

Stern-Ramp Trawler TIHO I.
GERMAN, per, Hansa, No 10, May 1967.
Dept of Commerce
Maritime Admin

Sci/Mech
June 68

359,282

ISO Containers From the Technical and Economic
Point of View, 11 pp, by Horst Hebel, ~~er~~,
GERMAN, per, Hansa, No 12, June 1967, pp 1043-1054
Dept of Commerce
Maritime Administration

332,128

EE-Econ
Sept 67

Cargo Handling Techniques at the Hanover Fair,
1967, 6 pp, by Jorn Turner,
GERMAN, per, Hansa, No 13, July 1967, pp 1177-84,
Dept of Commerce
Maritime Administration

332,128

9

EE-Icon
Sept 67

News From the Soviet Union, 3 PP,
GERMAN, per, Hansa, No 15, Aug 1967, PP 1303-4,
Dept of Commerce
Maritime Administration

332,130

CLASSIC
EE-Per
Econ

Technical Reliability, 1967.P 7.
GERMAN, per, Hansa, No 16, Aug. 1967
pp 1415-18
Dept of Comm
Maritime Administration

332,138

Sci-Methods &
Equipments
Oct 67

The Present State of Overseas Container Shipping,
by Gerd Möller, 10 pp.
GERTMAN, per, Hansa, No. 21, Nov 1967,
pp 1782-1786.
Dept of Comm
Maritime Admin

EE/
Econ
Jan 68

345,951

Personnel Problems of German Ocean Shipping as
Reflected in a Poll, 7 pp.

GERMAN, par. Hansa, No 1, Jan 1968, pp 5-8.

Dept of Comm

Maritime Administration

EL/Scon
Mar 68

351,131

The Containment Vessel for the Nuclear Ship
Otto Hahn.

GERMAN, per, Hansa, No 6, Mar 1968.

Dept of Commerce

Maritime Admin

Sci/Nucl Sci
June 68

359,283

Schlepper "janus", by J. Pfennigstorf.

GOVERNMENT USE ONLY

GERMAN, per, Hansa, Vol 105, No 10, 1968, pp 885-889.

*Dept of Navy NavyShips Trans No 1135

See Cheryl
Sept 68

Some Aspects of Designing Fast Ships With Larger
Capacity, by Hans Langenberg.
GERMAN, per, Hansa, No 19, Oct 1968, pp 1653-1657.
Dept of Comm

Sci/Mech
Jan 69

354,813

The Use of Containers on Fishing Vessels,
by Heinoold Ritter.
GERMAN, per, Hansa, No 19, Oct 1968, p 1659.
Dept of Comm
Maritime Administration

Sci/Mech
Dec 68

354,782

Problems of Ship Design and Ship Safety of the
Nuclear Research Ship Otto Hahn, by G. Wolsin.
GERMAN, per, Hansa, Nov 1968, pp 1967.
Dept of Commerce
Maritime Admin.

Sci-Navi
Feb 69

375,335

The Stern Trawler "Sonne", Bypp.
GERMAN, per, Hansa, Vol 106, No 7, 1969,
pp 572-574.
Dept of Interior
Bureau of Commercial Fisheries
Office of Foreign Fisheries
A-29-June 1969-No 171
On Loan

Sci-Me sh
Nov 69

396,833

Testing the Influence of Shop-Primers on the
Strength of Weld Joints in Shipbuilding,
by O. Talleen,
GERMAN, per. Hansa, Vol 106, No 10, 1969.
NLL Ref: 9022.065 (3095)

Sci/Mech Engr
Apr 70

405,775

The Determination of Serviceability of Hatch
Covers in Container Ships, by R. Alte,
GERMAN, per. Hansa, Vol 106, No 10, 1969, May,
pp 909-916.
NLL Ref: 9022.065 (3113)

Sci/Mech Engr
Apr 70

405,764

English Title Unknown, by Ort Mannheim,
GERMAN, rpt, HANSA-Archidhart-Schiffbau-
Jafen-104 Jahrgang 1967-Messe-Sondernummer.
*Dept of Navy/Navships Tr No 1048

Jul 67

Noise Abatement Measures on Rhine Passenger
Vessels and Pusher Tugs, by Mannheim Ort.
GOVERNMENT USE ONLY PRIOR APPROVAL OF THE
COMMANDER, NAVAL SHIP SYSTEMS COMMAND
GERMAN, per, Hansa-Schiffahrt-Schiffbau-
Hafen, vol 104, 1967, pp 588-592.
Dept of Navy NavShips Trans No 1048

Jan 69

373,290

Buoy-Laying Motor Ship "Solthorn"; by
J. Knust.

