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**PARAMETERS OF HARDENING OF PLATINUM-PALLADIUM ALLOYS WITH ALLOY ADDITIONS IN
VIEW OF BAUSHINGER EFFECT**

The mechanical properties of alloys of platinum-palladium alloys with alloy additions are investigated. Along with standard performances: the strength, relative lengthening and hardness construct curve hardenings at various variants of trials. The technique of experiment consists in a

trial annealing and hardening by rolling is exemplar. On one of variants of trials the measurement of a resistance of a strain was produced at continuous forcing of a sample by a stretching force with fixing of strains in plastic area, therefore it was possible to receive a curve of hardening down to a degree of a shear strain 0,32. On the second variant a curve of hardening received by force hardening is exemplar at flat rolling and definition of a yield point is exemplar (technique A. V. Tretjakov, V. I. Zjuzin). The obtained curve has appeared located below obtained on the first variant with a difference in values of stresses up to 100 MPa. The third variant of reologic properties study consist in a construction of curve hardening for each hardening degree of a sample by rolling. On this variant, the curve hardenings had a very high gradient of stresses at a low degree of a strain before destruction. The magnitude of stresses necessary for translation of a material in a plastic condition has appeared various on all three variants.

Is detected, that the specified anomalies were by a corollary of display of Baushinger effect, and also anisotropy of performances of an rolled intermediate product. For exposition plastic deformation of such materials application the R. Mises plasticity condition reduces in the large errors. So it is expedient to use a R. Hill plasticity condition.