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- HB 7757 (I. K. Boriskin and M. S. Bykov)
The reduction of sinter pre-reduced to metal during sintering.
[Izvest. vuz-chem. Met., vol. 13, 1970, #4, 51-54] (R)
- HB 7621 (O. Hatarascu and Gh. Atanasiu)
Studies of the production of pre-reduced pellets.
[Metalurgia (Bucharest) vol. 20, 1968, #8, 454-457] (Ro)
- Refractory Materials**
- HB 8221 (L. Ya. Fridman et al.)
The selection of stable mortars for lining continuous-casting tundishes.
[Ogneupory, vol. 35, 1970, No. 6, 20-25] (R)
- Blast Furnace Practice & Production of Pig Iron & Ferro Alloy**
- HB 8197 (A. D. Gotlib et al.)
Gas distribution and utilization in the blast furnace with varying amounts and compositions of the hearth gases in individual tuyere zones.
[Metallurg. i gornorudn. Promyshlennost', vol. 11, 1970, No. 1, 5-8] (Ru)
- HB 8225 (J. Kugler, et al.)
Nondestructive testing of copper cooling elements for the blast furnace.
[Stahl und eisen, vol. 90, 1970, #10, 522-526] (G)
- HB 7742 (V. Maly et al.)
The C-H process of production of iron and simultaneously of hydrogen.
[Hutnicke listy, vol. 24, 1969, No. 1, 1-4] (Cz)
- Production of Steel**
- HB 8231 (A. I. Chizhikov et al.)
Experiments on the use of iron powder in the production of continuously cast billets (and slabs).
[Izvest. vuz-chem. Met., vol. 13, 1970, No. 6, 48-52] (R)
- HB 8228 (K. H. Thielker)
Scrap-preheating installations in electrical steel plants. Part I; Practical experience with a preheating plant for a hundred ton arc furnace.
[Stahl und eisen, vol. 90, 1970, #10, 526-529] (G)
- HB 8244 (O. A. Shatagin et al.)
Continuous casting of carbon steel slabs.
Translated from "Problemy Stal'nogo Slitka" (Problems of steel Ingots). Trudy III Konf. Po slitku (Proceedings of the Third Ingot Conference)
[Metallurgizdat Press. Moscow, 1969, 393-396] (R)
- HB 7741 (B. Rewienska-Kosciukowa et al.)
On the origin and the quantity of exogenous inclusions in steel determined by means of non-radioactive tracers and by activation analysis.
[Hutnik (Poland), vol. 34, 1967, No. 12, 576-580] (Po)
- HB 8160 (M. I. Dzyuba et al.)
Utilization of synthetic slag in the centrifugal casting of alloy-steel tubular billets.
[Metallurg. i gornorudn. Promyshlennost', vol. 10, 1969, No. 6, 35-38] (R)
- HB 8233 (A. V. Puzyrev et al.)
The surface tension of liquid constructional steels.
[Izvest. vuz-chem. Met., vol. 13, 1970, #6, 14-15] (R)
- Foundry Practice**
- HB 8173 (H. Moritz)
Production and processing of continuously-cast steel semiproducts with a square, rectangular, round or similar cross section.
[Stahl und eisen, vol. 90, 1970, No. 4, 167-175] (G)
- Heat-Treatment, Heat-Treatment Furnace, Reheating Furnace & Soaking Pits**
- HB 7716 (L. Hyspecka and K. Mazanek)
Influence of ausforming on the mechanical properties of constructional steels.
[Fiziko-khim. Mekhanika materialov, vol. 3, 1968, #5, 517-524] (R)
- Rolling & Rolling Practices**
- HB 7702 (O. A. Semenov et al.)
Rolling of 1.0% C, 1.5% Cr ball bearing steel tube on a cold pilger mill.
[Metallurgich. i gornorudn. Promyshlennost', 1968, No. 5, 28-30] (R)
- HB 8161 (N. P. Koteshov et al.)
Improving the quality of low-alloy magnesium-inoculated cast iron rolls.
[Metallurg. i gornorudn. Promyshlennost', vol. 10, 1969, No. 6, 57-59] (R)
- HB 8263 (B. Odintsov)

Cold pilgering of tubes.

[Neue hutte, vol. 15, 1970, No. 3, 278-283] (G)

HB 8154 (F. Gutlbauer)

New type of strip thickness control for hot and cold rolling mills.

[Technische mitteilungen krupp, vol. 27, Dec. 1969, No. 4, 133-136] (G)

HB 8202 (I. V. Karpenko et al.)

Effect of the lubricant on the process of hydro-extrusion of bearing steel.

[AISI E 52 100]. Fiz.-khim. mekh. mat., vol. 6, 1970, #2, 115-116] (R)

Welding

HB 8151 (M. Sohn and G. Knauth),

Determination of the preheat temperature for the welding of ordinary structural steels and medium-strength steels.

