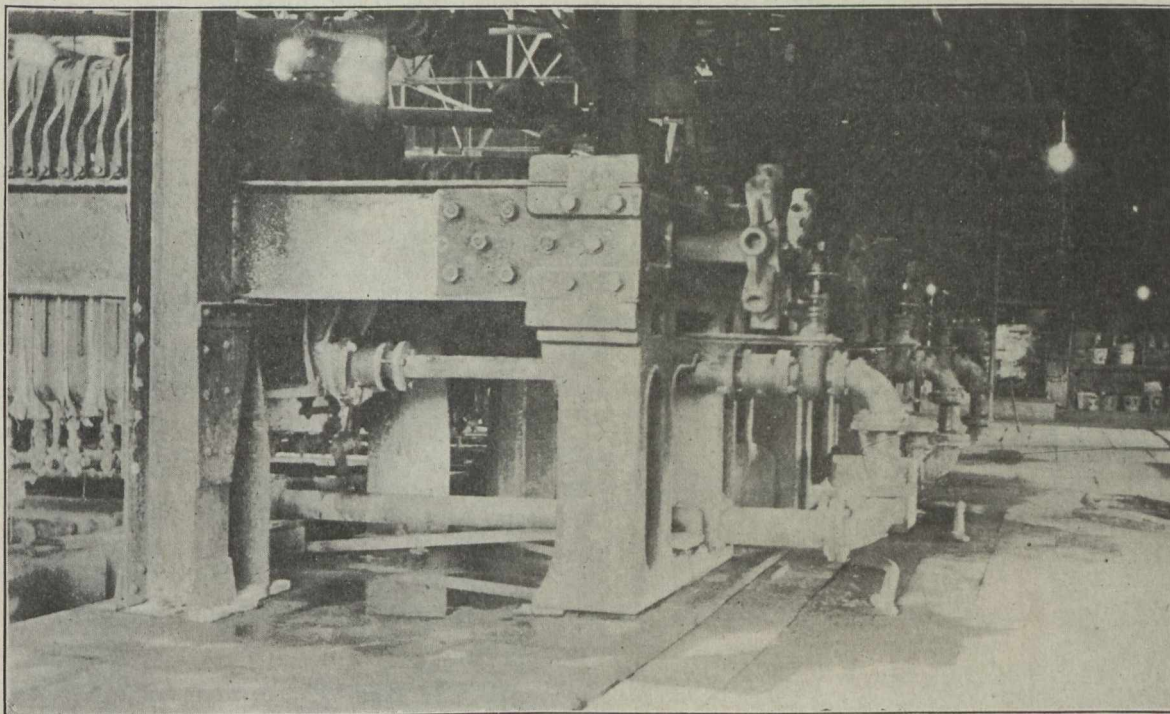


is that of air agitation by the continuous Pachuca tank system. There are four tanks, 8 feet in diameter by 40 feet in height. The air for agitating the slime in these tanks is compressed to 20 lb. per square inch at the receiver by a 14" x 16" single stage, belt

Filtration.

Merrill Presses.—Two Merrill slime filter presses, each having 75 4-in. frames filter the treated slime. At each charging of a press about 20 tons of slime is drawn from the storage tanks at a dilution of 1 to 1,



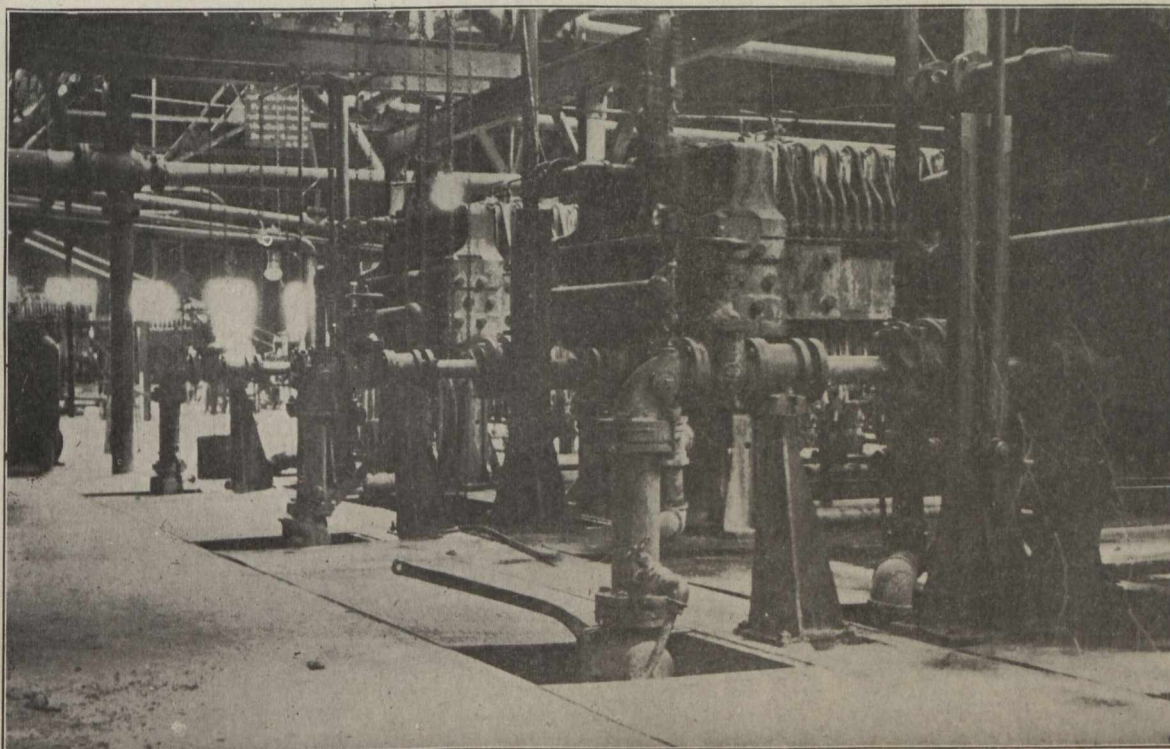
Merrill Slime Filter Presses—Rear Ends. Dome Mill.

driven Rand compressor which is driven at about 240 r.p.m.

From the final treatment tank, the slime is run to a storage tank in which it is mechanically agitated and drawn off intermittently to the filter presses.

the filling of the presses occupying from 22 to 30 minutes, until the four-in. frames are filled with solid cakes of slime at a final pressure of 20 lb. per square inch.

Washing.—Precipitated solution is then forced



Merrill Slime Filter Presses—Head Ends. Dome Mill.