

## 内外雜誌主要題目

工業雜誌 第五百九十六號(一月二十五日)

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神谷基夫 (六頁)

**Bulletin of the American Institute of Mining Engineers; No. 121.** (Jan.)

Notes on the Heat Treatment of High-Speed Steel Tools;

by A. E. Bellis and Others. 8. pp.

The Manufacture of Weldless Steel Tires for Locomotive and Car Wheels; by G. Aertsen. 5½. pp.

A Chemical Explanation of the Effect of Oxygen in Strengthening Cast Iron; by H. M. Howe. 1. p.  
Calculations with Reference to the Use of Carbon in Modern American Blast Furnaces;

by J. W. Richards. 3. pp.

**The Foundry; Vol. 45, No. 293.** (Jan.)

A Cast System for a Small Malleable Foundry;

by F. C. Moore. 4½. pp.

How to Use Titanium in Making Steel Castings;

by W. A. Janssen. 5½. pp.

Powdered Coal as a Fuel in Malleable Shops—IV.;

by J. Harrington. 1½. pp.

How Zinc-Coated Parts are Tested;

by E. P. Later. 3. pp.

**Metallurgical and Chemical Engineering; Vol. 16,**

**No. 1.** (Jan. 1.)

The Future of the Iron Blast Furnace;

by J. E. Johnson. 4. pp.

The Utilization of Waste Heat for Steam-Generating Purposes. 4½. pp.

**Metallurgical & Chemical Engineering; Vol. 16, No.**

**2.** (Jan. 15.)

An Investigation of the Brittleness produced in Steel-Springs by Electroplating;

by M. D. Thompson & C. N. Richardson. 1½. pp.

Constant-Current Closed-Circuits Arc Welding System. 1½. pp.

**The Metal Industry; Vol. 10, No. 27.** (Jan. 5.)

New Mechanical Devices and Methods for Pickling Objects before Galvanizing;

by G. Frederick. 1½. pp.

Memorandum on Tests of Hardness and Resistance so wear:—Appendix I.; by W. C. Unwin. 3½. pp.

**Bulletin of the American Institute of Mining Engineers; No. 120.** (Dec.)

A Method for Distinguishing Sulphides from Oxides in the Metallography of Steel;

by G. F. Comstock. 7¼. pp.

On Grain Growth; by H. M. Howe. 7. pp.

Erosion of Guns—The Hardening of the Surface;

by H. Fay. 15. pp.

**The Metal Industry; Vol. 9, No. 22. (Dec. 1.)**

Saturation Values for Magnetism of Ferro-Magnetic Metals, Compounds and Alloys;

by S. W. J. Smith.

3. p.

The Making of Thin-Walled Castings;

by R. S. B. Wallace.

2½. pp.

**Engineering & Mining Journal; Vol. 102, No. 26. (Dec. 23.)**

Damascus Steel from Mount Lebanon Iron Ore;

by J. F. Kellock Brown.

1½. pp.

**Metallurgical & Chemical Engineering; Vol. 15, No. 12. (Dec. 15.)**

The Determination of Nickel in Iron Ores;

by Ph. Covitz.

1¼. pp.

The Chemical & Physical Properties of Foundry Iron;

by J. E. Johnson. (concluded from page 646.)

2½. pp.

The Utilization of Waste Heat for Steam-Generating Purposes; by A. D. Pratt.

12. pp.

**The Foundry; Vol. 44, No. 292. (Dec.)**

Air Furnace Iron for Cast Car Wheels;

by Ch. V. Slocum.

3½. pp.

How Foundry Costs may be Reduced by Analysis;

by R. E. Kennedy.

6. pp.

The Gronwall-Dixon Electric Furnace;

by J. A. Crowley.

2½. pp.

Powdered Coal as a Fuel in Malleable Shops.—III.;  
by J. Harrinton.

1½. pp.

The Normal Fracture of Malleable Iron;

by E. Touceda.

2½. pp.

How a Large Machine was Repaired by Welding.

1¼. pp.