[Schweisstechnik (Berlin), vol. 19, 1969, no. 12, 534-370] (G)

HB 8204 (A. I. Zyubrik et al.)

Increasing the resistance to corrosion cracking of welded joints in carbon steel coupled with welding stress relief by plastic deformation.

[Fiz.-khim. mekh. mat., vol. 6, 1970, #2, 42-45] (R)

Plating, Protective Coatings, Cleaning Pickling

HB 8199 (A. B. Smirnov et al.)

High-chromium diffusion coatings on austenitic chromium-nickel steels.

[Fiz.-Khim. mekh. mat., vol. 6, 1970, #2, 16-18] (R)

Properties and Tests

HB 7983 (K. F. Starodubov et al.)

Impact toughness of medium-carbon steel at different strength levels.

[Dopovidi and ursr, 1969, No. 6, series A, 561-564] (Ukrainian)

HB 7832 (I. V. Shermazan et al.)

Effect of grain size and hardness on the energy of initiation and energy of propagation of cracks.

[Chern. Met., vol. 12, 1969, No. 3, 138-141] (R)

HB 8192-II (W. Koch, et al.)

Results of investigations into nonmetallic inclusions in C-1045 type steel Ck 45. Part II of effect of nonmetallic inclusions upon machinability.

[Archiv f. d. eisenhuttenwesen, vol. 41, 1970, #3, 273-275] (G)

HB 8223 (W. Bottcher et al.)

Ultrasonic search probe for the detection of longitudinal and transverse defects along predetermined test tracks.

[Materialprufung, vol. 12, 1970, No. 5, 170-172] (G)

HB 8261 (E. Almand.)

Influence of small additions of selenium on the transverse properties of constructional steels.

[Revue de metallurgie, vol. 66, 1969, No. 11, 749-761] (F)

HB 8286 (N. G. Antropova et al.)

Nonmetallic inclusions associated with defects in 13% manganese, 4% aluminum steel.

[Metallurg. i gornorudn. promyshlennost', vol. 11, 1970, No. 1] (F)

HB 8236 (S. L. Levin and A. Ya. Pokivailov)

Influence of deoxidation with silico-calcium on the properties of 13% manganese cast steel.

[Izvest. vuz-chern. met., vol. 13, 1970, #6, 53-54] (R)

Clad Steel, Powder Metallurgy & Hardfacing

HB 7986 (V. M. Vityugin and A. S. Bogma,)

Evaluation of the lump-forming capacity of fine granular materials.

[Izvest. vuz-chern. Met. vol. 12, 1969, No. 4, 18-22] (R)

HB 8152 (H. Kogel)

Metallographic investigations into explosive cladding.

[Schweisstechnik (Berlin) vol. 19, 1969, 537-41] (G)

HB 7714 (Gh. Suceveanu et al.)

Control of nitriding and sulfurizing processes in fused salt baths.

[Metalurgia (bucharest), vol. 20, 1968, #5, 268-72] (Ro)

HB 8200 (V. I. Pokhmurskii)

Influence of the surface impregnation of carbon steel with boron and copper on strength and wear resistance.

[Fiz.-khim. mekh. mat., vol. 6, 1970, #2, 18-21] (Ru)

Corrosion

HB 8203 (V. I. Gerasimov and A.V. Ryabchenko.)

Stand tests on 18-10 Ti austenitic stainless steel for stress corrosion under conditions of heat flow. [Fiz.-khim. mekh. Mat., vol. 6, 1970, #2, 38-42] (R)

Metallography

HB 8150 (P. Seyffarth.)

Comparison between the "classical" continuous cooling transformation (CCT) diagram and the welding-CCT diagram for steel St 45/60C.

[Schweisstechnik (Berlin), vol. 19, 1969, #12, 529-533] (G)

HB 8162 (A. Ya. Alyab'ev et al.)

Structural changes in fretting corrosion.

[Fiz.-khim. mekh. mat., vol. 1969, no. 6, 650-655] (R)

Analysis

HB 8186 (D. Aurich and E. Martin)

Prerequisites, possibilities, and limitations of grain size determination by ultrasonic attenuation measurement. [Archiv F. D. Eisenhuttenwesen, vol. 41, 1970, No. 3, 285-291] (G)

HB 8163 (W. Koch and H. Lemm.)

Combined rapid determination of the carbon and sulfur contents of steel. [Archiv eisenhuttenw. vol. 41, 1970, No. 5, 427-431] (G)

Miscellaneous

HB 8281 (J. B. Solomir)

Plasma spraying. Design, and application of the spraying plant. [Technische rundschau (Seitzerland), vol. 62, July 10, 1970, No. 28, pp. 3, 5, 7,] (G)