

内外雜誌主要題目

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The Iron Age. Vol. 95 No. 7 (Feb. 18. 1915.)

The Liberty Bell and Disease of Metals. 24 pp.

Finishing Temperatures of Rails By W. R. Shimer. 34 pp.

Vanadium Steel Rail. 5 p.

Steel Rails and Blast Furnace Practice. 24 pp.

The Iron Age. Vol. 95. No. 8 (Feb 25. 1915)

Water-Cooled Equipment for Sheet Mills. 24 pp.

Grinding Large Shells and Projectiles. 24 pp.

Electric Precipitation of Dust. 14 pp.

The Iron Age. Vol. 95. No. 9 (Mar. 4 1915)

Stamping Plant for Quantity Production By F. L. Prentiss. 6 pp.

The X-Ray in Metallurgical Research. 14 pp.

Hysteresis Loss in Medium-Carbon Steel By F. C. Langenberg & R. G. Webber. 24 pp.

The Iron Age. Vol. 95. No. 10 (March 11 1915)

Acid Open-Hearth Steel for Castings By Edwin F. Cone. 24 pp.

Economical Handling of Odd Machining Jobs By Albert A. Dowd. 3 pp.

The Iron Age. Vol. 95. No. 11 (Mar. 18 1915)

"Areagrams" of Open-Hearth Furnace Flues. By A. R. Mitchell. 2 pp.

Failure of British Steel Ship Plates. 24 pp.

Burning Blast Furnace Gas. 14 pp.

Heat Energy from the Bessemer Process By G. Butz. 2 pp.

Gas and Steam Engines and the Turbine By J. E. Johnson. 34 pp.

The Iron Trade Review Vol. LVI. No. 11. (Mar. 18 1915)

A Big Handicap to Industry By L. W. Moffett 5 pp.

How Spelker is Manufactured By George C. Stone. 3 pp.

Tests of Structural Columns. 4 pp.

The Foundry Vol. 43. No. 271. (March 1915)

Agricultural Castings Made at Minimum Cost By J. F. Ervin. 8 pp. **The Iron & Coal Trades Review Vol. XC. No. 2450** (Feb. 12 1915)

How to Increase the Output of Your Foundry By G. K. Hooper. 2 $\frac{2}{3}$ pp. **Steel and Cast-Iron Pipes.** 1 p.

Cupola Bed and Blast Pressures By Richard Moldenke. 1 p. **The Iron & Coal Trades Review Vol. XC. No. 2451** (Feb. 19 1915)

Insufficient Air for the Cupola By W. J. Keep and George C. Hicks. 1 $\frac{1}{3}$ pp. **The Growth & Aspects of the Coal and Iron Trades in South Russia** By J. W. Revillon. 2 pp. **Blast-Furnace Gas for Coke Ovens.** $\frac{2}{3}$ p.

Operating a Foundry on a Scientific Basis V. By F. A. Parkhurst. 4 pp. **The Iron & Coal Trades Review Vol. XC. No. 2452** (Feb. 26 1915)

Selecting Grinding Wheels for Foundry Use By B. F. Dietz. 5 $\frac{1}{2}$ pp. **Tinplate Trade and the War.** 1 p. **Utilisation of Blast Furnace Slag.** 1 p.

The Metal Industry Vol. 7. No. 3 (March 1915) **The Iron & Coal Trades Review Vol. XC. No. 2453** (Mar. 5 1915)

Etching by the Transfer Process. By H. B. B. 3 $\frac{3}{4}$ pp. **Honeycombing in Steel.** $\frac{1}{3}$ p. **Chemistry of Coke-Oven Operation.** 1 $\frac{1}{2}$ pp.

Metallurgical and Chemical Engineering Vol. XIII.

No. 3 (March 1915) **Engineering Vol. 99. No. 2557** (Jan. 1. 1915.)

A Classification of High-Temperature Physical Problems By E. F. Northrup. 5 pp. **Manganese: Its uses, production, imports, exports and the war.** 1 $\frac{1}{2}$ pp. **Swedish iron and the war.** $\frac{1}{2}$ pp.

The Determination of Manganese in Terrovranadium By W. W. Clark. 1 p. **Lead-poisoning in smelting and refining works.** 1 pp.

Filling the Blast Furnace By J. E. Johnson, Jr. 12 $\frac{1}{2}$ pp. **The use of liquid ferro-manganese in the steel processes.** By Axel Sahlin, Brussels. 3 pp.

Diagrams of three months' fluctuation in prices of metals.

½ pp.

Position and prospects of Germany's iron and coal industry.

Engineering Vol. 99. No. 2558 (Jan. 8. 1915.)

Copper and sulphur ore industry in Norway 1 pp.

Engineering Vol. 99. No. 2566 (Mar. 5. 1915.)

Copper production in Canada. 1 pp.

