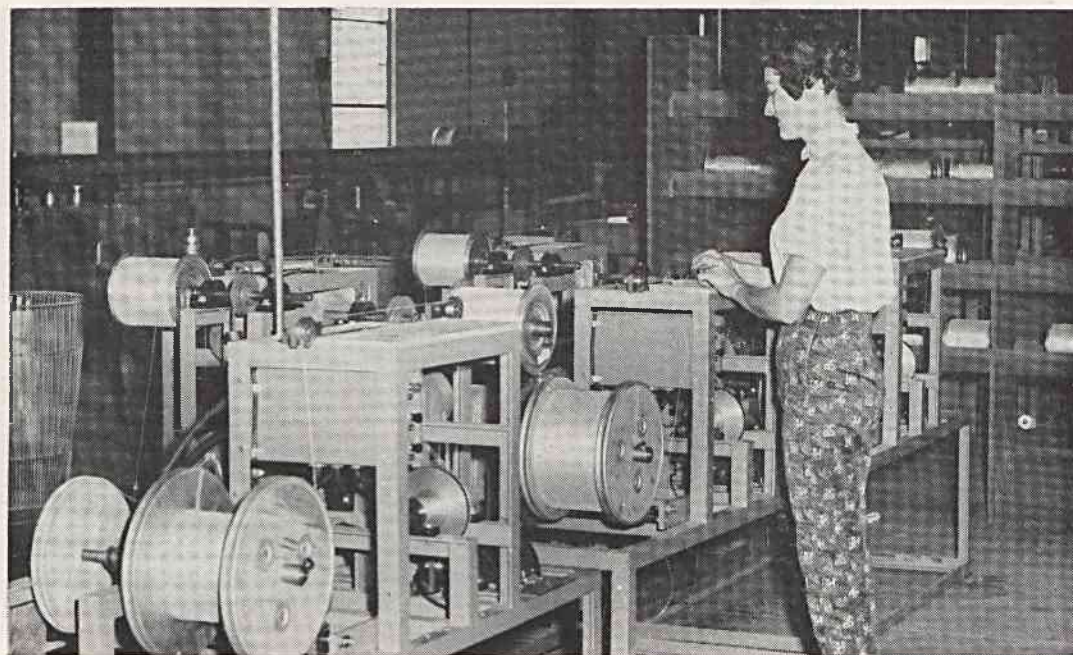
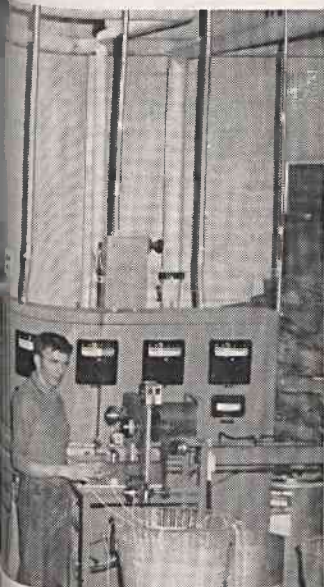




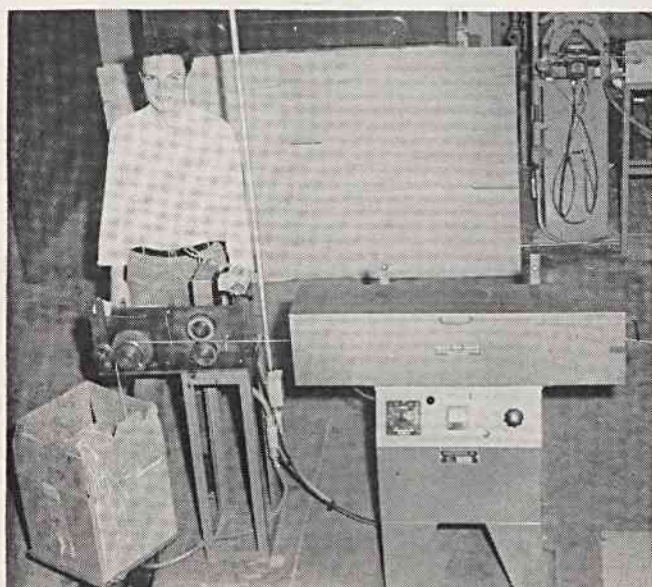
... under tension and to close
Operator is Carol Parrish.



Uninsulated wire is run through backtwisting machine to remove any kinks. Three spools from uptwister are spliced to make large package. Splicing ends here is Doris Pleasant.



... insulation is applied in an elec-
operator James Norris.



Final operation is spark testing on machine which checks for defects in insulation. Operator is Jack Shannon.



J. V. Johnson, development engineer, set up new operation.

Equipment Installed At Smithfield Plant

amount of the latest type automatic equipment in manufacturing components and assembling and shipping our automatic blankets.

In the new wire making section at Smithfield the first operation is uptwisting. In this process, fine copper wire, kept under tension and to close resistance tolerances, is wound around core yarn.

The next process is backtwisting in which the uninsulated wire is run through a machine which removes any kinks. Any defect from the preceding operation causes the machine to stop. The operator removes the defect and makes repairs by splicing. Three of the spools from the uptwister are spliced together to make a large package for the extruding operation.

After backtwisting the wire is placed in an oven for dry-

ing. It next goes to the extruder where the insulation is applied in an electronically controlled operation. An electric eye attachment detects any variation in the outside diameter of the insulated wire and indicates it on a meter.

The wire, which has received periodic quality testing throughout the operations, is now ready for a final check on the spark tester, a machine which detects any faults in insulation. This machine also performs the packaging operations. Here, the completed wire is quality checked by lots and is then ready to go into the supply room for issue to the shuttle winders.

Establishment of the new wire making section is a part of Fieldcrest's continuing program of improvements for the purpose of making top quality products at the lowest possible cost.