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The MONTHLY BULLETIN will be sent to all health officers and deputies in the State. Health officers and deputies should carefully read and file each copy for future reference. This is very important, for we expect to print instructions, rules and general information, which it will be necessary for officers to preserve.

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The State Board of Health has printed a small pamphlet giving a list of indefinite terms frequently used and which should be avoided in stating the cause of death. These will be furnished to any physician who may desire them.

ABSTRACT OF MORTALITY STATISTICS FOR NOVEMBER, 1907.

Total number of deaths 2,543, rate 11.5. In the corresponding month last year, 2,908 deaths; rate, 13.3. In the preceding month 2,701, rate 11.8. Deaths by important ages were: Under 1, 315 or 13.2 per cent. of the total; 1-5, 115; 5-10, 62; 10-15, 48; 15-20, 64, and 65 and over, 777.

Some important causes of death were: Consumption 292, typhoid fever 76, diphtheria 36, scarlet fever 7, measles 3, whoopingcough 3, pneumonia 245, diarrhoeal diseases 43, cerebro spinal meningitis 9, influenza 13, puerperal fever 9, cancer 121, violence 176.

SANITARY SECTIONS: THE NORTHERN SANITARY SECTION, population 889,960, reports 851 deaths, rate 13. In the preceding month 866, rate 11.3.

THE CENTRAL SANITARY SECTION, population, 1,118,576, reports 1,054 deaths, rate 11.4. In the corresponding month last year, 1,156, rate 12.9. In the preceding month 1,171, rate 12.3.

SOUTHERN SANITARY SECTION, population 675,649, reports 638 deaths, rate 11.5. In the corresponding month last year 804 deaths, rate 14.5. In the preceding month 664 deaths, rate 11.5.

REVIEW OF SECTIONS: For the first time since statistics were compiled in this state, the various sections show very nearly the same death rate, and, of course, this is the same as the rate for the whole State. The figures are as follows: State, 11.5; Northern section, 11.5; Central section, 11.4; Southern section, 11.5. The Northern section shows a lower death rate from pneumonia than the average for the state and lower also than the other two sections. This is also true for cerebro spinal meningitis, influenza and tuberculosis. However, the Northern section shows the highest death rate from violence, which is 97.5, the violence rate for the state being 79.2.

CITIES: Total population, 1,028,002, report 1,186 deaths, rate 14. In the corresponding month last year, 1,375 deaths, rate 17. The city rate is 2.5 higher than for the whole State and 3.1 higher than the country rate. The cities show a higher death rate than the average for the whole State in the following diseases: Tuberculosis, diphtheria, puerperal fever, cancer, violence. The country, with a population of 1,666,183, reports 1,357 deaths, rate of 9.9. The death

rates for cities having over 25,000 population are: Indianapolis, 16.9; Evansville, 11.4; Ft. Wayne, 11.7; Terre Haute, 15.2; Anderson, 10.3; Muncie, 10.2; South Bend, 18.

SUMMARY OF MORBIDITY AND MORTALITY FOR NOVEMBER, 1907.

Bronchitis and tonsillitis were reported to be the most prevalent disease. Typhoid fever was reported most prevalent in October, and falls to third place in November. Tonsillitis and bronchitis were also reported as the most prevalent maladies in November of last year. The order of disease prevalence was as follows: Bronchitis, tonsillitis, typhoid fever, rheumatism, influenza, pneumonia, diphtheria and croup, diarrhoea, pleuritis, scarlet fever, intermittent fever, measles, chickenpox, erysipelas, smallpox, dysentery, inflammation of bowels, whooping-cough, puerperal fever, typho-malaria fever, cholera morbus, cerebro spinal meningitis, cholera infantum.

TUBERCULOSIS: Total number of deaths, 292. Of these 254 were pulmonary. In the corresponding month last year, total deaths 323, pulmonary form 284. Of the tuberculosis deaths, 124 were males, and 168 females. Of the females, 21 were married and in the age period of 18-40, and left 46 orphans under 12 years of age. Of the males, 53 were married in the same age period, and left 106 orphans under 12. Total orphans under 12, made by tuberculosis, in the one month, 152. Of this number, we can not tell how many will pass into orphan asylums and become a charge upon the state. Homes invaded, 271. Of the total consumption deaths, 188 or 64 per cent., were in the age period of 15-50.

SMALLPOX: One hundred and seven cases were reported from 14 counties with no deaths. In the corresponding month last year, 216 cases reported from 14 counties with no deaths. The counties reporting the disease present were Bartholomew 1 case, Clay 2, Daviess 3, Elkhart 15, Lagrange 40, Madison 21, Marshall 1, Miami 1, Noble 2, Parke 1, Sullivan 1, Tippecanoe 1, Wayne 12.

PNEUMONIA: 245 deaths were reported. In the corresponding month last year, 302. In the preceding month, 160. Of the total number, 132 were males and 113 females. By age periods, the pneumonia deaths were: Under 1, 45; 1-5, 23; 5-20, 16; 20-40, 29; 40-60, 36; 60-80, 71; 80 and over, 25.

TYPHOID FEVER: 440 cases reported from 60 counties with 76 deaths. In the corresponding month last year, 790 cases reported in 73 counties with 135 deaths. Adams county reports 12 cases, 2 deaths. This amounts to an epidemic for a population of a little over 23,000. Clark reports 9 cases with 2 deaths, which is also an epidemic in a population of 32,000.

Knox reports 20 cases with 2 deaths, an epidemic in a population of 35,000.

DIPHThERIA: 267 cases in 51 counties with 33 deaths. In the corresponding month last year, 8 of the 92 counties of the State reported the disease present, with 79 deaths. We are well aware that only a small proportion of the cases of diphtheria are reported, because it is impossible to diagnose this disease *absolutely* except by laboratory examination. Most of the people and a large number of doctors do not know that diphtheria can exist in latent form and some of the doctors can never learn this truth. At Plainfield, a diphtheria epidemic prevailed and the State Board of Health was asked for assistance. Cultures were taken from pupils and teachers and out of 120 such cultures, taken from persons supposed to be well, 44 were found infected with diphtheria. These were carriers of the infection. It was with the utmost difficulty that these infected people could be prevented from carrying their infection wherever they pleased, for they would not believe it possible that they were infected. They would argue, "I am not the least bit sick, I haven't even a cold." Of course, this makes no difference, for we now know that all epidemics of diphtheria proceed from these carriers of the disease in latent form.

VIOLENCE: Deaths from violence 176, corresponding month last year 184. There were 13 murders, 26 suicides and 137 accidental deaths. Of the murders, 10 were males and 3 females. Seven males and 2 females were murdered by gunshots, 1 male by cutting of throat, and 3 males killed by blows from blunt instruments. Of the 26 suicides 19 were males, 7 females. Eight males chose gunshots, 3 males and 2 females chose hanging, 1 male drowned himself, and 7 males and 5 females poisoned themselves.

Of the accidental deaths, steam railroads killed 30, street cars and interurbans 4, fractures and crushing injuries 12, burns and scalds 26, gunshots 6, drowning 2, horses and vehicles 9, falls 17, electricity 3, poisons 7, and other methods, the remainder.

SLEEPING UNDER A WINDOW TENT.

If people only knew what good health and good spirits attend sleeping with one's head under a window tent, then one and all would do it. We must learn the virtues of breathing pure, cold air. Coughs, colds, pneumonia, consumption and all other diseases of the air passages are principally induced by breathing foul air. The blood needs fresh air, the tissues need fresh air, the cells need fresh air and even the bones need it. Foolish, very foolish are those who shut their bedroom windows, who fail to ventilate their sitting and dining rooms or who in any way cut out the fresh, health-giving, life-giving air. In the winter time it is sometimes

very uncomfortable to open the bedroom windows wide because of the cold. A cold night in bed is indeed a miserable experience, but it is more healthful in the long run than warmth without a full quota of fresh air. As Captain Nausen said of his experience in the Arctic regions: "We suffered in sleeping out from cold, had frozen members and frost bites, but not a man in the whole expedition had a cold or cough or pneumonia during the three years we were in the North. Upon our return home and with sleeping in houses we all had colds and coughs and some died of pneumonia."



The window tent supplies fresh outdoor air to breathe and at the same time permits the feet, legs and body to be in the warm room. The head is accustomed to the cold, and in very cold weather an ordinary woman's knit hood may be worn to protect the ears and cheeks.

Night is the reconstructive period for the body and its functions. During the night and when asleep, the tissues are repaired and the brain and nerve cells are recharged with energy. Pure air is the great factor in repair work.

The "fresh-air-man" is always a man with a clear head, good digestion and full energy. Consumption and catarrh in their early stages can be cured by breathing fresh air night and day. The fresh air is the first requirement for the cure, but it is necessary also to lead a regular life, to eat plain, well-cooked food, and attend carefully to all of the bodily functions.

The window tent figured above is made by the Walsh Window Tent Co. of Morris, Illinois. It is adjustable to any window or bed. The regular size will fit windows from 24 to 40 inches wide, and may be put in or taken out instantly by simply turning a set screw.

REPORT OF BACTERIOLOGICAL LABORATORY, NOVEMBER, 1907.

Total number of all specimens examined, 765. Nature and results of examinations were as follows:

Sputum for T. B.	Positive.. 59	Negative..130	Total.. 189
Diphtheria	Positive..204	Negative..267	Unsatisfy..12
Typhoid	Positive.. 41	Negative.. 27	Unsatisfy.. 1
Urine for T. B.	Positive.. 0	Negative.. 4	Total.. 4
Pus for T. B.	Positive.. 0	Negative.. 2	Total.. 2
Cystic Fluid for T. B.	Positive.. 0	Negative.. 1	Total.. 1

Urethral discharge for					
Gonococci	Positive.. 3	Negative.. 4	Unsatisfy.. 1	Total.. 7	
Hydrophobia	Positive.. 1	Negative.. 0	Unsatisfy.. 0	Total.. 1	
Malaria	Positive.. 0	Negative.. 5	Unsatisfy.. 1	Total.. 6	
Tissue	Adeno-Carcinoma.. 2	Papillary Carcinoma.. 1	Sarcoma.. 1	Total.. 4	

Total number of examinations..... 765

OUTFITS SENT OUT.

Tuberculosis	232
Diphtheria	282
Typhoid	93
Malaria	56
Total	663

Of the total number of specimens examined 483 were for diphtheria; 350 were from Hendricks county. This, like most epidemics, was due to the general but mistaken idea, that diphtheria is always attended by the formation of a pseudo-membrane, and that pharyngeal inflammation without a membrane is but a "common cold." Cultures taken to the number of 120 from pupils and teachers in the academy and in the public schools at Plainfield, showed diphtheria bacilli present in 48. In other words, 40 per cent. of the persons examined were infected with diphtheria and were likely to spread the malady. Only a few were feeling really sick and most of them thought they had simply "a cold." It was difficult to convince many that they were diphtheria carriers, for they placed much emphasis upon "not being sick." The co-operation of the people for the suppression of the epidemic was not fully secured. "I won't believe I have diphtheria," was the remark of more than one person who carried the infection, yet did not feel ill.

This Plainfield experience adds another to the many other known instances where the people would not accept practical, scientific methods for the prevention of epidemics. Such opposition, we hope, will depart with the acquirement of fuller knowledge by the people.

Diphtheria deaths, with, of course, many cases which were recognized and unrecognized, occurred in the following counties: Benton, Lagrange, Newton, St. Joseph, Brown, Decatur, Hendricks, Madison, Marion, Randolph, Tipton, Vigo, Wayne, Clark, Daviess, Dearborn, Dubois, Greene, Lawrence, Martin, Posey, Vanderburgh, Washington. The counties which did not ask for cultures and examination by the State Board were altogether too many. The disease most likely existed in every county in the State.

REPORT OF THE DEPARTMENT OF FOOD AND DRUGS, INDIANA STATE BOARD OF HEALTH, TO DECEMBER 1, 1907.

H. E. BARNARD, STATE FOOD AND DRUG COMMISSIONER.

The results of the examination of food products in 1906 showed 22.3% of all the samples analyzed to be adulterated. In August of this year the percentage had dropped to 27.1%. During the four months since then the figures have continued to show improve-

ment, so that at the present time but 18% of the samples examined are illegal. This remarkable improvement in the quality of the food supply must be attributed to several conditions, the most important of which are the new State and Federal Food Laws, and the increased interest of the manufacturer and retailer in the character of the goods they produce and distribute. More valuable even than is this improvement in the composition of the food supply is the decided change for the better in the sanitary conditions surrounding food production. It is of more value to the community to compel bakers to keep their shops clean, to discharge diseased workmen and to install a pure water supply, than it is to stop the sale of buckwheat cakes which contain wheat flour. It is far more important to know that the hog is free from tuberculosis than that his shoulders are not sold as "picnic hams." The reports of the prosecutions brought during the month show a constantly increasing number of cases filed for unsanitary surroundings, dirty milk and exposed meat, and a decrease in the number of cases of sale of adulterated food.

