

## 内外雜誌主要題目

東北帝國大學理科報告 (數學物理學化學) 第八卷第一號

(四月三十日)

Quenching Cracks in Carbon Steels.

by K. Honda and T. Matsushita.

12. pp.

On some physical constants of Iron-Cobalt Alloys.

by K. Honda.

8. pp.

On the Moduli of Elasticity and Rigidity of Nickel

Steels. by K. Honda.

2. pp.

日本鑛業會誌 第四百十一號(五月二十二日)

青森縣下北半島砂鐵調查報文

白土大祐 (十四頁)

最近の米國に於ける鐵熔鑛爐工場に就て

田中義算 (六頁)

北海道石炭鑛業會々報 第五十六號(四月十五日)

米國炭鑛業視察談 小林健二 (十四頁)

戰爭と炭價に就て 小林雄一 (四頁)

臺灣鑛業會報 第六十四號(四月三十日)

炭界の大勢と臺灣炭の前途 古田慶三 (五頁)

支那鑛業時報 第四十六號(五月二十日)

南滿洲小製鐵業に關する調査報文

藤平田文吉 (三十六頁)

直隸省揚家坨炭坑調査報告

(五頁)

工業雜誌 第六百五十二號(五月二十日)

耐酸鐵合金に就て (一) 深川庫造 (貳頁)

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ア、ロ、二州を加たる佛國製鐵業 (一) (九頁)

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朝鮮鑛業會誌 第貳卷第六號(六月一日)

支那石炭の産量及び蘊藏 (十二頁)

化學之友 第拾壹卷第五號(六月五日)

バナヂウム鋼、フェロバナヂウム及バナヂウムを含有せしめる鋼、銑鐵中の燐定量法に就て

S S 生 (七頁)

Iron Trade Review; Vol. 64, No. 14. (Apr. 3)

Pig-Iron output drops 5.8 percent. 1. p.

New Steel Works built in England, by

J. Horton. 4. pp.

Rolling Mill research laboratory. 1. p.

Steel Corporation Income is Huge. 3. pp.

Iron Age; Vol. 103, No. 13. (Mar. 27)

Reclaiming High speed Steel scrap, by

E. F. Cone. 4. pp.

Recent Crank shaft repairs. 2. pp.

Reductions in Iron and Steel Prices. 3. pp.

Change in Rail specifications proposed.	1. p.	Fracturing Heads and Risers from Steel Casting.	
Large Plate Mill for Japan.	1. p.	by C. W. Merrifield.	2. pp.
Industrial engineers consider New Industrial order.	3. pp.	Compiling Cost Data in a Naval Steel Foundry.	
Colloidal Fuel.	1. p.	by W. S. Doxsey.	6. pp.
Specifications for High speed Steels, by R. Poliakoff.	3. pp.	Malleable Plant to revert to Destined work.	4. pp.
<b>Engineering; Vol. 107, No. 2774.</b> (Feb. 28.)		Elementary discussion of Foundry Metallurgy.	
Annealing and Heating Furnaces fired by Town Gas.	1. p.	by W. W. Cox.	1½. pp.
Electric Welding, by J. H. Paterson.	4. pp.	Why Expert foundry advice sometimes fails.	
<b>Engineering; Vol. 107, No. 2776.</b> (Mar. 14.)		by R. R. Clarke.	3. pp.
The Hardening of Steel, by H. C. H. Carpenter.	2. pp.	<b>The Foundry: Vol. 47, No. 322.</b> (May 1.)	
Electric Welding, by J. Caldwell & H. B. Layers.	1½. pp.	Pointers on Electric Steel Furnace Practice.	
<b>Engineering; Vol. 107, No. 2777.</b> (Mar. 21.)		by H. E. Diller.	4. pp.
Engineering of Steel, by H. C. H. Carpenter.	4½. pp.	Diversified Output at Canton Plant.	8. pp.
<b>Monthly Bulletin of the Canadian Mining Institute: No. 84.</b> (Apr.)		How Phosphorus affects Malleable Castings.	2. pp.
The Case for an Iron Ore Bounty.	2. pp.	Melting in a Small Cupola without Slagging.	
<b>Raw Material: Vol. 1, No. 2.</b> (Apr.)		by G. R. Brandon.	1. p.
Safeguarding Steel Ingot production.	6. pp.	Novel method of Drying Cores in Vacuum Ovens.	
Selection of Galvanized Sheets.	3. pp.	by G. W. Merrifield.	2. pp.
Notes on Deep Drawing of Metals.	2. pp.	Precautions to observe in Casting Light Work.	
<b>The Foundry: Vol. 47, No. 321.</b> (Apr. 15.)		by R. R. Clarke.	2. pp.
		<b>The Analyst: Vol. 44, No. 517.</b> (Apr.)	
		Estimation of Phosphorus and Silicon in Cast Iron.	
		by A. Cavazzi.	
		<b>Bulletin of the American Institute of Mining and Metallurgical Engineers: No. 149</b> (May).	
		Water cooled equipment for Open-Hearth Steel	

Furnaces. 6. pp.

