

Separation of Emulsified Slag From Molten  
Steel in the Basic Oxygen LD Process,  
Part VIII of 'Use of Radioisotopes in  
Steelmaking', by H. Mori et al.  
JAPANESE, per, Tetsu to Hagano, Vol 51,  
No 10, 1965, pp 1930-1933.  
IB 6717

Sci-MNH  
Aug 66

308,811

Hot Repairs to the Lining of Basic Oxygen  
Furnaces, by H. Nemoto, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 51, No 10,  
1965, pp 1935-1937.  
HB 6848

FE-Japan  
Sci/M&M  
Apr 66

298,879

Outline of the Basic Oxygen LD-AC Plant  
and Operating Results at Kawasaki  
Works, Part I of 'On the LD-AC Process at  
Nihon Steel Tube Kawasaki Works'.  
by M. Kishida et al.  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
No 10, 1965, pp 1937-1939.  
HB 6719

Sci-MEM  
May 66

300,986

Behavior of Deoxidation Products in  
the Deoxidation [of Steel] with Aluminum,  
Part I of 'Investigation into the  
Behavior of Deoxidation Products in Iron  
and Steel', by I. Uchiyama, T. Saito.  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
No 10, 1965, pp 1956-1958.  
HB 6890

Sci-MEM  
Jul 66

304,395

Behavior of Nonmetallic Inclusions [During Rolling] of Steel Deoxidized With the Combinations Mn-Al and Si-Al: Part II of 'Deformation of Inclusions in Steel During Rolling,' by I. Uchiyama, M. Sumita.  
JAPANESE, per, Tetsu to Hagane, Vol 51, No 10, 1965, pp 1959-1962.  
HB 6710

FE-Japan  
Sci/NQM  
Apr 66

298,877

Deoxidation of Iron-Carbon Alloys With  
Cerium and the Resulting Nonmetallic  
Inclusions, by T. Kusakawa, Y. Watanabe.  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
No 10, 1965, pp 1970-1973.  
HB 6669

Sci-M&M  
Jul 66

304,394

Performance of Misch Metal in the  
Deoxidation and Desulfurization of  
Pure Iron, by T. Kusakawa, T. Otani.  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
No 11, 1965, pp 1987-1990.  
AB 6901

Sci-M&M  
Aug 66

308,810

Metallurgical Improvements in the Quality  
of Cold Rolled Rimmed Steel Sheet in Deep-  
Drawing Quality, by T. Fujii, S. Ogawa  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
No 11, 1965, pp 1990-1992.  
EB 6926

Sci-Mech Indus Civ Indus Mar Engr  
Oct 66 313,137

Relationship Between Ultrasonic Defect  
Echoes From Low Carbon Rimmed Steel  
Billets and the Internal Defects of  
Seamless Tube, by K. Mukaewaki, M. Eto.  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
No 11, 1965, pp 2021-2025.  
NB 6720

Sci-14000

Aug 66

303,821

Thermodynamic Behavior of Columbium  
Carbide, Carbonitride, Nitride and  
Sulfide in Steel, by T. Mori et al.  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
No 11, 1965, pp 2031-2033.  
HB 6899

Sci-M&N  
Jul 66

304,395

Some Experiments on the Decarburization  
and Denitridation of Steel Sheet, by  
T. Shibai, M. Kohda.  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
No 11, 1965, pp 2063-2066.  
HM 6718

Sci-Materials  
Oct 66

313,145

Studies on Superalloys For Use as Springs,  
by Y. Kannai.  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
October 1965, pp 2079-2082 - VIII;  
2082-2084 - IX.  
BISI 6620

Sci/Materials  
Jan 69

353,141

On the Quality of 18-8 Stainless Steel  
Wire Rod from Continuous-Cast Billets, by  
T. Ota, et al.  
JAPANESE, per, Totsu to Hagane, Vol 51,  
No 11, 1965, pp 2101-2103.  
AB 6722