Conditions in the drug trade are the reverse of those found in connection with the manufacture and sale of food products. The percentage of adulterated drugs in 1906 was 62.5%. In August, 1907, 50%, and at the present time 59.9%. No improvement in the quality of druggists' preparations has yet been noted except the elimination of a few notoriously fraudulent articles such as paraffin beeswax, black antimony made from powdered charcoal, and precipitated sulphur and plaster of paris. Tincture of iodine, spirits of camphor, tincture of capsicum and ginger are no better now than before the pure drug law was put in operation. We are not willing to believe that the druggists of the State do not intend or desire to comply with the law. The reason for the extremely unsatisfactory conditions is not yet apparent. The fact that the law is explicit in requiring druggists' preparations to be up to the standard of strength laid down in the United States Pharmacopoeia should be a sufficient guide to every druggist. The law can be interpreted in but one way. If the goods are up to U. S. P. requirements they are legal; if they fall short of this standard they are illegal and their sale constitutes a violation of the pure drug law. It makes no difference under the law whether the article in question is beeswax or tincture of opium, lime water or iodide of potassium, whether it is used as a cosmetic or active drug, whether it is dispensed daily or but once a year. It is not our desire to work hardships on the druggists nor to insist upon compliance with impossible conditions, but when the State pharmacy laws require every drug store to have a registered pharmacist in attendance, it is certainly not expecting too much of these trained men to suppose them capable of making the ordinary chemical tests necessary to establish the quality of their preparations.

FOODS.

BAKING POWDER—LEGAL.

Lab. No.	Manufacturer or Dealer.	Available Carbon Dioxid. Per Cent.	Remarks.
9332	J. H. Walker, Rockport	10.9	
9328	E. C. Harley & Co., Dayton, O.	*12.1	
9930	E. C. Harley & Co., Dayton, O.	10.5	

* Baking Soda.

BAKING POWDER—ILLEGAL.

8838	Froman Bros., Columbus	9.06	An old powder.
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CATSUP—ILLEGAL.

Lab. No.	Manufacturer or Dealer.	Benzene of Soda.	Color.	Remarks.
8142	Wm. E. Byers, Zionsville	Present	Natural	Adulterated.
8584	Edwin Stiles, Delphi	Present	Artificial.	Adulterated with Saccharine and Starch.

CREAM TARTAR—LEGAL.

Lab. No.	Dealer.	Per Cent Purity.	Remarks.
7873	H. H. Jeffers, Bloomington	99	
7877	Geo. W. O'Harrow, Bloomington	98	
7884	J. C. Vermilion, Bloomington	98	
7886	Wood Wiles, Bloomington	98	
7891	Thomas J. Penrod, Bloomington	99	
7937	Brown Drug Co., LaFayette	98	
7956	E. B. Merritt, Frankfort	99	
8238	Meyer Bros., St. Louis	98	
8046	Muech & Co., New York City	98	
8037	G. W. Tepe, Evansville	98	
8089	Leight & Co., Evansville	99	
8091	Leight & Co., Evansville	99	
8536	Ralph Hill, Delphi	97	
8367	Crawford Bros., Delphi	97	
8593	George Gifford, Delphi	97	
8837	Will Weta, Columbus	97	
9088	I. J. Rich, Washington	97	
	L. M. Davis, Marengo	96.7	
9799	Brodbeck Bros., South Bend	96	
9911	A. C. Fulkerton, Greenfield	97	
9912	N. Reeves, Knightstown	97	
9989	Frank Vongelder, Plymouth	97	
10057	E. K. Durkee & Co., New York	97	

CREAM TARTAR—ILLEGAL.

8280	Barnhill, Hornaday & Pickett, Crawfordsville		Starch and Alum present.
8840	Cox & McMillan, Columbus		Starch and Alum present.
8530	F. L. Sheridan, Attica		Starch and Alum present.

DAIRY PRODUCTS.

BUTTER.

Fifty-three samples of butter have been analyzed since the last report and of this number 9 were not butter but oleomargarine. The sale of butter for oleomargarine is decreasing as manufacturers and dealers become aware of the stringent laws against such misrepresentation, but there is still considerable adulterated butter sold. The restaurants are frequent offenders and cases constantly come to our notice of the sale of oleomargarine when the bills of fare claim that butter is served. Butter in prints is sometimes short weight. The sale of a pound of butter calls for the delivery of a pound package and it is just as illegal to sell short weight butter as to give short change. Since butter shrinks or dries out after making, the prints must be sufficiently overweight when first made to insure the consumer that his purchase is full weight when delivered to him a month later.

BUTTER—LEGAL.

Lab. No.	Retailer.	Butyro Reading @ 40°C.	Reichert Messel Number.	Remarks.
8490	Louis Diechmann, Logansport	43.3	25.6	
8740	F. W. Klein, Logansport	42.7	28.3	
9273	W. J. Bick, Marion	44.3	28.8	
9098	John Fissel & Co., Ft. Wayne	43.2	25.4	
9095	Harry Hockemeir, Ft. Wayne	42.7	27.4	
9094	Henry Hockemeir, Ft. Wayne	44.3	25.6	
9100	J. P. Hinton, Ft. Wayne	44.5	28.4	
9101	J. A. Rdey, Ft. Wayne	43.7	26.0	
9104	J. B. Weiten, Ft. Wayne	43.3	27.3	
9105	John Vodermarks, Ft. Wayne	42.4	29.5	
9106	Dittoe Grocery Co., Ft. Wayne	44.6	25.2	
9107	Oscar Wobock, Ft. Wayne	44.6	27.8	
9108	D. M. Koble, Ft. Wayne	44.4	27.4	
9109	Val Hartman, Ft. Wayne	44.5	28.66	
9110	Kennedy & Darby, Ft. Wayne	42.4	28.9	
9111	T. W. Scofield, Ft. Wayne	43.1	27.5	
9137	Kelly & Allman, Peru	43.2	27.6	
9145	S. W. Smith, Peru	43.7	25.0	
9152	Glennon & Wendt, Peru	43.1	28.8	
9267	J. W. Monaghan, Marion	44.4	25.5	
8268	Denton Hotel Co., Marion	44.5	28.1	
9269	Turner Overman, Marion	44.3	29.1	
9271	George A. Keifer, Marion	45.0	30.4	
9273	Wm. Hilsamer, Marion	43.0	26.5	
9279	Homeer Watson, Marion	42.7	26.8	
9658	F. Hamler & El. Cretter, Connersville	41.8	28.5	
9668	M. Wenger & Son, Connersville	42.8	24.66	
9776	L. T. Smith, South Bend	42.8	25.1	
8798	Brodbeck Bro., South Bend	43.4	25.9	
9803	Salinger Bros., South Bend	42.9	27.8	
9893	The Traders Palace Grocery, Plymouth	43.7	24.66	

BUTTER—LEGAL—Continued.

Lab. No.	Retailer.	Butyro Reading @ 40°C.	Reichert Meissl Number.	Remarks.
10079	R. A. Ebert, Michigan City	43.6	24.72	
10338	Dr. J. Cooperider, Madison	42.9	26.3	
10283	J. L. Angles, Evansville	42.8	24.59	
10332	J. M. Sweeney, Dugger	43.3	25.01	
10355	L. Barton, Indianapolis	43.8	26.3	
10396	American Dairy Co., Martinsville	42.5	25.2	
10414	Haynes Cafe, Indianapolis	43.4	28.3	
10473	Oscar W. Bowen, Monticello	42.0	26.8	
10474	William Roth, Monticello	44.1	21.9	
10477	Henry Kord, Clay City	45.2	26.9	
10522	Maryland Grocery Co., Indianapolis	42.7	24.6	
10523	Dr. Hurty, Indianapolis	44.3	24.8	
10727	Foster-Fowler Cafe, Indianapolis	44.1	24.3	

BUTTER—ILLEGAL.

Lab. No.	Retailer.	Butyro Reading @ 40°C.	Reichert Meissl Number.	Remarks.
10231	American Dairy Co., Indianapolis	46.1	6.72	35% butter.
9099	W. R. Frederick, Ft. Wayne	43.9	3.12	10% Cottonseed oil.
9007	Vernon Grice, Ft. Wayne	49.0	1.43	10% Cottonseed oil.
9102	J. C. Graham, Ft. Wayne	49.15	1.78	Adulterated.
9103	W. W. Bruna, Ft. Wayne	49.2	1.23	Adulterated.
9270	Jacob Middleton, Marion	50.3	.72	Adulterated.
9266	G. A. Phillips, Marion	49.2	1.41	Adulterated.
8233	"Nuf Ced" Butter and Egg Store, Evansville	45.5	.70	Oleomargarine.
7828	LaVan Restaurant, Indianapolis	53.4	1.17	Adulterated.

CREAM.

Of the 26 samples of cream analyzed, 11 were below the standard 18% butter fat required by law. Two of the samples classed as illegal were sufficiently rich in butter fat, but as they contained in addition a large amount of extraneous dirt they were classed as adulterated.

CREAM—LEGAL.

Lab. No.	Retailer.	Fat, Per Cent.	Remarks.
9320	Marion	20.0	
9417	Paul Adams, Indianapolis	21.0	
9464	C. L. Hadley, Indianapolis	18.0	
9481	F. Altum, Indianapolis	23.0	
9506	P. M. Adams, Indianapolis	19.0	
9554	Trogden & Allen, Mooresville	20.0	
9563	Brown & New, Plainfield	21.1	
9504	R. C. Townsend, Mooresville	21.0	
9588	Charles L. Bray, Valley Mills	19.0	
9589	Black & Adams, Brooklyn	27.0	
10149	D. F. Maish, Frankfort	18.0	
10151	Ris Pearcy, Frankfort	18.0	
10180	A. N. Daywatte, Frankfort	18.0	
10376	Minton & Stroding, Muncie	24.8	
10362	Harris & Crull, Noblesville	30.0	

CREAM—ILLEGAL.

Lab. No.	Retailer.	Fat, Per Cent.	Remarks.
8178	Valparaiso	15.5	Formaldehyde present in large quantities.
8514	Charles Prang, Ft. Wayne	17.0	Below standard.
9020	Louis H. Long, Terre Haute	17.8	Below standard.
9265	Clover Leaf Creamery, Marion	16.0	Below standard.
9480	C. L. Hadley, Plainfield	14.0	Below standard.
9565	C. L. Hadley, Plainfield	14.0	Adulterated.
10365	O. P. Jones, Muncie	15.6	Below standard.
10369	S. D. Friar, Muncie	16.5	Below standard.
10233	Chamberlain & Son, Lafayette	22.0	Contained much dirt
10236	Chamberlain & Son, Lafayette	29.0	Contained much dirt.
10381	Clover Leaf Creamery Co., Kokomo	13.0	Below standard.

MILK.

Four hundred and nine samples of milk were analyzed of which 381 were above standard and were classed as pure. Twenty-eight, or 6.8%, were below standard or had a preservative added. The average fat content of the 381 pure samples was 4.27%, 1.03% higher than the legal standard. This showing speaks well for the chemical composition of the milks examined. Several dairymen have been fined for selling milk that contained dirt or was produced under unsanitary conditions. It is far more necessary that cleanliness be an essential to milk production than that the product have a certain fat content. Milk may be rich and yet unfit to use because of the dirt and filth it contains.

Below is given a table showing the result of milk analyses by cities and towns:

MILK ANALYSES BY CITIES AND TOWNS.

Locality.	Total Number of Samples Collected.	Number Above Standard.	Number Below Standard.	Per Cent. Below Standard.	Per Cent. Total Solids In Lowest Sample.	Per Cent. Fat In Lowest Sample.
Anderson	4	4	0	0		
Brazil	6	6	0	0		
Brooklyn	2	2	0	0		
Columbus	1	1	0	0		
Congersville	9	8	1	11.1		3.1
Crawfordsville	8	7	1	12.5	12.07	3.1
Dnerville	1	1	0	0		
Elwood	1	1	0	0		
Frankfort	11	4	7	63.6		3.0
Carey	5	5	0	0		
Greencastle	9	9	0	0		
Greenfield	1	1	0	0		
Hammond	12	12	0	0		
Huntington	1	1	0	0		
Indianapolis	120	115	5	4.1	11.32	2.6
Lafayette	4	0	4	100.0		
Logansport	1	0	1	100.0		3.2
Marion	9	8	1	11.1		3.2
Martinsville	2	2	0	0.0		
Michigan City	11	11	0	0.0		
Mooresville	19	19	0	0.0		
Muncie	10	10	0	0.0		
New Albany	32	32	0	0.0		
North Salem	1	0	1	100.0		1.0
Plainfield	5	4	1	20.0		3.1
Plymouth	2	2	0	0.0		
Princeton	2	2	0	0.0		
Shelbyville	10	10	0	0.0		
South Bend	43	40	3	6.9	11.42	2.8
Thorntown	1	1	0	0.0		
West Newton	5	5	0	0.0		
	348	325	25	77.18		

*These samples contained much dirt.

MILK—ILLEGAL.

