

PROCEEDINGS OF THE FIFTEENTH ANNUAL CONVENTION

SAMPLING COMMITTEE REPORT, 1923-24

BY P. W. TOMPKINS

Whatever progress has been made by your Sampling Committee this year, is due to the effort of its individual members and not to the work of its chairman. In the absence of the coördinate effort of occasional committee meetings, it was felt that more ground might be covered to advantage, if the various subjects were made the exclusive business of individuals, as time and efficiency are lost among its scattered members by cross-continent correspondence. In this scheme, there has been some hearty support and it is with pleasure and appreciation that the reports received are submitted for the Society's consideration, as the contribution of its members, to whom all credit is due.

Dr. David Wesson, at his own suggestion, selected the arduous task of developing a bibliography of essential sampling methods, as a basis on which to work toward perfecting any field that future Sampling Committees may determine to follow, and it is hoped that a full measure of appreciation is given this splendid piece of work which is of inestimable and lasting value. Extra copies have been made for submission to your various officers and some means should be taken to make this work a permanent record accessible to all members of the Society.

Dr. Wesson in submitting his report, which is herewith attached, states in substance: That the Bibliography of Sampling was compiled essentially from the *Journal of Society of Chemical Industry*, also from *Chemical Abstracts*, as well as other sources; that quite a number of references have been omitted, which did not seem of particular value in the work with which the Society is interested. His preface to the bibliography mentions that thousands of pages have been written on methods of analysis, as compared with a few hundred on methods of sampling, though it is well known that the first of the three essentials to correct analysis is obtaining a correct sample, and the chairman would like to add that the value of this bibliography will become greater as this field is more fully developed in its many neglected phases.

Mr. G. Worthen Agee, of the Seeds, Hulls and Linters Section, has perfected rules which give evidence of a very intimate and studied knowledge of the subject, and has submitted them in a form immediately available to place before the rules committee for consideration. It would be presumptuous for anyone with less experience in this field to offer any suggestions to what appears to be a thorough conception of the needs.

In submitting his report, which is here attached, Mr. Agee states in substance: That the proposed rules for sampling cottonseed and cottonseed hulls are based on ideas drawn from some of the practical men in the business, from his own engineers who have made a careful study of oil mill problems, and as a result of their own laboratory experience. He further adds that he is making no report on the method of sampling linters, since linters are seldom analyzed in the factory and commercial laboratories connected with the cotton oil industry; that linters sampling of course is of interest to the paper pulp and explosive chemists, but no doubt they have methods of their own for sampling linters, and furthermore that the Interstate Cottonseed Crushers Association has at the present time a special Committee of linter samples and grades.

Mr. H. P. Banks, of the Oil Cake and Meal Section, with his intimate knowledge and experience with Oriental commodities, has furnished a useful contribution of a descriptive character, governing sampling of imported commodities, such as soya bean and linseed cake, fish meal, peanuts, etc. The data furnished in Mr. Banks' report will serve as a basis on which to perfect concrete rules governing these commodities, that future Sampling Committees may wish to cover, which would probably belong to Chapter 16 of the Interstate Cottonseed Crushers Association rules now covering trade in imported oils.

Mr. Thos. C. Law's report, representing the Miscellaneous Section, is not yet at hand, but is hoped will be presented directly in time for consideration by the Association.

Mr. W. D. Richardson, to whom we are looking for a most interesting report on tank car sampling, will probably submit it directly, as it has not yet been received. Mr. Richardson, as Chairman of the A. C. S. Committee on Sampling and Analysis of Commercial Fats and Oils, has the opportunity to coördinate rules which should make them uniform for both organizations.

The chairman feels that a measure of success at least has been obtained by the system of individual sponsorship for definite subjects, and probably as much if not more than would have been accomplished by the older custom.

Committee: P. W. TOMPKINS (Curtis & Tompkins, San Francisco), D. WESSON, W. D. RICHARDSON, H. P. BANKS, G. W. AGEE, T. C. LAW.

Bibliography of Sampling, DAVID WESSON

It has been said that three things are essential to a correct analysis. First, obtaining a correct sample, second, using a correct method of analysis and applying it correctly, and third, drawing the correct reference from the results.