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日本鑛業會誌 第三百六十六號(八月二十二日發行)

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**The Iron Age Vol. 96, No. 2 (July 8.)**

Organizing Safety Committees.

By H. A. Russell. 2 pp.

New Iron Mill Equipped to Assure Low Costs.

By O. J. Abell. 7 pp.

Neglected Phenomena in Steel Treatment.

By M. E. Leeds. 2½ pp.

Can Profits Be Made in American Graphite?

By Jonathan Bartley. 2½ pp.

**The Iron Age Vol. 96, No. 3 (July 15.)**

Designing High-Pressure Steel Valves.

By E. G. Greenman. 1½ pp.

Importance of Annealing Steel Castings. 2½ pp.

Universal Strainometer of Simple Design.

By S. H. Graf. 1½ pp.

Charpy Impact Test on Treated Steels.

By J. J. Thomas. 2½ pp.

**The Iron Age Vol. 96, No. 4 (July 22.)**

Cupola Operation for Continuous Pouring.

By J. Franklin Ervin. 2 pp.

Shells from European Battlefields. 1½ pp.

The Future of Germany's Steel Industry.

By H. H. Campbell. 2 pp.

Internal Stresses and Quenching Mediums.

By H. V. Wille. 2 pp.

**The Iron Age Vol. 96, No. 5 (July 29.)**

A Manufacturing Plant General Store.

By F. L. Prentiss. 1½ pp.

Many High Speed Tool Steels.

By Fred. C. A. H. Lantsberry. 3½ pp.

Cranes for the Machine Shop and Foundry.

By H. M. Lane. 2½ pp.

**The Iron Age Vol. 96, No. 6 (Aug 5.)**

Displaced Volume and Power in Rolling Mills.

- By Fr. Denk. 8 pp. **The Iron Trade Review Vol. 57, No. 2** (July 8.)  
Putman Machine Company's Plant. 3 $\frac{1}{4}$  pp. Fixing the Elastic Limit Standard.  
Installing Rolling-Mill Anchor Bolts. By T. D. Lynch. 3 pp.  
By Arthur Conley. 2 pp. A Modern Plant for Rolling Iron.  
New Steel Warehouse for Eastern Territory. 1 $\frac{1}{2}$  pp. By H. Cole Estep. 7 pp.  
Design and Performance of Ball Bearings. The Effects of Quenching Mediums.  
By B. D. Gray. 3 pp. By H. V. Wille. 3 pp.  
Pattern Storage Systems for Factories. **The Iron Trade Review Vol. 57, No. 3** (July 15.)  
By John G. Shirley. 2 $\frac{1}{4}$  pp. Results of Factory Standardization.  
Records for the Purchasing Departments. By Carl Bennett Anel. 6 pp.  
By H. A. Russell. 1 $\frac{1}{2}$  pp. The History of a Bad Furnace Cast.  
Commercial Production of Sound Steel. By Wallace C. Imhoff. 2 pp.  
By Emil Gathmann. 1 $\frac{1}{4}$  pp. Scientific Operation of a Cupola.  
By David Townsend. 3 pp.  
**The Iron Age Vol. 96, No. 7** (Aug 12.)  
Dissolved and Self-Generated Acetylene. Effect of Oxygen on Steel Quality.  
By M. Keith Dunham. 2 $\frac{3}{4}$  pp. By J. Allen Pickard and F. M. Potter. 2 pp.  
Hot-blast Stove Gas Burners. How Paints Prevent Electrolysis.  
2 pp. By Henry A. Gardner. 2 pp.  
Electric Production of Pig Iron or Steel.  
By Dorsey A. Lyon and R. M. Keeney. 3 pp. **The Iron Trade Review Vol. 57, No. 4** (July 22.)  
**The Iron Age Vol. 96, No. 8** (Aug 19.)  
Speeding Up Manufacture of Machine Tools. 2 pp. Develop Nation's Oldest Iron Mine.  
Machine Accounting in a Pump Works. By H. M. Roche and J. C. Stoddard. 6 pp.  
By Sidney G. Koon. 3 $\frac{1}{2}$  pp. Electric Furnace in the Foundry.  
By W. L. Morrison. 2 $\frac{1}{2}$  pp.