FE-Japan  
Sci/NQM  
Mar 66

297,208

Abnormalities in the Leading End of  
Extruded Steel Tubes, Part I of 'Results  
of Ring Tests on 18-8 Stainless Tube',  
by M. Utakoji, H. Takiguchi.  
JAPANESE, per, Tetsu to Hagane, Vol 51,  
No 11, 1965, pp 2144-2146.  
HB 6842

Sci-M&M  
May 66

300,987

Research into the Injection of a Coal/Oil  
Slurry into the Blast Furnace, by K. Morinaga.  
JAPANESE, per, Tetsu to Hagano, Vol 52, No 2,  
1960, pp 107-113.  
AB 6891

Sci-MGN  
Aug 66

308,799

Experiments on the Solidification of Steel  
Ingots by the Scrape Method, by S. Shakano.  
JAPANESE, per, Tetsu to Hagano, Vol 52, No 2,  
1966, pp 113-119.  
BISI 4858

Sci-Materials  
Sept 66

309,629

Lattice Defects Produced by Working of Low-  
Carbon Steel and Their Annihilation Processes,  
by Takamura, et al.

JAPANESE, per. Tetsu to Hagane, Vol 52, 1966,  
pp. 149-152.

\*BISI 5764

Sci - Materials  
Aug 67

XXXXXX

Liquid Metal Flow in Ingot Mould During Solidification of Killed Steel, by H. Mori.  
JAPANESE, per, Tetsu-to-Ingane, Vol 52, No 3,  
1966, pp 221-225.  
\*HB 7359

Sci/Mat  
Mar 68

Effect of the Bed Depth Distribution of  
Sinter on the Pallot on the Distribution  
of the Waste Gas in the Wind Box, Part I  
of 'Studies of the Automatic Control of a  
Sinter Plant, by A. Yoshida et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 3, 1966, pp 271-274.  
HD 6885

Sci-Tech Indus Civ Mar Engr  
Oct 66

310,516  
320

Melting Practice for High Carbon Steel  
Made by the Oxygen LD Process, by K.  
Wakabayashi et al.  
JAPANESE, per, Tetsu to Haggane, Vol 52,  
No 3, 1966, pp 348-349.  
NB 6886

Sci-Materials  
Oct 66

313,146

Effect of the Amount of Hot Metal Charged Upon  
the Basic Oxygen LD Process, by Sh. Cho, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 3,  
1966, pp 355-358.  
AB 6884

Sci/Materials  
Dec 66

314,330

Removal of Sulfur in the Gas Phase of the Basic  
Oxygen Ld Process, by Y. Morita, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 3,  
1966, pp 364-366.  
IH 6889

Sci/Materials  
Dec 66

314,569

Formation of Slag and Dephosphorization  
in the Early Stages of the Basic Oxygen  
LD Process, by Y. Hirose.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 3, 1966, pp 366-369.  
ID 6873

Sci-Tech Indus Civ Mar Engr  
Oct 66

310,517i

Construction of the No. 3 Converter and 2/3  
Unit Operation at the Wakayama Steel Works,  
by A. Tomita,  
JAPANESE, per. Tetsu-to-Hagane, June, 1966,  
pp 375-378.  
BISI 8033

Sep 71

The Newly Designed OG [(Non-Combustion BOF  
Waste Gas Recovery) Equipment and its  
Performance in Practice, by Sh. Machara et al.  
JAPANESE, per, Totsu to Hagame, Vol 52, No 3,  
1966, pp 389-391.  
IB 6880

Sci-MEM  
Aug 66

308,822

Pattern of Flow of Liquid Metal during the  
Solidification of Killed Steel Ingots, by  
H. Mori

JAPANESE, per, Tetsu to Hagane, Vol 52, No 3,  
1966, pp 419-424.

