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Original and Selected Papers.

ON THE QUANTITATIVE ANALYSIS OF WHITE LEAD
GROUND IN LINSEED OIL.*

BY VICTOR BIART.

Text books on chemistry tell us very little about adulterations of paints. Take, for instance, white lead; how shall we proceed? If the druggist bought it in the state of powder, it would be relatively easy; but as it is generally sold ground in linseed oil, the case appears to be more complicated. If we refer to books, it will generally be with disappointment.

As an instance, I give what I found in a good book on chemistry, in the part of the work relating to chemical analysis, speaking of the analysis of white lead in oil, the author says: "When the white lead is mixed with oil, it becomes more difficult to ascertain the exact nature of the adulterations, since the methods which must be adopted in order to destroy the oil, (viz.: incineration; or boiling with hydrochloric acid, and gradually adding chlorate of potassa), will alter to a greater extent the forms of combination in which the substances exist, and the analyst must content himself with merely identifying the different acids and bases; the quantities of these will, however, guide him in his conclusions as to the really important adulteration. Probably by powerful pressure in blotting

* From the Leavenworth Journal of Pharmacy.