GOVERNMENT USE ONLY

GERMAN, per, Hansa-Schiffahrt-Schiffbau
Hafen, Vol 105, No 18, 1968, pp 1527-
1536.

Dept of Navy NAVShips Trans No 1158

Sci-Mech

May69

380,933

Tugboat Equipped with Voith-Schneider Propulsion,
by D. Hillmer.

GOVERNMENT USE ONLY

GERMAN, per, Hansa Schiffahrt Schiffbau Hafen,

Vol 106, No 12, 1969, pp 1122-1123.

Dept of Navy NavShips Trans 1196

Sci-Mech

Oct 69

393,349

Schottel-Power Units for Propulsion and Control
of Dredgers and Dynamic Positioning of Floating
Drill Rigs, by O. Bussemaker.

GOVERNMENT USE ONLY

GERMAN, per, Hansa Schifffahrt Schiffbau Hafen,
Vol 106, No 17, Sept 1969, pp 1491-1502.
Dept of Navy NavShips Tr No 1205

Sci-Mech
Feb 70

401,659

Antwerps Container Installation.

GERMAN, per, Hanna-Schiffahrt-Schiffbau-Hafen, No 7,
Jan 1970, pp 512-522.

DIA IN 1177-70

May 71

On Propeller-Excited Vibrations on Ships, by
H. Kerlen, 27 pp.
GERMAN, per, Hansa-Schiffahrt-Schiffbau-Hafen,
Vol 107, No 12, 1970, pp 1031-1039.
NAVSHIPS-Tr-1247

Nov 71

Structures of Layers Produced by Bath
Nitriding and by Nitriding in Ammonia
Atmospheres with Hydrocarbon Additions,
by B. Prenosil.
GERMAN, per, Harterei-Techn. Mitt., Vol 20,
Apr. 1965, pp 41-49.
BISI 4720

Sci-MQM
- Jul 66

Testing of Bath-Nitrided Parts,
by B. Finnmern.

GERMAN, per, Warterei-Techn. Mitt, Vol 20,
Apr 1965, pp 50-57.

DISI 4721

Sci-MQIN
Jul 66

303,883

On Diffusion Processes in the Study of Making Hard Metals, by O. Schaaber.

GERMAN, per, Harterei-Techn Mitt, Vol 20, 1965, pp 238-241.

*NTIS/NBS TT 71-55155

Available NBS Only

June 71

The Influence of Hardening Technique on Core
Toughness and Fatigue Strength of Chromium-
Manganese and Nickel-Chromium-Containing
Carburizing Steels, by H. Tauscher, E.
Stecher.

GERMAN, per, Hart. Techn. Mitt., Vol 29, No 4,
1965, pp 253-267.

DESI 5132

314,526

Sol - Materials
Jan 67

The Influence of Salt Bath Corrosion on
the Alternating and Pulsating Fatigue
Strength of Smooth and Notched Specimens
of Drawn, Plain C. 45 Steel, by C. Soeger.
GERMAN, per, Material-Tech. Mitt., Vol 21,
1966, pp 34-36.
LIT 4988

Sci-Materials
Oct 66

310,507

On the Problem of Hardenability, by G. Schaaber.
GERMAN, per, Hart Techn Mitt, Vol 21, 1966,
pp 102-110.
GB 45/5080 - 180 s

Sci/Mat
July 69

386-029-

Diffusion of C and N in Austenite of Fe-C-N
Alloys, by B. Pronosil.
GERMAN, per. Werkstoff-Tech. Mitt. No 21, 1966,
pp 124-137.
*HSS TT 70-57540