HB 7359

Sci-Materials  
Aug 68

362,104

Some Experiments on the Solidification of Killed  
Steel, by H. Iijima, K. Inamoto.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 3,  
1966, pp 425-428.  
HB 7360

Sci-Materials  
April 69

377,727

Study of Mixing Ferroalloys in Ladle.  
By Okubo, S.

JAPANESE, per, Tetsu-to-Kagaku  
Vol. 52, No. 3 1966,

pp. 440-3.

CRL D. 186

ETC-68-24461

404,559

MAE 970

Process of Tap Degassing [of Steel],  
by H. Morikawa et al.  
JAPANESE, par, Tetsu to hagane, Vol 52,  
No 3, 1966, pp 443-446.  
HB 6881

Sci-Mech Indus Civ Mar Engr  
Oct 66

313,138

Accelerated Solidification [of Steel Ingots]  
Under Pressure, Part I, by N. Kagiwada and  
Y. Nakagawa,  
JAPANESE, per. Tetsu-to-Hagane, Vol 52,  
No 3, 1966, pp 454-457.  
HB 7938

Sci/Mat  
Sep 70

Application of Accelerated Solidification to  
Commercial ~~Steel~~ Ingots under Pressure, by  
N. Kagiwada and Y. Nakagawa.  
JAPANESE, per, ~~Tetsu To Hagane~~, Vol 52, No 3,  
1966, pp 457-459.  
HB 7939

Sci/Mat  
Nov 70

Continuous Casting of [Ball and Roller]  
Bearing Steel, by T. Ohta et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 3, 1966, pp 466-468.  
HM 6903

Sci-Mech Indus Civ Mar Engr  
Oct 66

313,143

Erosion Resistance Tests on Refractories  
for Tundish Nozzles Used in Continuous  
Casting of Steel, by A. Suzuki et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 3, 1966, pp 469-471.  
MH 6904

Sci-MH:  
Aug 66

308,820

The Quality of High Carbon Steel Wire  
Hot Rolled from Billets Continuously  
Cast From Basic Oxygen LD Steel. Part I,  
by Sh. Koike, A. Kimura.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 3, 1966, pp 471-473.  
DDI 6925

Sci-Materials  
Oct 66

313,141

On the Quality of Spring Steel from  
Continuously Cast Billets. Part II,  
by Sh. Moike.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 3, 1966, pp 473-475.  
HB 6906

Sci-Materials  
Oct 66

313,142

An Evaluation of Exothermic Hot Tops, by  
M. Ichino, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 3,  
1966, pp 476-478.  
AB 6677

Sci/Tech, Indust, Civil  
& Marine Engr  
Dec 66

314,332

WATANABE, S. and YOSHINAGA, M. Relation between  
strength of sinter and its microstructure during reduction  
Tetsu-to-Hagane 52(3):488-91 (1966) (CRL/D. 838)

Mechanism of Degradation of Sinter in the Course  
of Reduction, by T. Koyama, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 3,  
1966, pp 501-504.  
RISI 7035

sci/ materials  
nov 69

397,324

Kinetic Studies of Deoxidation of Steel. VII. The  
Rate of Deoxidation with Silicon in Tranquil Steel  
Bath.

By Kawawa T.

JAPANESE, per, Tetsu-To-Hagane:

Vol. 52, No. 4, 1966,

pp. 531-4.

CRL D. 222

STC-68-24459

404,567

Kinetic Study of Decoxidation of Steel. VI. Effects of  
Crucible Materials on the Rate of Dioxidation.

By Kawawa, T.

JAPANESE, per, Tetsu-To-Hagane.

Vol. 52, No. 4, 1966,

pp. 53-8.

