

only 15 minutes. Slightly larger than a household refrigerator, the furnace can easily be set up at any construction site.

"In this furnace," explained S. Zhiznyakov, head of the Welding Department, "electrodes are dried in a high-speed, extremely hot air current formed by the rotation of a specially-designed rotor. This type of furnace is especially useful in large-scale welding operations. It saves 470 kilowatt hours of electricity in the drying of a tonne of electrodes.

The authors of the invention are continuously expanding the range of application for this new and highly-effective technology. Cooperation with customers has already led to the manufacture of a number of furnaces for drying wood, marble, polymer-impregnated concrete, refractory compounds, and various loose materials.

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New Device to Remove Welding Flux and Trap Aerosols

Specialists of the All-Union Scientific Research and Technological Design Institute of Steel Structures (VNIKTstal'konstruktsiya) of the USSR Ministry of Installation and Special Construction have developed a gas apparatus (Certificate of Invention No. 1323289) which sharply reduces concentrations of harmful substances in the air that welders breathe. Concentrations are 2 to 3 times below allowable limits.