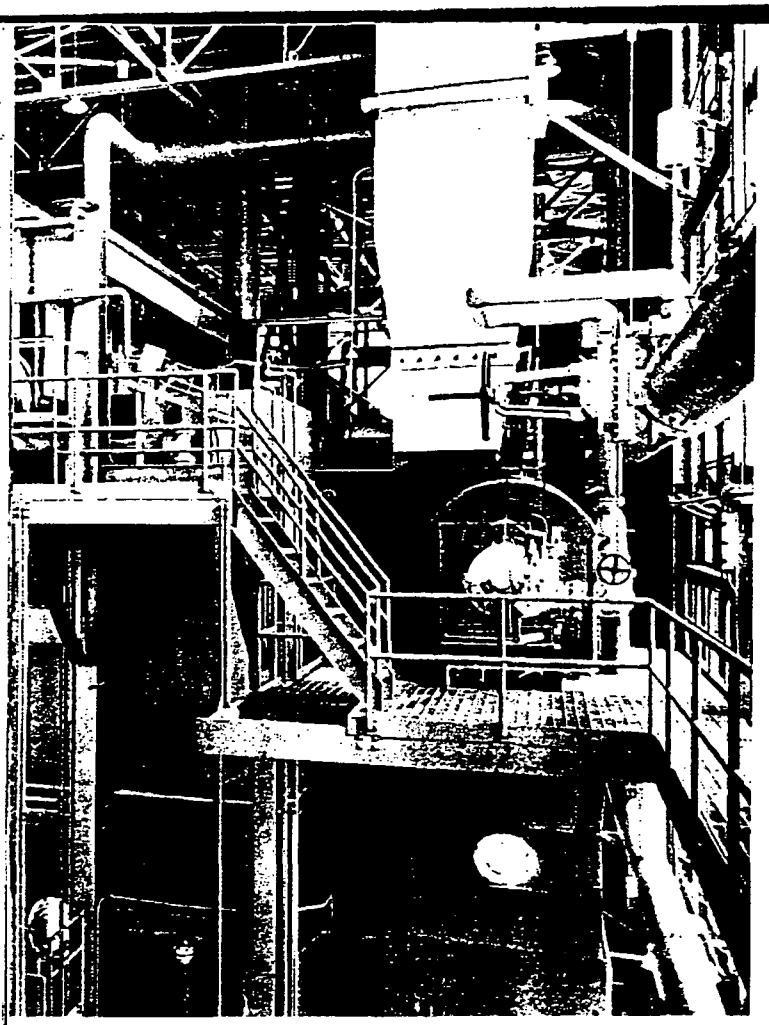


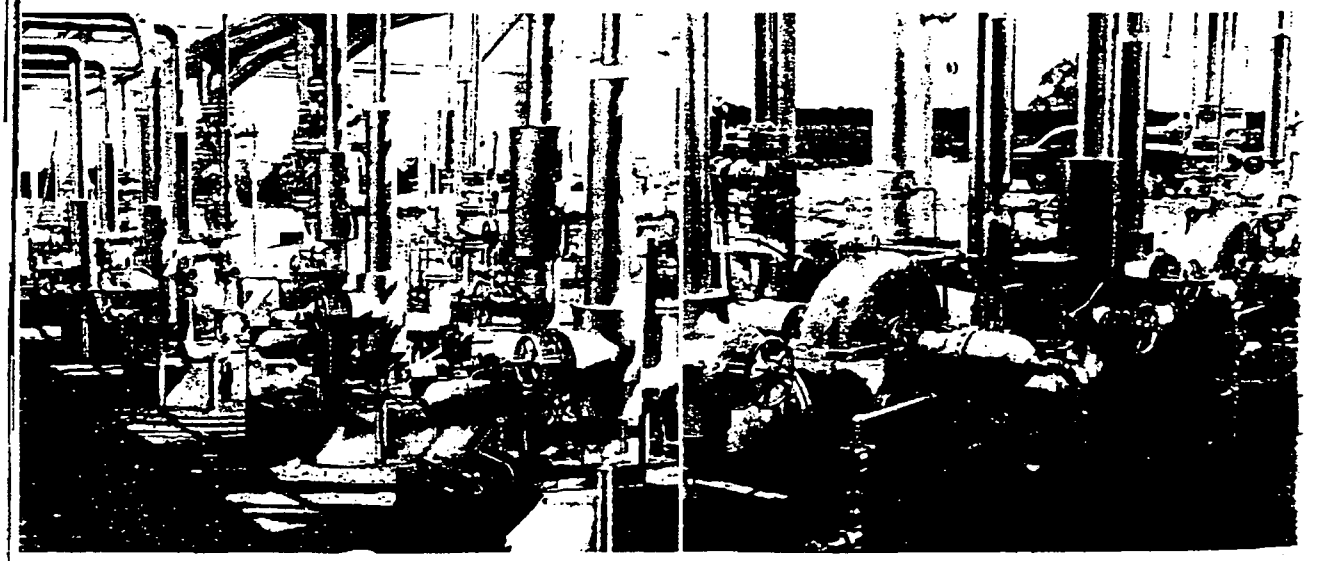
NEW STEAM PLANT F

THE photographs reproduced here were taken in a new steam-generating station built to furnish process steam and compressed air for a Michigan automotive plant. The station is modern and efficient. It uses minimum building volume without sacrificing efficiency. All equipment is of dust-tight construction. Cream-colored interior surfaces are a contrast to the traditional dark and dingy old-time boiler room. Quarry tile floors and glazed tile walls are easy to wash with a hose.

Since process steam requirements at the plant are relatively small compared with electrical power demands, power generation was not justified.

Three boilers were installed with a continuous-duty rating of 160,000 pounds of saturated steam per hour at 200-psig pressure. Normal operation is at about 150 psig with one unit carrying the summer load and two units handling winter operations. Boilers are fired by travelling grate spreader stokers and

This side view of one of the boilers shows an Elliott 250-hp geared turbine driving the induced-draft fan.



Elliott turbines driving reflux pumps in field processing plant.

These Elliott steam turbines are driving hot oil pumps.