

4492. Adulteration and misbranding of "M & K Lemon Terpeneless."
 U. S. * * * v. Wadhams & Co., a corporation. Plea of guilty.
 Fine, \$10 and costs. (F. & D. No. 6594. I. S. No. 9805-h.)

On December 14, 1915, the United States attorney for the District of Oregon, acting upon a report by the Secretary of Agriculture, filed in the District Court of the United States for said district an information against Wadhams & Co., a corporation, Portland, Oreg., alleging shipment by said company, in violation of the Food and Drugs Act, on or about February 27, 1914, from the State of Oregon into the State of Washington, of a quantity of "M & K Lemon Terpeneless," which was adulterated and misbranded. The article was labeled, in part: (On head of keg) "Wadhams & Co." (On opposite side in blue pencil) "M & K Lemon Terpeneless."

Analysis of a sample of the article by the Bureau of Chemistry of this department showed the following results:

Specific gravity at 15.6° C./15.6° C.....	0.9137
Alcohol (calculated from specific gravity) (per cent by volume).....	59.94
Oil of lemon, by polarization (per cent by volume).....	0.35
Citrol (per cent).....	0.09

Adulteration of the article was alleged in the information for the reason that a substance, to wit, dilute terpeneless extract of lemon had been mixed and packed with the article so as to reduce or lower and injuriously affect its quality and strength, and had been substituted, in whole or in part, for lemon terpeneless, which the article purported to be.

Misbranding was alleged for the reason that the statement, to wit, "Lemon Terpeneless," borne on the keg containing the article was false and misleading in that it represented that the article was genuine terpeneless lemon extract and was such as to deceive and mislead the purchaser into the belief that it was a genuine terpeneless lemon extract, whereas, in truth and in fact, it was not, but was a dilute terpeneless lemon extract.

On February 18, 1916, the defendant company entered a plea of guilty to the information, and the court imposed a fine of \$10 and costs.

C. F. MARVIN, *Acting Secretary of Agriculture.*

4493. Adulteration and misbranding of so-called apple butter, raspberry jam compound, and peach jam compound. U. S. v. William M. Crowley and Charles Crowley (Crowley Commission Co.). Plea of guilty by defendant Charles Crowley. Fine, \$50 and costs. Indictment nolle prossed as to William M. Crowley. (F. & D. No. 6600. I. S. Nos. 5077-h, 5078-h, 5079-h.)

On November 12, 1915, the grand jurors of the United States within and for the District of Indiana, acting upon a report by the Secretary of Agriculture, upon presentment by the United States attorney for the district aforesaid, returned an indictment against William M. Crowley and Charles Crowley, trading as Crowley Commission Co., Vincennes, Ind., charging shipment by said defendants, in violation of the Food and Drugs Act, on October 24, 1913, from the State of Indiana into the State of Illinois, of quantities of so-called apple butter, raspberry jam compound, and peach jam compound, which were adulterated and misbranded. The apple butter was labeled: (Retail package) "Fort Sackville Brand Trade Mark The Worlds Best Old Vincennes Preserving Co., Vincennes Ind." (Sticker) "Apple Butter Apples Sugar & Spices." (Guaranty sticker) "Guaranteed by the Old Vincennes Preserving Co., under Food and Drugs Act, June 30, 1906. Serial Number 51572." (Shipping package) "2 Doz. 16 Oz. Taper Jars. Apple Butter. Old Vincennes Preserving Co., Vincennes, Ind." The raspberry jam compound was labeled: (Retail package) "Raspberry Jam Compound. 40% Corn Syrup, 25% Fruit, 15% Gran Sugar, 20% Apple Juice. Fort Sackville Brand. The Worlds Best. Old Vincennes Preserving Co., Vincennes, Ind. Guaranteed by the Old Vincennes Preserving Co., under Food & Drugs Act, June 30, 1906, Serial Number 51572." (Shipping package) "2 Doz. Assorted Jam." The peach jam compound was labeled: (Retail package) "Peach Jam Compound. 40% Syrup, 25% Fruit, 15% Gran Sugar, 20% Apple Juice. Fort Sackville Brand. The Worlds Best. Old Vincennes Preserving Co., Vincennes, Ind." (Shipping Package) "2 Doz. Assorted Jam."

Analyses of samples of these articles by the Bureau of Chemistry of this department showed the following results:

	Apple butter.	Raspberry jam compound.	Peach jam compound.
Solids, by specific gravity (per cent)...	46.42	70.40	68.22
Nonsugar solids (per cent).....	23.08	32.44	28.49
Sucrose, Clerget (per cent).....	1.46	2.15	7.63
Reducing sugars as invert, before inversion (per cent).....	21.88	35.81	32.10
Commercial glucose (per cent).....	17.54	57.42	53.27
Polarization, direct, 26° C (° V).....	+24.7	+95.9	+96.2
Polarization, invert, 26° C (° V).....	+22.8	+93.1	+86.3
Polarization, invert, 87° C (° V).....	+23.4	+93.6	+86.8
Ash (per cent).....	0.76	0.78	0.78
Acids (cc N/10 alkali per 100 grams)...	110	150	130
Insoluble solids (per cent).....	4.33	0.94	0.20
Phosphoric acid (P ₂ O ₅) (per cent).....	0.06	0.35	0.35
Preservatives:			
Saccharin (per cent).....	0.01	0.014	0.022
Schmidt's test for saccharin.....	Positive.	Positive.	Positive.
Salicylic acid.....	Absent.	Absent.	Absent.
Organoleptic test.....	Tastes like apple butter.	Taste indicates presence of raspberry.	Taste indicates presence of peach.
Color.....	Natural.	Natural.	Natural.

Adulteration of the apple butter was charged in the indictment for the reason that glucose and saccharin had been mixed and packed therewith so as to reduce, lower, and injuriously affect its quality and strength, and had been substituted in part for apple butter, which the article purported to be. Adultera-