New Design of Morgan Gas Producer. 2 pp.  
Factors in Hardening Tool Steel.

By John A. Mathews and Howard J. Stagg, Jr. 4 pp.

**The Iron Trade Review Vol. 57, No. 5 (July 29.)**

Using Electric Ovens for Enameling 1 p.

How to Select Etching Reagents.

By O. F. Hudson. 5 pp.

Tests of Vanadium Iron Castings. 2 pp.

How to Make Good Steel Castings.

By John Howe Hall. 5 pp.

New Method of Making Sieve Tests.

By Robert H. Bassett. 1 p.

**The Iron Trade Review Vol. 57, No. 6 (Aug. 5.)**

Value of Specialization in Factory.

By Albert A. Dowd. 5 pp.

Relation of Production to Cost.

By H. L. Gantt. 1½ pp.

**The Iron Trade Review Vol. 57, No. 7 (Aug. 12.)**

Designs Ingot Mold to Exclude Pipe.

By Emil Gathmann. 2 pp.

Pointers on Rail Mill Practice.

By E. Standford. 3 pp.

New York State Rules for Foundries. 2 pp.  
Grinding Wheels for Foundry Use.

By Carl Frederick Dietz. 5½ pp.

Use of Electricity in Melting Brass.

By Dr. Herbert G. Dorsey. 2 pp.

Blast Furnace Tapping Machine. 2 pp.

**The Iron Trade Review Vol. 57, No. 8 (Aug. 19.)**

Making Sound Steel Commercially.

By Edward F. Kenney. 7 pp.

Welfare Work of the Tennessee Co.

By Lloyd Noland. 2½ pp.

Utilizes Flue Dust by Mixing with Iron. ½ p.

How Tin Plate is Made in Germany.

By Von W. Kramer. 2 pp.

By-Product Ovens for Foundry Coke.

By C. S. Lomax. 2 pp.

**The Foundry Vol. 43, No. 8 (Aug.)**

How to Make Automobile Engine Castings. 3½ pp.

New York State Rules Covering Casting Plant.

2½ pp.

Success and Failure in the Foundry.

By A. Kiefer. 1½ pp.

Shop Management and What It Means.

- By E. W. Wallbank. 1½ pp.  
Miscellaneous Stands for Use in the Foundry.  
By Allan Hill. 2½ pp.  
Chill and Shrinkage of Cast Iron.  
By R. A. Pitman. ¾ p.  
Training Embryo Foundry Leaders in School.  
By E. A. Johnson. 4½ pp.  
Modern Practice in Electrical Arc Welding.  
By John A. Randolph. 3 pp.  
A Practical Follow-Up. System for the Foundry.  
By Theo. A. St. Clair, Jr. 3 pp.  
Operating the Cupola on a Scientific Basis.  
By David Townsend. 3 pp.
- Metallurgical and Chemical Engineering Vol. 13,**  
**No. 8 (Aug.)**  
The Effect of High Ignition-Voltages on the Accuracy  
of Bomb Calorimeter Determinations.  
By Edward J. Dittus. 1½ pp.  
Possible Application of Oxygen in Metallurgy.  
By J. E. Johnson. 1½ pp.  
Vanadium from Oxide to Steel.  
By Warren F. Bleecker and Walter L. Morrison. 2¼ pp.
- Blast Furnace Plant Auxiliaries and General Arrangement (Continued from Previous Issue)  
By J. E. Johnson. 4½ pp.  
Gas Blowing Engines at the Steelton Plant of the  
Pennsylvania Steel Company. 3¼ pp.
- The Iron and Coal Trades Review Vol. 90, No. 2468** (June 18.)  
Development of the Merchant Mill in the United States.  
By Jerome R. George. 1¾ pp.  
Modern Iron and Steel Developments. 1 p.
- The Iron and Coal Trade Review Vol. 90, No. 2469**  
(June 25.)  
Control Apparatus for Steel-Mill Auxiliary Rolls. 1½ pp.  
Thermal Conductivity of Refractory Materials.  
By G. Dougill, H. J. Hodsman and J. W. Cobb. 1¾ pp.
- The Iron and Coal Trade Review Vol. 91, No. 2470**  
(July 2.)  
Notes on By-Product Coking. ¾ p.  
The Mellen Rod-Casting Machine.  
By R. C. Patterson, Junr. ¾ p.
- The Iron and Coal Trade Review Vol. 91, No. 2471**