CRL D. 221

ETC-68-24458

404,565

MA

Study of Deoxidation: I - Rising Velocity of De-oxidation Products in Static Iron Bath, by  
N. Kawai, S. Kobayashi.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,  
1966, pp 540-549.  
BISI 5118

Sci/Materials  
May 67

322,516

Study of Reoxidation: II - Rising Velocity of  
Al<sub>2</sub>O<sub>3</sub> Particles in Static Iron Bath, by  
S. Kawai, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,  
1966, pp 549-551.  
BISI 5119

Sci/Materials  
May 67

322,517

On the Rise of Deoxidation Products in  
the Process of Silicon Deoxidation, by  
Y. Miyashita, K. Nishikawa,  
JAPANESE, por, Tetsu to Hagane, Vol 52,  
No 4, 1966, pp 552-554.  
OISI 5120

Sci-Materials  
Oct 66

Study of Deoxidation Products. III. Non-Metallic  
Inclusions in Fe-Si-Mn-O System.

By Tajiri, I.

JAPANESE, per, Tetsu-To-Hagane

Vol. 52 No. 4, 1966,

pp. 554-7.

CRL D. 223

FTC-68-24465

MAR 1967

404,555

On the Mechanism of Formation of Oxide Inclusions  
by the Addition of Deoxidizing Agents, by  
Y. Kojima, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4, 1966  
pp 557-560.  
HB 6963

Sci/Materials  
Doc 66

314,559

Study of Large Inclusions in Firming Steel,  
by T. Takai.  
JAPANESE, per, Tetsu to Hagané, Vol 52,  
Apr 1966, pp 563-571.  
BDSI 5122

319,834

Sci -- Mechanical,  
Civil, and Marine Engineering  
Feb 67

Analysis of Non-Metallic Inclusions by  
Electron Probe Analyser, by K. Shibuya.  
JAPANESE, per, Tetsu to Hagani, Vol 52,  
Apr 1966, pp 571-574.  
RISI 5123

319,863

Sci - Materials  
Mar 67

The Effects of N, SI on the Mechanical  
Properties and Cold Formabilities of  
Hot Rolled Steel Sheets, by H. Iwamiya et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,  
1966, pp 589-591.  
#BISI 5124

Sci-Materials  
Oct 66

The Effects of Al, Cu on the Mechanical  
Properties and Cold Formabilities of Hot  
Rolled Steel Sheets, High Strength Steel  
Sheet for Cold Forming Quality, by H.  
Iwamiya et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,  
1966, pp 591-596.  
•DISI 5125

Sci-Intero 1a

Effect of Tramp Elements on the Hot  
Workability of Low Carbon Steels, by  
T. Tanoie and Ch. Kawai.  
JAPANESE, per, Tetsu to Hagané, Vol 52,  
No 4, 1966, pp 624-626.  
HB 6898

Sci-Materials  
Oct 66

313,140

Step Extrusion of Continuously Cast  
18% Cr, 0% Ni Steels, by K. Okamoto.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 4, 1966, pp 629-631.  
HB 6792

Sci-Materials  
Oct 66

313,135

On the Surface Seams Caused by Non-Metallic  
Inclusions in Cold Rolled Sheet of 180S  
Stainless Steel, by Z. Nozaki, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,  
1966, pp 633-636.  
AISI 5126

Sci-Materials  
Oct 66

Effect of Alloying Elements on the  
Ritened Steel, by T. Kakutani, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 4, 1966, pp 638-648.  
OBISI S127 64-

Sci-Materials  
Oct 66

Properties of Hot Extruded Bars of High-Speed Steel Compared with Forged Bars,  
by A. Kyanagi et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 4, 1966, pp 683-686.  
HB 6882

Sci-Materials  
Oct 66

313,136

Effect of Strain Aging on Mechanical  
Properties in Low Carbon Martensitic  
Steels, by S. Fukui.  
JAPANESE, per, Tetsu to Hagane, Vol <sup>52</sup> 52,  
No. 4, 1966, pp ~~828-848~~.  
ADISI 5128 724-726

Sci-Materials  
Oct 66

Effects of Annealing Temperature on a Strain  
Ageing of Vanadium-Treated Cold Rolled Low-  
Carbon Rimmed Steel Sheet, by K. Takasina,  
S. Harada

JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,  
1966, pp 726-729.

