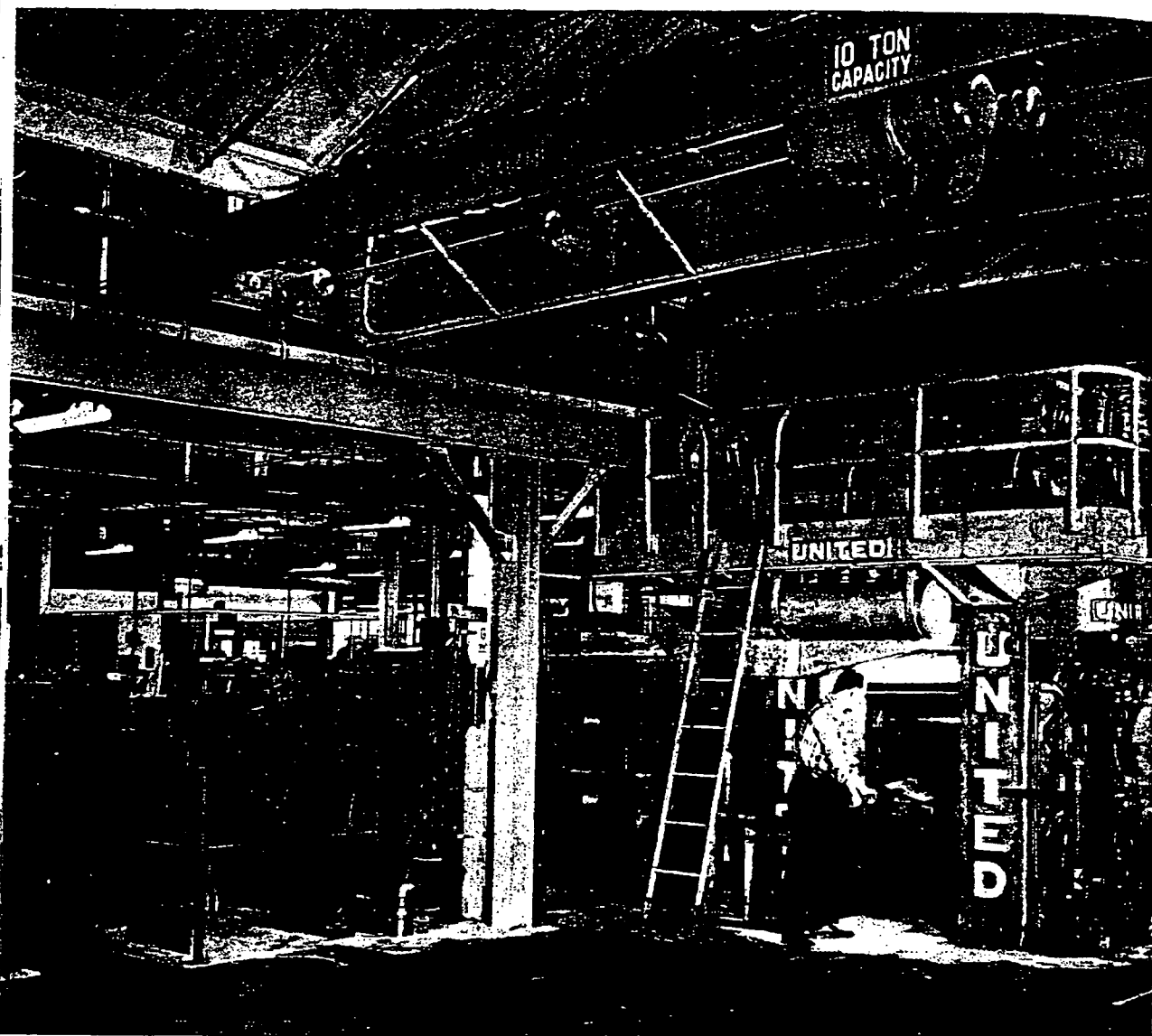




*Fansteel's new 26-in. by 36-in. two-high, non-reversing mill which is the largest in the United States designed for rolling refractory metals such as tantalum, tungsten, and molybdenum. At right is the gas-fired furnace which is used to heat the billets of molybdenum and tungsten to approximately 1350 C. Molybdenum and tungsten are hot-rolled while tantalum is cold-rolled. The operator handles the billet with a pair of tongs and feeds it into the mill. When rolling with the automatic preset screwdown control, the operator merely presses a button after each pass and the*

*rolls automatically position themselves to the next pass opening. A total of 15 passes can be preset between the limits of 1.250 in. and 0.005 in. The Elliott 6000-hp main drive motor may be seen at the left. At extreme left is the Elliott 5-hp, 1200-rpm main lube system drive motor. Above the mill may be seen the two Elliott 15-hp, 1200-rpm screwdown motors and brakes, also the 1 1/2-hp, 9000-rpm screwdown lube system drive motor. Not shown in the photograph is a 10-hp, 1200-rpm hydraulic roll balance and roll change drive motor, which is on other side of mill.*