

Foreign substances, such as chemicals deposited from fermentation, may seriously affect the stomach and other organs. Calcareous matter may be observed, not only about the teeth, but in the urinary bladder, gall-bladder and in gouty joints. Ammonia, found in the breath and recognized long ago, was thought to have come from the lungs. The discovery of W. W. Wrigley therefore, that fermentation is a source of ammonia, in the mouth, is startling the world. Chemists Fail in Combating Tartar. Many chemists have directed their efforts to combating tartar, without attacking its source and have failed. They overlooked fermentation, which results in chemical products that combine with other substances in the mouth to form tartar and present so many serious problems in the mouth. Spearmint Anti-Fermentative Tooth Paste Stops Fermentation. Spearmint Anti-Fermentative Tooth Paste aims directly at the source. Spearmint Anti-Fermentative Tooth Paste is formulated to stop fermentation. * * * By penetrating and coming in contact with fermentable foods, Spearmint Anti-Fermentative Tooth Paste stops fermentation. In arresting the process of fermentation, it causes a discontinuance of a fermentation production or formation of a gummy binder. Without a gummy binder, food debris, salts and germs either do not gather or loosen and are washed away. Teeth appear with a brilliancy. It, also, prevents the production from fermentation of chemicals, that form tartar and may become absorbed, in the system, with injurious results. * * * Anti-Fermentative Tooth Paste * * * Acid mouth is dreaded by many people. Acid mouth appears to be a common condition resulting from fermentation. The unremitting researches of W. W. Wrigley made it possible for him to so add to the ingredients of Spearmint Anti-Fermentative Tooth Paste that it is offered as an antacid, as likewise, an anti-fermentative. * * * Correct Theory Experts agree Spearmint Anti-Fermentative Tooth Paste offers the right theory. Anyone can convince themselves in a few days by using Spearmint Anti-Fermentative Tooth Paste. Anyone desiring to test Spearmint Anti-Fermentative Tooth Paste will be given a free 12-day tube. * * * I have given many years of my life leading to the conclusion that fermentation is a cause of serious tooth and gum trouble and then to compound an anti-fermentative, antacid tooth paste to stop that fermentation. That I have met with such universally accepted success and now see the results of Spearmint Anti-Fermentative Tooth Paste in the radiant white teeth of its users everywhere is the greatest source of satisfaction and contentment in my whole life."

On January 5, 1932, no claimant having appeared for the property judgment of condemnation and forfeiture was entered, and it was ordered by the court that the product be destroyed by the United States marshal.

ARTHUR M. HYDE, *Secretary of Agriculture.*

19166. Adulteration and misbranding of Pyradium. U. S. v. 13 Bottles of Pyradium. Default decree of condemnation, forfeiture, and destruction. (F. & D. No. 27312. I. S. No. 44859. S. No. 5413.)

Examination of a drug product, known as Pyradium, from the shipment herein described showed that the labeling bore statements representing that the article possessed curative and therapeutic properties which it did not possess. It was further claimed for the article that it was antiseptic and contained appreciable amounts of radium, whereas it was not antiseptic and contained a negligible amount of radium.

On December 1, 1931, the United States attorney for the Eastern District of Wisconsin, acting upon a report by the Secretary of Agriculture, filed in the District Court of the United States for the district aforesaid a libel praying seizure and condemnation of 13 bottles of Pyradium, remaining in the original unbroken packages at Milwaukee, Wis., alleging that the article had been shipped by the Radium Remedies Co. Minneapolis, Minn., on or about October 14, 1931, and had been transported from the State of Minnesota into the State of Wisconsin, and charging adulteration and misbranding in violation of the food and drugs act as amended.

Analysis of a sample of the article by this department showed that it consisted essentially of zinc sulphate, sodium chloride, boric acid, radium (1.68 millimicrograms per milliliter), glycerin, and water, flavored with peppermint oil and colored green. Bacteriological examination showed that the article was not antiseptic.

