for electrodes to build up worn parts. Quick acceptance is expected, since users will have to keep only two electrodes in stock, instead of the many types formerly required.

Electro-Alloys Division has introduced "Supertherm," an alloy capable of giving long service in applications where temperatures reach as high as 2300° Fahrenheit. Parts made of the new alloy outperform and outlast those made of previous alloys, and will be specified by Electro-Alloys customers for severe heat conditions.

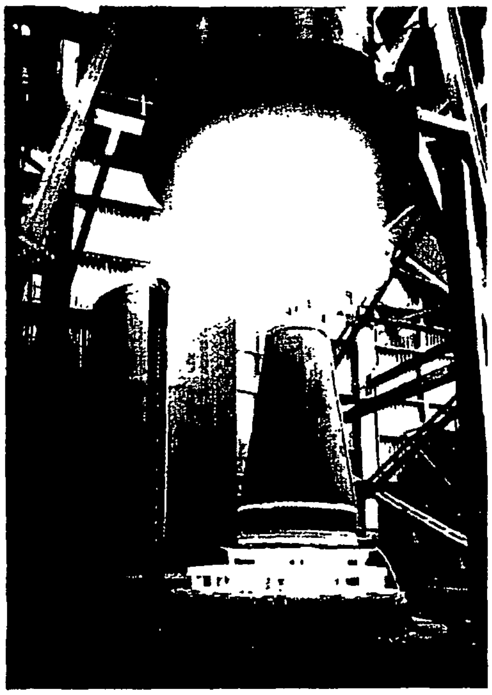
Precision iron castings made by Engineered Castings Division for automotive body dies have gained satisfactory acceptance among automobile manufacturers.

An improved version of the cartridge journal bearing unit for railroad freight cars has been developed for National Bearing Division and is ready for full-scale acceptance tests by the railroads. A new "flat-back" version of the traditional solid journal bearing has been developed, and has indicated its ability to reduce freight car bearing problems. This product is expected to enjoy increased volume in 1961.

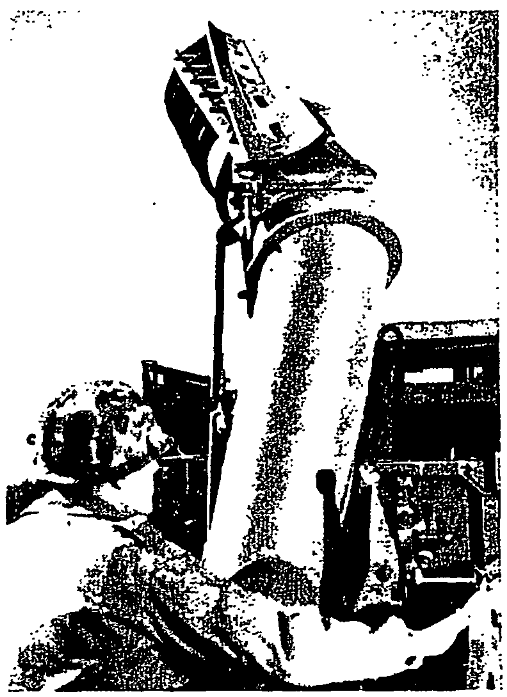
Successful manufacture of high-strength steel castings by ceramic molding methods has been developed by the Metallurgical Laboratory at Mahwah, New Jersey, and parts for critical defense applications are now in production.

The mining and construction industries [illegible] heavy equipment such as this [illegible] markets for American [illegible] Division's tough, long-wearing components.

Supertherm [illegible] made by Electro-Alloys Division [illegible] a brazing furnace. Supertherm [illegible] 2300°F temperature [illegible] for extended [illegible]



The launching track for the Army's Lacrosse missile is precision-cast by Engineered Castings Division. It replaces a more complex and expensive assembly made up of thirteen separate parts.



National Bearing Division is a major supplier of blast furnace parts and bearings to steel mills. Thousands of pounds of copper castings are used in the construction of a single blast furnace.

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