BISI 5129

Sci/Materials  
Jul 67

329,341

Effects of Grain Sizes and Strain Rate on  
Tensile Properties of Quenched and Tempered  
Mild Steels at Low Temperatures. Measurement  
of Tensile Properties of Steels with a High  
Speed Impact Tension Testing Machine, by  
S. Sakui, et al.

JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 4, 1966, pp 739-741.

\*BISI 5130

Sci-Materials  
Oct 66

Quality of Bearing Steel Tubes Extruded  
from Continuously Cast Billets, by

T. Ota, et al.

JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 4, 1966, pp 745-747.

HB 6857

Sci-Mech Indus Civ Mar Engr  
Oct 66

313,144

Sampling Method for the Rapid Determination of  
Oxygen and Hydrogen in Liquid Steel, by  
K. Tsuruno, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,  
1966, pp 773-775.  
HB 8106

sci/materialf  
file 670

402,728

Cold-Rolling and Annealing Textures in Iron  
and Steel, by H. Abe.  
JAPANESE, par, Tetsu to Hagane, Vol 52,  
May 1966, pp 882-910.  
BIBI 4992

314,776

Sci - Methods and Equipment  
Jan 67

Crystal Structure and Some of the Chemical  
and Physical Properties of Non-Metallic  
Inclusions in Steel, by K. Narita.  
JAPANESE, per, Tetsu to Hagane, Vol 52,,  
July 1966, pp 1098-1147.  
BISI 5175

Sci - Mat  
Aug. 67

338,598

Effect of Texture on Press Formability of Extra-  
low Carbon Rimmed Steel Sheet, by Y. Ito,  
F. Kanzaki.  
JAPANESE, per, Tetsu to Hagane, Vol 52, Aug  
1966, pp 1188-1201.  
BISI 5176

Sci/Materials  
Jun 67

327,737

Study of Blast Furnace Burden Properties.  
I - Properties of Blast Furnace Burdens  
During Chemical Reduction, by K. Kanbara.  
JAPANESE, per, Tetsu to Hagane, Vol 52,  
No 9, 1966, pp 1348-1350.  
BISI 6925

Sci-Mat  
Aug 69

389,539

Effect of Pulsating Blast on the Reduction of  
Iron Oxide, by Y. Yamada and T. Tsuda.  
JAPANESE, per, Tetsu to Haganu, Vol 52, No 9,  
1966, pp 1370-1372.  
NB 7311

Sci-lat  
Mar 68

349,276

On the Rate of Absorption of Nitrogen in the  
Liquid Iron Containing Superactive Elements,  
by H. Inouye, T. Cho.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 9,  
1966, pp 1418-1421.  
#1181 5299

Sol - Materials  
Jan 67

The Mechanism of the Separation of Inclusions  
in Stirred Compared with Quiet Steel Baths,  
by T. Kawawa, M. Okubo, Y. Sasajima.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 9,  
1966, pp 1460-1467.  
HB 7126

Sci - Mech  
Aug. 67

338,561

Distance between Ingot Surface and Subsurface  
Blowholes, by Sh. Watanabe  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 9,  
1966, pp 1525-1528.  
HB 7231.

Sci-Materials  
Aug 68

362,103

Trial Manufacture of Doubly Oriented Fe-Al-Si  
System, by O. Madono.  
JAPANESE, per, Tetsu-to-Ingane, Vol 52, No 10,  
1966, pp 1633-1635.  
\*BISI 6146

Sci-Mat  
Mar 68

Study of Directional Silicon Sheet - I  
by T. Matsuoka,  
JAPANESE, per. Tetsu-to-Hagane, Vol 52, No 10,  
1966, pp 1635-1638,  
BIBI 7905

Sed/Mat  
Mar 70

404, 077

The Quality of High Carbon Steel Hoop from  
Continuously Cast Billets, by M. Yanaguchi  
and S. Koike.