**The Journal of the Chemical, Metallurgical & Mining Society of South Africa; Vol. 17, No. 4. (Oct.)**

The Hardening & Annealing of Metals;

by Th. Turner.

6. pp.

**Monthly Bulletin of the Canadian Mining Institute; No. 57. (Jan.)**

Canadian Pig Iron, Steel and Coal in 1916.

2. pp.

The Iron and Steel Resources and Industries of Canada;

by Th. Cantley.

16. pp.

**Engineering & Mining Journal; Vol. 102, No. 27. (Dec. 30.)**

Iron Blast Furnace Slags.

1. p.

**Iron & Coal Trades Review; Vol. 93, No. 2538. (Oct. 20)**

The By-Products of Coke Making;

by W. H. Childs.

1¼. pp.

Welding Tubing by Oxy-Acetylene.

½. p.

Crude Oil for Cupola Melting.

½. p.

**Iron & Coal Trades Review; Vol. 93, No. 2540. (Nov. 3)**

Electric V. Converter Steel. 3. p.  
Gronwall-Dixon Electric Melting & Refining Furnace. 1. p.

**Iron & Coal Trades Review; Vol. 93, No. 2541.** (Nov. 10)

Refractory Materials. 3. pp.  
Grinding High-Speed Tool Steels. 1. p.

**Iron & Coal Trades Review; Vol. 93, No. 2542.**

(Nov. 17)  
Refractory Materials. 2½. pp.

**Iron & Coal Trades Review; Vol. 93, No. 2543.**

(Nov. 24)  
The Manufacture of Tungsten Powder at the Works of High Speed Alloys, Ltd. 1. p.

Coke-Fired Regenerative—Type Muffle Furnace. 1. p.  
The Manganesse Ores of the Lafayette District, Mines Genes, Brazil. 1. p.

**Iron & Coal Trades Review; Vol. 93, No. 2544.**

(Dec. 1)  
New Coal Washery, Coke Ovens and By-Products Plant at Risca Colliery. 1½. pp.  
Testing Refractory Fireclays. 1. p.

**Iron & Coal Trades Review; Vol. 93, No. 2545.**

(Dec. 8.)  
Hardness Tests. 1½. pp.  
New Iron Ore Mine of the Millom & Askrum Company.

**Iron & Coal Trades Review; Vol. 93, No. 2547.** 1. p.

(Dec. 22)  
Modernising a Basic-Bessemer Plant. 1. p.  
District Iron and Steel Trade Reports. 2. pp.

**Iron & Coal Trades Review; Vol. 93, No. 2548.**

(Dec. 29)  
The Coal, Iron and Allied Trades in 1916. 7½. pp.  
The Iron & Steel Trade in 1916. 7. pp.  
Efficiency in Coke-Oven Practice. 1½. pp.

**Iron & Coal Trades Review; Vol. 94, No. 2549.**

(Jan. 5)  
New Blowing Plant at Millom Works. 2½. pp.  
Gas-Fired Kilns at Glenboig Works. 3. p.  
The Manufacture of Manganesse Steel Castings; by W. S. McKee. 1. p.

**The Iron Trade Review; Vol. 59, No. 20.** (Nov. 16.)

Why the Duplex Process is a Success; by T. W. Robinson. 1½. pp.

How Coverings prevent Loss of Heat. 1½. pp.

**The Iron Trade Review; Vol. 59, No. 21.** (Nov. 23)

Builds World's Largest Plate Mill. 4. pp.  
Conservation of Iron Ore Resources; by C. K. Leith. 2. pp.

Modern Ideas in Heat Treatment. 3. pp.  
What's What and Why. 1. p.

Gas makes Four-inch Pipe Possible;

by H. C. Estep.

2. pp.

Burners for Blast Furnace Gas.

1. p.

**The Iron Trade Review; Vol. 59, No. 22.** (Nov. 30)

How Enameled Kitchen Ware is Made.

7. pp.

Preventing the Corrosion of Pipe;

by F. N. Speller.

3½. pp.

Phenomena of Ghosts in Forgings;

by J. O. Arnold.

4. pp.

