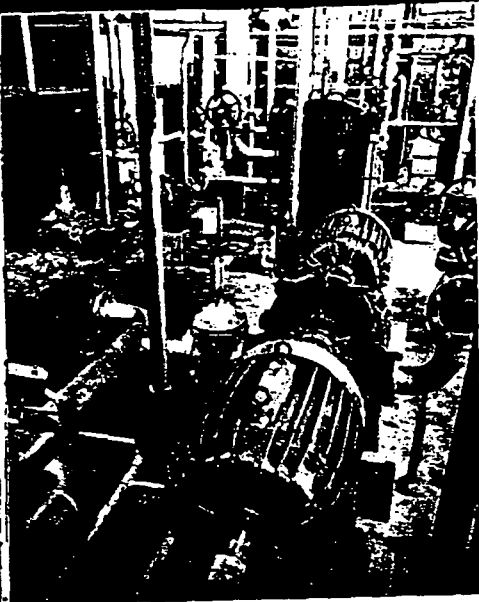




*In this view in the oil cellar may be seen five Elliott C-W motors driving pumps as well as an Elliott 5-in. twin oil strainer on guard duty at left.*

*This view in the oil cellar shows a few of the many Elliott C-W motors driving the various pumps which handle lubricating oil, roll coolant, and mill hydraulic power. All motors are of the CFC totally-enclosed fan-cooled type. The maze of valves and piping is efficiently color coded. Pumps are interspersed with tanks and reservoirs.*

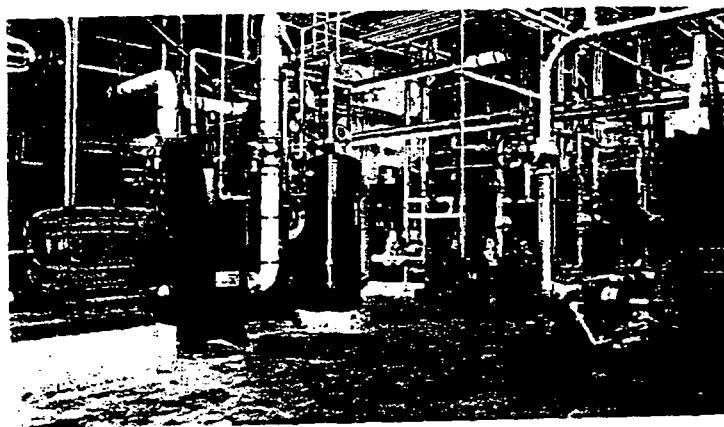


The tension control permits adjustments of the tension over a range of 20 to 125 percent of rated full load. Provision is made to automatically decrease the current to a safe value if the mill is stalled for a longer time than permissible. The system of tension regulation provides a reel motor voltage proportional to strip speed. The reel current is, therefore, the true indication of strip tension no matter whether the mill motor is operating at base or field-weakened

speeds. This system also permits reversal of the mill without releasing changing tension values.

Jogging control is provided for independent forward and reverse indexing of any of the machines.

Protective features include circuit breakers, dynamic braking contactors and resistors, combination thermal and magnetic overload relays, bearing temperature relays, a dial-type fault detector switches with indicating lights.



Through this electrostatic precipitator passes 100,000 cu. ft. of air to cool motors and craters in the motor room above. Air, either recirculated from the motor room or brought in fresh from outside, or a mixture of both, comes to the entry side of the filter from the space shown in the upper right of the picture. A traveling spray-washer automatically washes the precipitator plates periodically with hot water furnished by the water heater which is visible in the background.

The two fans shown below, driven by Elliott C-W 75-hp and 40-hp motors, take from the exit side of the filter, out of the picture on the right, and force it up through the motors and generators in the motor room (shown on preceding pages).

