

How These Foods Are Adulterated

By W. H. Wiley.

It must not be understood that every person, or firm, adulterating food is purposely doing so. Sometimes they are unconsciously doing so. There are many practices which are indulged in with a view of meeting competition, cheapening prices, securing new markets and cutting under other competitors. The persons indulging in these practices consider that they are doing a smart business and are getting the better of their fellow tradesmen. They do not realize the heinous character of the acts which they are performing.

As an instance of the kind of adulteration which requires no skill to practice, may be mentioned the mingling of high grade edible oil commanding a high price, such as olive oil, with a cheaper product, such as cotton seed oil.

While there are many persons who still think that cotton seed oil is injurious, and while in one



DR. H. W. WILEY.

Instance a certain physician has declared it to be one, if not the sole, cause of pellagra, it is coming to be the general belief among competent hygienists that properly refined cotton seed oil is wholesome as well as palatable.

The mixing of two wholesome oils, therefore, is not regarded as a crime, but the purpose in view is not so much to make a cheaper product as it is to sell the combined product for more than the two ingredients would bring, if sold separately.

The simple method of mixing is all that is needed in this instance. The two oils are very nearly alike, in specific gravity, in color, in viscosity and in their

other physical properties, and hence the sacrifice of sincerity of conduct to price is easily accomplished.

In contrast to this procedure may be cited the adulteration of spices where the mixing of the spices with ground shells, or other practically inert material, must be accomplished in the most skillful and highly technical manner.

Each of the ground spices has certain physical characteristics and its own special color. Thus the granular construction of the ground spice must be matched with an adulterant filler of its own color. For the purpose of adulterating spices the manufacturers prepare "fillers," that is, various substances such as shells, ground to different degrees of granular composition with different tints.

These fillers are sold, or at least have been sold as regular articles of manufacture. The dealer wishing to produce a mixed article selects the filler which most nearly resembles, in its physical composition and color, the ground spice which he wishes to adulterate. In general it may be said that most adulteration of food products is accomplished by the method of mixing.

Another illustration is that of maple syrup. This being a high priced product, having very marked characteristics of body and taste, it lends itself with peculiar ease to various methods of adulteration. Formerly glucose was largely used as the adulterating medium. But the ease with which this adulterant is detected has caused its use to become more or less rare.

The skill of the chemist had to be called in to provide some other medium and this was found in the use of a syrup made from sugar which when melted and mixed with certain flavors would give a product similar to that of the maple syrup itself. The character of the syrup is very commonly judged by its depth of color and hence the deep colored maple syrup is mixed with a light colored sugar syrup.

Inasmuch as the sugar of maple syrup and ordinary sugar are the same substances, it would be thought that this mixture could be easily made so as to escape the test of the chemist, but by reason of progress in chemical skill this mixture of cane sugar with maple syrup is generally detected with great ease.

(Dr. Wiley's next article will uncover the frauds perpetrated on the ultimate consumer who uses flavoring extracts for coffee.—EDITOR.)

Baby Summer Coat of Pique



When the baby who is two or three years old goes out on cool summer days she may wear a pique coat. This completely covers her little frock and a pretty model has a shawl collar of embroidery. This ends in the pique belt that falls loosely below the babywaist line.

The coat is made with four box pleats. There is one either side of the front opening and two in the back of the little garment. The white belt slips underneath these. The long sleeves end in an embroidered cuff.

After-Supper Talks

With Cynthia Grey

FOR ALL YOUNG GIRLS

Dear Miss Grey: (1) Is it proper for a young man to hold a girl's hand in a theater when the lights are turned low? (2) One day I met a classy fellow who seemed interested in me and called me up on the phone many evenings, but now he is cold and distant. He doesn't know me when he sees me, and is very attentive to another girl. How shall I act so as to win him, as I am very much in love with him. (3) If a man kisses a girl on the forehead, what does it mean? During the moonlight waltz should a man hold a girl any closer, try to kiss her or bite her neck? I know many girls who allow this. I will have to sit out this dance if I refuse to allow it. A GIRL.

