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 支那福建省の石炭 T. S. 生(二十三頁)
- The Foundry; Vol. 47, No. 319. (Mar.)**
 How to cool Castings to prevent Distortion.
 by M. H. Potter. 1½ pp.
 An Oxidized Case prevents Growth in Gray Iron.
 by J. E. Hurst. 2 pp.
 Paving the Way for the Guns. 6 pp.
 How the Engineer can save Foundry Labor.
 by E. S. Carnan. 8 pp.
 Avoiding Evils of the Cauliflower Pouring Head.
 by R. R. Clarke. 3 pp.
- Attaining production on liberty Motor Crank-
 case Castings. 3 pp.
 An Easy Method for determining Metal Mixtures.
 by H. L. Campbell. 3 pp.
- The Foundry Trade Journal; Vol. 21, No. 206. (Feb.)**
 Manufacture of Steel Castings by Various Processes.
 by D. D. MacGuffie. 5 pp.
 High Grade Malleable Castings. 4 pp.
 Standardisation of Foundry Practice.
 by S. W. Wise. 3 pp.
 Diffcult Steel Castings. 1 pp.
 Castings used in Ship Construction. by B. Shaw and
 J. Edgar. 4 pp.
- Foundry Trade Journal; Vol. 21, No. 205. (Jan.)**
 Manufacture of "Semi-Steel" Shells. 5 pp.
 The Possibilities of a Cheap Microscope.
 by H. S. Kipling. 2½ pp.
 Manufacture of Ferro-Molybdenum. 1 p.
 Production of Solid Steel Ingots. 1 p.
 Oil Furnace for melting Pig Iron. 1 p.
 Electric Steel and Forging Industry. 1 p.
 Recent Development of Electric Steel Furnace.
 by F. J. Moffett. 2 pp.
 Use of Pulverised Coal. 1 p.
 Seasoned Silica Brick from Roof of a Basic Open-
 Hearth Furnace after 135 charges. 1 p.

- by C. S. Graham. 3. pp.
- Fuel Oil in Metal Melting. 2. pp.
- Mechanical Gas Producer. 2½. pp.
- The Blast Furnace and Steel Plant, Vol. 7, No. 2.** (Feb.)
- The Japanese Iron and Steel Industry. 7. pp.
- Existing By-Product Coke Oven enlarged. 4. pp.
- Having Furnaces and Annealing Furnaces. 4. pp.
- by W. Trinks. 4. pp.
- Steel Plant Industrial relations studied. 3½. pp.
- Principles of Open-Hearth Furnace Design. Part III. 3. pp.
- by Ch. H. F. Bagley. 3. pp.
- A Review on the Use of Powdered Coal. 3. pp.
- by W. O. Renkin. 3. pp.
- The Blast Furnace and Steel Plant; Vol. 7, No. 3.** (Mar.)
- Chinese Blast Furnace Iron conversion. 2. pp.
- by C. T. Huang. 1. pp.
- The Blast Furnace as a Gas Producer. 2. pp.
- Novel Plate turnover for Tandem Mill. 1. p.
- Improvement made in Gas Reversing Valve. 1. p.
- Does Forging increase Specific Density? 1. p.
- by H. E. Doerr. 4. pp.
- Heating Furnaces and Annealing Furnaces. 3. pp.
- by W. Trinks. 3. pp.
- Present American Acid Bessemer Process. 3. pp.
- by R. S. McCaffery. 3. pp.
- Manganese Alloys in Open Hearth Practice. 5. pp.
- by S. L. Hoyt. 3. pp.
- International Influence on Steel Industry. 3. pp.
- by L. W. Alwyn Schmidt. 3. pp.
- Practical Pointers on Heating Furnaces. 3. pp.
- by G. J. Hagan. 2. pp.
- Investigation of Gases occluded in Steel. 2. pp.
- by Th. Baker. 4. pp.
- Raw Material; Vol. 1, No. 1.** (Mar.)
- Steel Manufacture in Electric Furnaces. 4. pp.
- by H. L. Hess. 6. pp.
- The Metallurgy of Electric Furnace Steel Processes. 3. pp.
- by E. B. Lindemuth, 3. pp.
- Notes on Deep Metal Drawing 4. pp.
- Brass World; Vol. 15, No. 2.** (Feb.)
- Some Principles involved in Melting Metals—3. 3. pp.
- by Ch. Vickers. 4. pp.
- Monthly Bulletin of the Canadian Mining Institute; No. 82.** (Feb.)
- The Production and Uses of Stellite. 4. pp.
- by S. B. Wright. 11. pp.
- Iron Deposits on the Belcher Islands, Hudson Bay. 11. pp.
- by E. S. Moore. 11. pp.
- Bulletin of the American Institute of Mining Engineers. No. 147.** (Mar.)
- Manganese Ore Deposits in Cuba. 11. pp.

by E. F. Burchard. 5. pp.
 A Metallographic Investigation of Transverse-
 fissure Rails with Special reference to High-
 phosphorus Steels. 5. pp.
 by G. F. Constock.