(July 9.)

The Metal Mixer By F. C. Thompson.

2½ pp.

By-Product Coke-Oven Problems and Their Solution.

1½ pp.

The Manufacture of Pure Iron By Howard See. ½ p.

Blast Furnace Gas in Steam Production.

By S. M. Marshall.

1 p.

**The Iron and Coal Trade-Review Vol. 91, No. 2474**

(July 16.)

Coking and By-Product Installation at Victoria Works,

Ebbw Vale.

1⅓ pp.

Rail, Wheel and Axle Specifications.

2 pp.

Shrinkage Clause in Steel-Rail Specifications ½ p.

**The Iron and Coal Trade Review Vol. 91, No. 2473**

(July 23)

The Economy of Low Coke Consumption in Blast

Furnaces.

½ p.

Large Oil Extractor for Bessemer Converter Turbo-

Blower Plant.

1 p.

Notes on By-Product Coking.

¼ p.

**Engineering Vol. 100, No. 2583 (July 2. 1915.)**

Change in density of mild steel strained by compression beyond the yield-point. By Prof. F. C. Lea.

& W. N. Thomas.

2 pp.

French and German Guns,

1 p.

Diagrams of three months' fluctuations in prices of metals. 2 pp.

**Engineering Vol. 100, No. 2584 (July 9. 1915.)**

The National Physical Laboratory in 1914-15. Metal-

lurgy and Metallurgical Chemistry.

2½ pp.

Antimony and the War.

1⅓ pp.

**Engineering Vol. 100, No. 2585 (July 16. 1915.)**

Standardisation of Calorimeters.

⅔ p.

**Engineering Vol. 100, No. 2586 (July 23. 1915.)**

The Diffusion of Carbon in Iron By F. W. Adams.

2½ pp.

**Engineering Vol. 100, No. 2587 (July 30. 1915.)**

The Works of the Steel Barrel Company, Ltd. 2½ pp.

**Engineering Vol. 100, No. 2588 (Aug. 6, 1915.)**

Surface-flow Phenomena By J. Edgar Hurst. 1 p.

Electric iron ore smelting in Sweden. 2 pp.

Diagrams of three months' fluctuations in prices of metals. 2 pp.

**Revue de Métallurgie. No. 2. (Février 1915.)**

Le fer électrolytique; Sa fabrication industrielle—Ses propriétés.—Ses emplois.

Par M. L. Guillet. 13½ pp.

Quelques observations relatives au recuit des métaux.

Par M. G. Meker. 2½ pp.

Essais de dureté exécutés avec un appareil à main.

Par M. F. Turpin. 8½ pp.

**Revue de Métallurgie. No. 3. (Mars 1915.)**

Influence de l'allotropie sur la métastabilité des métaux.

Par Ernst Cohen. 22 pp.

Sur un exemple de fragilité persistante dans un acier.

Par MM. V. Bernard et A. Porteyen. 6 pp.

Le tarage des machines d'essais.

Par M. P. Breuil. 18. pp.

**Railway Gazette. Vol. 23, No. 2.**

Electric Welding in Boiler Repairs. ½ p.

**Railway Review. Vol. 57, No. 5.**

Rail Steel and Rail Breakage.

By A. W. Gibbs. 2 pp.