A.—(1) If you are such babies that you have to play hands at a theater you had by far better stay at home. A public exhibition of the very best affection is not in good taste, to say nothing of "mere spooning." (2) If the young man ignores you, do likewise. Don't throw yourself at any man. (3) I think you know in your heart that no girl who has a mustard seed of self-respect will allow liberties when dancing.

YOUNG GIRLS AND DANCES

Dear Miss Grey: I read your letters every night and they have done me good. I have been going with a young man about three months and he doesn't want me to go with anyone else but him. He says when he has a girl he doesn't want her going with everyone else. What do you think about it? My chum's mother keeps her home all the time and will not let her go to shows on Sunday. She likes to dance. Do you think it all right if she goes with some grown-up person or my mother? She is nearly fifteen and I am sixteen. Don't you think her mother keeps them too close. They will not know how to act when they get out.

A.—You should not confine yourself to one young man, and he has no right to expect it. You girls are both too young, dear, to attend dances except once in awhile. I would not persuade the chum to go against her mother's wishes. You know your mother would not like some one to influence you.

FOR THE BRIDE.

Dear Miss Grey: I am 18 years old and a working girl, getting \$5 a week, and to be married in May. What would be the nice and what color to be married in, and to travel in. I cannot afford to buy many dresses. I have blue eyes and light hair. BLUE EYES.

A.—If you are going to be married in the same dress that you travel in, a blue serge suit with white silk gloves and tan shoes would be pretty and serviceable. If you want a separate dress for the ceremony, or that you can wear with a coat, a wash silk would be pretty, and practical. When it becomes soiled it can be laundered. It will also do for evening wear. Brown, blue or gray would be pretty.

PARENTS VS. CHILDREN.

Dear Miss Grey: We are two girls who can't understand why our fathers do not wish us to have any pleasures. Our mothers do not object to our going out to entertainments and parties, but our fathers do. Please give us your advice.

TWO CHUMS.

A.—Fathers usually know more of the seamy side of life, and of temptations that young people meet that do mothers, and they often go to the extreme of deny, often to the children too much. Then, children think they should be allowed to go places that the parents know they should not.

The Churches

MISCELLANEOUS
Park Universalist. Services, 10:45 a. m.; S. S., 9 a. m.; service, 7:45 p. m.

Inter B. S. Assn., 945 C st. Discourse at 3 p. m.; Bible study at 4:30 and 6:30 p. m.

Prog. Psychic Soc., 1117 1/2 Tac. av. Meeting at 8:30 and 8:00 p. m. Rev. F. A. Jackson.

Salvation Army, 1201 Pacific av. Services: Praying, 8:45 a. m.; Young People's meeting, 6 p. m.; salvation meeting, 8 p. m.

Volunteers of America, 13th and Pacific. Meetings every evening at 8 p. m. Sunday at 3 p. m. and 8 p. m.

Friends, No. 8th and State, Caleb J. Jenkins, pastor. Bible school, 10 a. m.; preaching, 11 a. m.; C. E. at 6:30; preaching and praise at 7:30.

Ethical Society, Tacoma and So. 3d. Services at 11 a. m., lectures, Dr. Wm. Savery.

Occult. Sunday evening at 8 o'clock in Maccoombs hall, 1189 1/2 C.

Seventh Day Adventist, corner of 16th and So. K. Meeting Sunday at 7:45 p. m. Pastor, F. D. Wagner.

CHRISTIAN
First, 6th av. and K. W. A. Moore pastor. Praying, 8:45 a. m.; morning service, 11 a. m.; Christian Endeavor, 6:30; evening service, 7:30.

Roosevelt Heights, East 39th and V. L. School at 10:30 a. m.; communion at 11:30 a. m.; C. E. at 6:30 p. m.; preaching at 7:30 p. m.

McKinley Park, East 38th and Spokane. Bible school at 10 a. m.; communion at 11 a. m.; C. E., 6:30 p. m.; preaching, 7:30 p. m.

South Tacoma, 5619 So. Junett. Bible school at 9:45; communion at 11 a. m.; preaching at 7:30 p. m.

