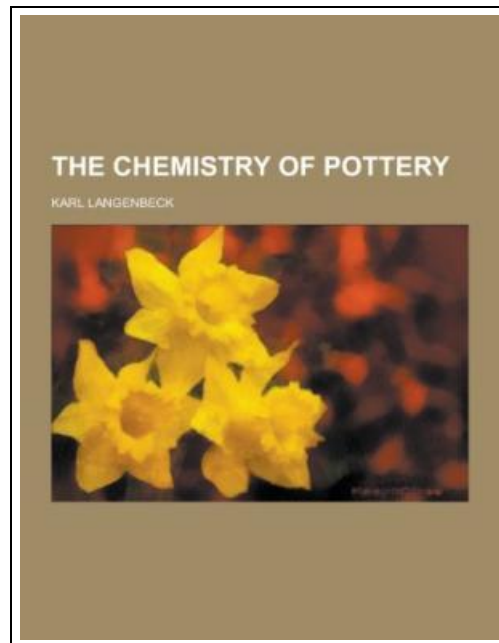


The Chemistry of Pottery



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Reviews

The book is fantastic and great. It is filled with wisdom and knowledge I am just easily will get a enjoyment of looking at a composed publication.

(Bradley Hahn)

THE CHEMISTRY OF POTTERY



Theclassics.us, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1895 edition. Excerpt: .limits easier and hence cheaper to mold, ball-clays are used in as large amounts, for their required clay substance, as the quality of the ware will admit. From their formation these clays are very likely to contain finely divided quartz and the detritus of fusible minerals, hence their introduction into a body or substitution for some other ball-or china-clay in a pottery recipe, should only be made with a clear knowledge of their chemical composition. It is, however, a striking fact, that a much larger proportion of the American ball-clays approach the composition of kaolinite, than do those of Europe. The purest of our native ball-clays are mined in Florida, and are being sold as plastic kaolins, a misleading trade name. An analysis of one of these runs as follows: Per cent. Silica 45.39 Alumina 39.19 Ferric oxid 0.45 Lime. J 0.51 Magnesia 0.29 Alkalies 0.83 Combined water 14.01 A sample baked at the melting heat of orthoclase, while very nearly as white as a high grade kaolin, had not at all remained porous, but was dense and glossy, having shrunk fully fifteen per cent. in linear diameter. Next in purity to these Florida clays are those very extensively mined in New Jersey. An analysis of a typical one of these clays is the following: Portion insoluble Burned at the melting heat of orthoclase the clay was yellowish white and shrank fourteen per cent. The clay is of good plasticity and requires 51.5 grams...



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