

1. **Kosnikov Gennadiy Alexandrovich.** The 80th anniversary of birth.
2. **Filippenkov Anatoliy Anatolievich.** The 75th anniversary of birth.
3. **Editorial board of «Russian Foundryman» magazine.**
4. **I.A. Dibrov, V.D. Belov, A.I. Dibrov.** 7th International BRICS Foundry Forum.
5. **G.A. Isaev.** 25th Anniversary of LLC «Unirep-Service».
6. **Yu.N. Loginov, R.K. Mysik, S.V. Brusnitsyn, A.V. Sulitsin.** Inhomogeneity of cast billet chemical composition as positive factor in producing of electrical machines collectors.

In the article a perspective technological scheme of cadmium bronze collector strips producing is presented. The technological process includes producing of cadmium bronze ingot with inhomogeneity of chemical composition in cross section. The central zone of billet is cadmium bronze and peripheral zone consists of copper. This cast billet is subjected to two-channel hot pressing to produce a two-layer collector strip preform. The wide part of collector profile is enriched with cadmium and the narrow part consists of copper. It makes possible to improve of service properties of electrical machines collectors.

Key words: cadmium bronze, ingot, semicontinuous casting, out-of-furnace alloying, collector strip, twochannel pressing, wear resistance, electroconductivity.

7. **M.A. Voevodina.** Design of gating system for production on bronze castings.

The article presents the results of the study the problem of obtaining high-quality castings of bronze, used in the mechanisms of agricultural machinery. Developed Gating funnel, allowing to provide a laminar mode of filling cavity molds, resulting in flotation of the slag inclusions in the upper (profitable) part of the molds.

Key words: Gravity die casting, nonmetallic inclusions, the flow regime of the melt, Gating funnel.

8. **V.M. Karpov, V.L. Popov, V.S. Balin.** Features of production of large-sized stone castings.

The results of the study of volumetric shrinkage of ferruginous silicate melts are presented. The efficiency of risers setting with dividing diaphragms is shown. Examples of practical use of the authors' development results in the production of large-sized stone castings are given.

Key words: stone casting, volumetric shrinkage, supply profits, dividing diaphragm, chill, monolithic lining, metallogeny section.

9. **I.A. Melnikov.** Automated Laempe core-making lines for cast engine blocks production in China.

The article deals with the experience of the modern Laempe core-making equipment for Chinese foundries as exemplified by the Teksid plant that produces particularly complex castings like the engine block. The advanced foundries of China prefer German core-making and molding equipment. The efficiency of the plant due to application of most advanced molding and coremaking technologies is shown.

Key words: core-making equipment, ColdBox, modernization, effective foundry production, advanced foundries of China, automation and robotization of production.

10. XIII International Foundry Congress and International Exhibition «Lityo-2017».