Lab. No.	Manufacturer or Dealer.	Fat, Per Cent.	Remarks.
9330	G. L. Reaves, South Bend	2.8	Below standard.
	South Bend	3.2	Below standard.
9448	S. E. Van Arsdale, Whiteland	3.2	Below standard.
9451	J. W. Powell, Whiteland	2.8	Below standard.
9482	J. W. Powell, Whiteland	3.5	Watered.
9483	S. E. Van Arsdale, Whiteland	3.9	Watered.
9488	J. W. Maish, Holmes	2.6	Skimmed.
9561	C. L. Hadley, Plainfield	3.1	Below standard.
9778	L. T. Smith, South Bend	3.0	Skimmed.
9930	O. M. Wilkinson, Crawfordsville	3.1	Below standard.
10150	D. F. Maish, Frankfort	4.4	Sample was dirty
10153	W. H. Messler, Frankfort	5.0	Sample was dirty
10154	W. H. Messler, Frankfort	5.2	Sample was dirty
10155	F. A. Anghe, Frankfort	4.1	Sample was dirty
10156	F. A. Anghe, Frankfort	4.4	Sample was dirty
10157	F. A. Anghe, Frankfort	4.6	Sample was dirty
10232	S. Chamberlain & Son, Lafayette	3.9	Sample was dirty
10234	S. Chamberlain & Son, Lafayette	4.4	Sample was dirty
10235	S. Chamberlain & Son, Lafayette	3.8	Sample was dirty
10237	Chamberlain & Son, Lafayette	4.1	Sample was dirty
10185	W. Irwin, Anderson	2.2	Below standard.
10696	P. C. Brown, New Albany	2.7	Below standard.
9256	Harry Hudson, Marion	2.5	Skimmed.
8749	George A. Chase, Logansport	1.6	Below standard.
7646	S. T. Johnson, East Chicago	2.8	Skimmed.
7821	K. Frankowski, Whiting	2.5	Below standard.
6956	Paul Molohn, Hammond	1.2	Below standard.
8953	Frank Delan, Hammond	2.8	Below standard.

FLAVORING EXTRACTS:

The character of flavoring extracts is rapidly improving. But 5 of the 55 samples of vanilla extract were below standard or mis-labeled.

The synthetic flavors are now properly designated as artificial products.

LEMON EXTRACT—LEGAL.

Lab. No.	Retailer.	Lemon Oil.	Color.
10045	G. E. Galloway, Cambridge City	5.56	Colorless.
10073	O. A. Wellnitz, Michigan City	6.21	Colorless.
*10285	Geo. Chemical Works, Evansville	1.06	Amaline color.
10322	R. S. Lowerys, Rochester	0.68	Colorless.

*Property labeled.

LEMON EXTRACT—ILLEGAL.

Lab. No.	Retailer.	Lemon Oil	Color.
8272	Fred R. Widmer, Dayton	.68	Below standard.
8646	McCullough Drug Co., Lawrenceburg	0.31	Not according to formula.
8709	Wabash Baking Powder Co., Wabash	4.87	Slightly below standard.
8935	B. Heller & Co., Chicago	4.87	Slightly below standard.
96183	Lawrenceburg	.5	Below standard.
10284	Gro. Chemical Works, Evansville	0.12	Not according to label.
8859	John R. Grave, Columbus	0.25	Coal tar. Adulterated.
9360	L. W. Owens, Boonville	2.81	Artificial. Adulterated.
9768	Geo. A. Bayle, St. Louis, Mo.	0.31	Naphol yellow. Adulterated.
9861	Green's Pharmacy, Irvington	1.5	Adulterated.
10120	D. K. Evans & Co., St. Louis	0.0	Coal tar color. Mislabeled.

*Lemon flavor.

ICE CREAM.

Standard ice cream must contain not less than 8% of butter fat. This standard was adopted after consultation with manufacturers representing a large number of the trade in the state, and while the fat standard is much below that required by the Federal statute, yet it is sufficiently high to insure a wholesome and palatable product. When it appears that the standard is suggested by the manufacturers themselves as being entirely fair to the trade and to the consumer, it is surprising to find that of the 89 samples analyzed, but 61 were up to standard, while 28 or 31.4% were below standard. These results evidently indicate an

EXTRACT VANILLA—LEGAL.

Lab. No.	Brand.	Manufacturer or Dealer.	Vanillin.	Coumarin.	Caramel.	Remarks.
7117		H. E. Heiny, Noblesville.	.18	None	Present	
7169		O. E. Tower, Martinsville.	.242	None	None	
7219	Souders	Royal Remedy & Extract Co., Dayton, Ohio.	.10	None	None	
7268		J. H. Connor & Co., New Albany.	.205	None	None	
7378		Henry J. Huder, Indianapolis.	.068	None	None	
7398		Henshaw & Hughes, Elwood.	.062	None	Present	
7400		Crown Cordial Ext. Co., New York.	.200	None	Present	
7450		A. J. Redding, Anderson.	.0588	None	Present	
7517	Eddy's	Eddy & Eddy, St. Louis.	.032	None	None	
7522		C. R. Mills, Lawrenceburg.	.068	None	None	
7536		Galleher & Fritzman, Muncie.	.0276	None	None	
7551	Strong's	Terre Haute Collee & Spice Mills.	.035	None	None	
7554	Rose Bud	McDowell, Britton & Church, Frankfort.	.120	None	None	
7556	Double Concentrated	Jennings Flavoring Ext. Co., Grand Rapids.	.085	None	Present	
7572		C. E. Abel, Seymour.	.037	None	None	
7746		J. F. Bruning & Son, Evansville.	.12	None	None	
*7945		J. H. Danley, Lafayette.	.200	Present	None	
7958	Conkle's	Grocers' Supply Co., Indianapolis	.075	None	None	
7960		J. D. Bartlett, Lafayette.	.500	None	None	
7965		S. F. Baker & Co., Keokuk, Iowa	.2188	None	None	
7969	Rose Bud	Norris & Sieger, Frankfort.	.160	None	None	
7973	Standard	Gillett Chemical Works, Chicago.	.100	None	None	
7975	Monarch	Reid, Murdoch & Co., Chicago.	.062	None	None	
7980		Fred Combs, Lebanon.	.050	None	None	
8010	Judson	Siess Bros., Arcadia.	.025	None	None	
8011	Seely's	Siess Bros., Arcadia.	.124	None	None	
8061		William Fritsch, Evansville	.150	None	None	
8130	Whitecap	Huekin Spice Co., Cincinnati.				
8206		L. W. Holmes & Co., Indianapolis	.070	None	None	
9220		C. A. Gable, Indianapolis	.70	None	None	
9251		Star Drug Store, Lebanon.	.050	None	None	
9301		Thompson & Taylor Co., Chicago.	.23	None	None	
9309		Thompson & Taylor Co., Chicago.	.150	None	None	
9329		Eli Myers, Crawfordsville.	.170	None	None	
9387		E. W. Fillett Co., Chicago.	.125	None	None	
9460		Moses Barnett, Evansville.	.062	None	None	
9577		R. W. Snyder, Battle Creek, Mich.	.184	None	None	
8645	XXXX	McCullough Drug Co., Lawrenceburg.	.143	None	None	
8750		J. F. Coulson, Logansport.	.117	None	None	
8936	Pure	Atlantic Importing Co., New York.	.162	None	None	
9175	Souders	Royal Extract & Remedy Co., Dayton	.238	None	None	
9174	Trojan	John H. Tolman & Co., Chicago.	.096	None	Present	
9176	Souders	Royal Remedy & Extract Co., Dayton	.227	None	None	
9177	Souders	Royal Remedy & Extract Co., Dayton	.140	None	None	
9204		Amos Gipe, Wabash	.080	None	None	
9205		Amos Gipe, Wabash	.300	None	None	
9206		Amos Gipe, Wabash	.112	None	None	
9328		Gem Extract Co., Frankfort.	.120	None	None	
9339		Gem Extract Co., Frankfort.	.200	None	None	
*7961		J. D. Bartlett, Lafayette.	.250	Present	Present	

*Labeled "Compound."

EXTRACT VANILLA—ILLEGAL.

Lab. No.	Manufacturer or Dealer.	Vanillin.	Coumarin.	Caramel.	Remarks.
7226	McCoy Drug Co., French Lick.	.27	.04%	Present	Adulterated.
8256	Indianapolis.	None	None	None	Below standard.
7612	Brown Extract Co., Indianapolis.	.4996	None	Present	Largely vanillin.
7184	A. G. Keheler, Danville.	.025	None	None	Below standard.
8094	J. C. Stark, Evansville.	.240	None	None	Artificial color.

MISCELLANEOUS EXTRACTS—LEGAL.

Lab. No.	Brand.	Manufacturer or Dealer.	Per Cent.
8932	Extract Orange	E. C. Harley Co., Dayton, O.	5.55
8093	Extract Banana	Gro. Chemical Works, Evansville	
8643	Orange Flavor	McCullough Drug Co., Lawrenceburg.	
8644	Strawberry Flavor	McCullough Drug Co., Lawrenceburg	

ICE CREAM—ILLEGAL.

Lab. No.	Retailer or Manufacturer.	Fat Per Cent.
8778	Greek Candy Kitchen, Terre Haute.	4.0
8962	Buntin Drug Co., Terre Haute.	4.4
8783	Furnas Ice Cream Co., Terre Haute.	6.8
8964	Pear Ice Cream Co., Terre Haute.	3.6
8781	Vigo Commission Co., Terre Haute.	4.4
8779	Yeager & Rigney, Terre Haute.	5.0
8365	Hilderbrand & Ansley, Marion.	7.6

indisposition on the part of the manufacturers to abide by standards adopted at their own request.

ICE CREAM—ILLEGAL—Continued.

Lab. No.	Retailer or Manufacturer.	Fat Per Cent.
8366	Hildebrand & Ansley, Marion	8.6
8363	Marion Ice Cream Co., Marion	8.4
9123	Guy Neal, Salem	7.6
8815	Greek Candy Co., Columbus	6.6
9160	Wm. E. Exmyer, Peru	7.4
9258	J. D. Sniders, Marion	6.2
9263	A. J. Paxson, Marion	7.6
9322	..... Marion	7.6
9642	O. Elliott, Connersville	7.0
9786	E. Pfoedor, South Bend	*14.0
9820	James Tarafonetes, Brazil	6.0
9821	Marric Jones, Brazil	5.6
9823	Joseph Spagnardi	6.6
7865	Nobb Morelli, Hammond	4.8
8937	W. Morelli & Co., Hammond	3.8
8964	N. Broelos, Hammond	6.2
9280	Marion Ice Cream Co.	4.6
10315	Martin Johnson, Clay City	4.4
10336	Boomer & Son, Vincennes	6.6
9387	A. C. Stelle, New Albany	†10.8

*Colored pink with coal tar color.
†Sample contained starch.

LARD.

But 28 of the 91 lard samples examined were adulterated with beef fat or cottonseed oil. This is a great improvement over earlier reports and indicates a desire on the part of the trade to make goods that comply with the law.

LARD—ILLEGAL.

Lab. No.	Dealer.	Butyro Reading @40°.	Halphen Test for Cottonseed Oil.	Beef Fat.
7850	John Lesniak, East Chicago	56.1	40 Per. Ct	Present.
7853	W. R. Diamond, East Chicago	51.1	Negative.	Present.
7854	Steenbergen, Indiana Harbor	50.0	Negative.	Present.
7857	J. J. Koch, Indiana Harbor	51.3	Negative.	Present.
7882	G. L. Eisler, Indiana Harbor	51.7	Negative.	Present.
7860	Welley & Banett, Indiana Harbor	50.9	Negative.	Present.
7899	Max Noach, Hammond	50.4	Negative.	Present.
10298	Kepler, Rochester	53.8	40%	Present.
10078	R. A. Ebert, Michigan City	48.3	Negative.	Present.
8207	T. C. Scott, Indianapolis	51.4	30%	Present.
9275	Elmer Greivston, Marion	49.5	Negative.	Present.
9282	A. F. Nolte, Marion	49.7	Negative.	Present.
8589	William W. Snoeberger, Delphi	49.6	Negative.	Present.
8412	Howard E. Hauser, Crawfordsville	49.4	Negative.	Present.
8870	H. M. Fisher, Franklin	50.9	Negative.	Present.
7395	F. P. Jagers, Indianapolis	49.0	Negative.	Present.
8243	W. A. Huffine, & Son Kirklint	50.0	Negative.	Present.
8139	Smith Brothers, Zionsville	50.2	Negative.	Present.
9398	Bonj, Jackson, New Albany	50.3	Negative.	Present.
9396	John Stull, New Albany	49.63	Negative.	Present.
9293	Miss Katie Dean, New Albany	50.0	Negative.	Present.
9638	W. C. Blum, Connersville	.....	15%	Present.
8282	Sinkey & Gilkey, Crawfordsville	48.7	Negative.	Present.
8333	Phillip Fink & Son, Crawfordsville	48.7	Negative.	Present.
8288	P. E. Weil & Co., Crawfordsville	48.8	Negative.	Present.
8607	Coleman, Reeves & Coleman, Covington	50.5	Negative.	Present.
8548	Lauman & Rock, Attica	49.7	Negative.	Present.
8347	H. W. Nowlin, Attica	49.6	Negative.	Present.

MAPLE PRODUCTS.

MAPLE SYRUP—LEGAL.

