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Automatic Copper-Coating of Sheets. 7. p

Iron and Coal Trades Review : Vol. 98, No. 2668.

(Apr. 18.)

Modern Coke Oven and By-product Plant. 1½ pp.

The Solubility and Stability Iron Carbide in Cast Iron.

by J. A. Holden. 1. p.

Iron and Coal Trades Review : Vol. 98, No. 2669.

(Apr. 25.)

Electric Vacuum Muffle Furnaces. 1. p.

Iron Trade Review : Vol. 46, No. 16. (Apr. 17.)

Making and Rolling Crucible Steel.

by J. D. Knox. 8. pp.

Britain developing Scrap Recovery.

by J. Horton. 2. pp.

Iron Trade Review: Vol. 64, No. 17. (Apr. 24.)

Making Pressed-Steel Reinforcing. 8. pp.

Shipping applied to Steel Plants. by C. E. Lynn. 2. pp.

Japs buy Mexico's Iron Mountain. 1. p.

Bulletin of the American Institute of Mining and

Metallurgical Engineers. No. 150. Jun.

Oxygen in Cast iron and its application,

by W. L. Stork. 6. pp.

Basic refractories for the Open hearth.

by R. M. Howe. 3. pp.

A metallographic investigation of transverse-fissure rails

with special reference to high-phosphorus streaks.

by G. F. Cornstock. 6. pp.

- Flaky and woody fractures in Nickel-steel gun forgings
 Microstructural features of Flaky steel,
 by H. Triphagen. 11. pp.
- Microstructure of Iron deposited by electric arc Welding. by G. F. Comstock. 1. p.
- Welding Mild Steel. by H. G. Nox. 5. pp.
- Water cooled equipment for open-hearth steel furnace.
 by R. M. Keeney. 3. pp.
- Static, dynamic, and notch toughness.
 by J. H. Nelson. 2. pp.
- Monthly Bulletin of the Canadian Mining Institute:
 No 85. (May).**
- A Proposed Bounty on Canadian Iron Ore.
 by F. W. Gray. 3. pp.
- The Foundry: Vol. 47, No 323. (May).**
- Obtaining Maximum Service from Crucibles.
 by A. C. Bowles. 1. p.
- Planning and Operating a Galvanizing Plant.
 by E. P. Later. 4. pp.
- Pertinent facts about Clay for Foundry Use.
 by H. F. Stahl. 2. pp.
- Using Heat Resisting Cement for Ladle Linings. 1. p.
- The Foundry: Vol. 47, No. 324. (Jun.)**
- Steel Foundry opened in Wilkes-Barre, Pa. 2. pp.
- Methods for reducing Casting Losses.
 by E. E. Leib. 1½ pp.
- New method for Determination of Phosphorus. ½ p.
- Electric Steel Castings made in Chicago Shop. 4. pp.
- Use of Displacement Blomers in Capola Practice.
 by W. Trinks. 3. pp.
- Chemical Engineering and Mining Review: Vol.
 11, No. 128. (May 5).**
- Electric Smelting of Iron Ores. by A. Stauffeld. 1½. pp.
- The Blast Furnace and Steel Plant: Vol. 7, No. 6.**
 (June).
- Mammoth Coke Plant. 8. pp.
- Electric soaking pits and furnaces.
 by T. F. Bailey. 4. pp.
- Government Steel Plant. by S. W. Stratton. 3. pp.
- How do you utilize your exhaust steam?
 by D. O. Tylee. 2. pp.
- Combustion control in mill boiler plant.
 by R. June. 3. pp.
- Economical fuel burning equipment.
 by J. G. Worker. 4. pp.
- Unigue pump house for Blast furnace. 2. pp.
- Metallurgical considerations of duplexing.
 by R. S. Mc Caffery. 2. pp.
- Modern forge plant for ordnance work.
 by C. J. Walker. 3. pp.
- Continuous pair or bar Heating furnace. 1. p.
- Continuous Annealing and Bluing furnace. 1. p.

Heating furnaces and Annealing furnaces.
by W. Trinks. 4. pp.

Methods of Blast furnace charging. by A. J. Mohr. 8. pp.

Raw Material: Vol. 1, No. 3. (May)

Safeguarding Steel Ingot production. 5. pp.

Ferro-alloys in Alloy Steel production. 5. pp.

