

Price List

Recent Bureau Publications - To Supplement Letter Circular 118

Following on Next Three Pages.

<u>No.</u>	<u>B. S. Pub. No.</u>	<u>Price</u>
		<u>1923</u>
1	Sci. 452	15 cents
2	" 463	15 "
3	" 464	10 "
		<u>1924</u>
4	" 484	05 "
5	" 483	05 "
6	" 488	10 "
7	Tech. 258	15 "
8	Circ. 101	40 "
9	Tech. 263	20 "
10	" 260	10 "
11	Circ. 58	10 "
12	Tech. 275	05 "
13	M. 62	05 "
14	Tech. 252	10 "
15	Tech. 257	10 "
16	Circ. 100	40 "
		<u>1925</u>
17	Tech. 261	10 "
18	" 267	10 "
19	Sci. 497	15 "
20	Tech. 281	10 "
21	" 285 (in press)	15 "
22	" 288 " "	10 "
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Sup.Let.Circ.118.
July 15, 1925.

Recent Bureau Publications

To Supplement Circular 118, Publications

from the

Division of Metallurgy

April 23, 1924 - July 15, 1925.

<u>No.</u>	<u>Title</u>	<u>1923</u>	<u>Author</u>	<u>B.S.Pub. No.</u>
1	Structure of martensitic carbon steels and changes in microstructure on tempering.		H.S.Rawdon S. Epstein	*S452
2	Preparation and properties of pure iron alloys, II. Magnetic properties of iron alloys.		W.L.Cheney	S463
3	Preparation and properties of pure iron alloys, III. Effect of Mn on structure of Fe-C alloys.		H.S.Rawdon F.Sillers,Jr.	S464
		<u>1924</u>		
4	Preparation and properties of pure iron alloys, IV. Critical ranges of Fe-C alloys by the thermoelectric method.		J.F.T.Berliner	S484
5	Investigations on Pt metals, IV. Determination of Ir in Pt alloys.		R. Gilchrist	S483
6	Thermal expansion of molybdenum		P Hidnert, W.B.Gero	S488
7	Strength of steel tubing under combined column and transverse loading.		T.W.Greene	T258
8	Physical properties of materials, I. Strengths and related properties of metals and woods.		(2d. ed., re- vised) S.N.Petrenko	C101

* Note:-

C = Circular
S = Scientific Paper
T = Technologic Paper
M = Misc. Pub.

9	Tangent modulus and strength of steel columns in tests.	C.H.Basquin	T263
10	Tests of some girder hooks.	H.L.Whittemore A.H.Stang.	T260
11	Invar and related nickel steels.	(2d ed., re- vised) E.C.Groesbeck	C 58
12	Design of specimens for short-time fatigue tests.	L.B.Tuckerman C.S.Aitchison	T275
13	Table of Brinell hardness numbers	S.N.Petrenko	M 62
14	The nick-bend test for wrought iron	H.S.Rawdon, S.Epstein	T252
15	Development of a method for measurement of internal stress in brass tubing.	R.J.Anderson, E.G.Fahlman (Work of Bur.Mines)	T257
16	Nickel and its alloys	(2d.ed., re- vised) E.C.Groesbeck	C100

1925

17	Influence of S, O, Cu and Mn, on red-shortness of iron.	J.R.Cain (Res.Assoc.)	T261
18	Effect of hot-rolling conditions on the physical properties of a carbon steel.	J.R.Freeman, Jr A.T.Derry.	T267
19	Thermal expansion of aluminum and its alloys.	P.Hidnert.	S497
20	Malleability and metallography of nickel	P.D.Merica, R.G.Waltenberg (Res. Assoc.)	T281
21	Release of internal stress in brass tubing.	R.J.Anderson E.G.Fahlman (work of Bur.Mines)	T285 in press

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|----|---|--------------------------------|---------------------|
| 22 | Comparative cold-rolling tests of open-hearth steel strip (deep drawing stock) and electrolytic iron strip. | J.R.Freeman, Jr.
R.D.France | T288
in
press |
| 23 | Impact and slow-bending notched bar tests | S.N.Petrenko | T289
in
press |

Mimeographed Reports.

- | | | | |
|----|---|--|----------------------|
| 24 | Reports to the gage steel committee, Nos. 15, 16, 17, 18, 19. | H.Scott
1924-1925. | |
| 25 | Initial corrosion losses of specimens buried in soil. | K.H.Logan
Feb.1925. | |
| 26 | 1st Progress report on "abnormal" steel. | H.S.Rawdon,
S.Epstein
May, 1924. | |
| 27 | Sources of information and data on properties of metals and alloys. | M.G.Lorentz.
April 1925. | Ltr.
Circ.
164 |
| 28 | Publications of the Division of Metallurgy. | M.G.Lorentz
April 1924. | Ltr.
Circ.
118 |

Outside Publications.