Basic Refractories for the Open Hearth. 2½. pp.

Development of Grain Boundaries in Heat-treated Alloy Steels. 2. pp.

Does Forging increase Specific density of Steel? 2. pp.

Prevention of Columnar Crystallization by

Rotation during Solidification. 1½. pp.

Flaky and Woody Fractures in Nickel Steel Gun

Forgings—Microstructural features of Flaky Steel. 13. pp.

Davidson Process of Casting formed Tools. 2. pp.

Effect of Rate of Temperature change on Transformation in an Alloy Steel. 1½. pp.

Path of Rupture in Steel fusion welds. 1½. pp.

Welding Mild Steel. 39. pp.

Microstructure of Iron deposited by Electric Arc Welding. 5. pp.

Effect of Temperature, Deformation and Grain Size on the Mechanical Properties of Metals. 15. pp.

A Metallographic investigation of Transverse-fissure Rails with Special Reference to High-phosphorus

Streaks. 26. pp.

Recent Studies of Domestic Manganese Deposits. 7. pp.

**The Foundry Trade Journal: Vol. 21, No. 208.** (Apr.)  
Works Laboratory Organization.

by J. E. Hurst. 3½. pp.

The Smelting Cleveland Iron-Stone.

by S. G. Smith. 3½. pp.

Wild-Barfield Electric Steel Hardening Furnace. 1. pp.

**Engineering: Vol. 107, No. 2779.** (Apr. 4.)

The Strength and Elasticity of Electrically welded joints. 1. p.

The Relationship between the Laboratory and the Work Shop. by W. R. Barclay. 1½. pp.

**Engineering and Mining Journal: Vol. 107, No. 16.** (Apr. 19.)

Iron Ore concentration on the Mesabi range. by F. A. Kennedy. 6. pp.

United States Steel Corporation. 2. pp.

**Engineering and Mining Journal: Vol. 107, No. 18.** (May 3.)

Iron Ore Super-Taxation in Minnesota. by D. E. Woodbridge. 4. pp.

**The Blast Furnace and Steel Plant: Vol. 7, No. 5.** (May).

Metallurgical Considerations of Duplexing. by R. S. McCaffery. 4. pp.

English Reversing Mill Motor. 1. p.

Heating Furnaces and Annealing Furnaces. by W. Trinks. 3. pp.

Blast Furnace Ferromanganese Production. by P. H. Royster. 6. pp.

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Proper Lubrication of air Compressors.

by H. V. Conrad.

3. pp.

Steel Research Laboratory.

2. pp.

Basic Refractories for Open Hearths.

by J. S. McDowell and R. M. Howe.

3. pp.

**The Iron Age: Vol. 103, No. 16.** (Apr. 17.)  
The Manufacture of Small Chain.  
by E. R. Miner.

4. pp.

Practical Operation of Gas Producers.

by J. S. McClimon.

4. pp.

The Greene Rolling Cylinder Arc Furnace.

3. pp.

Combustion Considerations of Solid Fuel.

by A. D. Williams.

2½. pp.

**The Iron Age: Vol. 103, No. 17.** (Apr. 24.)

The Vom Baur Electric Steel Furnace.

3. pp.

Considerations with regard to Fuel Gas.

by F. Crabtree.

3. pp.

Pulverized Coal in Canadian Steel Plant.

by C. F. Herington.

5. pp.

Italy's War buying of American Steel.

by E. D'Amico.

3. pp.

**Chemical and Metallurgical Engineering: Vol 20,**

**No. 9.** (May 1.)

Metallic Coatings for Rust-proofing Iron and Steel—I.

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

7. pp.

Hot Deformation and the Quality of Steel.

by G. Charpy.

4. pp.

**The Iron Age: Vol. 103, No. 19.** (May 8.)

Hot Deformation and the Quality of Steel.

2. pp.

Flaky Fractures and their possible Elimination.

by H. Styri.

6. pp.

Principles of Open-Hearth Furnace Design.

Pig Iron Output reduced.

2. pp.

Vom Baur Electric Furnace.

by C. H. Vom Baur.

2. pp.

**Iron and Coal Trades Review: Vol. 98, No. 2666.**

(Apr. 4.)

**The Iron Age: Vol. 103, No. 15.** (Apr. 10.)

The Business of making Small Chain.

by E. R. Miner.

3. pp.

Heat Treatment of Tool Steels.

Recent Developments in Refractories.

1. p.

Gray Iron Castings from Electric furnace.

by G. K. Elliott.

2. pp.

**Iron and Coal Trades Review: Vol. 98, No. 2667.**

(Apr. 11.)

Blair removable Slag Pocket.

The Belgian Steel Industry.

2. pp.

Calaining Plant at the Irthingborough Mines of the

Ebbw Vale Steel, Iron and Coal Co. Ltd.

2. pp.