Sci-Mat
Aug 70

The Carburisation of Case-Hardening Steels
in the Temperature Range Between 920 and
1100°C, by A. Randak, E. Kidarls.
GERMAN, per, Hart. Techn. Mitt, Vol 21, No 3,
1966, pp 190-198.
BISI 5231

321, 314

Sci - Materials
Apr 67

Mechanical Properties of Carbonitrided
Steels, by B. Prenosil.
GERMAN, per, Hart. Techn Mitt, Vol 21,
No 3, 1966, pp 199-209.
BISI 5232

Sci - Materials
Apr 67

321,827

The Present State of Development in Nitriding,
by H. Michael.
Chem. Abstr., Eng. Techn. Art., Vol. 21, No. 4,
1966, pp. 265-270.
*CIAT 5516

Sci/ Materials
Apr 67

Technical Properties of Carbonitride Steels -
Part 2, by A. Prasol.
Sov. Tech. J. Techn. Sci., Vol 11, No 4,
p. 271-283.
*BISI 3530

Sci/Materials
May 67

Induction Surface Hardening and Residual Stresses,
by H. Staudinger.

GERMAN, per, Mart. Tech. Mitt. Vol 21, July 1966,
pp 111-123.

***BISI 8925**

Sci/Mat
Jan 71

Mechanism of Growth and Structural Constitution of the Iron-Boride Layer and Diffusion Zone Produced when Boronizing Iron in the Presence of Carbon, by H. Kunst
GERMAN, per, Harterei-Technische Mitteilungen,
Vol 22, No 1, 1967, pp 1-12.
HB 7122-I

Sci-Materials
Aug-68

362,118

Mechanism of Growth and Structural Constitution
of the Iron-Boride Layer and Diffusion Zone Pro-
duced when Boronizing Iron in the Presence of
Carbon, Part II, by H. Kunst, G. Schaaber.
GERMAN, per. Fortschritt-Technische Mitteilungen,
Vol 22, No 1, 1967, pp 12-25.
HB 7122-II

Sci-Mat
Sep 68

365,574

Influence of Heat-Treatment on Properties of
Sintered, Ferrous Materials. I, by R. Chatter-
jee-Fischer and O. Schaaber.
GERMAN, per. Hart.-Techn. Mitt., Vol 22, No 2,
1967, pp 132-139.
*BISI 5891

Sci-Mat
Nov 67

Relationship Between Carbon Diffusion and
Temperature Distribution Within A Charge,
by K. H. Brokmoier.
GERMAN, per, Hart.-Techn. Mitt., Vol 22, No 2,
1967, pp 141-147.
BISI 5903

Sci-Mat
Mar 69

377,315

Effect of Heat-Treatment on the Fatigue
Behaviour of Chromium-Molybdenum Steels,
by P. Rabbe, G. Pomsy.
GERMAN, per, Hart. Techn. Mitt., Vol 22,
No 3, 1967, pp 204-213.
BISI 6080

Sci/Mat
Dec 68

354,412

Effect of Tempering Temperature on the Fatigue
Strength of Longitudinal and Transverse Steel
Samples of Various Cleanness, by A. Buch
GERMAN, per, Hart.-Techn. Mitt., Vol 22,
1967, pp 155-157.
BISI 5904

Sci-Materials
Feb 69

369,647

Effect of Surface Treatment on the Fatigue
Properties of Steel, by A. Iach, J. Chodorowski.
GERMAN, per, Hart.-Techn. Mitt., Vol 22,
Jul 1967, pp 157-159.
BISI 5920

Sci-Mat
Jan 69

370,754

Relation Between Alternating Bonding
Strength and Internal Stress Distribution
of Case-Hardened Steels, by K. Hemmer.
GERMANY, per, Hart.-Techn. Mitt., Vol 22,
July 1967, pp 160-165.
BISI 5905

Sci/Materials
Jan 69

353,172

Alternating Bending Strength and the
Effect of Non-Metallic Inclusions on the
Fatigue Fracture of Case-Hardened Steels,
by P. Vodopivec, L. Kosec.
GERMAN, per, Hart.-Techn. Mitt., Vol 22,
July 1967, pp 166-173.
BISI 5906