JAPANESE, per, Tetsu To Hagane, Vol 52, No 10,  
1966, pp 1648-1650.

HB 7261

Sci-Mat  
Oct 67

343,060

Mass Spectrometric Study of Desulfurization  
of Certain Iron Alloys by Vacuum Melting,  
by E. Kato, Y. Fukube.  
JAPANESE, per, Tetsu to Hagane, Vol 62, No 11,  
1966, pp S 32.  
HB 7201

Sci - Mech  
Aug. 67

338,563

Behavior of the Products From the Deoxidation of  
Steel With Silicon or Manganese. Part II of  
Investigation into Behavior of Deoxidation  
Products in Iron and Steel, by I. Uchiyama,  
T. Saito.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 11,  
1966, Lecture 109, p. 345.  
HB7049

Sci/Materials

Mar 67

X1R 625

Gas Flow Around the Impingement Zone in the  
Basic Oxygen LD Process, by N. Otsuki, I. Uchi,  
JAPANESE, per. Tetsu to Hagane, Vol 52, No 11,  
1966, pp Lecture 127, P. 3-48.  
HB 7046

Sci/Materials  
Mar 67

318,632

The Grinding of High-Carbon Ferrochrome, by  
Y. Kondo, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 11,  
1966, lecture 144, p. 5 58  
HB 7048

Sci/Materials  
Mar 67

318,633

Photometric Determination of Zirconium in Stainless  
Steel, Using Arsenazo III, by U. Kaminari, et al  
JAPANESE, per, Tetsu to Hagane, Vol 52, 1966,  
No 11, p 5 92  
Ill No 7204

Sci - Nat  
July 67

332,837

Some Observations on Sulfurized Layers on Iron,  
by N. Hoshino, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 52, No 11,  
1966, pp Lecture 218, p 5-97  
FB 7090

Sci/Materials  
MAR 67

318,634

The Properties of "Supercoating", by T. Yonezaki.  
JAPANESE, por, Tetsu to Hagane, Vol 52, No 11,  
1966, Lecture 219, p 3 98  
DB 7091

Sci/Materials  
Mar 67

318,635

Lattice Defects Produced in the Working of  
Low-Carbon Steel Sheet and their Annihilation  
Processes, by H. Takamura,  
JAPANESE, par. Tetsu-to-Hagane, Vol 52, No 11,  
1966, pp 149-152,  
NLL Ref: 9022.06 (5999)

Sci/Chem  
Mar 70

404,114

Review of Electroslag Remelting, by  
H. Kusamichi, Y. Fukuhara.  
JAPANESE, per, Tetsu to Hagané, Vol 52,  
No 13, 1966, pp 1890-1905.  
BISI 6542

Sci/Materials  
Jan 69

353,136

Study of Directional Silicon Steel Sheet, II.  
- Electron-Microscopic Observation of Impurities  
which Influence Secondary Recrystallization of  
Silicon Steel Sheet, by T. Matsuoka.  
JAPANESE, per, Tetsu-to-Hagane, Vol 52, No 19,  
1956, pp 1638-1640.  
\*EISI 6147

Sci-Mat  
Mar 68

Influence of Nitrogen on the Properties of 18-7  
Chromium-Nickel Stainless Steels, by M. Okamoto.  
JAPANESE, per, Tetsu to Hagané, Vol 49, No 11,  
1967, pages 1694-1700.  
NISI 5724

Sci/Materials  
January 1968

341,920

The Mechanism of Formation of Macroscopic In-  
clusions Produced by Air-Oxidation of Molten  
Steel, by K. Senda.

JAPANESE, per. Tetsu-to-Hagane, Vol 53, Jan  
1967, pp 11-27.

