ANALYSIS OF MIXED PAINTS, COLOR PIGMENTS, AND VARNISHES

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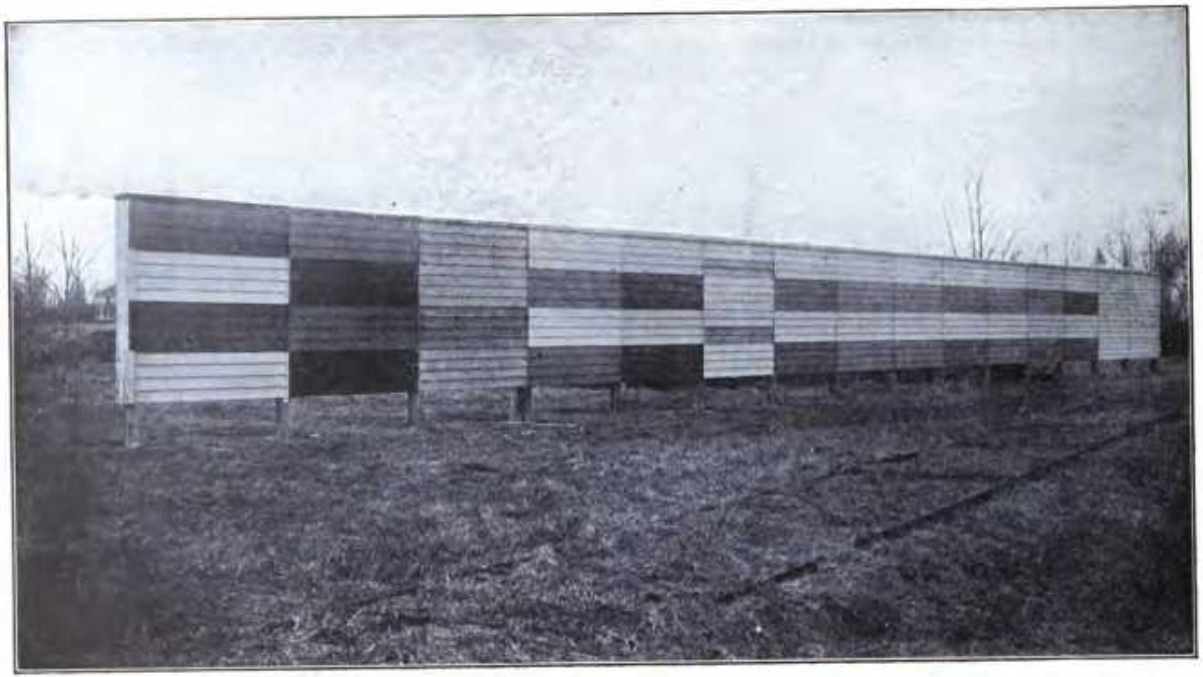

Frontispiece

ANALYSIS OF MIXED PAINTS, COLOR PIGMENTS, AND VARNISHES

BY

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PREFACE.

THIS book was written primarily to meet the needs of the author's own classes in Industrial Quantitative Analysis, and it is given to the public in the belief that there is a demand for a concise work on the analysis of paints and paint products.

Numerous books have been written during the past few years dealing with the subject of Paints, discussing in a general way the properties of the various pigments and their methods of manufacture. But the author is not acquainted with a single work that will serve as a guide to a chemist of ordinary training in taking a can of mixed paint, of practically any shade or tint, making a complete analysis of it and furnishing him sufficient data, derived from a large number of analyses, so that he may interpret the results of his own analysis in a rational manner.

It is the object of the author as far as may be to fill this much felt want, and the methods given in the following pages should be of interest to advanced college students who may wish to inform themselves on methods of paint analysis; to the industrial chemist who has more or less paint work to do; and especially to the young paint chemist who is just starting out in his career.

Each method given in this work has been tested out in the author's laboratory and its working value thoroughly demonstrated. The various analyses given are believed to be representative of the composition of the pigments they illustrate, and it is hoped that they will be of service in enabling the analyst to pass on paint products with fairness to both the manufacturer and the consumer. The

chapters on varnish analysis are admittedly incomplete. Our present literature on varnish, and especially varnish analysis, is meagre, and much of it of a contradictory nature, but the author hopes in the near future to be able to present data that will be of further value to varnish chemists.

In conclusion the author wishes to express his sincere thanks to Commissioner E. F. Ladd for the portion contributed by him, and for his kindly guidance and interest in the entire work; and also to Mr. Clarence E. Kinney, who has assisted in much of the analytical work.

C. D. HOLLEY.

FARGO, N.D. *Feb. 19, 1907.*

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