Lincoln Park, 29th and G. Ralph C. Sargent, minister. Morning, 10:30 o'clock; evening, 7:30 o'clock; C. E. meets at 6:30 p. m.; Bible school at 10 a. m.

Central, No. L. and Steele, Rev. N. H. Brooks, pastor. Bible school at 10 a. m.; preaching at 11 a. m.; evening service at 7:30 p. m.; C. E. at 6:30.

CONGREGATIONAL
First, Division av. and J. Rev. E. T. Ford, pastor. Morning, 10:30; evening, 8 p. m.

Pilgrim, No. 24th and Warner, Rev. Edgely W. Weller, pastor. Morning, 10:30 a. m.; Sunday school, 11:40 a. m.; evening, 7:45 p. m.

East, East E and 28th, A. D. Shaw, pastor. At 11 a. m. and 8 p. m.; Sunday school, 10 a. m.

MISSIONS
Christian and Missionary, 908 So. G. Rev. O. J. Stone, pastor. Morning, 11 a. m.; evangelistic, 7:30 p. m.; Sunday school, 2 p. m.; preaching 8 p. m.

Swedish, So. 10th and I. J. W. Carlson, pastor. Services, 11 a. m.; Y. P. S. C. E., 5 p. m.; service, 2:45 p. m.

Peniel Gospel. Services every evening at 8 o'clock; Sunday at 3 p. m. 108 So. 12th.

Tacoma Seamen's Institute, 6th and St. Helens, Rev. F. T. Webb, D. D. chaplain. Mr. H. Ferry, hough, supt. Holy communion, 7:30 a. m.; morning, 11 o'clock in St. Luke's, Dr. Webb officiating; service in institute at 8 p. m.

Church of God Mission, 2501 Tacoma. Sunday school, 3 p. m.; preaching, 3 and 7:30 p. m.; prayer, Wed. and Fri. eve. Wm. Strong, pastor.

EVANGELICAL
Adams st., No. Adams and 22d. N. Shupp, pastor. Services at 11 a. m.; Sunday school at 10 a. m.; services, 7:30 p. m.

The Swedish church, 1212 So. 14th. Rev. Oscar W. Kallberg, pastor. Sunday school, 10 a. m.; services, 7:30 p. m.

BAPTIST
First, So. 9th and D sts., Rev. Millard L. Thomas, D. D., pastor. School at 10 a. m.; preaching, Y. P. U. 7 p. m.; evening service at 8; mid-week meeting Thursday; daily prayer service, 12:15 p. m. G. Welcome.

Finland, So. Sheridan and 23d. A. J. Stormans, pastor. S. S., 9:45;

evangelistic services, 11 a. m. and 7:30 p. m.; Y. P. U., 6:30 p. m.; prayer, Thursday, 8 p. m.

Sixth Avenue, 5th and K sts., Rev. Geo. E. Whitehouse, 10:30, sermon; 12:00, Bible school; 2:30, Junior B. Y. P. U.; 6:45, Senior B. Y. P. U.; 7:45, evening worship.

EPISCOPAL
Trinity, No. 3d and K sts., Rev. Charles Y. Collins, pastor. Early celebration, 7:30 a. m.; S. S., 9:45 a. m.; Bible class, 10:00 a. m.; Matins, 11 a. m.

St. Luke's Memorial, So. C and 6th, St. Rev. J. W. Keener, D. D., bishop. Rev. F. T. Webb, vicar. S. S., 10 a. m.; services, 7:30 and 11 a. m.

St. John's, So. 5th and Puget Sound, Rev. Robert H. McGinnis, pastor. W. La. Cullen, lay reader. S. S., 10 a. m.; services, 7:30 and 11 a. m.

The Church of Holy Communion, cor. So. 14th and I st., Rev. Robt. H. McGinnis, rector. Early service, 7:30 a. m.; S. S. and Bible service, 9:45 a. m.; morning prayer, 11 a. m.; evening prayer, 7:30 p. m.

St. Andrew's, No. Oakes and 8th sts., Rev. Frederick T. Webb, D. D., bishop. S. S., 9:45 a. m.; Mr. John R. Jones, supt.; evening prayer and sermon, 7:30 p. m.

