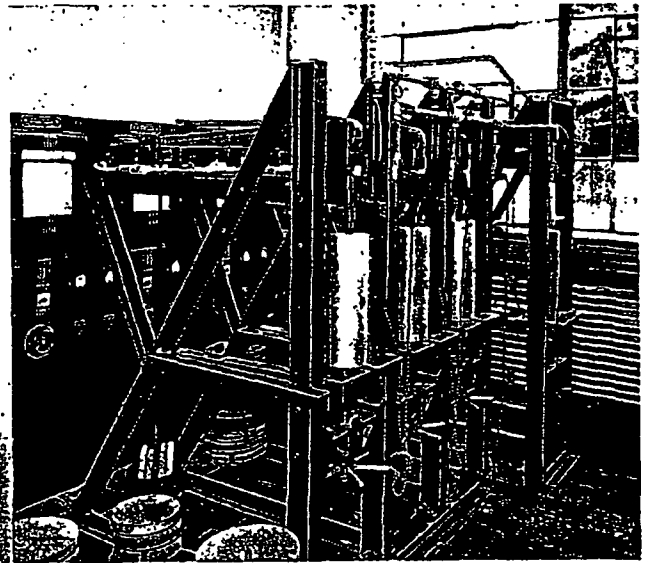


cabinet, and foundry sand control testing equipment. A darkroom is also included in the layout, and a viewer for X-rays and radiographs has been provided.

The metallurgical department operates essentially as a staff function, serving all plants of the company.

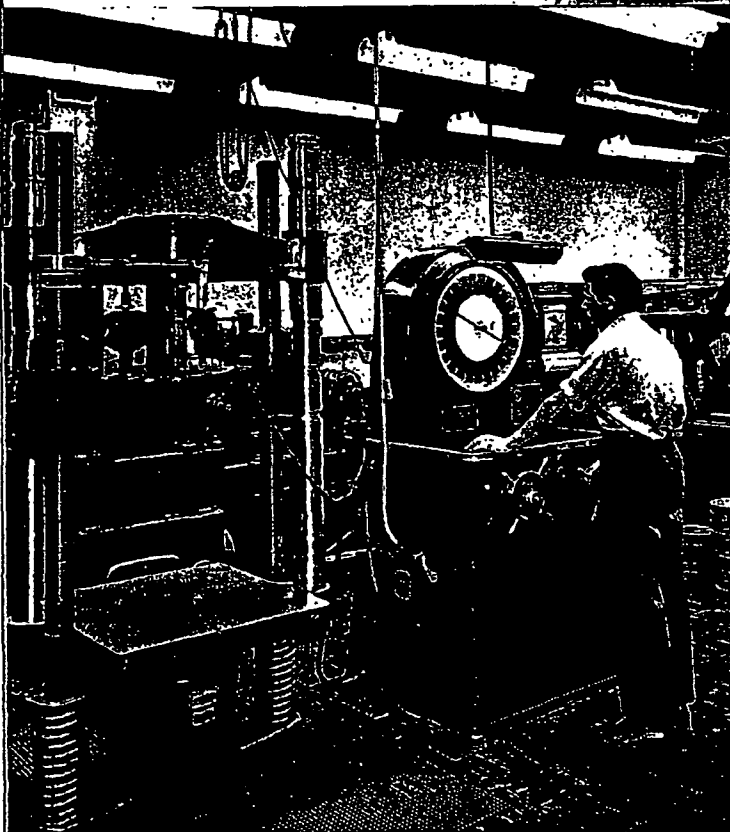
All incoming raw material of a critical nature receives chemical and physical testing against specification before it is released for production. Foundry control, heat-treating problems and practices, and welding problems constitute a major portion of the department's activities. But fundamental research is carried out on high-temperature materials for gas turbines and, at the other end of the scale, on low-temperature materials for oxygen plants.

One of the department's most vital activities concerns the investigation of field troubles. It is often possible to make recommendations which will eliminate trouble entirely or greatly prolong the life of equipment. In such cases, the user can be of real assistance in giving us as complete a service history as is possible.



High temperature creep and stress rupture furnaces for long-time high-temperature testing.

The Baldwin 120,000-lb hydraulic tensile testing machine. It is also equipped for short-time high-temperature testing.



Brinell and Rockwell hardness-testing equipment.