Engineering Vol. 99. No. 2559 (Jan. 15. 1915.)

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Prof. Henry M. Howe.

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Mine Ventilating Fan. 2½ pp.

Engineering Vol. 99. No. 2560 (Jan. 29. 1915)

The German Pig-iron union.

½ pp.

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Electric steel making furnaces. By T. D. Robertson.

2½ pp.

The corrosion of iron. I (to be continued) By B. L. C. Wilson.

Diagram of three months' fluctuation in prices of metals

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The corrosion of iron. II (to be continued) By B. L. C. Wilson.

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History of the metallurgy of iron and steel.

Painting structural steel, good and bad practice in the application of shop and field coats.

German iron and steel in 1914.

¼ pp.

Engineering Magazine (Mar. 1915)

The corrosion of iron. III Protective measures (to be continued) By B. L. C. Wilson. 10 pp.

The Braysshaw Industrial Furnaces.

1 pp.

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Standardisation of pipe flanges and flanged fittings. By

Shipbuilding and Shipping Record (Jan. 6. 1915.)

John Dewrance.

Shipbuilding and steel price.

Phenol for coal Analysis.

1 pp.

Shipbuilding and Shipping Record (Feb. 4. 1915)

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Steel price : Price per ton of steel ship plates sold on the

North-East Coast of England dating from 1893 onwards, the price being those of the English Associated plate makers.

Steamship (Jan. 1915)

Failures of heavy boiler shell plates. (to be continued) By Sidney A. Houghton. 3 pp.

Steamship (Feb. 1915)

Failures of heavy boiler shell plates. By Sidney A. Houghton.

Steamship (Mar. 1915)

Marine boiler explosions (From the Board of Trade's Reports). 1½ pp.

The behaviour of riveted joints under stresses. By James E. Howard. 1½ pp.

Journal of the American Society of Naval Engineers. (Feb. 1915)

The foundry use of Non-ferrous scrap metals. Fracture of plates on U. S. S. O'Brien.

Railway Engineer. Vol. 36. No. 420. (Jan.) 1915.

Corrosion of Steel Wharves at Kowloon. By Mr. S. H. Ellis. 1 p.

Railway Engineer. Vol. 36, No. 421. (Feb. 1915.)

Inspection of Copper for Locomotive Purpose. 2¼ pp.

Railway Engineer. Vol. 36. No. 421. (Feb. 1915.)

The Critical Point at 460C. in Copper Zinc Alloys. By O. F. Hudson. 5 pp.

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Economy and Efficiency of Modern Testing Machine. 1¼ pp.

Railway Gazette. Vol. 22. No. 3. (Jan. 15. 1915.)

Hydraulic Mining. By James Tonge. ¼ pp.

Railway Gazette. Vol. 22. No. 5. (Jan. 29. 1915.)

Steel for Locomotive Forgings. ¼ pp.

Railway Gazette. Vol. 22. No. 6. (Feb. 5. 1915.)

Bessemer & Lake Erie Steel Sleepers. ¼ pp.

Railway Gazette. Vol. 22. No. 7. (Feb. 12. 1915.)

Locomotive Spring Failure. ¼ pp.

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Development with Steel Ties on Bessemer & Lake Erie RR. By H. T. Porter & F. R. Laying. 1½ pp.

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Rolled and Forged Steel Piston. 4½ pp.

Railway Review. Vol. 56. No. 3. (Jan. 16. 1915.)

Improvement of Steel Rail Material by Milling the Hot Bar. 3 pp.

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Effect of heat treatment an axle steel.

American Mechanist. Vol. 42. No. 3. January, 21, 1915.

A general-utility alloy steel.

American Mechanist. January, 21, 1915.

Interesting uses of flame welding.

American Mechanist. Vol. 42. February, 11, 1915.

Material for machine parts.—Bearing.

American Mechanist. Vol. 42. February, 18, 1915.

Strengthening Cast iron.

American Mechanist. Vol. 42. February, 18, 1915.

Hardness test of cold rolled steel.

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American Mechanist. Vol. 42. February, 18, 1915.

The rolling mill as machine shop product.

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The behaviour of metals under stress.

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Mechanical Engineer. Vol. XXXV. No. 887. January,

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A study of cast steel.

Mechanical Engineer. Vol. XXXV. No. 889. February, 5, 1915.

Ray for deteting blow holes in steel.

Automobile Engineering. Vol. 5. No. 74. January, 1915.

British automobile steels.

Machinery. Vol. 21. No. 5. January, 1915.

Flueless hardening furnace.

Mechanical world. Vol. LVII. No. 1462. January, 8, 1915.

Hard Cores and Metal Contraction.

Mechanical world. Vol. LVII. No. 1463. January, 15, 1915.

Use of tungsten as an alloy.

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Preventing piping in steel castings.

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The Nature and Constitution of Bearing Metals.