Lab. No.	Brand.	Manufacturer or Dealer.	Ash.	Alkalinity of Ash.	Polarization.		Per Cent. Sucrose.
					Direct.	Invert.	
9167	Monarch	Reid Murdock Co., Chicago	.672	.92	- 60.2	-19.8	60.0
10192	P. N. Hornaday, N. Manchester	.57	1.36	- 40.8	-19.6	37.77

MAPLE SYRUP—ILLEGAL.

9238	Williams Bros., Detroit	0.15	.22	+ 45.0	-21.6	35.92
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MAPLE SUGAR—LEGAL.

Lab. No.	Brand.	Manufacturer or Dealer.	Ash.	Alkalinity of Ash.	Polarization.		Per Cent. Sucrose.
					Direct.	Invert.	
8588	Yantis Wills, Delphi	.60	.60	+ 79.6	-24.	76.22

MAPLE SUGAR—ILLEGAL.

9733	Sap	H. E. Dutton, Sullivan	.22	.36	+ 69.2	-20.8	46.75
7008	.....	Glick & Shane, Indianapolis	.144	.94	+ 101.2	-10.0	84.2
7234	.....	Daniel L. Buser, Indianapolis	.11	.12	+ 101.0	-11.8	84.18

MEAT PRODUCTS.

But few meat products are now adulterated. Sodium sulfite is still occasionally used in hamburger steak, but the trade in general realizes the futility of employing preservatives in violation of the law and is now selling pure meats.

BACON—LEGAL.

Lab. No.	Retailer.	Remarks.
9805	John Wesolowski, South Bend	
9806	T. Taberski, South Bend	
10316	C. A. Kilmier, Rochester	

BOLOGNA—LEGAL.

9146	S. W. Smith, Peru	
9807	T. Taberski, South Bend	
9834	Walt Montgomery, Delphi	
10000	W. R. Crowder, Plymouth	

HAM—LEGAL.

9142	Muntz & Nellens, Peru	
9770	Rohrer, South Bend	
9792	E. H. Quillen, South Bend	
10166	W. J. Whyte, Anderson	
10177	Zwickel, Anderson	
10299	Kepler, Rochester	
10624	C. H. Long	
10671	Fraser & Co., Monticello	
10681	Zink & Christy, Monticello	
10698	Watkins & Son, Monticello	

HAMBURGER—LEGAL.

9061	H. Stump & Son, Washington	
9771	Rohrer, South Bend	
10039	J. Meyers, Cambridge City	
10382	Hoffer Bro., Muncie	
10385	Charles Bromm, Evansville	
10391	Yokel & Son, Evansville	
10441	H. Gaswiler, Albany	
10449	J. W. Webster, Dunkirk	
10577	Batchelor & May, Tipton	
10580	Moore & Surface, Tipton	
10585	J. P. Birley, Kokomo	

HAMBURGER—ILLEGAL.

8175	Fred Alderdorf, Elwood	Sodium Sulfite present.
8066	Jacob Foltz Jr., Evansville	Sodium Sulfite present.
8084	Ed. Waldsmith, Evansville	Sodium Sulfite present.
7690	F. Kunzmann, Hammond	Sodium Sulfite present.
7698	Charles Berendt, Hammond	Sodium Sulfite present.
10583	Walter Errington, Kokomo	Borax present.

SAUSAGE—ILLEGAL.

Lab. No.	Retailer.	Borax.	Sodium Sulfito.
7786	Gut Weil, Evansville.	Absent.	.0178% present
8531	B. H. Keller, Elwood.	Present.	
10240	Wm. Dockter, Gas City.		.0363% present.
8451	Carl Stata, Mt. Vernon.	Present.	
7507	Ed. Goebel & Co., Muncie.		.0403% present.
8786	George Sheidel, Terra Haute.	Present.	
8525	Bateheler & May, Tipton.	Present.	
8521	Bunch & Bunch, Tipton.	Present.	
10165	Moore & Surface, Tipton.	Present.	
10165	B. B. Brown, Anderson.	Absent.	.0337% present.
10166	Court House Grocery, Indianapolis.	Absent.	Mislabeled.
10568	M. J. Keller, Decatur.	Absent.	.0151% present.
10419	T. J. Sloan, Indianapolis.	Absent.	Mislabeled.
10589	Dameynois Schmitts, Decatur.	Absent.	.0141% present.
10671	Simon J. Hain, Decatur.	Absent.	.0201% present.

WEINERWURST—LEGAL.

Lab. No.	Retailer.	Remarks.
9986	C. Oscar Tribby, Plymouth.	
10326	Horace G. Hays, Vincennes.	
10327	Charles Odnal, Vincennes.	

WEINERWURST—ILLEGAL.

Lab. No.	Retailer.	Remarks.
9808	John Wesolowski, South Bend.	Borax present.

MISCELLANEOUS MEATS—LEGAL.

Lab. No.	Article.	Manufacturer or Retailer.	Remarks.
8311	Sausage filler.	Heller & Co. Chicago.	
10088	Corn beef.	W. J. Shaffering, Michigan City.	
10308	Head cheese.	Charles Taylor, Rochester.	

OLIVE OIL.

But 2 of the 52 olive oils analyzed were adulterated. This is a marked improvement in the quality of this article and represents a drop in the percentage of adulteration from 30% in 1906 to 3.8% at the present time.

OLIVE OIL—LEGAL.

Lab. No.	Manufacturer or Retailer.	Halphen Test for Cottonseed Oil.	Butyro Reading @ 20°C.	Specific Gravity.
8273	Fred R. Widmer, Dayton.	Negative.	65.0	.900
8410	J. Turlochi & Co., Muncie.	Negative.	64.3	.914
8433	C. W. Albersmeyer, Ft. Wayne.	Negative.	63.7	.912
8434	H. J. Bauer, Ft. Wayne.	Negative.	64.6	.911
8438	Jordan & Sherrard, Ft. Wayne.	Negative.	64.3	.913
8501	Red Cross Pharmacy, Logansport.	Negative.	62.9	.908
8506	Homer Chosson, Logansport.	Negative.	64.4	.909
8573	May Ritter, Thornstown.	Negative.	64.2	
8738	Hugh Smith, Logansport.	Negative.	64.3	.906
8766	David P. Cox, Terra Haute.	Negative.	64.85	.906
8769	City Hall Pharmacy, Terra Haute.	Negative.	64.25	.909
8770	New Central Pharmacy, Terra Haute.	Negative.	64.35	.908
8771	Buntin Drug Co., Terra Haute.	Negative.	64.05	.908
8772	George W. J. Hoffman, Terra Haute.	Negative.	64.35	.909
8775	George Reiss, Terra Haute.	Negative.	64.25	.906
8789	Conrad J. Herbert, Terra Haute.	Negative.	67.85	.913
8795	N. Rittson, Terra Haute.	Negative.	65.05	.910
8961	Carl Kretzenstein, Terra Haute.	Negative.	63.75	.912
9307	J. J. Lacey & Son, Jasperville.	Negative.	64.5	.913
9634	Green Bros., Connersville.	Negative.	64.9	.913
9689	E. W. Swadley, Wabash.	Negative.	64.4	.912
9698	E. Gackweheimer, Wabash.	Negative.	64.6	.913
9708	E. Bockman, Wabash.	Negative.	64.6	.912
9714	Bredley Bros., Wabash.	Negative.	65.0	.912
9732	E. E. Muller, Sullivan.	Negative.	64.7	.913

OLIVE OIL—LEGAL.—Continued.

Lab. No.	Manufacturer or Retailer.	Halphen Test for Cottonseed Oil.	Butyro Reading @ 20°C.	Specific Gravity.
9735	Ruddell Bros., Sullivan.	Negative.	64.8	.914
9836	Red Cross Drug Co., Tipton.	Negative.	64.9	.913
9840	Chickasaw Pharmacy, Peru.	Negative.	64.8	.913
9848	A. C. Pilkenton, Greenfield.	Negative.	65.1	.912
9872	M. C. Quigley, Greenfield.	Negative.	65.0	.913
9878	W. S. Pugh, Greenfield.	Negative.	65.1	.912
10308	Theodore E. Otto, Columbus.	Negative.	64.3	.9124
9906	A. C. Fouché Knightstown.	Negative.	64.2	.9120
9908	Paul D. Brown, Knightstown.	Negative.	64.9	.9124
9914	N. Reeves, Knightstown.	Negative.	64.2	.9120
10014	Beam & Lynn, Newcastle.	Negative.	64.4	.9132
10026	L. E. Kinsey & Co., Newcastle.	Negative.	64.3	.9127
10047	G. E. Calloway, Cambridge City.	Negative.	64.2	.9127
10236	I. L. Klingensmith, Gas City.	Negative.	64.5	.9137
10241	Rothinghouse Bros., Gas City.	Negative.	64.5	.9132
10243	Rothinghouse Bros., Jonesboro.	Negative.	64.0	.9127
10252	T. M. Smith, Upland.	Negative.	64.2	.9132
10256	Copwell & Son, Van Buren.	Negative.	64.5	.9148
10261	Fred Drake, Van Buren.	Negative.	64.3	.9138
10266	W. G. Sims, Swayzee.	Negative.	63.9	.9137
10267	Lawabe Drug Store, Swayzee.	Negative.	64.1	.9144
10273	P. R. McLeod, Summitville.	Negative.	64.4	.9143
10359	D. P. Campbell & Bro., Muncie.	Negative.	64.5	.9145
10400	D. Montani & Co., Indianapolis.	Negative.	64.1	
10560	The Peoples Drug Store, Lewisville.	Negative.	64.8	.9124

OLIVE OIL—ILLEGAL.

Lab. No.	Manufacturer or Retailer.	Halphen Test for Cottonseed Oil.	Butyro Reading @ 20°C.	Specific Gravity.
7190	Fred Schroeder, Evansville.	Present.	66.9	.914
7950	Cornelius T. Hurley, Lafayette.	Present.	68.2	

SPICES.

But few impure spices are on the market at the present time. It is probable that the few impure goods now sold are left overs from the time when pure goods were a rarity and adulterated spices filled the grocers' bins.

Compound spices can not be sold in this State. The materials used in such goods have none of the attributes of spices, but are merely make-weights or fillers.

ALLSPICE—LEGAL.

Lab. No.	Manufacturer or Retailer.	Remarks.
8294	Bierhaus & Sons, Vincennes.	
8303	Bierhaus Bros., Vincennes.	
8843	James H. Clark, Columbus.	
8832	Will Weis, Columbus.	
8845	W. L. Patrick, Columbus.	
8892	H. N. Dunlap, Franklin.	
9042	W. E. Jeffrey, Washington.	
9128	Guy Neal, Salem.	
9136	Kelly & Allman, Peru.	
9147	B. W. Smith, Peru.	
9661	M. Wenger & Son, Connersville.	
9929	E. C. Harley Co., Dayton, O.	
10063	Sam. Hummer, Michigan City.	
10069	Fineke's Grocery, Michigan City.	
10070	Fineke's Grocery, Michigan City.	
10321	O. A. Welbitts, Michigan City.	
	R. S. Lowrey, Rochester.	

ALLSPICE—ILLEGAL.

Lab. No.	Manufacturer or Retailer.	Remarks.
7267	O. L. Means, Shelbyville.	Adulterated with ground coconut shells.
7730	Evansville Coffee Co., Evansville.	Ground olive stones present.
9035	R. A. Dunn, Stinesville.	Ground olive stones present.
9087	I. J. Rich, Washington.	Ground coconut shells present.
7279	J. A. Craig, Rushville.	Ground olive stones present.
7714	Friedhoff Bros., Whiting.	Ground olive stones present.
10303	L. E. Downie, Rochester.	Ground coconut shells present.

CAYENNE PEPPER—LEGAL.

Lab. No.	Manufacturer or Retailer.	Remarks.
8845	James H. Clark, Columbus.	
9081	I. J. Rich, Washington.	

CINNAMON—LEGAL.

Lab. No.	Manufacturer or Retailer.	Where Collected.	Remarks.
8026	Ulman, Dreyfus Co., Cincinnati.	Bedford.	
8054	Thompson, Taylor Co., Chicago.	Evansville.	
8129	O. L. Means, Shelbyville.	Shelbyville.	
8299	Thompson & Taylor Co., Chicago.	Vincennes.	
8305	S. & S. Coffee Co., St. Louis.	Vincennes.	
8331	E. W. Harris, Crawfordsville.	Crawfordsville.	
8647	Thompson-Taylor Co., Chicago.	Madison.	
8764	W. W. Kaufman, Terre Haute.	Terre Haute.	
8848	George I. Winans, Columbus.	Columbus.	
8856	Will Wetz, Columbus.	Columbus.	
8862	W. L. Patrick, Columbus.	Columbus.	
8894	H. N. Dunlap, Franklin.	Franklin.	
9038	R. A. Dunn, Stinesville.	Stinesville.	
9044	W. E. Jeffrey, Washington.	Washington.	
9082	I. J. Rich, Washington.	Washington.	
9126	Guy Neal, Salem.	Salem.	
9129	W. J. Hanger, Salem.	Salem.	
9292	Robertson Bros., Linton.	Linton.	
9293	Enoch Murphy, Linton.	Linton.	
9295	Maack Brown, Linton.	Linton.	
9350	Thomas W. Irwin, Cannelton.	Cannelton.	
9390	Brodbeck Bros., South Bend.	South Bend.	
9385	Ullman's, Cincinnati.	Plymouth.	
10310	F. Marsh, Rochester.	Rochester.	
10319	C. A. Kilmer, Rochester.	Rochester.	