Bulletin of the American Institute of Mining

Engineers. No. 146. (Feb.)

Effect of Rate of Temperature Change on
 Transformations in an alloy Steel. 11 pp.
 by H. Scott.
 A Volute Aging Break. by H. M. Howe and
 E. C. Groesbeck. 2. pp.
 Microstructural Features of Flaky Steel. 19. pp.
 by H. S. Rawdon.
 Flaky and Woody Fractures in Nickel-Steel Gun
 Forgings. by Ch. Y. Clayton and
 F. B. Laney. 35. pp.
 Use of Manganese Alloys in Open-hearth Practice.
 by S. L. Hoyt. 13. pp.
 Basic Refractories for the Open Hearth. 19. pp.
 by J. S. McDowell and R. M. Howe.
 Path of Rupture in Steel Fusion Welds. 28. pp.
 by S. W. Miller.
 Static, Dynamic, and Notch Toughness. 13. pp.
 by S. L. Hoyt.
 Davidson Process of Casting formed Tools.

by J. E. Johnson. 8. pp.

Prevention of Columnar Crystallization by Rotation
 during Solidification. by H. M. Howe and
 E. C. Groesbeck. 5. pp.

Production of Ferromanganese in the Blast Furnace.
 by P. H. Royster. 12. pp.

Problems involved in Concentration and Utilization of
 Domestic Low-grade Manganese Ore.
 by E. Newton. 11. pp.

Effect of Cold-Working and Rest on Resistance of
 Steel to fatigue under Reversed Stress.
 by H. F. Moore and W. J. Putnam. 14 pp.

Shimer Case-hardening Process.
 by J. W. Richards. 3. pp.

Water-cooled Equipment for Open-hearth Steel
 Furnaces. by Wm. C. Coffin. 19. pp.

Welding Mild Steel. by H. M. Hobart. 45. pp.

Effect of Temperature, Deformation, and Grain size
 on the Mechanical Properties of Metals.
 by Zay Jeffries. 4. pp.

Chemical and Metallurgical Engineering; Vol. 20,

No. 5. (Mar. 1)

Flakes in Alloy Steel. 4. pp.
 Eliminating Phosphorus and Sulphur in Electric
 Ferromanganese Furnaces. by J. Lonergan. 1. pp.

Chemical and Metallurgical Engineering;

Vol. 20, No. 4. (Feb. 15)

Influence of Temperature upon the Action of Slag upon Refractory materials. by R. M. Howe. 1½ pp.
Electric Pig Iron after the War. by R. Turnbull. 2. pp.

Chemical and Metallurgical Engineering;**Vol. 20, No. 6. (Mar. 15)**

Magnetic concentration of Pyrrhotite Ores. by J. P. Bonardi. 5. pp.
Observations on Flaky and Woody Steel. by F. Giolitti. 3. pp.

Decomposition of Metals-Recrystallization of Steel. by A. I. Krynitzky. 1. p.

Temperature Uniformity in an Electric Furnace. by J. B. Ferguson. 5½. pp.

Mining and scientific Press; Vo. 1118, No. 9.

(Mar. 1)

Concentration of Graphite Ore. by G. D. Durb. 4. pp.

Engineering and Mining Journal; Vol. 107, No. 8.

(Feb. 22)

Magnetic Iron Ore in Arizona. by S. H. Ball and T. M. Broderick. 1½. pp.

Engineering and Mining Journal; Vol. 107, No. 9.

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Iron Ore in 1918. 1. pp.

Engineering and Mining Journal; Vol. 107, No. 11.

(Mar. 15)

Converting Chinese White Iron into Foundry Pig iron 1. p.

Metal Industry; Vol. 14, No. 4. (Jan. 24)

Hardness of Soft Iron and Copper compared. by F. C. Kelley. 1½. pp.

Manufacture of Ferro-Molybdenum.

by R. M. Keeney. 1. pp.

Metal Industry; Vol. 14, No. 6. (Feb. 7)

Electrode Manufacture in Great Britain. 1. pp.

Recent Applications of the Electric Furnace. 2. pp.

Metal Industry; Vol. 14, No. 7. (Feb. 14)

Silica Refractories. by W. J. Rees. 3. pp.

The British Tungsten Industry.

by L. F. Vogel. 3. pp.

Engineering; Vol. 102, No. 2769. (Jan. 24)

The Largest Plate Rolling Mill in the World 1½. pp.

Engineering; Vol. 107, No. 2770. (Jan. 31)

The Monderville-Colombelles Iron and Steel Works.

2. pp.

Oxy-acetylene Welding. by F. Hazledine. 1. pp.

Electric Welding. by Th. T. Heaton. 6. pp.

Engineering; Vol. 107, No. 2771. (Feb. 7)

Industrial accidents in the United States Iron and Steel Industry.

3½. pp.

