



The Journal of the Chemical, Metallurgical Mining Society of South Africa, Vol. 21 (Classic Reprint) (Paperback)

By South African Institute of M Metallurgy

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English Brand New Book ***** Print on Demand *****.Excerpt from The Journal of the Chemical, Metallurgical Mining Society of South Africa, Vol. 21 In this paper by dry jack hammer is meant a hammer type machine with air only passing through the hollow steel to the bottom of the hole being drilled, the water to allay dust being led into the mouth of the hole by means of a separate hose pipe, as required by the regulations. In referring to results as satisfactory or unsatisfactory I have adopted the standard suggested by the Miners Phthisis Prevention Committee; namely, that dust in excess of 300 particles per cc. should be considered unsatisfactory. Doubt as to whether the dry jack hammers produced an injurious amount of dust first arose in connection with sinking shafts. In order to ascertain the actual conditions at the bottom of shafts being sunk along the Reef by means of such machines, Mr. Atkin, of the Mines Department, took a series of samples in nine shafts. The average result was 1,082 particles per cc., the lowest being 450 particles per cc. and the highest...



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