Sci/Materials
Jan 69

353,173

Increase in Fatigue Strength of High-Strength
Alloy Structural Steels by Salt-Bath Nitriding
in Relation to Core Strength and Nitriding
Time, by B. Finner, H. Krazyminski.
GERMAN, per. Hart.-Techn. Mitt., Vol 22,
Jul 1967, pp 173-177.
BISI 5911

Sci-Mat
Jan 69

370,753

Some Data of the Fatigue Properties of
Nitrided Steels, by T. Konkoly.
GERMAN, per, Hart.-Techn. Mitt., Vol 22,
Jul 1967, pp 178-180.
BISI 5907

Sci-Mat
Jan 69

370,751

The Combined Effect of Individual Factors on
Raising the Alternating Bending Fatigue
Strength of Case-Hardened Test Pieces, by
H. Wiegand and G. Tolasch
GERMAN, per, Hart. Techn. Mitt, Vol 22, Oct
1967, pp 213-220.
BISI 6081

Sci-Materials
Feb 69

369,566

Fatigue Tests on Steel Specimens Coated
With a Sprayed Metal Deposit, by H.D. Steffens
and H. Bastert,
GERMANY, per, Hart.-Techn. Mitt., Vol. 22,
1967, No. 3, pp. 221-232.
*BISI 6106

Sci/Materials
Jan 68

Techniques of Studying the Fatigue
Behaviour With Special Reference to
Torsion Loading, by H. de lairis.
GERMAN, per, Hart.-Techm. Mitt., Vol 22,
No 4, December 1967, pp 257-261.
BISI 6333

Sci/Materials
Jan 69

353,152

Observations in the Surface Impregnation
of Steel with Boron, Part III., by
H. Kunst, O. Schaaber,
GERMAN, per, Harterei-Technische Mitt.,
Vol 22, No 4, 1967, pp 275-284.
HB 7122-III

Sci-Mat
June 69

383,289

The Influence of Alloy Additions on the
Carbon Content of Carburized Case-Hardening
Steel, by S. Gunnarson.

GERMAN, per, Harterei-tech. Mitt., Vol 22,
No 12, 1967, pp 293-295.

NLL Ref: 9022.4 (68/35)

Sci-Mat
Jan 69

372.653

Intensity and Lattice Constant Measurements
on Martensite and Austenite, by E. Hanke,
G. Ziegler.
GERMAN, per, Harterei-tech. Mitt., Vol 22,
1967, pp 296-308.
NLL Ref: 9022.4 (68/36)

Sci-Mat
Jan 69

372,654

Effect of Structure of the Edges of
Case-Hardened Gear Wheels on Suscepti-
bility to Pitting, by C. Razin.
GERMAN, per, Art. Techn. Mitt., Vol 22,
No 4, 1967, pp 317-325.
BISI 6328

Sci/Materials
Jan 69

353,151

Boronizing Processes, by H. Kunst and O. Schaabber.
GERMAN, per, Art. Techn. Mitt., 1967, Vol 22, No 10.
*HB 7326.

Sci/materials
January 1968

Fatigue Behaviour of Case-hardened Samples,
by L. Siegmund, G. Tolachen.
C.P.A., per, Mart.-Techn. itt., Vol 22, No 12,
December 1967, pp 339-358.
GdL 6320

Sci-Mat
May 69

382,418

Influence of Residual Austenite on the Strength
Properties of Case-Hardened Test Pieces during
Fatiguing, by C. Razin. GERMAN, per, Hart-Techn Mitt.
Vol 23, Apr 1968, pp 1-8.
BISI 6448

Sci/Materials
Jun 69

383,051

Experience Gained During Heat-Treatment of Drop
Forgings From The Working Temperature, by

R. Werner, H. Zeilinger.

GERMAN, per, Mart.-Techn. Mitt., Vol 23, No 1,
1968, pp 27-34.

BISI 6546

Sci-Materials

Apr 69

377,779

Effect of Microstructure on Hardness and
Toughness of Structural Steels, by A. Legat,
A. Moser.

GERMAN, per, Hart.=Techn. Mitt., Vol 23, April
1968, pp 10-14.