CINNAMON—ILLEGAL.

8846	James H. Clark, Columbus.	Columbus.	Adult. with ground olive stones.
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CLOVES—LEGAL.

Lab. No.	Manufacturer or Retailer.	Where Collected.	Remarks.
8055	Thompson-Taylor Co., Chicago.	Evansville.	
8296	Thompson & Taylor Co., Chicago.	Vincennes.	
8306	S. & S. Coffee Co., St. Louis.	Vincennes.	
8842	Newsom & Son, Columbus.	Columbus.	
8844	James H. Clark, Columbus.	Columbus.	
8851	Will Wetz, Columbus.	Columbus.	
8864	W. L. Patrick, Columbus.	Columbus.	
8891	H. N. Dunlap, Franklin.	Franklin.	
9086	I. J. Rich, Washington.	Washington.	
9131	W. J. Hanger, Salem.	Salem.	
9229	L. M. Davis, Marengo.	Marengo.	

GINGER—LEGAL.

Lab. No.	Manufacturer or Retailer.	Where Collected.	Remarks.
8053	Thompson-Taylor Co., Chicago.	Evansville.	
8295	Thompson & Taylor Co., Chicago.	Evansville.	
8304	S. & S. Coffee Co., St. Louis.	Vincennes.	
8847	Jas. H. Clark, Columbus.	Columbus.	
8854	Will Wetz, Columbus.	Columbus.	
8861	W. L. Patrick, Columbus.	Columbus.	
9037	R. A. Dunn, Stinesville.	Stinesville.	
9042	Mrs. W. E. Jeffrey, Washington.	Washington.	
9083	I. J. Rich, Washington.	Washington.	
9127	Guy Neal, Salem.	Salem.	
9227	L. M. Davis, Marengo.	Marengo.	
9349	Thomas W. Irwin, Cannelton.	Cannelton.	

MUSTARD—LEGAL.

Lab. No.	Manufacturer or Retailer.	Where Collected.	Remarks.
8297	Thompson & Taylor, Chicago.	Vincennes.	
8355	Will Wetz, Columbus.	Columbus.	
8866	W. L. Patrick, Columbus.	Columbus.	
8892	H. N. Dunlap, Franklin.	Franklin.	
9039	R. A. Dunn, Stinesville.	Stinesville.	
9041	Louis Kaller, Washington.	Washington.	
9045	W. E. Jeffrey, Washington.	Washington.	
9084	I. J. Rich, Washington.	Washington.	
9213	Charles Conley Co., South Bend.	South Bend.	
9348	Thomas W. Irwin, Cannelton.	Cannelton.	

PEPPER—LEGAL.

Lab. No.	Manufacturer.	Where Collected.	Remarks.
8056	Thompson-Taylor Co., Chicago.	Evansville.	
8235	W. M. Griffin Co., Ft. Wayne.	Ft. Wayne.	
8298	Thompson & Taylor, Chicago.	Vincennes.	
8302	S. & S. Coffee Co., St. Louis.	Vincennes.	
8307	Thompson & Taylor Co.	Vincennes.	
8398	Sims & Ohl, Mulberry.	Mulberry.	
8686	Thompson-Taylor Co., Chicago.	Madison.	
8829	Frohman Bros., Columbus.	Columbus.	
8841	Newsom & Son, Columbus.	Columbus.	
8853	Will Wetz, Columbus.	Columbus.	
8863	W. B. Patrick.	Columbus.	
9012	A.H. Williams, Bloomfield.	Bloomfield.	
9036	R. A. Dunn, Stinesville.	Stinesville.	
9040	H. F. Vollman Gro. Co., Washington.	Washington.	
9085	I. J. Rich, Washington.	Washington.	
9125	Guy Neal, Salem.	Salem.	
9130	W. J. Hanger.	Salem.	
9133	Kelly & Ailman, Peru.	Peru.	
9138	McCaffery & Co., Peru.	Peru.	
9148	S. W. Smith.	Peru.	
9228	L. M. Davis, Marengo.	Marengo.	
9239	Eddy & Eddy, St. Louis.	Tall City.	
9303	Oliver Specker, Jasonville.	Jasonville.	
9347	Thomas W. Irwin, Cannelton.	Cannelton.	
9793	Charles Wagener, South Bend.	South Bend.	
9795	G. C. Muesel & Son, South Bend.	South Bend.	
9798	Brodbeck Bros., South Bend.	South Bend.	
9802	Salinger Bros., South Bend.	South Bend.	
9833	E. C. Harlay Co., Dayton, O.	Mt. Vernon.	
9884	Ullman's, Cincinnati, O.	Plymouth.	
9891	Ullman's, Cincinnati, O.	Plymouth.	
10302	L. E. Downie, Rochester.	Rochester.	
10309	F. Marsh, Rochester.	Rochester.	
10318	C. A. Kilmer, Rochester.	Rochester.	
10420	R. S. Lowery's, Rochester.	Rochester.	

PEPPER—ILLEGAL.

7248	W. H. Burget, Indianapolis.	Indianapolis.	Adult. with ground olive stones.
7160	O. C. Toner, Martinsville.	Martinsville.	Adult. with ground olive stones.
7384	Ed. Schaaf, Greentown.	Greentown.	Adult. with cayenne pepper.
8849	George I. Winans, Columbus.	Columbus.	Adult. with ground olive stones.
7672	W. G. Beiriger, Hammond.	Hammond.	Adult. with ground olive stones.

VINEGAR.

CIDER.

Cider vinegars are still frequently adulterated. Forty of the 60 samples analyzed were below standard. This high percentage is due in part to the continued sale of colored distilled vinegar as the fruit product and also to the apparent inability of the farmer or small manufacturer to make a standard article. Cider vinegars have frequently been nothing but cider and so diluted with water that years of fermentation and acetication would not bring the acid content up to the required 4%.

Pure, full strength cider vinegar can be readily made on the farm, but only when intelligent methods of manufacture are employed. It is not sufficient to store cider in the cellar for a year and then haul the sour product to the grocers. In view of the large number of poor vinegars made by farmers and the fact that the law does not excuse the grocer who unwittingly sells it, the trade should not handle vinegars unless the grain and solid contents are known to be up to the legal requirements.

CIDER VINEGAR—LEGAL.

Lab. No.	Manufacturer or Dealer.	Acidity as Acetic Acid.	Solids.	Ash.	Alkalinity of Ash.	Polarization.	Lead Acetate Precipitate.	Color.
10127	Smith & Riggs, Princeton.	4.11	2.122	.228	14.0	-1.4	Heavy	Normal.
10129	Sprague Warner & Co., Chicago.	4.07	1.794	.325	24.0	+0.0	Heavy	Normal.
9334	Sprague Warner & Co., Peru.	4.07	2.270	.347	27.0	-0.6	Heavy	Normal.
9389	Heinz & Co., Pittsburg.	5.13	2.450	.190	34.0	-4.0	Heavy	Normal.
9403	J. H. Brown, New Albany, Ind.	5.02	2.615	.420	42.0	+0.0	Heavy	Normal.
9405	W. P. Graves, New Albany, Ind.	4.96	2.380	.300	26.0	-2.6	Very heavy	Normal.
9406	William Henry, New Albany, Ind.	4.37	2.060	.185	24.0	+0.0	Heavy	Normal.
9624	Grocer's Supply Co., Indianapolis.	4.90	2.310	.292	28.0	-1.0	Heavy	Normal.
9629	S. C. Goff, Shelbyville.	5.19	2.140	.365	24.0	-4.0	Heavy	Normal.
9831	L. J. Place, Newport.	4.08	2.200	.340	24.0	-1.0	Heavy	Normal.
8376	L. J. Place, Mulberry.	4.08						
8377	L. J. Place, Mulberry.	4.32						
9333	L. J. Place, Ft. Wayne.	4.25						
10291	C. H. Brodenkamp, Evansville.	4.17	2.400	0.375	22.0	-4.	Heavy	Slight decolor.
10388	Jacob Rupp, Evansville.	4.65	2.615	0.389	32.	-2.4	Heavy	Normal.
10471	Monticello Cash Grocery Co., Monticello.	4.08	2.280	0.220	12.	-1.6	Heavy	Normal.
10524	Bloomington Pickle Co., Bloomington, Ill.	4.23	1.948	0.300	22.	-1.2	Heavy	Normal.
10575	J. H. Gentry, Arcadia.	4.42	2.700	0.225	16.0	+0.0	Heavy	Normal.

CIDER VINEGAR—ILLEGAL.

Lab. No.	Manufacturer or Dealer.	Acidity as Acetic Acid.	Solids.	Ash.	Alkalinity of Ash.	Polarization.	Lead Acetate Precipitate.	Color.
9357	....., New Carlisle.	2.47	2.400	.390	42.0	+0.0	Heavy	Normal.
9010	Chris. Stark Bottling Works, Terre Haute.	2.63	1.774	.385	32.0	-0.0	Normal	Normal.
9073	Chris. Stark Bottling Works, Ft. Wayne.	3.88	.284	.028	2.0	+4.0	None	Decolor.
9114	Hirsch Bros., Louisville.	3.53	2.013	.390	42.0	-3.6	Heavy	Natural.
9027	Price & Lucas, Louisville.	3.88	2.205	.325	34.0	-1.8	Heavy	Normal.
9826	Robinson Cider Vinegar Co., Benton Harbor, Mich.	3.48	2.190	.135	22.0	-1.8	Heavy	Normal.
9986	Robinson Cider Vinegar Co., Mooresville.	1.22	1.405	.200	12.0	-0.8	Heavy	Normal.
9967	Robinson Cider Vinegar Co., Mooresville.	2.27	1.420	.320	30.0	-1.4	Heavy	Normal.
9968	Robinson Cider Vinegar Co., Mooresville.	2.63	1.110	.235	18.0	+0.0	Heavy	Normal.
10056	Higgins & Co., Marion.	3.82	0.215	.038	6.0	+2.0	None	Caramel.
10094	Higgins & Co., Franklin.	2.60	0.975	.020	16.0	+1.	Very light	Normal.
10227	Higgins & Co., Laporte.	2.23	1.650	.215	24.0	+0.0	Very light	Normal.
9341	Higgins & Co., Columbia City.	3.81						
8375	Higgins & Co., Mulberry.	3.31						
9402	Wm. Stonecipher, New Albany.	1.98	2.315	.450	22.0		Very heavy	Normal.
9397	Benjamin Jackson, New Albany.	3.35	3.570	.460	46.0	+0.0	Very heavy	Normal.
9395	John Strull, New Albany.	5.10	0.265	.050	2.0	+1.2	None	Caramel.
9896	Goble Bros., Greenfield.	1.66	1.490	.290	30.	+0.0	Heavy	Normal.
7332	The Beecher Co., Tipton.	4.95	.391	.071	4.0	+0.0	None	Caramel.
8676	J. H. Eaken, Ft. Wayne.	4.81	1.350	.190	14.0	+0.0	Slight	Normal.
7231	J. A. Craig, Rushville.	4.55	.462	.196	6.0	+0.0	None	Caramel.
7278	Court House Grocery, Rushville.	3.35	.765	.056	4.0	+0.0	None	Caramel.
8879	Caleb M. Eaton, Franklin.	7.46	.373	.025	2.0	+4.0	None	Caramel.
8677	Red Cross Cider & Vinegar Co., St. Louis.	4.05	.485	.068	2.0	0.0	None	Slight decolor.
8674	Coverdale & Archer, Ft. Wayne.	4.75	1.035	.181	10.0	+1.2	Slight	Normal.
8670	White Fruit House, Ft. Wayne.	4.23	3.885	.362	32.0	+5.2	Normal	Normal.
8673	Horsman & Felger, Ft. Wayne.	5.32	1.350	.216	12.0	-4.0	Slight	Normal.
10432	St. Louis Vinegar Co., St. Louis.	4.41	0.107	0.010	4.0	+1.0	None	Caramel.
9007	Charles Hegerfeld, Ft. Wayne.	3.91	1.083	.168	12.0	+2.0	Very slight	Slight decolor.
9008	G. Hitzemann, Ft. Wayne.	4.46	.693	.115	5.0	+2.0	Very slight	Slight decolor.
10642	Spencer Mercantile Co., Spencer.	3.55	1.740	0.223	14.0	+0.0	Heavy	Normal.
10479	Schanewecker & Son, Clay City.	3.25	0.835	0.190	10.0	+0.0	Very slight	Caramel.
10290	Hick's Brothers, Evansville.	4.25	0.300	0.140	12.0	+1.0	None	Caramel.
10292	Joe. Harrington, Evansville.	1.18	2.385	0.320	22.0	+0.0	Heavy	Normal.
10389	Anna Weicht, Evansville.	9.60	0.295	0.050		+0.0	None	Caramel.
10540	Brooksmith & Son, Vincennes.	2.94	3.450	0.250	22.0	+0.0	Heavy	Normal.
10469	Brooksmith & Son, Indianapolis.	3.28	1.380	0.200	30.0	+0.0	Heavy	Normal.
10526	Brooksmith & Son, Greenfield.	2.53	1.460	0.245	26.0	-1.6	Heavy	Normal.
10465	Bloomington Pickle Co., Bloomington, Ill.	3.95	1.785	0.310	22.0		Heavy	Nearly colorless.