Iron Ore Prices Advance Sharply.

3. pp.

**The Iron Trade Review; Vol. 59, No. 23.** (Dec. 7.)

Using Waste Heat for Generating Steam;

by A. D. Pratt.

6. pp.

Making the Rolling Mill Possible.

3. pp.

**The Iron Trade Review; Vol. 59, No. 25.** (Dec. 21.)

New York-Entry Port for Iron-Ore.

2. pp.

Electroplating to Eliminate Rust.

2. pp.

Unafflow Engines for Steel Mills.

by W. Trinks.

3. pp.

Tests for Endurance and Impact;

by D. J. McAdam.

3½. pp.

New Warehouse is well Equipped.

2. pp.

**The Iron Trade Review; Vol. 59, No. 24.** (Dec. 14.)

Identifying Light-Gray Inclusions;

by G. F. Comstock.

3. pp.

What's What & Why.

1. p.

Standardization of Machine Tools;

by C. G. Barth.

3. pp.

The Hardening of Gun Surfaces;

by H. Fay.

4. pp.

Warrant System in United States;

by G. H. Hull.

3. pp.

Cost Versus Up-Keep of Mill Motors;

by A. M. McCutcheon.

3. pp.

Valuation Discussed by Engineers.

5. pp.

**The Iron Trade Review; Vol. 59, No. 26.** (Dec. 28.)

How a Re-rolling Mill transforms Steel Rails.

by R. V. Sowhill.

6. pp.

The Plastic Elongation of Wire;

by A. V. De Forrest.

2½. pp.

What's What and Why.

1. p.

Roughing Out Causes Axle Failure.

4. pp.

Develops Heat-Resisting Alloy.

1½. pp.

Finish Important Improvements.

1. p.

**The Iron Trade Review; Vol. 60, No. 1.** (Jan. 4.)

Pig Iron Advance Slow in Comming;

by C. F. Williams.

2½. pp.

Domestic Demand for Steel Bars;

by G. H. Manlove.

1½. pp.

How we too many Steel Furnaces?

4. pp.

Steel Doffs Rags for Yoyal Robes;

by G. F. Creveling.

5. pp.

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| Making Alloy Steels on Big Scale.<br>Confidence Perovodes Ore Districts;<br>by R. V. Lawhill.                  | 12. pp. | <b>The Iron Age; Vol. 98, No. 22.</b> (Nov. 30.)<br>Electric Ovens in an Automobile Plant.                                      | 4½. pp. |
| How Steel is Used in Aeroplanes.<br>by W. S. Doxsey.   | 12. pp. | <b>The Iron Age; Vol. 98, No. 23.</b> (Dec. 7.)<br>Youngstown's New Coke Oven Plant.  | 6. pp.  |
| <b>The Iron Trade Review; Vol. 60, No. 2.</b> (Jan. 11.)<br>A Record for Adding Mill Capacity.                 | 4. pp.  | A New Iron & Steel Roll Foundry.  | 4. pp.  |
| Seven-Day Week Relic of Barbarism;<br>by W. B. Dickson.  | 3½. pp. | Properties & Defects of Steel Ingots.   | 1½. pp. |
| Modern Hot Blast Stone Design—I.;<br>by A. J. Boynton.   | 4. pp.  | Racine Electric Steel Foundry Completed:<br>Effect of Sulphur & Phosphorous on Steel.   | 2. pp.  |
| <b>The Iron Trade Review; Vol. 60, No. 3.</b> (Jan. 18.)<br>France active as Buyer of Pig Iron.                | 3. pp.  | The Erosion & Hardening of Large Guns;<br>by H. Fay.  | 2½. pp. |
| Handling Coal in Storage Plants.<br>by H. Goldstein.   | 2½. pp. | <b>The Iron Age; Vol. 98, No. 24.</b> (Dec. 14.)<br>Bethlehem Ore Dock in New York Harbor.                                      | 3½. pp. |
| Potash from the Blast Furnace—I.;<br>by R. J. Wysor.   | 3. pp.  | The Power Forging of Chair Cables;<br>by F. G. Coburn.  | 2. pp.  |
| New Electric Steel Plant in Wisconsin.   | 1. p.   | Sulphide & Oxide Inclusions in Steel;<br>by G. F. Constock.   | 4. pp.  |
| What's What and Why.<br>Modern Hot-Blast Stove Design—II.;<br>by A. J. Boynton.                                | 2½. pp. | <b>The Iron Age; Vol. 98, No. 25.</b> (Dec. 21.)<br>The Engineering Department Modernized;<br>by H. W. Dunbar & W. E. Freeland. | 2½. pp. |
| <b>The Iron Age; Vol. 98, No. 21.</b> (Nov. 23.)<br>Cost Iron Pipe Manufacture in the South;<br>by Y. A. Dyer. | 4½. pp. | The Organization of Manufacturing Plants;<br>by A. D. C. Parsons.   | 6¼. pp. |
| The Electric Motor in the Steel Mill;<br>by H. F. Stratton.  | 3½. pp. | The Standardization of Machine Tools.<br>by C. G. Barth.  | 3. pp.  |
|  | 4½. pp. | Utilizing Waste Heat to generate Steam;<br>by A. D. Pratt.  | 3¾. pp. |
|  |         | <b>The Iron Age; Vol. 98, No. 26.</b> (Dec. 28.)  | 4. pp.  |