RESI 6137

Sci-Mat  
Sep 68

365,614

On the Formation of String Ghost in a Killed  
Steel Ingot, by I. Hagiwara and T. Takahashi,  
JAPANESE, per. Tetsu-to-Hagane, Vol 53, Jan.,  
1967, pp 27-37.  
BISI 8592

Jul 71

The Effects of Wet Grinding on the Pelletization  
of Fine Oxes, by Y. Tada, et al.  
JAPANESE, per, Watsu to Hagame, Vol 53, No 3,  
1967, pp 188-191.  
EJ 7972

sci/ materilas  
dec 69

398,629

Relationship Between Reducing Conditions and  
Physical Properties of Pre-Reduced Iron Ore  
Pellets, Part I of Basic Study of Pre-Reduced  
Iron-Ore Pellets, by K. Kuni.  
JAPANESE, per. Tetsu to Hagane, Vol 53, No 3, 1967,  
pp 199-202.  
HB 7322

Sci-Mat  
Mar 68

349.275

Method of Estimating the Oxidation of Pellets  
Reduced to Metal, by K. Kojima & H. Kahata,  
JAPANESE, por, Tetsu to Hagane, Vol 53, No 3,  
1967, pp 202-204.  
HB 7401

Sci/bat  
June 68

358,230

Experiments on the Solidification of Killed Steels,  
by H. Iijima & K. Inamoto.  
JAPANESE, per, Tetsu-to-Hagane, Vol 53, No 3,  
1967, pp 227-230.  
\*HB 7360

Sci/Mat  
Mar 68

Results of Industrial-Scale Use of a Pulsating  
Elast Furnace, by K. Kurota.  
JAPANESE, per. Issei To Nagano, Vol 53, No 3,  
1967, pp 254-256.  
HB 7307

Sci/Mat  
Feb 68

349,449

High Efficiency [Blas Furnace] Tuyeres, by C.  
Sakai et al.  
JAPANESE, par, Tetsu To Hagane, Vol 53, No 3,  
1967, pp 264-267.  
RB 7255

Sci-Mat  
Oct 67

343,059

Replacement of O. H. Furnaces by a Basic  
Oxygen LD Furnace with an Interchangeable Vessel,  
by H. Nakagawa et al.  
JAPANESE, per, Tetsu To Kagaku, Vol 53, No 3,  
1967, pp 279-281.  
HB 7256

Sci-Mat  
Oct 67

343,061

Temperature Measurement in Dense Oxygen (r.n.)  
Furnace during Flow, by K. Kamoda and A.  
Okazaki.  
JAPANESE, per, Travaux de Chimie, Vol 53, No 3,  
1967, pp 261-283.  
NB 7254

Sci-Mat  
Oct 67

343,062

The Quality of Carbon Steel Forgings from  
Billets of Steel Made by the Basic Oxygen (LD)  
Process and Continuously Cast, by Sh. Koike and  
A. Kimura.  
JAPANESE, ser, Tetsu To Hammett, Vol 53, No 4,  
1967, pp 500-503.  
HB 7237

Sci-Mat  
Oct 67

343,064

Determination of Oxygen Content in Molten Steel  
by EMF Measurement, by Y. Nakagawa and Y. Shiga.  
JAPANESE, per. Tetsu to Kagaku, Vol 53, No 4,  
1967, pp 549-551.  
\*INISI 5836

Sci-Int  
Oct 67

~~340,818~~

Measurement of Tensile Properties of Steel with  
a High-Speed Impact Tension Testing Machine.  
by S. Sakai.

JAPANESE, per. Tetsu to Hagane, Vol 53, No 4,  
1966, pp 739-741.

HISI 5130

Sci-Mat  
Mar 68

349,247

Effect of Additives on the Drying of Green Iron  
Ore Pellets, by M. Wada and O. Tsuchiya.  
JAPANESE, per. Tetsu to Hagane, Vol 53, No 5,  
1967, Lecture 4, p S 1.  
RB 7095

Sci-Meth and Equip  
Dec 67

346,570