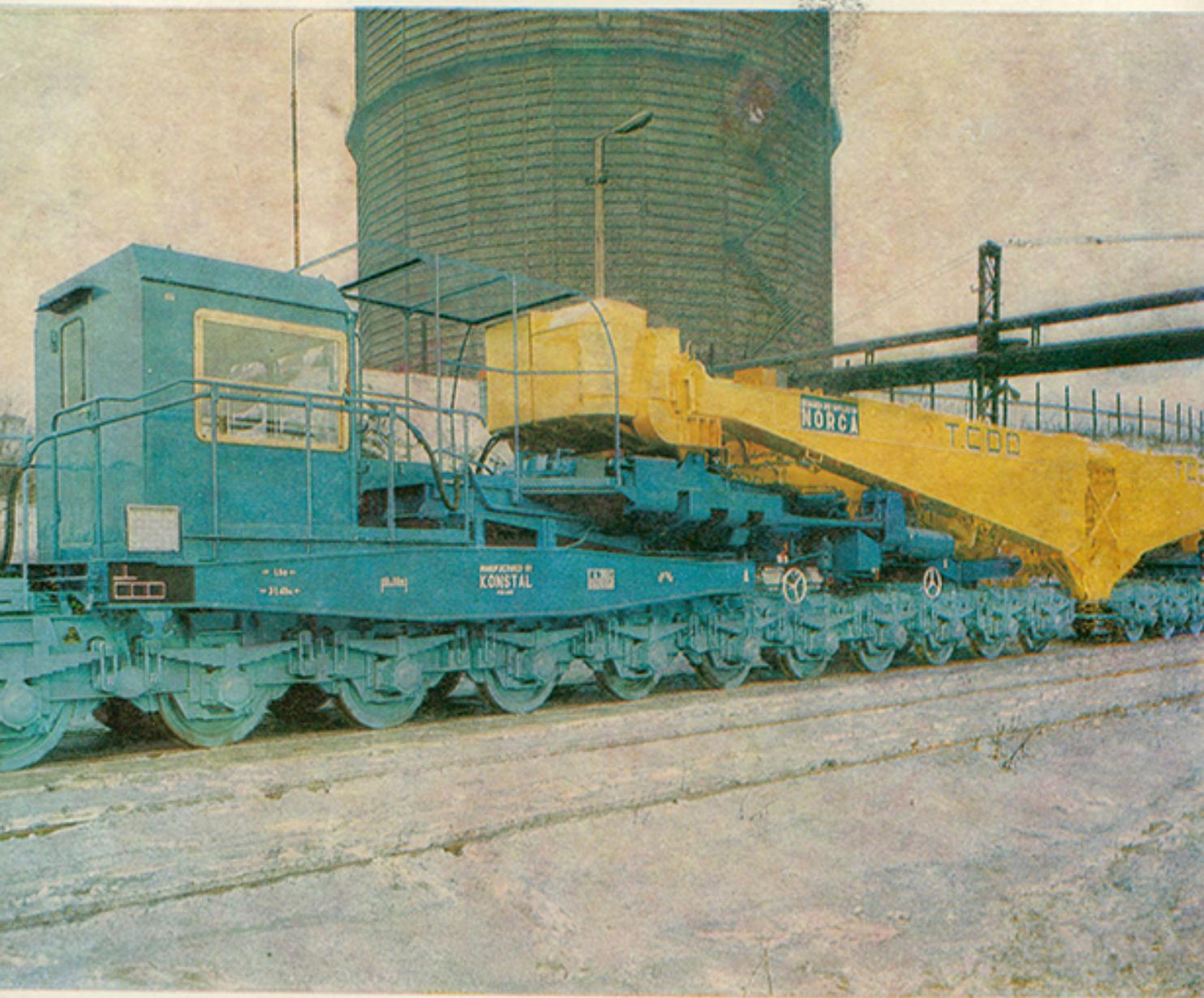




POLISH TECHNICAL REVIEW



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Rotary burnishing

Rotary burnishing improves the microprofile and the physical and mechanical properties of the outer layer of the machined products which is the reason for the propagation of this method of finishing in industry. The article on p. 2 deals with the respective achievements of the Institute of Machining in Cracow, especially with tools, unified in the Institute, and used for rotary burnishing of external and internal surfaces. The author discusses the types of studies conducted on the method of rotary burnishing together with some of the results obtained.

Cryogenics in medicine

The storage of blood, surgery, intraoperative examinations, gaseous nitrogen freezing are only some applications of cryogenics, a new field of medical technique. The article on p. 9 discusses this subject on the example of the research work conducted by the Cryogenics Laboratory of the Medical Engineering Centre in Warsaw. Fig. 2 is a general view of a cryotherapeutic device ensuring a local decrease of tissue temperature to 83 K.

Railway industry

In reference to no 3/1979, the present issue of PTR brings three more articles dealing with: diesel locomotives rated 1250 kW (especially a version of this locomotive adapted to the conditions of the Lebanon), manufactured by the H. Cegielski Metal Works in Poznań, electric heating couplings for wagons and apparatus boxes for electric heating of rail coaches meeting the requirements of international standards UIC. Page 14.

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