## The Engineering Department Modernized;

by H. W. Dunbar and W. E. Freehand. 5½ pp.

Rail Rerolling Mill at Marion, Ohio. 2½ pp.

Germany's Supplies of Ferromanganese;

by E. F. Cone. 3 pp.

Price Work the Practice at Arsenals. 1½ pp.

**The Iron Age; Vol. 99, No. 1. (Jan. 4.)**

Metals &amp; Alloys in the Steel Industry;

by De C. Browne. 3 pp.

Technical Advances in Iron &amp; Steel;

by J. E. Johnson. 3 pp.

The New Status of American Shipbuilding;

by W. L. Crounse. 4 pp.

The Advance in American Shipbuilding. 5 pp.

Russia the Most Promising After-the-War Market for

American Products. 5 pp.

Shell Manufacture from Cast Steel;

by E. F. Cone. 4 pp.

Waste-Heat Boilers make good Record. 3 pp.

The Iron-Ore Reserves of the World;

by H. H. Campbell. 2½ pp.

Production and Cost System for the Foundry. 9 pp.

Nash Motors Company Foundry at Kenosha;

by O. J. Abell. 4½ pp.

United Alloy Steel Corporation's Works. 5½ pp.

How Machine-Tool Industry has Expanded. 3½ pp.

## Unit Method used in Operating Plant;

by F. L. Prenties. 6½ pp.

New Iron &amp; Steel Works Construction. 14 pp.

The Status of the Electric Steel Industry. 3 pp.

**The Iron Age; Vol. 99, No. 2. (Jan. 11.)**

Plants of New Merger at Buchanan, Mich. 4 pp.

Rates of Depreciation &amp; Their Treatment;

by Ch. Piez. 2 pp.

A New British Electric Steel Furnace. 2 pp.

The Heat Treatment of Chain Cables;

by W. W. Webster and E. L. Patch. 4 pp.

**The Iron Age; Vol. 99, No. 3. (Jan. 18.)**

Relocating Equipment in a Machine Shop;

by F. Schneibman. 2½ pp.

The Question of the Steel for Rifle Barrels;

by C. B. Langstroth. 1 p.

Potash as a By-Product of Blast Furnaces. 2½ pp.

Progress in Hot-Blast Stove Design;

by A. J. Boynton. 4 pp.

Twelve-Hour Day and Seven-Day Week. 1½ pp.

**Engineering; Vol. 102, No. 2655. (Nov. 17.)**

Refractory Materials. 2½ pp.

**Engineering; Vol. 102, No. 2656. (Nov. 24.)**

High-Speed Steel Alloys. 1 p.

**Engineering; Vol. 102, No. 2658. (Dec. 8.)**

Report of the Hardness Tests Research Committee.