New use for Manganese Steel in Tractors. 1. p.

Chemical & Metallurgical Engineerings Vol. 20, No. 10. (May 15).

Fundamental Principles to be considered in the Heat Treatment of Steel; by R. A. Hayward. 4½. pp.

Determination of Uranium, Zirconium, Chromium, Vanadium and Aluminium in Steel—I
by Ch. M. Johnson. 2. pp.

Metallic Coatings for Rust-proofing Iron and Steel—II.
by H. S. Bawdon, M. A. Grossman and A. N. Finn. 8. pp.

Improved form of Granular Carbon Resistance Furnace for Fusion point of Coal ash and Firebrick.
by C. H. Lovejoy.

Chemical and Metallurgical Engineering: Vol. 20, No. 11. (Jun. 1).

Temperature observations on Peating Tuenchling and Drawing of a Large Steel Forging.

by O. A. night and F. F. Hansen 2. pp.

Metallic Coatings for Rust-proofing Iron and Steel—

III. Bibliography.

by H. S. Rawdon, M. A. Grossman, and A. N. Finn. 1½. pp.

Metal Industry: Vol. 14, No. 20, (May 16).

Fused Zirconia—The New Refractory.

by A. I. Franklin. 2. pp.

The "Davon" Patent Micro-telescope and Super-Microscope. 1. p.

Engineering: Vol. 107, No. 2783 (May 2).

Steel Works Machinery 3. pp.

The Examination of Materials by X—Rays. 3. pp.

Engineering: Vol. 107, No. 2784. (May 9).

The Mechanical properties of steel. 8. pp.

Steel Works Machinery. by T. W. Hand. 2½. pp.

The X—Ray examination of Metals. By. E. Schneider. 1½. pp.

The Belgian Iron and Steel Industry during the German occupation in the Great War.
by L. Gröiner 1½. pp.

Engineering: Vol. 107, No. 2785. (May 16).

The Mechanical properties of Steel. 3. pp.

by W. H. Hatfield. 3. pp.

The examination of Materials by X—Rays. 3. pp.

Notes on Refractories. 2. pp.

Developments in Electric Iron and Steel furnaces.

by I. Bibby. 6. pp.

33 A New type of Electric furnace. by A. Sahlin. 1. p.

The Booth-Hall electric furnace, by W. K. Booth. 1. p.

The Foundry Trade Journal: Vol. 21, No. 209.

(May).

Making Cast Steel Anchor Chains.

by C. K. Brooks.

The Electric Furnace in the Foundry.

The Booth-Hall Electric Furnace.

by W. K. Booth.

A New Type of Electric Furnace, by A. Sahlin.

Large Electric Steel-melting Furnaces.

by V. Stobie.

Developments in Electric Iron and Steel furnaces.

by I. Bibby.

The Foundry from an Engineer's point of view.

by A. E. Bush.

Electric Vacuum muffle furnaces.

Silica Refractories.

The Iron Age: Vol. 103, No. 20. (May 15).

New Induction Furnace.

The Iron Age: Vol. 103, No. 21. (May. 22).

The Cast Steel ship development. by M. F. Hill.

Steel Mill Practice and Heat treating.

by A. F. Mc Farland.

Manganese Alloys in Open-Hearth Practice.

Prices on Navy Steel to be fixed Later.

The Iron Age: Vol. 103, No. 22. (May 29).

Electrically heated soaking pit. by Th. F. Bailey. 4. pp.

The American bridge Co.'s Forge Plant.

by C. J. Walker.

Non-metallic impurities in Steel.

by H. D. Hibbard.

Charging raw material into Blast Furnace.

by J. A. Mohr.

Record of American Steel in World War.

by J. G. Butler.

The Iron Age: Vol. 103, No. 24. (Jun. 12).

Old foundry replaced by New.

The Close control of Steel Processes.

British experience with Electric Steel.

American and British by-Product Coke.

The Iron Trade Review: Vol. 64, No. 20. (May 15).

Completes New Dock for Iron Ore.

British Steel Out put up 39 per cent.

• by J. Horton.

Recarburizing Steel with Molten spiegel.

Builds Sectional Heat-Treating Furnace.

The Iron Trade Review: Vol. 64, No. 21. (May 22).

Spring making on a Quantity Basis.

by F. B. Jacobs.

