A.	Protective metallic coatings for the rust-proofing of iron and steel, 20¢. (revised 1922) Chem. Met. Eng. 20, p. 458, 530, 591.
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69		1919	Rawdon, H. S.	Microstructure of flaky steel. Bull. A. I. M. E. No. 146, p. 183-201, 792, 804, 969-79; Trans. A.I.M.M.E. 62, p. 246 (1920).
70	S 337	1919	Merica, P. D. Waltenberg, R.G. Freeman, J.R.Jr.	Constitution and metallography of aluminum and its light alloys with copper and magnesium, 10¢. Vol. 15, B. of S. Bull. Bull. A.I.M.E. 151, p. 1031.
71	S 347	1919	Merica, P. D. Waltenberg, R.G. Scott, H.	Heat treatment of duralumin, 10¢. Bull. A.I.M.E. 150, p.913, B. of S. Bull. Vol. 15.

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73	T 129	1919	Merica, P. D. Guervich, L.J.	Notes on graphitization of white cast iron upon annealing, 5¢. Bull. A.I.M.E. 151, p. 1063; Trans. A.I.M.M.E. 62, p. 509.
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75	T 139	1919	Merica, P.D. Karr, C.P.	Some tests of light aluminum casting alloys. The effect of heat treatment. A.S.T.M. 19, (2), p. 298.
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80		1919	Waidner, C.W. Burgess, G.K.	Metals for pyrometer standardization. Bull. A.I.M.E. 152, p.1511.
81	C 35	1919		Melting points of chemical elements and other standard temperatures, 5¢.

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84	T 109	1919	Burgess, G. K. Woodward, R.W.	Conservation of tin in bronzes, bearing metals and solders, 5¢. Trans. A.I.M.M.E. 60, p.162.
85		1919	Burgess, G. K.	Recent metallurgical work at the Bureau of Standards, Blast Furnace and Steel Plant Vol.III, (1), pp.130-131 and (2) pp.195-197.
86		1919	Gurevich, L.J. Wickers, E.	Comparative tests of Palau and Rhotanium ware as substitutes for platinum laboratory utensils Jour. Ind. & Eng. Chem. 11, p.5[illegible]
87		1919	Gurevich, L. J. Hromatko, J.S.	Tin fusible boiler plug manufacture and testing, Bull. A.I.M.E., 152, p. 1351.
88		1919	French, H. J.	Manufacture and properties of light wall structural tubing, Bull. A.I.M.E. 153, p.1855; Trans. A.I.M.M.E. 62, p.305, (1920).
89		1919	Staley, H.F. Karr, C.P.	Physical properties of certain lead-zinc bronzes. Bull. A.I.M.E. 153, p. 2485.
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100		1920	Woodward, R. W.	Recent developments in light aluminum alloys. Report of U. S. Advisory Committee for Aeronautics 6, p. 35.
101		1920	Woodward, R. W.	Discussion of stresses set up by cold rolling. Proc. A.S.T.M. 20 (2), p. 38.
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111	T 179	1920	Rawdon, H. S. Groesbeck, E.C. Jordan, L.	Electric arc welding of steel: I. Properties of the arc fused metal. 15¢.
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115	LC 149	1920	Rawdon, H. S.	Welding practice.
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118		1920	French, H. J.	Some applications of alloy steels in the automotive industry. A. S. M. E. Wash. Sec. Mar. 30.
119	S 370	1920	Scott, H.	Critical ranges of some commercial nickel steels. 5¢. B. of S. Bull. Vol. 16; Bull. A. I.M.E. 158, Sec. 16; Trans. A. I. M. M. E. 67, p. 100 (1922)
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131		1921	Rawdon, H. S.	Fusion welding-a new use for castings. Disc. of fusion welding. Yearbook Am. Iron & Steel Inst. p. 340-348.
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133		1921	Rawdon, H. S.	Macroscopic examination of metals, Chem. Met. Eng. 24; p. 385-7.
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135		1921	Rawdon, H. S.	Effects of metallic structure upon properties. Chem. Met. Eng. 24, p. 523-7.
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142		1921	French, H. J.	Elements of the heat treatment of steel. Am. Mach. 55, p. 907, 960.
143		1921	French, H. J.	Artificial seasoning of steels. Chem. Met. Eng. 25, p. 155; Am. Mach. 55, p. 768.
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147	T 205	1921	French, H. J.	Tensile properties of some structural alloy steels at high temperatures, 5¢. Trans. Am. Soc. Steel Treat. 11, p. 409.

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150	C 42	1921		Metallographic testing 5¢.
151	T 203	1921	Groesbeck, E. C.	The effect of phosphorus upon the microstructure and hardness of low carbon open-hearth steels. 10¢.
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R 17	Forged tools	05¢
R 20	Steel barrels and drums	05¢
R 21	Brass lavatory and sink traps	05¢
R 23	Plow bolts	05¢
R 26	Steel re-enforcing bars	05¢
R 28	Sheet steel (revised)	05¢
R 30	Terneplate	05¢
R 35	Steel lockers	05¢
R 58	Classification of iron and steel scrap	05¢

Iron and Steel Scrap Specifications, Metals Utilization Committee, Division of Simplified Practice, Department of Commerce.

Specifications Promulgated by the Federal Specifications Board.

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89	Manganese bronze ingots (for remelting)
90	Pig tin
91	Slab zinc (spelter)
116	Phosphor-tin
117	Pig lead
118	Phosphor copper
119	Silicon copper
120	Ingot copper
128	Foundry pig iron
134	Aluminum ingot
135	Ferro-vanadium
138	Ferro-manganese
139	Ferro-chrome
140	High test gray iron castings (semi-steel)
141	Gray iron castings
142	Manganese ore
143	Ferro-molybdenum
144	Ferro-titanium
145	Ferro-silicon
170	Steel castings
171	Ship chain
172	Bronze castings
173	Aluminum bronze ingots (for remelting)
174	Welding wire, iron and steel
239	Heavy rust preventive compound
242	Wrought iron pipe (welded-black and galvanized)
269	Rods, welding non-ferrous for gas welding
286	Brass castings to be brazed
287	Tubing, copper, seamless, and pipe, copper, seamless standard iron pipe size
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