

Samples arranged in Table B give results which meet present legal requirements. They must therefore be held to be legally genuine; but they cannot be regarded, in all cases, as above suspicion of having been more or less tampered with. They fail, in every instance, to meet the suggested constants for maple syrup as written by Mr. Bryan. (Bulletin 466, Dept. of Agriculture, U. S. A.).

Samples arranged in Table C are adulterated under the requirements of schedule 6 of the Adulteration Act.

It will be noted that several samples contain more than 35 per cent of water; in a few cases the water constitutes more than 40 per cent of the weight of the product. Standard maple syrup should weigh 13 pounds 3 ounces per Imperial gallon. The samples in question weigh decidedly less than this.

Investigation in detail has convinced me that, in nearly all of the cases referred to, the presence of excess water is to be accounted for, as due to inexperience in manipulation, lack of proper means of noting density or other reasons quite unconnected with any intent to defraud.

I would therefore respectfully suggest that the Department issue this report as a warning, so far as these samples are concerned, and exercise leniency, in their regard, while emphasizing the fact that the presence of more than 35 per cent water in maple syrup constitutes legal adulteration; and that, unless the warning be found effective, subsequent cases of the kind will be dealt with strictly according to law.

I beg to recommend publication of this report as Bulletin No. 409.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,

*Chief Analyst.*

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