Ferro-Alloys by Ore smelting in Electric

- Furnaces.
- Drop-Forging Plant at Vickers River Don Works. Sheffield. 2. pp.
- Oxy-Acetylene Welding. by J. H. Davies. 2. pp.
- The Development of the Oxy-acetylene Welding and Cutting Industry in the United States. by H. Cave. 3. pp.
- Engineering; Vol. 107, No. 2773.** (Feb. 21)
- A Comparison between American and British Practice in Electric Welding. by S. V. Goodall 2. pp.
- Iron Age; Vol. 103, No. 6.** (Feb. 6)
- Pulverised Coal for Metallurgical Furnaces. by Ch. E. Longenecker. 2. pp.
- The Steel Converter Process for Foundries. by G. P. Fisher. 1. p.
- Potash Content of Blast Furnace Charges. by N. H. Gellert. 2. pp.
- Grain Limits in Heat-Treated Alloy Steels. by R. S. Archer. 2. pp.
- Iron Age; Vol. 103, No. 7.** (Feb. 13)
- Foundry and Shops of Striking Design. by Ch. Lundberg. 6. pp.
- Iron Age; Vol. 103, No. 8.** (Feb. 20)
- The Strip Mills of Trumbull Steel Co. 5. pp.
- New Way to cast High Speed Tools. 2½. pp.
- Production of Ingots and Rolled Products. 4. pp.
- Iron Age; Vol. 103, No. 9.** (Feb. 27)
- Uses of Electric Furnace in Malleable Foundry. by F. L. Prentiss. 7. pp.
- Static, Dynamic and Notch Toughness. by S. L. Hoyt. 3. pp.
- Iron Age; Vol. 103, No. 10.** (Mar. 6)
- Foundry built around a Shop Truck. 4. pp.
- Hydrogen from Ferr-silicon. 1. pp.
- Foundry Ventilation. 1. p.
- New hight on Transverse Fissures. by G. F. Comstock. 4. pp.
- A Technical Study of Acid Bessemer Steel. 2. pp.
- Slight increase of Iron and Steel Exports. 2. pp.
- Forced Draft for Hat-Blast Stoves. 2. pp.
- Iron Age; Vol. 103, No. 11.** (Mar. 13)
- Electric Heat Treatment of Gun Forgings. by C. E. Wrights 6. pp.
- Relation of the Tin to the Iron on Tin Plate. 1. p.
- British-American Co-operation in Steel. 2. pp.
- Iron Trade Review; Vol. 64, No. 7.** (Feb. 13)
- Casting Process for Cutting Tools. by J. E. Johnson. 3. pp.
- Develops New Process for Case Hardening. by J. W. Richards. 2. pp.
- Ferro-Manganese in Blast Furnaces. by P. H. Royster 5. pp.

- Checking up on Cottrell Process.
by N. H. Gellert. 3. pp.
- Japan to have Massire Roll Lathe. 1. p.
- Reversing Valve of Water-Sealed Type. 1. p.
- Iron Trade Review; Vol. 64, No. 8.** (Feb. 20)
- Progress in Blast Furnace Design.
by J. G. West. 6. pp.
- Effect of Forging on Steel Density. 1. p.
- Iron Ore Production for 1918 decreased. 1. p.
- Fight High Freight rate on Iron Ore. 2. pp.
- Production of Steel Ingots and Castings,
Finished Rolled Iron and Steel in 1917. 2. pp.
- Iron Trade Review; Vol. 64, No. 9.** (Feb. 27)
- Removing Oxide Scale by Pickling.
by E. E. Corbett. 5. pp.
- War expands Canadian Steel Output.
by Ph. Thompson. 2½. pp.
- Iron Trade Review; Vol. 64, No. 10.** (Ma. 6)
- Malleable Plant proves Versatility. 7. pp.
- Valley Plant produces Own Steel. 5. pp.
- 1918 Lake superior Ore shipments.
by R. V. Sawhill. 4. pp.
- Iron Trade Review; Vol. 64, No. 11.** (Mar. 13)
- Universal Mill Rolls ship Steel. 4. pp.
- Recent Progress of Blast-Furnace Lines.
by W. Mathesins. 2. pp.
- Modern Puddling Mill makes Debut. 2. pp.
- Develops Steel Rail for Hard service. 1. p.
- Iron and Coal Trades Review; Vol. 98, No. 2657.**
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- Snow Gas Engine Blower at Parkgate Works.
Welding. 1½. pp.
- Iron and Coal Trades Review; Vol. 98, No. 2658.**
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- Difficult Steel Castings.
Welding. ½. p.
- Economic Coking (British & American Practice
compared) 2½. pp.
- Iron and Coal Trades Review; Vol. 98, No. 2659.**
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- The Evolution of the Puddling Process.
by C. H. Desch. 2. pp.
- The Dorr thickener for Blast-Furnace Plant. ½. p.
- Iron Sheet Industry of Southern Russia. ½. p.
- British Imports and Exports of Iron, Steel and other
Metals in 1919. 1. p.
- Iron and Coal Trades Review; Vol. 98, No. 2660.**
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- Town-Gas Furnace. 1. p.
- The Evolution of the Puddling Process.
by C. H. Desch. 1. p.
- The Whitley Council and the Iron and Steel
Trades. 1. p.