It was alleged in the libel that the article was adulterated in that it was sold under the following standard of strength and fell below such professed standard,

since it contained an inconsequential proportion of radium and was not antiseptic: (Bottle) "Radium * * * Preparation Pyradium Kill the Germs;" (circular) "Pyradium * * * To relieve Pyorrhoea, you must destroy the germs * * * Pyradium is prepared especially to do these * * * things and it has proven beyond question most effective in accomplishing its purpose * * * Pyradium, an antiseptic * * * preparation * * * prepared with Radium * * * To destroy the insidious pyorrhoea germs * * * is the purpose for which Pyradium was designed and intended. * * * The emanations given off from genuine Radium in Pyradium are stored up in the solution highly charging it, thereby making the other substances in Pyradium doubly powerful and effective due to what chemists call, 'Catalysis.' As electricity intensifies the magnetism of iron, as Pectin increases the jellying quality of fruit juices and sugar—so Radium electrifies and intensifies the antiseptic substances in the Pyradium solution. Pyradium Contains Radium * * * Pyradium * * * containing Radium, * * * The Wonders of Radium * * * Radium is * * * a powerful antiseptic, * * * allows mouth and gums time to absorb the Radium emanation * * * Pyradium * * * is an excellent antiseptic."

Misbranding was alleged for the reason that the statements above quoted were false and misleading. Misbranding was alleged for the further reason that the following statements regarding the curative or therapeutic effects of the article, appearing in the labeling, were false and fraudulent, since the article contained no ingredient or combination of ingredients capable of producing the effects claimed: (Carton) "Pyorrhoea Preparation * * * Germicidal * * * Healing;" (bottle label) "Pyorrhoea Preparation * * * Kill the Germs Save the Teeth * * * Use after meals, morning and evening, and upon retiring. * * * Soreness of gums having sufficiently diminished to permit, have dentist clean and scale tartar from teeth and irrigate Pyradium full strength into pus pockets. * * * As normal condition of gums is restored, the brushing of teeth and gums, once daily, with Pyradium full strength, should be sufficient to maintain healthy gums;" (coupon) "Guarantee This bottle of Pyradium is guaranteed to relieve pyorrhoea, if used according to directions;" (circular) "Pyradium for Pyorrhoea Radium Remedies Co. * * * Pyorrhoea. Pyorrhoea is a gum disorder which is very treacherous because of its almost painless progress and many times it is far advanced before persons are aware of any disturbances. How to tell Pyorrhoea: When your gums bleed, even a little when you brush your teeth, so that the tooth brush shows pink, Pyorrhoea is undoubtedly started. If some teeth are getting loose even if they don't hurt, Pyorrhoea is surely to come. Try pressing hard against the gums with your fingers. If you see some white milky pus around the edge of the gums—that shows Pyorrhoea. As Pyorrhoea progresses, the formation of pus becomes worse and eventually may result in falling out of the teeth. A bad taste in the mouth is usually present. When Pyorrhoea has reached the pus stage, absorption of this poisonous material into the system takes place, giving rise to rheumatism, stomach and intestinal disorders, anemia, eye and ear trouble, and various throat infections. To relieve Pyorrhoea, you must first destroy the germs, then aid the tissues of mouth, gums and teeth back to health. Pyradium is prepared especially to do these two things and it has proven beyond question most effective in accomplishing its purpose. It is equally effective in treating the many other infections of the mouth and throat, some of which are almost as disagreeable as Pyorrhoea. Pyradium * * * was especially formulated for the treatment of Pyorrhoea, Trench Mouth, and other Oral Infections. To destroy the insidious pyorrhoea germs and invigorate the sluggish gum tissue, is the purpose for which Pyradium was designed and intended. Its regular use should bring satisfaction, allay and prevent infection, soothe the tender, bleeding gums and assist nature in making the gums firm and normal. * * * The emanations given off from genuine Radium in Pyradium are stored up in the solution highly charging it, thereby making the other substances in Pyradium doubly powerful and effective due to what chemists call, 'Catalysis,' * * * The almost inconceivable power of an atom of Radium explains why Pyradium, a pyorrhoea treatment containing Radium can be manufactured and sold at a price within the reach of everyone. * * * That is what the radio-active treatment will do * * * stimulate the glandular secretions, the chemical composition of the body, eliminate the danger of the accumulation of poisons and carry us on in health and vigor over many more years than