BISI 6511

CRL/T. 3925x

Sci-Mat
May 69

382,435

Fatigue Tests With High-Strength 35 NCD 16
("AFNOR") Steel, by G. Ladoux.
GERMAN, per, Mart.-Techn. Mitt., Vol 23, No 4,
April 1968, pp 14-21.
BISI 6530

Sci-Mat
May 69

382,436

The Problem of Control of Case Depth
Using Fractures Specimens and Etched
Macrosections; Results of Co-operative
Tests Carried out Under the Auspices of
the Committee on Methods of Determining
Case Depth, by R. Chatterjee-Fischer.
GERMAN, per, Marterei-Techn Mitt, Vol
23, 1968, pp 35-40.
NLL Ref: 9022.4 (68/146)

Sci-Mat
Mar 69

376,988

Formulae for Hardenability, by E. Just.
GERMAN, per, Harterei-Tech-Mitt, No 23, 1968,
pp 85-100.

NLL Ref: 9022.401 (746-4)

Sci/Phys
Apr 69

330,260

Further Development of Gas-Carbursing Techniques,
by J. Wunning.
GERMAN, per, Hartel-Tech, Mitt, Vol 23, 1968, pp.
101-10.
NLL Ref: 9022.401 (746-5)

Sci-Materials
July 69

388,381

Experiments on Carburization by Electrolytic
Heating, by E. Nicholson.

OSCAR, Sci. Ind. - Admin. Bull., Vol 23, No 7,
1968, pp. 110-115.

DTIC 6682

Sci/Materials

june 69

384,176

The Influence of Temperature and Composition
During Carbonitriding, in Cyanide-Cyanate
Containing Salt Baths, by G. Prenosil.
GERMANY, per. Mart. Tech. Mitt., Vol 23, 1968,
pp. 216-226.
NLL Ref: 9022.401 (747/45)

sch-chem
sept 69

500,212

Contribution to the Metallurgy of Gas Carbur-
ization, by F. Neumann and B. Person,
GERMAN, per/ Hart. Techn Mitt., Vol 23, Dec.,
1968, pp 296-310.
BISI 7266

Sep 71

Strength Investigations in the Static Bend Test
on Hardened Case-Hardening Steel 18 NiCrMo 14
After Carburizing and Carbonitriding in a Gas
Atmosphere, by E. Henke and H. J. Laudenberg.
GERMAN, per, Hartered-Techn. Mitt., Vol 24,
No 81-91; 1969, pp 171-179.
BISI 8204

scimat
jan 71

Influence of Austenite Grain Size on the Properties of 16 MnCr 5 Steel, by A. Randak and R. Eberbach.

GERMAN, per, Harterei-Techn. Mitt., Vol 24, 1969, pp 207-209.
BISI 8150

sci/mat
jan 71

**Internal Stress Measurements by X-Ray Techniques
on Martensite and Residual Austenite in Case-
Hardened Steels, by L. Weigel, et al.**

**GERMAN, per, Harterei-Techn Mitt., Vol 24, 1969,
pp 225-232.**

BISI 8147

Sci-Mat

Sep 70

Metallurgical Aspects of the Heat Treatment
of Steel Castings, by P. Detrez and M. Leger,
GERMAN, per. Harterei-Techn. Mitt., Vol 24,
No 4, Dec., 1969, pp 276-285.
*BISI 9064

Mar 71

Nitriding of Steel in Nitrogen - Ammonia Mixture
by A.M. Minkevich and Yu. V. Sorokin,
GERMAN, per. Harterei-Techn. Mitt., Vol 25,
Apr 10-16, 1970.
BISI 8749

Influence of Alloying Elements on the Carbon
and Nitrogen Content of Carbonitride Case-
Hardening Steels'. by L. Salonen
GERMAN, per. Harterei-Techn. Mitt., Vol 25,
1970, pp 161-164.
BISI 9180

Feb 72

Investigation of the Physico Chemical Processes
Which Take Place During Heating on the Steel/
Entothermic Atmosphere Interface, by S. Mantea.
GERMAN, per, Hart. Techn Mitt, Vol 25, No 3, 1970,
pp 164-167.
BISI 9544

Nov 71

Machinability of a Case-Hardening Steel,
by S. Gunnarson,
GERMAN, per. Harterei - Techn. Mitt., Vol 25,
1970, pp 266-270.
*BISI 9409