RESULTS OF ANALYSES OF FOOD SAMPLES.

Article Examined.	Legal.	Illegal.	Total.	Per Cent. of Adulteration.
Allspice.....	17	7	24	29.1
Bacon.....	3	0	3	0.0
Baking Powder.....	3	1	4	25.0
Beer.....	5	0	5	0.0
Black Pepper.....	35	5	40	12.5
Bologna.....	4	0	4	0.0
Butter.....	44	9	53	16.9
Carbonated drinks.....	8	1	9	11.1
Catsup.....	0	2	2	100.0
Cayenne Pepper.....	2	1	3	33.3
Cider.....	1	1	2	50.0
Cider Vinegar.....	20	40	60	66.7
Cinnamon.....	25	1	26	3.8
Cloves.....	11	0	11	0.0
Cream.....	15	11	26	42.3
Cream of Tartar.....	23	3	26	11.5
Corn.....	7	0	7	0.0
Ginger.....	12	0	12	0.0
Ham.....	10	0	10	0.0
Hamburger.....	6	11	17	64.7
Ice Cream.....	61	28	89	31.4
Lard.....	63	28	91	30.7
Lemon Extract.....	4	12	16	75.0
Maple Syrup.....	3	1	4	25.0
Maple Sugar.....	1	3	4	75.0
Milk.....	381	28	409	6.8
Miscellaneous extracts.....	4	0	4	0.0
Miscellaneous meats.....	3	0	3	0.0
Miscellaneous foods.....	11	0	11	0.0
Mustard.....	10	0	10	0.0
Olive Oil.....	50	2	52	3.8
Sausage.....	90	15	105	14.2
Vanilla Extract.....	50	5	55	9.0
Wienerwurst.....	3	1	4	25.0
Whisky.....	5	5	10	50.0
Total.....	990	221	1,211	18.4

DRUGS.

AQUA AMMONIA. (Aqua Ammoniae).

U. S. P. aqua ammonia contains 10% by weight of ammonia gas. But 6 of the 17 samples analyzed were up to the required strength and a number were not even one-half as strong as they should be. Ammonia water deteriorates on keeping and should be kept in a cool place, in glass stoppered bottles, and tested frequently. It must not be dispensed for medicinal purposes if it contains less than the required amount of gas.

AQUA AMMONIA—LEGAL.

Lab. No.	Retailer.	U. S. P. Strength.	Ammonia Gas.	Specific Gravity @ 25°C.
10025	L. E. Kinsey & Co New Castle.....	118.2	11.82	.9466
10043	F. E. Wils, Cambridge City.....	116.1	11.61	.9495
10388	D. P. Campbell & Bro., Muncie.....	118.0	11.8	.9495
10484	A. H. Fehring, Columbus.....	114.0	11.4	.9498
10504	H. M. Holmes, Columbus.....	115.0	11.5	.9500
10559	Mutz & Lynch, Edinburg.....	144.0	14.4	

AQUA AMMONIA—ILLEGAL.

9867	A. C. Pilkenton, Greenfield.....	48.8	4.88	.977
9873	M. C. Quizley, Greenfield.....	55.7	5.57	.973
10049	Dr. Johnson, Cambridge City.....	39.1	3.91	.9718
10258	Fred Drake, Van Buren.....	72.8	7.28	.9667
10499	T. J. Noblett, Columbus.....	57.4	5.74	.9728
9921	J. T. Butler, Knightstown.....	72.2	7.22	.9668
10254	T. M. Smith, Upland.....	52.2	5.22	.9753
10502	Houser & Updegraff, Columbus.....	24.3	2.43	.9873

BAY RUM.

All of the bay rum analyzed was of legal strength and no sample contained methyl alcohol.

BAY RUM—LEGAL.

Lab. No.	Retailer.	Specific Gravity @ 20°C.	Ethyl Alcohol by Volume @ 20°C.
7213	Duckworth Pharmacy, Indianapolis.....		44.35
7820	Hildebrand & Ansley, Marion.....		41.24
9063	W. L. Jackson, Washington.....	.9425	42.5
9076	H. J. Lindeman, Washington.....	.9353	47.0
9077	J. N. Jones, Washington.....	.9386	44.6
9089	B. Seal & Co., Loogootee.....	.9343	47.6
9091	G. A. Walker, Loogootee.....	.9218	53.8
9093	Smith's Pharmacy, Loogootee.....	.9530	36.5

BEE SWAX.

The character of beeswax and white wax, as the bleached beeswax is known, has improved greatly in the past few months. But one sample of adulterated beeswax has been found since the last report. The wholesale trade which has heretofore carelessly filled orders for beeswax with paraffin is now careful to send out pure waxes.

BEE SWAX—LEGAL.

Lab. No.	Retailer.	Butyro Reading @ 65°C.	Melting Point, Degrees C.	Per Cent. of Beeswax.
7797	Vickery Bros., Evansville.....	32.0		
9863	A. C. Pilkenton, Greenfield.....	32.1	62.5	100
9875	M. C. Quizley, Greenfield.....	29.7	63.5	100
9888	V. L. Early, Greenfield.....	31.2	63.5	100
10010	Beam & Lynn, New Castle.....	29.9	63.0	100
10018	C. F. Mowrer, New Castle.....	29.5	63.0	100

BEE SWAX—ILLEGAL.

*7616	Hildebrand & Ansley, Marion.....	23.2		54.0
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*Contained 46 per cent. paraffin.

BLACK ANTIMONY.

Every one of the five samples of black antimony analyzed was illegal, consisting almost entirely of charcoal. The preparation is used in veterinary practice and is at present jobbed as "horse medly." The retail trade is slow, however, in making use of the new designation and continue to sell the notoriously fraudulent black antimony.

BLACK ANTIMONY—ILLEGAL.

Lab. No.	Retailer.	Per Cent. Residue Insol. in HCL.	Remarks.
8140	Knox & Company, Zionsville.....	94.7	Almost entirely charcoal.
8247	S. L. Kutz & Son, Kirklint.....	96.0	Almost entirely charcoal.
7941	E. M. Schnaible, LaFayette.....	94.13	Adult. with charcoal.
7952	Hogan Drug Co., LaFayette.....	24.45	Adult. with charcoal.
7979	Fred Combs, Lebanon.....	55.63	Adult. with charcoal.

CASTOR OIL.

Of the 10 samples of castor oil analyzed, all were pure. The tabulated results show greatly improved condition.

CASTOR OIL—LEGAL.

Lab. No.	Retailer.	Specific Gravity.	Butyro @ 20°C.	Polarization @ 20°C.
9882	W. S. Pugh, Greenfield.....	.9570	79.8	12.8
9892	V. L. Early, Greenfield.....	.9570	80.4	12.7
9907	A. C. Fouché, Knightstown.....	.9580	80.3	12.6
9915	N. Reeves, Knightstown.....	.9575	80.5	12.7
9922	J. T. Butler, Knightstown.....	.9570	80.3	12.5
10008	William Penoe, New Castle.....	.9565	80.9	12.6
10027	L. E. Kinsey & Co., New Castle.....	.9570	80.4	12.6
10034	E. A. Smith, New Castle.....	.9565	80.5	12.6
10247	W. B. Teeter, Upland.....	.9575	80.0	12.7
10274	P. R. McLeod, Summitville.....	.9570	80.3	12.9

LIME WATER. (Liquor Calcis.)

Sixteen of the 28 samples of lime water analyzed were below standard and consequently illegal, this is equivalent to a percentage of adulteration of 57%. One year ago the percentage of adulteration was 45.1%. These figures indicate a more serious condition at the present time with the pure food and drug law in active operation, than before it went into effect. There is absolutely no excuse for this condition, and no druggist should escape the responsibility placed upon him by the law, when he prepares and dispenses a medicine of very little cost, which is to be used in treating infantile disorders, that does not conform to the strictest pharmacopoeial requirements. Many druggists are disposed to ignore or treat lightly the fact that they are dispensing an impure lime water. Others, realizing the seriousness of their

fault, have said that it was impossible to buy a lime that would make a standard water, and that the pharmacopoeial requirements were too stringent. In order to determine the truth of this assertion, 7 samples of lime purchased from the lime yards at the city of Indianapolis, were used in preparing lime water. The results are given in the table below.

LIME WATER.

Number	Variety of Lime.	Retailer.	Date of Purchase.	Date of Preparation.	C. C. N-10, H ₂ SO ₄ .	U. S. P. Per Cent.
1	Portland	A. B. Myer & Co.	8-15-07	9-26-07	18.1	95.2
2	Huntington	Aldac & Coonse	8-15-07	9-26-07	17.8	93.6
3	Huntington	Frank M. Deil	8-15-07	9-26-07	18.6	97.8
4	Bedford	Pierson Building Co.	8-15-07	9-26-07	22.4	118.1
5	Blue River and Mitchell (slaked)	Indianapolis Mortar Co.	8-15-07	9-26-07	21.7	114.2
6	Huntington	Wales Coal Co.	8-15-07	9-26-07	19.8	104.2
7	Huntington	Malott Coal Co.	8-15-07	9-26-07	19.9	104.7

LIME WATER—LEGAL.

Lab. No.	Retailer.	Per Cent. U. S. P. Strength.
9203	Charles Coonley & Co., South Bend.	115.5
9241	Aug. Schreiber & Son, Tell City.	108.3
9636	L. E. Green, Connersville.	112.6
9640	O. Elliott, Connersville.	105.2
9697	E. Gackenhaimer, Wabash.	104.2
9317	Simon Hart, Brazil.	106.3
10168	J. B. Wehrle, Anderson.	123.6
10169	J. A. Rust, Anderson.	120.0
10170	W. C. Roush, Anderson.	305.7
10171	E. T. Brickley, Anderson.	113.6
10173	George A. Cock, Anderson.	108.4

LIME WATER—ILLEGAL.

7303	A. G. Luken & Co., Richmond.	33.68
7371	A. E. Creelius, New Albany.	0.0
7540	J. R. Ergenbright, Indianapolis.	22.1
7603	Freel & Mason, Marion.	28.9
7611	C. H. Overman, Marion.	48.4
8158	B. T. Fisher, Indianapolis.	0.0
8439	Jordan & Sherrard, Ft. Wayne.	47.3
9683	R. E. Clark, Wabash.	27.3
9709	K. Beckman, Wabash.	45.7
10356	Shaw & Jackson, Muncie.	0.05

QUININE. (Quinina.)

All of the 7 samples of quinine examined were pure.

QUININE—LEGAL.

Lab. No.	Retailer.
9885	W. S. Early, Greenfield.
9862	A. C. Pilkenton, Greenfield.
9894	W. S. Pugh, Greenfield.
9612	N. Reeves, Knightstown.
10005	William M. Pence, New Castle.
10017	G. F. Mowrer, New Castle.
10022	L. E. Kinsey, New Castle.

PPT. SULPHUR—LEGAL.

Lab. No.	Retailer.	Sulphur.	Remarks.
9713	K Brockman, Wabash.	99.90	

PPT. SULPHUR—ILLEGAL.

8461	Brockman, Evansville.	50.96	Calcium Sulphate present.
9215	Brockman, South Bend.	51.76	"
8440	Jordan & Sherrard, Ft. Wayne.	51.3	"
9704	E. Gackenhaimer, Wabash.	50.60	"
9723	Bradley Bros., Wabash.	51.28	"
9692	E. W. Swadley, Wabash.	51.65	"
9925	A. C. Fouché, Knightstown.	53.27	"
9918	J. T. Butler, Knightstown.	50.55	"
9910	P. D. Brown, Knightstown.	58.85	"

TINCTURE OF ARNICA. (Tinctura Arnicae.)

All of the 13 samples of this tincture conformed to U. S. P. requirements. The solid content varied from 1.41 to 4.02 grams per 100 C. C. and the alcohol content from 24.7 to 48.2% by volume.

TINCTURE OF ARNICA—LEGAL.

Lab. No.	Retailer.	Alcohol by Volume.	Solids Per 100 C. C.	Specific Gravity @ 20° C.
10641	J. R. Layman, Spencer.	39.0	3.19	.9593
*7570	W. F. Peters, Seymour.	24.7	3.71	.9663
8430	J. J. Brink & Son, Ft. Wayne.	36.2	1.41	.....
8458	George W. Haynie, Evansville.	40.1	2.19	.....
9456	Charles Dawson, Mt. Vernon.	38.0	3.00	.....
8450	D. & H. Rosenbaum, Mt. Vernon.	34.2	3.68	.....
8660	Wm. H. Peters, Madison.	40.7	3.14	.9520
8711	John M. Dill, North Vernon.	36.6	3.25	.9535
8713	G. W. Bantz, North Vernon.	43.2	2.57	.9475
9237	G. S. Dusch, Tell City.	41.3	3.23	.9510
9655	R. E. Clark, Wabash.	.....	4.02	.9586
9690	E. W. Swadley, Wabash.	.....	3.80	.9509
9699	E. Gackenhaimer, Wabash.	.....	3.19	.9477
9706	White Drug Store, Wabash.	.....	3.23	.9489
9719	Bradley Bros., Wabash.	.....	3.50	.9572
7224	Sloan Drug Co., French Lick.	40.3	2.61	.9458
7457	M. F. Doherty, Jeffersonville.	43.6	3.77	.9520
7566	W. F. Meyer, Seymour.	46.2	1.49	.9425

*Very low in alcohol.