are now considered the normal span of life.' The discovery of radio activity has to an extent revolutionized the theory and practice of modern medicine, for it has shown the existence of an entirely new and very efficient element or source from which healing power may be obtained and which has proven itself to be a power accessory in the treatment of various diseases. Numerous elements and maladies have been treated successfully with Radium emanation. Radium has a distinct physiological effect upon the human system. Clinical and laboratory tests have absolutely proven this. There is a decided beneficial effect upon the circulation. The Radium rays carry energy into the depths of the body, vitalizing every organ and tending to make every cell in the body full of health and vitality. The Way of Pyradium. Due to the tremendous power of Radium rays and the further fact that sluggish gum tissue is a factor in pyorretic conditions—although Pyradium is an astringent and powerful antiseptic, the invigorating and stimulating effect of the Alpha Rays in Radium is believed to be the major reason for the effectiveness of Pyradium. Pyradium has brought relief to thousands of people who were sufferers of Pyorrhoea and is preventing many more thousands from falling prey to gum diseases. It will do the same for you if you follow carefully the directions in this little book. How to Use Pyradium. * * * Dilute one-half teaspoon of Pyradium with one and one-half teaspoons water. Rinse mouth thoroughly with this solution by forcing between teeth and gum at least three minutes and even better results will be had when held longer. This allows mouth and gums to absorb the Radium emanation into the tissues and blood stream, and time for the other substances in the solution to penetrate. When treating Pyorrhoea or other mouth infections, repeat the above use of Pyradium after morning and evening meals and at bedtime. As a preventative and to give Permanent Relief from Pyorrhoea—brush teeth and gums, once daily, with Pyradium full strength. An easy and pleasant way to use is to take a few drops between lips and teeth, then brush, or apply direct to brush. This makes the gums firm. * * * Radium used as a daily Mouth Wash to promote healthy conditions of the mouth, teeth and gums, and as an effective treatment for Bad Breath, should be diluted with 10 parts water and used after meals at least twice daily. For inflamed and Bleeding Gums, Sore Mouth, Canker Sores, Cold Sores and other Infections, or for Injury to the Gums or Mouth, and after Extraction of Teeth, dilute from one part Pyradium to four parts water to full strength, as seems to suit particular conditions and use as above directed. * * * In the Pyradium treatment, patient should visit the dentist to have tartar scaled from the teeth, to have corrected any mechanical defects and to have dentist inject Pyradium full strength into pus pockets. * * * Our Iron Clad Guarantee: To those who have not previously used Pyradium, we guarantee that your money will be refunded (by us when purchased direct and by your druggist when purchased from him) if one bottle, used faithfully, according to directions, fails to give satisfaction in the treatment of Pyorrhoea, Trench Mouth, bleeding gums, gum boils, or ulceration of the gums."

On January 25, 1932, no claimant having appeared for the property, judgment of condemnation and forfeiture was entered, and it was ordered by the court that the product be destroyed by the United States marshal.

ARTHUR M. HYDE, *Secretary of Agriculture.*

19167. Misbranding of J & J analgesic. U. S. v. 5 Dozen Packages of J & J Analgesic. Consent decree of condemnation and forfeiture. Product released under bond and subsequently destroyed.
(F. & D. No. 26944. I. S. No. 38169. S. No. 5151.)

Examination of J & J analgesic from the shipments herein described having shown that the labeling bore statements representing that the article possessed curative and therapeutic properties which it did not possess, the Secretary of Agriculture reported the matter to the United States attorney for the Eastern District of New York.

On September 10, 1931, the United States attorney filed in the District Court of the United States for the district aforesaid a libel praying seizure and condemnation of five dozen packages of J & J analgesic, remaining in the original packages at Brooklyn, N. Y., consigned by Johnson & Johnson, New Brunswick, N. J., alleging that the article had been shipped from New Brunswick, N. J., in part on or about July 29, 1931, and in part on or about August 15, 1931, and had been transported from the State of New Jersey into the State of New York, and charging misbranding in violation of the food and drugs act as amended.