June 71

The Problem of Carbon Transfer During Gas Car-
burizing, by R. Meyer,
GERMAN, per. Harterei-Tech. Mitt., 26, 1971,
pp 85-92.
BISI 9964

Sep 72

HANS CHRISTIAN

The X-Ray Method of Measuring Stress and its uses
in Determining the States of Stress in Surface-
Treated and Heat-Treated Samples, 54 pp.
HTM (HARTEREI TECHNISCHE MITTERLUNGEN, Vol 26, No 3,
1971, pp 180-198.
AEC/RFP-Tr-128-73

Feb 73

ROSENBERG, J. Objectives in the breeding of beef cattle
Hasodeh 40(1):76-8 (1959) (CSIRO/No. 10232

Velocity-Measurement Installation. 26 pp.
SWEDISH, rpt, Hastighetsmatanläggning. 6 Feb 1967
ACSI J-2541
ID 2892000867

Mil
Aug 67

331,395

Fragment-Velocity Measurement With Drum Camera
26 pp.

SWEDISH, rpt, Hastighetsmatning pa Splitter med
Trunkamera. 6 Feb 1967

ACSI J-2541

ID 289200867

111 Aug 67

331,392

Process Control in the Manufacture of Oxygen
Steel, by H. Kronmüller.

GERMAN, per. Haus der Technik. No 117, 1967.
pp 25-34.

*BISI 6548

Scl/Kat
Aug 68

Effect and Side Effect of Plastic Injections, by
R. Schulmachers. 14 pp.

GERMAN, per, Der Hatarzt, Vol 16, No 10, 1965,
pp 458-465.

ACSI J-8071

ID 2204002370

Sci-B&M

Jul 70

Investigations on the Etiology of Andro-
genetic Alopecia in Women, by E. Vadasz.
EUROPEAN, per, Hautarzt, Vol 18, 1967, pp 454-
455.
NTC-71-15064-06E

Feb 72

Recent Immunological Developments in Dermatology,
by W. P. Herrmann, 10 pp.

GERMAN, per, Der Hautarzt, Vol 20, No 7, 1969,
pp 293-296.

ACSI J-8339

ID 2204008970

Sci/B&M

June 70

Experimental Investigation on the Question of
Beryllium Sensitizing, by E. Zschunke and
H. Folesky.
EUROPEAN, per, Hautarzt, Vol 20, 1969,
pp 403-404.
NTC 71-14503-06J.

Feb 72

Hair and Hair Surface. Variations
of Structure and Cuticle Pattern of
Various Hairs and Various Hair Cut-
tings, by G. Mahrle.

EUROPEAN, per, Hautarzt, Vol 22,
No 3, 1971, pp 113-120
NTC 72-11537-06P

June 72

II. Roeckl.

About the "Therapy" of the So-Called Perioral
Dermatitis.

GERMAN, per, Hautarzt, Vol 22, 1971, pp 527-531.

NTC 72-13642-06E

Nov 72

Standard of Living of Career Volunteers Corporals
and Enlisted Men.
FRENCH, per, Hebdomadaire Militaire, No 46, 13 Nov 1970.
DIA LN 928-71

Oct 71

Improved Motor Grabs as a Contribution to
General Improvement of Freight Transportation,
by H. Hage, H. Schuster, 13 pp.
For OFFICIAL USE ONLY
GEMMEL, per, Lebezeug und Pordenmittel,
No 1, 1965, pp 6-9. 969142
POTC 661-103-545

Sci -
SI-Germany
Hear
Oct 65

285,655

Mechanical Handling in a Tube Mill,
by G. Reich.
GERMAN, per, Hebezeuge und Fördermittel,
Vol 5, Apr. 1965, pp 97-100.
BISI 4778

Sci-M&M
Jul 66

303,885

Mechanical Handling Equipment at the
Leipzig Jubilee Fair 1965, by H. Pricer,
21 pp. FOR OFFICIAL USE ONLY
GDRMW, per, Bezeugungs und Fortsmittel,
Vol 7, no 5, 1965, pp 129-135, 142.
9699560

FTC 381-TGS-008

ACSI 1-8757

ID 2204059565

Sci - Eng

Feb 66

296,566