SPIRITS OF CAMPHOR. (Spiritus Camphorae.)

But 8 of the 58 samples of spiritus camphorae were up to standard. The camphor gum present was in one instance but 8.3% of what should have been used and in many cases less than half the amount required. Dilute alcohol is also frequently used. The high price of camphor gum is, no doubt, in part responsible for the inferior grade of camphor sold. There is a disposition on the part of some druggists to sell a dilute product in order to meet the competition of the grocery store dispenser of camphor water.

SPIRITS OF CAMPHOR—LEGAL.

Lab. No.	Retailer.	U. S. P. Strength in Camphor.	Alcohol by Volume.	Specific Gravity.
8707	C. F. Harper & Co., Madison.	100.8	84.1	.....
8828	T. E. Otto, Columbus.	100.0	81.6	.....
9194	W. H. Rogers, Madison.	108.3	85.3	.....
8236	C. S. Dusch, Tell City.	100.0	86.8	.....
9635	L. E. Green, Connersville.	100.8	85.3	.8315
9700	E. Gackenhaimer, Wabash.	112.3	86.8	.8312
10285	W. G. Sims, Swazee.	112.5	85.6	.8325
10272	P. R. McLeod, Summitville.	108.3	79.2	.8387

SPIRITS OF CAMPHOR—ILLEGAL.

9747	Reed & Batey, Sullivan.	32.5	43.2	.....
7062	A. G. Baldwin, Noblesville.	89.2	56.1	.....
7074	Alexander B. Gauld, Indianapolis.	79.2	68.16	.....
7087	Robert Navin, Indianapolis.	75.0	54.6	.....
7234	Julius Hoag, Indianapolis.	66.6	90.4	.....
7249	H. O. Atchinson, Indianapolis.	70.8	89.7	.....
7511	R. Walter, Lawrenceburg.	40.0	61.2	.9043
7625	C. W. Fitch, Lawrenceburg.	75.0	67.8	.8862
7574	C. W. Milhouse, Seymour.	79.1	89.2	.8283
7889	Thos. J. Penrod, Bloomington.	72.3	69.3	.8786
8664	W. H. Rogers, Madison.	69.1	68.8	.....
8712	G. W. Bantz, North Vernon.	51.6	46.0	.....
9216	C. W. Taulman, Corydon.	73.3	61.0	.....
9591	O. L. Bishop, Shelbyville.	72.5	83.6	.8418
9594	S. H. Hepstia, Shelbyville.	76.6	88.7	.....
9603	Stanley Jones, Shelbyville.	95.8	57.6	.8014
9639	O. Elliott, Connersville.	58.3	50.6	.8163
9653	L. Ashworth, Connersville.	62.5	57.6	.8077
9694	E. W. Swadley, Wabash.	67.5	66.1	.8306
9721	Bradley Bros., Wabash.	84.1	79.5	.8509
10278	Howard Bros., Summitville.	60.8	47.0	.8208
10250	Fred Drake, Van Buren.	72.5	64.1	.8377
10002	Shadel's Drug Store, Plymouth.	72.5	84.4	.8568
10033	Ed Smith, New Castle.	66.6	74.1	.....
9719	O. W. Stephenson, Orleans.	26.1	43.2	.....
10330	Charles Major, Dugger.	42.5	61.7	.8663
10004	J. W. Ricard, Plymouth.	38.3	70.3	.8672
10520	E. A. Stagna, Cary.	8.3	30.8	.8463

TINCTURE OF IODINE. (Tinctura Iodi.)

Of the 72 samples of tincture of iodine analyzed, 15 were up to standard and 57 were below standard. This is equivalent to a percentage of adulteration of 79.1%. This is almost as high a percentage as was found the year before the food and drug law went into effect. No reasonable explanation has ever been offered as to the cause of this low grade. The statement of druggists that a standard tincture is not readily prepared is not acceptable. Tincture of iodine prepared at this laboratory has never yet fallen below standard.

TINCTURE OF IODINE—LEGAL.

Lab. No.	Retailer.	Per Cent. U. S. P. Strength.
9240	Aug. Schreiber & Son, Tell City.....	100.0
9353	J. A. Sargent, Rockport.....	215.4
9335	T. C. Basye, Rockport.....	102.7
9682	R. E. Clark, Wabash.....	114.6
9712	K. Bockman, Wabash.....	105.5
9734	Joe K. Smock & Son, Sullivan.....	100.5
9830	Hardy Burns, Newport.....	212.1
9952	Tarleton & Tilford, Martinsville.....	114.4
9956	J. M. Carleton, Martinsville.....	101.6
9958	Roy Riggin, Martinsville.....	112.6
9960	D. W. Riggin, Martinsville.....	113.0
9993	The Peoples Drug Store, Plymouth.....	100.5
10046	G. E. Galloway, Cambridge City.....	101.2
10090	O. Klepfer, Michigan City.....	105.6
10242	Rothinghouse Bros., Gas City.....	102.3

TINCTURE OF IODINE—ILLEGAL.

7462	J. A. Graham, Jeffersonville.....	55.7
7733	Gottman Drug Co., Evansville.....	51.3
10325	P. M. Shore, Rochester.....	27.1
8200	Red Cross Pharmacy, Logansport.....	7.3
10453	A. H. Febring, Columbus.....	28.2
10408	R. J. Stillwell, Brownstown.....	55.0
10643	William Moss & Co. Spencer.....	37.7
10647	J. S. Harris Spencer.....	54.6
10622	Mary E. Weeks, Churubusco.....	48.4

WITCH HAZEL—LEGAL.

Lab. No.	Retailer.	Alcohol by Volume @ 20°C.	Specific Gravity.	Remarks.
7955	E. B. Merritt, Frankfort.....	12.63		
8906	C. H. Albermeyer, Ft. Wayne.....	13.4		
9693	E. W. Swadley, Wabash.....	13.49	.9805	
9701	E. Gackenhimer, Wabash.....	13.49	.9805	
9711	K. Bockman, Wabash.....	13.49	.9807	
9720	Bradley Bros., Wabash.....	14.39	.9790	

WITCH HAZEL—ILLEGAL.

8432	C. W. Albermeyer, Ft. Wayne.....	12.3		Formaldehyde present.
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RESULT OF ANALYSES OF DRUG SAMPLES.

Article Examined.	Legal.	Illegal.	Total.	Percentage of Adulteration.
Aqua Ammonia.....	6	11	17	64.6
Bay Rum.....	8	0	8	0.0
Beeswax.....	5	0	5	0.0
Black Antimony.....	0	5	5	100.0
Borax.....	0	0	0	0.0
Castor Oil.....	10	0	10	0.0
Cod Liver Oil.....	2	0	2	0.0
Essence of Jamaica Ginger.....	5	1	6	16.6
Essence of Peppermint.....	1	0	1	0.0
Glycerine.....	2	2	4	50.0
Luine Water.....	13	16	29	55.1
Linseed Oil.....	3	0	3	0.0
Oil of Cinnamon.....	2	0	2	0.0
Oil of Cloves.....	1	0	1	0.0
Oil of Lemon.....	4	0	4	0.0
Oil of Sweet Almond.....	1	0	1	0.0
Oil of Wintergreen.....	2	0	2	0.0
Quinine.....	7	0	7	0.0
Rochelle Salts.....	3	0	3	0.0
Sulphur.....	1	9	10	90.0
Sweet Spirits of Nitre.....	1	0	1	0.0
Tincture of Arnica.....	18	0	18	0.0
Spirits of Camphor.....	8	50	58	88.2
Tincture of Capsicum.....	20	54	74	72.0
Tincture of Ginger.....	3	0	3	0.0
Tincture of Iodine.....	15	57	72	79.1
Tincture of Iron.....	4	37	41	90.2
Tonics.....	2	0	2	0.0
Witch Hazel.....	6	1	7	14.4
Miscellaneous drugs.....	8	5	13	28.4
Totals.....	163	244	407	60.9

INSPECTORS' REPORT DURING THE MONTH OF NOVEMBER, 1907.

During the month of November 945 sanitary inspections were reported; 661 of these inspections were first inspection and 284 were second visits. The second inspections show a decided improvement in sanitary conditions. While but 3.47% of the places visited for the first time were in excellent condition, 4.57% of the places visited the second time were so listed; 30.71% of places were listed as good on the first visit and 53.8% on the second visit; 54.31% were listed as fair at the time of the first inspection, but the second inspection shows but 36.9% in this class, due to the fact that the places first classed as fair have so improved that they are now classed as good; 9.68% were poor on first inspection,

but 4.57% on the second inspection; 1.81% were bad and condemned on the first inspection, while the second round revealed no bad places. Of the 23 dairies visited 2 were in excellent condition, 3 were good, 11 fair, 7 were poor and none were classed as bad. Two hundred and two groceries were visited for the first time; 7 were excellent, 66 were good, 122 were fair, 7 poor and none were bad. Of the 152 meat markets and slaughter houses inspected, but 2 were excellent; 35 were in good condition, 84 in fair condition, 22 were poor and 9 were bad. The sanitary inspection of drug stores reveals no abnormal conditions. Of the 60 places visited, 3 were in excellent shape. This means that the

PROSECUTIONS BROUGHT UNDER THE NEW FOOD AND DRUG LAW DURING THE MONTH OF NOVEMBER, 1907.

COUNTY.	Lab.	Name and Address of Defendant.	Illegal Sale of	Information Filed.	Date of Trial.	Disposition of Case.	
						By the Court.	Final.
*Allen.....		Herman Strodel, Ft. Wayne.....	Meat.....	11-26-07	11-26-07	Settled, \$10 and costs.	
*Allen.....		Schwab, Ft. Wayne.....	Meat.....	11-26-07	11-26-07	Settled, \$10 and costs.	
Hancock.....	9876	M. C. Gugley, Greenfield.....	White Wax.....	10-31-07	11-7-07	Settled, \$10 and costs.	
Morgan.....		D. W. Rereish, Martinsville.....	Lemon Flavour.....	11-26-07	11-26-07	Settled, \$10 and costs.	
Owen.....		James R. Layman, Spencer.....	Extract Vanilla.....	11-23-07	11-22-07	Settled, \$10 and costs.	
Rush.....	7281	J. A. Craig, Rushville.....	Vinegar.....	4-22-07	11-14-07	Not guilty.	
Rush.....	7278	Court House Grocery, Rushville.....	Vinegar.....	4-22-07	11-14-07	Not guilty.	
Rush.....	7297	J. A. Craig, Rushville.....	Allspice.....	4-22-07	11-14-07	Not guilty.	
*White.....		Carr, Monticello.....	Milk.....	11-1-07	11-1-07	Settled, \$10 and costs.	

* Meat kept in unsanitary condition.
 † Contained dirt.

stores were well lighted, well ventilated, attractive in appearance; the stock was well displayed and properly labeled, prescription case was in order and back shop and basement neatly arranged. Forty-six drug stores were classed as good, 19 fair and only one poor. Seventy-two bake shops and candy shops were visited; 5 were in excellent condition, 17 good, 46 fair, 3 were poor and one was classed as bad. Of the 137 hotels and restaurants inspected, but 3 were in excellent condition, 33 in good shape, 75 fair, 24 were poor and 2 were bad. This list includes, however, many small lunch rooms which are usually poorly kept, and the figures reported do not express the conditions of the hotels. Very few hotels, however, meet all sanitary requirements. Special attention is being paid to the inspection of these places.

During the month 9 cases have been tried and in 6 of the cases a conviction of \$10.00 and costs was secured; in 3 of the cases which have been pending since last April, a verdict of not guilty was returned by the court.

REPORTS OF INSPECTORS.

ALBANY, DELAWARE COUNTY—

Eleven inspections were made. One dairy, 2 groceries, 1 bakery and 2 restaurants were found to be in a fair state of cleanliness. Of 2 drug stores, 1 was good and 1 was fair. Two meat markets were in fair shape and 1 slaughter house was condemned.

ALEXANDRIA, MADISON COUNTY—

Ten first and 12 second inspections were made. Two groceries, 2 meat markets, 1 fish house, 2 bakeries and 2 restaurants were found to be in fair condition. One bakery was in good condition. The meat markets and the hotels did not have their garbage removed daily. Four of the second inspections were good and 8 were found to be fair.

AMO, HENDRICKS COUNTY—

One grocery was found to be in fair condition, due to unclean back shop and unclean dried fruits. Seven bottles of syrup were condemned. Of the four second inspections made, 1 drug store, 1 restaurant and 1 meat market were in fair condition, and one meat market was in poor condition, the floor, back shop and refrigerator being unclean.