- | | | | |
|----|---|---|--|
| 29 | Mercury poisoning from electric furnaces
Jour. Ind. Eng. Chem. 16, 1924, 898. | L.Jordan
W.P.Barrows | |
| 30 | Electroplating worn machine-gun barrels
Army Ordnance <u>5</u> , 1924, 503. | W.W.deSveshnikoff
H.E.Haring. | |
| 31 | Carburization as a factor in the erosion of machine gun barrels.
Army Ordnance <u>5</u> , 1925, 794. | W.W.deSveshnikoff | |
| 32 | Notes on corrosion testing by different immersion methods.
Trans. Am. Electrochem. Soc. <u>46</u> , 1924, 359. | H.S.Rawdon,
A.I.Krynitsky. | |
| 33 | Types of apparatus for testing corrosibility of metals.
Proc. Am. Soc. Test. Mat., <u>24</u> (2)
1924, 717. | H.S.Rawdon,
A.I.Krynitsky,
W.H.Finkeldey. | |

- 34 Deterioration of some metals in hot, reducing, ammonia gases. J.S.Vanick
Proc. Am. Soc. Test. Mat., 24, (2) (work of Fixed
1924, 348. Nit.Res.Lab.at
Bur.Standards)
- 35 Available data on properties of irons and steels at various temperatures. H.J.French
Proc. Am. Soc. Test. Mat., 24 (2) W.A.Tucker.
1924, 56.
- 36 Effect of impurities on compressive strength and hardness of babbitt metals at normal and elevated temperatures. J.R.Freeman, Jr.
Proc. Am. Soc. Test. Mat., 24 (2) P.F.Brandt.
1924, 253.
- 37 Notes on some endurance tests of metals. H.W.Gillett,
Proc. Am. Soc. Test. Mat., 24, (2) E.L.Mack (work
1924, 476. of Bur.Mines).
- 38 Reports of joint committee on investigation of phosphorus and sulphur in steel. G.K.Burgess,
Proc. Am. Soc. Test. Mat., 24, (1) Chairman.
1924, 96, 108, 185.
- 39 Metallographic study of welded rails, included in Progress Report No.3. H.S.Rawdon,
Committee on Welded Rails. S.Epstein.
Jour. Am. Weld. Soc. 4, 1925, 90.
- 40 Classification and testing of molding sands, included in committee reports. C.M.Saeger, Jr.
Trans. Am. Foundrymen's Assn. 32 (2)
1925, 121, 232.
- 41 Quenching properties of glycerin and its water solutions. H. Scott.
Trans. Am. Soc. Steel Treat. 6,
1924, 13.
- 42 Quenching diagrams for carbon steels in relation to some quenching media for heat-treatment. H.J.French,
O.Z.Klopsch.
Trans. Am. Soc. Steel Treat. 6, 1924
251.
- 43 The present status of magnetic analysis. R.L.Sanford.
Trans. Am. Soc. Steel Treat. 5, 1924
577.

- 44 Report of soil corrosion investigation K.H.Logan.
Am. Foundrymen's Assn. 1925, preprint
No. 447.
- 45 Corrosion of underground pipe lines K.H.Logan.
Chem. Met. Eng. 31, 1924, 1011.
- 46 Measuring metal's resistance to shock R.G.Waltenberg
Chem. Met. Eng. 31, 1924, 657. (Res. Assoc.)
- 47 The malleability of nickel P.D.Merica
Am. Inst. Min. & Met. Eng. preprint R.G.Waltenberg
1398-E, Jan. 1925. (Res. Assoc.)
- 48 Effect of severe cold-working on H.S.Rawdon,
scratch and brinell hardness. W.H.Mutchler.
Trans. A.I.M.M.E. 70, 1924, 342.
- 49 Molybdenum, cerium and related alloy H.W.Gillett,
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- 50 Chemistry in Industry, vol. I, Chap. H.W.Gillett.
13, Non-ferrous metallurgy.
The Chemical Foundation, 1924.
- 51 Chemistry in Industry, vol. II, Chap. W.Blum
12, Electroplating and electro-forming
The Chemical Foundation, 1925 (in press)
- 52 Mechanical meaning of hardness numbers S.N.Petrenko
Mech, Eng. 46, 1924, 926.
- 53 Gages, a key problem G.K.Burgess.
Jour. Soc. Auto. Eng. 16, 1925, 456.
- 54 Physical properties of dental materials. W. Souder.
Jour. Am. Dental Assn. May, 1925.
- 55 Physical properties of dental materials, R.L.Coleman, Jr.,
vol. II, Wrought gold alloys. (Res. Assoc.)
Jour. Am. Dental Assn. May, 1925.
- 56 Note, observations on the "hydrogen H.S.Rawdon,
point" in iron. P.Hidnert.
Phys. Rev. 25, 1925, 898.
- 57 Note, observations on the transformation H.S.Rawdon,
in austenitic steel as induced by cooling F.Sillers, Jr.
in liquid air.
Phys. Rev. 25, 1925, 898

- 58 Micro-hardness. Report to Sub-Comm. V of E-4, A.S.T.M. H.S.Rawdon
Preprint No. 18, Am. Soc. Test.Matls. ~~F-31~~
1925.
- 59 Written discussion on Poluskin paper - H.S.Rawdon
metallographic planimeter.
Am. Inst. Min. & Met. Eng. Sep.
1454-E, June 1925, 36.
- 60 Written discussion on Hibbard paper - H.W.Gillett
melting temperature of steel.
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- 61 Written discussion on Honda and Yamada S.J.Rosenberg
paper - wear of metals.
British Inst. Metals, 1925, (in press).
- 62 Written discussion on Krivobok and Romig A.I.Krynitsky
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- 63 Written discussion on Malinorsky paper - A.I.Krynitsky
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Am. Ceramic Soc. (in press).
- 64 Written discussion on Jasper paper - H.J.French
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A.S.T.M. 1925, (in press).
- 65 Written discussion on Bain paper - H.Scott
nature of martensite.
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- 66 Written discussion on Bain paper - H.S.Rawdon
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Tr. Am. Inst. Min. & Met. Eng. 70, 1924, 37.
- 67 Periodic structural regularities in spectra W.F.Meggers
as related to the periodic law of the chemical
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