France given vast Mineral Stores.

by F. Mitoum

Cooling devices for Open Hearths.
by W. C. Coffin. 3. pp.

The Iron Trade Review : Vol. 64, No. 22. (May 29).

Method of Charging Blast Furnaces.

by J. A. Mohr. 3. pp.

Heating Soaking Pits electrically.

by Th. F. Baily. 3. pp.

Furnace Radiation lowered by Painting.

by J. W. Richards. 1. p.

High speed tool Steel efficiencies.

by J. O. Arnold and F. Ibbotson. 3. pp.

American Steel's part in the World war.

by I. G. Butler. 1½. pp.

Coke made from High-volatile Coal.

by F. F. Marguard. 3. pp.

The Iron Trade Review : Vol. 64, No. 23. (June 5).

Great French Steel works in ruins.

by Ch. M. Machnic. 7. pp.

Recounts damage to Belgian works. by L. Greiner. 4. pp.

Americans to build French Steel Mill. 1½. pp.

Distributing system aids Furnace yield.

by R. V. Mc Kay. 1. p.

Iron and Coal Trades Review : Vol. 98, No. 2670.

(May 2).

Handling Raw materials for Iron and Steel Works.

by W. W. Mc Cosh. 1. p.

Automatic Ore Handling Plant. 2. pp.

The Use of X—Rays in Metallurgy. 1½. pp

British Blast Furnaces of the Quarter ended March

31, 1919. 1. p.

Iron and Coal Trades Review : Vol. 98, No. 2671.

(May 9).

Modern Steel Metallurgy. by H. F. Bagley. 6½. pp.

The Molecular constitutions of High-speed Tool Steels

and their correlations with Lathe efficiencies.

by J. O. Arnold, and F. Ibbotson. 2. pp.

Improvements in the Case-Hardening Process.

by D. Hanson. 2½. pp.

The Estimation of Phosphorus in the presence of

Tungsten. by G. W. Gray and J. Smith. 1. p.

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Iron. by K. Honda. 1. p.

Deoxidation, and the influence of Lime on equilibrium

in the Acid Open-Hearth Furnace.

by B. Yaneske. 2½. pp.

Granulisation in Iron-Carbon Alloys.

by K. Tawara and G. Asahara. 2. pp.

The Acid Hearth and Slag.

by J. H. Whiteley and A. F. Halcmond. 4. pp.

Some Points in the Manufacture of Fills.

by Geo. Taylor. 4. pp.

The Manufacture and Working of High Speed Steel.

- by J. H. Andrew and G. W. Green. 3. pp.
 Use of Pulverised Coal, with special reference to its application in Metallurgy. by L. Harvey. 7. pp.
 The Carburisation of Iron at Low Temperatures. by A. Mc Cance. 1. p.
 Notes on the Liquidus in the Iron-Carbon Diagram. by G. Cesaro. $\frac{1}{2}$. p.
 The Experimental investigation of the influence of the Rate of cooling on the Hardening of Carbon Steels. by A. M. Portevin and M. Garvin. 9. pp.
 Electric Furnaces in the United Kingdom, 1918. by R. G. Mercer. 3. pp.
 Developments in Electric Iron and Steel Furnaces. by J. Bibby. 6. pp.
 The Booth-Hall Electric furnace. by W. K. Booth. 2. pp.
 Large Electric Steel Melting Furnaces. by V. Stobie. 3. pp.
 Application of Electrical Energy to the melting of Metals. by H. A. Greaves. $1\frac{1}{2}$. pp.
 Steel Rolling Temperatures. 1. p.
 British Imports and Exports of Iron, Steel and other Metals in 1919. 1. p.
- Steam Boilers. by I. S. Atkinson. 2. pp.
 Electric furnace Practice. 1. p.
The Analyst: Vol. 44, No. 518. (May).
 Estimation of Iron by Permanganate in presence of Hydrochloric acid. R. Schwarz and B. Rolles. $\frac{1}{2}$. p.
 Electrolytic estimation of Metals without the use of an external current. M. Francois. $\frac{1}{2}$. p.
 Estimation of Phosphorus in Vanadium Steel, Ferrivanadium, non-vanadium Steels, and Pig Iron. C. M. Johnson. 1. p.
- Iron and Coal Trades Review: Vol. 98, No. 2672.**
 (May 16).
 Powdered Fuel for firing Metallurgical furnaces and