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LITERATURE ON SAMPLING

TO JULY, 1921

COMPILED BY

W. L. BRANTWOOD AND M. VON BERNEWITZ

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REPORTS OF INVESTIGATIONS

(U.S. BUREAU OF MINES) - - DEPARTMENT OF THE INTERIOR

BIBLIOGRAPHY OF LITERATURE ON SAMPLING.
(Compiled by W.J. Sharwood and M.W. von Bernewitz)

So far as is known, there is no complete bibliography on sampling, therefore, this one should be of value. In it are nearly eleven hundred references, some dating back 30 years, on sampling at mines, mills, smelters, power plants, pumping stations and refineries. For convenience, there are included a few references to methods for sampling such materials as leather belting in mills, salt impregnated soils, and mine waters. All the important technical journals, including some in foreign countries- and engineering society publications, also mining and metallurgical text-books, have been studied for anything concerning sampling, and while it is not claimed that every important reference has been listed, the bibliography is fairly complete.

The arrangement is alphabetical by authors' names, and the references are numbered serially in the order that they appear in the bibliography. Anonymous references are listed under the name of the journal in which they appear, and are numbered like the references bearing an author's name.

Patents are grouped in their numerical order, without index numbers.

Under the heading, "U.S. Bureau of Mines Publications", are listed all publications of the bureau that deal with sampling. While the serial number is omitted, these same references, of course, have serial numbers where they appear in the list arranged alphabetically by authors.

Acknowledgement is made to Miss Florence Wilkie and to Miss H. Shelby Holbrook, who assisted in revising the manuscript.

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In the preceding text, these same references are listed alphabetically by author's names, but are grouped here for convenient reference.

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Technical Paper 76, 1914. Notes on sampling and analysis of coal, by A.C. Fieldner. Discusses factors affecting accuracy of sampling, and methods used by the Bureau of Mines.

Technical Paper 83, 1915. Buying and selling ores and metallurgical products by C.H. Fulton. Brief discussion of sampling methods.

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Technical Paper 148, 1917. Determination of moisture in coke, by A.C. Fieldner and W.A. Selvig. Method of handling samples during tests.

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Technical Paper 261, 1921. Ventilation in metal mines; a preliminary report, by Daniel Harrington. How samples of mine air are taken.

Serial 2120, April, 1920. Oil thieves, by A.R. Elliott. Description of instruments used in sampling oil in tanks or reservoirs. A piece of pipe or bottle is lowered to the desired depth, and a sample taken; or a set of $\frac{1}{4}$ to 1 inch valves are fitted at certain intervals on the outside of a tank, allowing samples to be drawn off.

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Serial No. 2262, June 1921. Gases produced by carbon tetrachloride and foamite fire extinguishers in mines, by A.C. Fieldner and S.H. Katz. Plan of mine shows positions for taking gas samples.

Sampling report. F. Form 6 - 138. A blank for report on a coal seam and samples taken therefrom. One page.

Sampling report. Form - - -. A blank for report on shale deposits. One page.

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