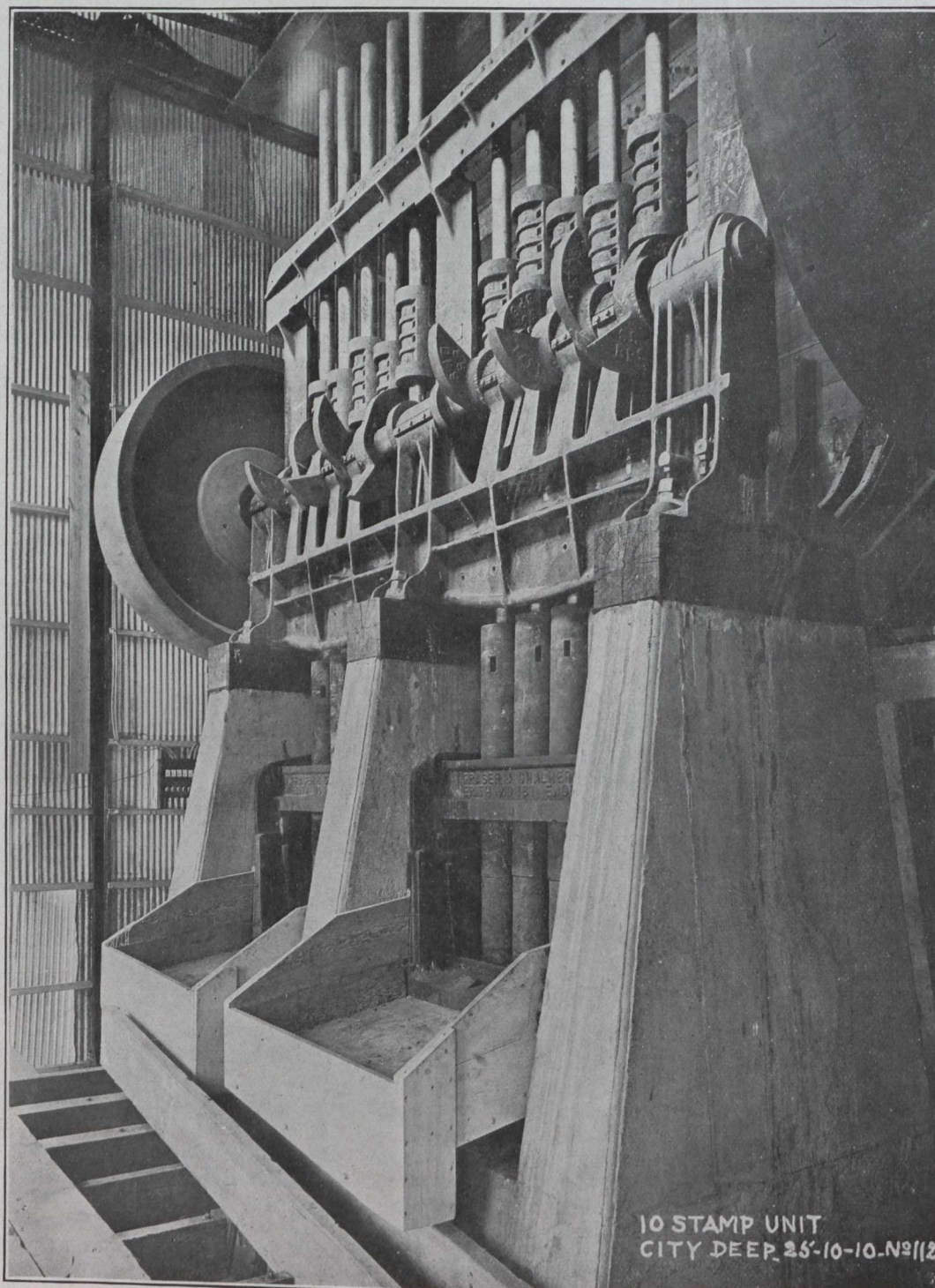


der horizontal type, 9-inch diameter, 12-inch stroke, horse power 25 to 30. The main levels are laid with a double line of heavy rails, the ore being conveyed to large ore bins at the shaft built of re-inforced concrete, and fitted with Kimberley chutes for rapidly loading the skips.

gear pulleys 16 feet diameter. The skips carry 5 tons, maximum speed of hoisting, 3,000 feet per minute, so that each hoist can raise 165 tons per hour. There is also an electric man hoist, three-phase type, driven by a 1,600 h.p. motor operated by power at 2,100 volts 50 cycles. The braking arrangements of this man hoist



Californian Stamps

It was intended to use electric power purchased from the Victoria Falls Co., exclusively, but as such was not available when wanted, a boiler plant of nine boilers was installed at No. 2 shaft. The hoisting plant consists of two double compound tandem Whiting hoists, with 17-inch and 28-inch cylinders and 5-ft. stroke. Driving sheaves 12 ft. diameter, ropes 1½-inch, head-

are interesting. In addition to the usual post brakes worked by compressed air, there is an "eddy current" brake, the direct current being obtained at 120 volts from a rotary converter in the engine room or alternately from a storage battery. The drums are of cast steel, 11 feet diameter and 4 feet wide, each drum carries 4,200 feet of rope. The man cages are of the