PRESBYTERIAN
First, So. G and 10th, Rev. Murdoch McLeod, D. D., pastor. Morning services, 10:30 a. m.; S. S., 12 m.; evening service, 7:30 p. m.; C. E., 6:30.

Sprague Memorial 5th and Warner, So. Tacoma. S. S., 9:45 a. m.; service, 11 a. m.; Junior C. E., 3 p. m.; Adults Bible class, 6:30 p. m.; service, 7:30 p. m. Rev. Dr. Dodds, pastor.

Bethany, No. 41st and Verde st., Rev. O. S. Matheson, pastor. S. S. at 9:45 a. m.; preaching at 11 a. m. and 7:45 p. m.; Y. P. S. C. E. at 6:15.

Westminster, So. 50th and L sta. Services at 11 a. m. and 7:30 p. m. John Alexander, pastor.

Cavalry, Division lane, Rev. John A. Rodgers, pastor. S. S., 10 a. m.; morning service, 11 a. m.; Y. P. S. C. E., 6:45 p. m.; evening service, 7:30 p. m.

Oakland, So. 25th and Proctor sts., S. S., 10 a. m.; preaching service, 7:30 p. m. Rev. Floyd E. Dorris.

UNITED PRESBYTERIAN
First, 6th av. and Grant. Services 11 a. m. and 7:30 p. m.

Third, So. 64th st., Rev. David R. MacDonald, D. D., pastor. Services, 11 a. m.; S. S., 9:45 a. m.; Bible class, 9:45 a. m.; Wednesday meeting, 7:45 p. m.; Friday, 4 p. m.

METHODIST
First, So. 8th and G sts., Thomas W. Lane, pastor. Class meeting, 9:30 a. m.; school at 12 m.; Epworth League, 8:15 p. m.; morning with League, 6:45 p. m.; morning, 8 p. m.

Swedish, J. and 11th sts., Rev. A. G. Beck, pastor. Morning service, 10:30 a. m.; S. S., 12 m.; Epworth League, 7 p. m.; evening service, 7:45 p. m.; prayer meeting, Wed. evening at 7:45 p. m.

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Society
Vida chapter, O. E. S., will give the ball planned for Tuesday, April 30, on Monday evening, April 29, at the Masonic temple.

The High School Glee Club gave a party at the home of Geo. Russell, North 36th and Adams sts., last Saturday night. Music and games were enjoyed.

Prof. F. M. Knox, M. S. D., will address the Mental Scientists Sunday evening at 8 p. m. at Unity hall, 1117 1/2 Tacoma av.

The Woman's League of the First Congregational church will meet Monday afternoon with Mrs. Henry Rhodes, 701 North J st.

The Caroline A. Ladd chapter of the First Presbyterian church will hold an all-day meeting Monday at the church.

Mrs. W. N. Allen will entertain the members, and their husbands, of the Twentieth Century club next Tuesday evening.

The Progressive Psychic society will entertain this evening at a card party and dance at Fraternity hall.

The Red Men will confer the Adoption and Chief's degree on a class Monday, April 22, besides taking some action on the Montanara Fests.

Smith, Florist, Main-4978, 906C.

The Puget Sound Homesteaders will give a card party in the Eagles' hall, 13th and E, Tuesday, April 23.

It's Easy to Peel Off All Your Freckles

The contrast between the freckles and the clear skin usually is so great that a search can be made more than partially successful in obliterating the disfigurements. Ordinary macrolized wax is fast better; it literally peels off the freckles. Get an ounce of it at the nearest drug store and tonight spread on enough to completely cover your face; remove in the morning with warm water. Repeat daily until every freckle has disappeared.

Rough, blotchy, pimple skin, also common at this season, may be entirely gotten rid of by this same method, without discomfort or inconvenience. The effort is decided upon when the new complexion obtained being so clear, smooth and youthful. If bothered with wrinkles after washing off the macrolized wax bathe the face in a lotion made by dissolving an ounce of powdered salicylic in a half pint of witch hazel.—Adv.

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