A portion of the new Armour Research Foundation Engineering Research Building has been completed and is in use. But it is only one-fourth of the entire projected structure. The Department needs more equipment and more space in the near future, to carry on its present applied research work more efficiently, and to expand into other fields of vital importance to industry.

In addition to some of the key shops of the Research Services Department which convert paper plans and test tube experimentation into working models and pilot plants, the present structure also accommodates a host of vital research activities. These include the Oil Analysis, Electrical Engineering, Ceramics and Mineral, Applied Mechanics, Mechanical Engineering, Engine Research, Precision Gage, and Ohmite Electrical Laboratories—all handicapped by physical limitations of space.

A sizing machine for the textile industry, an automatic paper-box manufacturing machine, improved lubricants and internal combustion fuels, and dies for the ceramics industry are just a few of the products developed by these departments working in such industries and activities as ceramics, petroleum, textiles, refrigeration and air conditioning, equipment performance evaluation, thermodynamics, odor removal, appliance evaluation, and industrial and power plant analysis.

Cost of Armour Research Foundation Engineering Research Building: \$1,100,000