ARCADIA, HAMILTON COUNTY—

Of 8 first inspections made, 3 groceries were found to be in fair condition, 1 slaughter house was found to be in poor shape and on account of the unsanitary conditions, was condemned, 2 meat markets were in fair condition, 1 drug store was in good shape and 1 restaurant was fairly clean. Three second inspections were made, 1 drug store and 1 bakery were found to be in good shape, while 1 restaurant was fairly clean. Orders were given to keep meats and pies under cover.

ATLANTA, HAMILTON COUNTY—

Of 4 groceries visited, 1 was in good condition and 3 were fair. One slaughter house was in a bad condition and was condemned. One fish market and two meat markets were in fair shape. Of six second inspections made, 1 bakery, 1 restaurant and 2 groceries were found to be in fair condition. Orders were given to keep pies under cover and to remove garbage daily. Of two drug stores, 1 was in good shape and one was fairly clean.

BEDFORD, LAWRENCE COUNTY—

Twenty-four first and twenty-three second inspections were made. Of 11 groceries visited, 6 were in good shape and 5 were fairly clean; 63 cans of meat, 279 cans of baking powder, 9 bottles of catsup and 3 bottles of extract were condemned. Of 4 meat markets visited, 2 were in good condition and 2 were fairly clean. Of 2 drug stores visited, 1 was good and 1 was fair. Of 2 bakeries visited, 1 was good and 1 was rated fair on account of unclean walls and ceilings. Of 5 hotels and restaurants visited, 1 was in good shape, 1 was fair, 2 were poor and 1 was in bad condition. Orders were given to have the kitchen fixed within thirty days or the place would be condemned. Three were very unsanitary. Thirteen of the second inspections made were found to be in good shape, and 10 were found to be in fair condition. Fifteen cans of meat, 23 cans of molasses, 53 bottles of catsup, 209 cans of baking powder and 36 bottles of extract were condemned.

BERNE, ADAMS COUNTY—

One dairy was in fair shape. Three groceries, 2 meat markets and 1 slaughter house were in fair condition. Of 2 drug stores, 1 was in good condition and 1 was fair. One bake shop was fair. Orders were given to whitewash the walls and ceilings. Two restaurants were in fair shape. Orders were given to place all goods under cases.

BLOOMFIELD, GREENE COUNTY—

One first inspection and 4 second inspections were made. One meat market, on account of a foul refrigerator, unclean shelves, counters and back shop was found to be in poor shape. One drug

store was in good condition, one grocery was poor, 1 meat market was in poor shape; orders were given to clean up at once; 1 restaurant was in fair shape. The dining room was not well lighted and ventilated and the garbage was not removed daily.

CHESTERFIELD, MADISON COUNTY—

Two groceries were inspected and were found to be in fair condition.

CHURUBUSCO, WHITLEY COUNTY—

Twelve inspections were made. Five groceries and 2 meat markets were found to be in good shape. One drug store and 1 bakery and confectionery were in good condition. Of three hotels and restaurants, 2 were in good condition and 1 was fairly clean.

CICERO, HAMILTON COUNTY—

One dairy was found to be in fair shape. A new floor was ordered and the ceiling to be repaired. Two groceries were in fair condition. One meat market was in fair shape, while 2 slaughter houses were condemned, due to the unsanitary conditions. One restaurant was in good condition and 1 was fair. Five second inspections were made. Two groceries, 1 meat market, 1 drug store and 1 bakery were all found to be in fair shape. All goods were ordered to be covered up.

CLAY CITY, CLAY COUNTY—

Twelve inspections were made. Of 5 groceries visited, 1 was good and 4 were fair. One refrigerator was unclean and all five groceries were dirty. One meat market was in fair condition, due to uncleanliness. Of three drug stores inspected, 1 was in good shape and two were unclean and were rated fair. In one the glasses were not washed in running water and in the other the goods were not up to date. One bakery was in fair condition, being somewhat dirty. One hotel was in good condition and 1 restaurant was fairly clean. Orders were given to clean up back yard.

COAL CITY, CLAY COUNTY—

Three groceries and two meat markets were found to be in fair shape. Three dozen cans of vegetable soup and 6 bottles of extract were condemned. One drug store was in good condition. One hotel was in fair condition. Orders were given to paint and whitewash. One restaurant was in poor condition, not being clean.

COLUMBIA CITY, WHITLEY COUNTY—

Of 3 groceries inspected, the one owned by C. C. Glass was found to be in excellent shape; 2 others were in good condition. Two meat markets, 1 confectionery and 1 drug store were in good shape. F. L. Myers' restaurant was in excellent sanitary condition. Two second inspections were made, the drug store owned by George A. Pontias was found to be in excellent shape. One restaurant was in good condition.

COLUMBUS, BARTHOLOMEW COUNTY—

Seventeen first and 42 second inspections were made. The Columbus Co-operative Creamery Company was found to be in excellent condition. One dairy was visited and found to be in poor shape; orders were given to put down a cement floor and put the place in a sanitary condition within thirty days or the place will be condemned. Of 2 groceries, 1 was in good condition and 1 was fair. One meat market was rated poor, due to unclean refrigerator, floors, shelves and counters, etc. One drug store was in good shape. One bakery was fairly clean. Eleven hotels and restaurants were inspected, 3 were found to be in good condition, 4 were fair and 4 were poor, being unclean and having foul refrigerators. Of the second inspections made, 1 ice cream company was in good condition. Of 2 dairies visited, 1 was good and 1 was fair. Of 19 groceries, 12 were found to be in good condition, 6 were fair and 1 was poor, due to uncleanliness; 226 cans of meat, 82 bottles of catsup, 1,557 cans baking powder and 445 bottles of extracts were condemned. Of 9 meat markets and slaughter houses, 6 were in good condition and 3 were fair. Seven drug stores were in good condition. Of 5 bakeries and candy kitchens inspected, the confectionery owned by Jaharako Brothers was found to be in excellent shape; 4 were good and 1 was poor, being unclean. Orders were given to clean up at once.

COBY, CLAY COUNTY—

Two groceries and 1 meat market were found to be in fair condition. One drug store was in poor shape, the goods were not clean and up to date, the patents were not properly labeled and the proprietor and clerks were not clean and tidy. Two confectioneries were rated fair, not being in a clean condition.

DECATUR, ADAMS COUNTY—

Of 5 groceries visited, 1 was in good shape and 4 were fair. Of seven meat markets and slaughter houses inspected, 1 was good, 5 were fair, 1 was poor and was condemned. Three drug stores were found to be in good condition. Four bakeries were found

to be in fair condition. Four restaurants were inspected, and all were found to be in fair condition.

DENVER, MIAMI COUNTY—

Of four groceries visited, 2 were good and 2 were fair. One meat market, 1 drug store and 1 hotel were in good condition.

DUNKIRK, JAY COUNTY—

Of 5 groceries visited, that of A. F. Smith was found to be in excellent condition, 2 were good and 2 were fair. Three meat markets were found to be in fair shape. Of 5 drug stores inspected, 1 was good and 2 were fair. One bakery and 1 confectionery were found to be in fair condition. One fish house was in fair shape. Three restaurants were visited and all were found to be in a fair state of cleanliness. The kitchens were not well lighted and ventilated and the garbage was not removed daily.

EDINBURG, JOHNSON COUNTY—

Sixteen inspections were made. Of 5 groceries visited, that owned by Chapp Brothers was found to be in excellent shape, 4 were in good condition. Two meat markets were in good shape, 1 slaughter house was fair and 1 was good; 1 poultry house was in fair shape. One starch and refining company was found to be in good shape. Two drug stores, 1 hotel and 1 restaurant were found to be in good condition. One bakery was in good condition and 1 confectionery and fruit stand was rated fair. Twenty-seven cans of meat, 61 cans baking powder and 4 bottles of extract were condemned.

FORT WAYNE, ALLEN COUNTY—

Of 6 groceries inspected, that owned by Coverdale & Archer was found to be in excellent condition, 5 were in good shape. Of 6 meat markets and slaughter houses visited, that owned by Frank Stedel was found to be in excellent condition, 5 were in good shape. The confectionery owned by A. C. Anreutz was found to be in excellent condition, 1 was fair, the candies were ordered to be covered. Four second inspections were made. Two drug stores were found to be in good condition. One fish market was in good shape and 1 slaughter house was poor, being unsanitary.

FRENCH LICK, ORANGE COUNTY—

The French Lick Springs Hotel was found to be in excellent condition.

GENEVA, JAY COUNTY—

Thirteen inspections were made. Three groceries were found to be in a fair state of cleanliness. Of four meat markets and slaughter houses visited, 1 was good, 2 were fair and 1 was bad and was condemned. Two drug stores were in good shape. Two bakeries and two restaurants were found to be in fair condition. Orders were given to place goods under cases.

HAMMOND, LAKE COUNTY—

Thirteen inspections were made. Of six groceries inspected, the following were found to be in excellent condition: Kaufmann & Wolf and Johnson & Silagzi Company; 1 was in good condition and 3 were fair. One had a dirty back room and refrigerator. Of 4 meat markets and slaughter houses visited, Johnson, Silagzi & Co.'s meat market was found to be in excellent shape; 1 was good and 2 were fair. The drug store owned by Kauffmann & Wolfe was found to be in excellent shape. One bakery and one restaurant were in fair condition.

HARTFORD CITY, BLACKFORD COUNTY—

Two dairies were inspected and were found to be in a fair and poor condition. Orders were left to put in a new floor, whitewash and place premises in a sanitary condition. Of 6 groceries inspected, 5 were fair and 1 was poor, being unclean. Of ten meat markets and slaughter houses inspected, 1 was good, 7 were fair, 1 was poor, 1 was bad and was condemned. Six drug stores were found in good condition. Three restaurants and 1 confectionery were found to be in fair condition.

HOPE, BARTHOLOMEW COUNTY—

Eighteen inspections were made. Of 9 groceries visited, 5 were in good condition and 4 were fairly clean. Two meat markets were found to be in good shape and 2 slaughter houses were in a poor condition and were given ten days' notice to comply with the law and put their places in a sanitary condition. Two drug stores were visited; 1 was good and 1 was fair, due to the unclean prescription counter. One bakery and confectionery was in poor condition. Orders were given to clean up at once. Fifty cans of fruit, 41 bottles of extracts, 116 cans baking powder and 18 bottles of catsup were condemned.

INDIANAPOLIS, MARION COUNTY—

Forty-seven inspections were made. Of 8 groceries visited, 2 were in good condition, 5 were fair and 1 was poor, having an unclean refrigerator, shelves, counters and floor. Of 4 meat markets, 1 was good, 2 were fair and 1 was poor, being unclean. Of 7 bakeries and confectioneries, that of Robert Bentley was found

to be in excellent shape, 3 were good, 1 was fair and 2 were in poor condition, being unclean. All candies and pastry were ordered to be placed under cover. Twenty-eight hotels and restaurants were inspected, of which G. J. Gavin's restaurant was found to be in excellent shape, 10 were in good condition, 9 were fair and 8 were poor, 3 had unclean refrigerators, all 8 had unclean floors, walls and ceilings.

INGALLS, MADISON COUNTY—

Three groceries were found to be in fair shape. One meat market was fair and 1 slaughter house was in poor shape, being unsanitary. A new floor was ordered and the offal to be removed from the slaughter house. One drug store and two bakeries were found to be in fair condition. The walls of the bakeries were ordered to be plastered.

KOKOMO, HOWARD COUNTY—

Twenty-three first and 17 second inspections were made. Of 5 groceries inspected, 2 were in good condition and 3 were fair. One poultry house, 1 fish and oyster house, 1 meat market and 1 slaughter house were found to be in fair condition. One slaughter house was in good shape. Of 3 drug stores, 2 were in good shape and 1 was fairly clean. Of 5 bakeries and confectioneries 3 were good and 2 were fair. Four restaurants were in fair condition, the garbage was not removed daily and they were all somewhat dirty. Of the 17 second inspections, 8 were in good condition and 9 were fair.

LAFAYETTE, TIPPECANOE COUNTY—

The Purdue Farm Dairy and the Purdue Creamery were inspected and found to be in excellent sanitary condition.

LYONS, GREENE COUNTY—

Sixteen inspections were made. Of 6 groceries visited, 1 was in good shape and 5 were fair, being unclean. Of three meat markets visited, 2 were in fair condition and 1 was in poor shape, having an unclean refrigerator, floor and back shop. Orders were given to clean up. Of four drug stores inspected, three were good and 1 was fair, due to the dirty condition of the back shop, shelves and counters. The goods carried were not up to date. Of three restaurants visited, 1 was fair and two were in poor condition, due to uncleanness.

MARTINSVILLE, MORGAN COUNTY—

Twenty first and 16 second inspections were made. Of 4 dairies visited, 1 was in good shape, 2 were fairly clean and 1 was in poor condition, due to uncleanness. Two groceries were in fair and poor condition, being unclean. Ten dozen packages of goods were condemned. Of five meat markets and slaughter houses inspected, 2 were in good condition, 2 were poor and 1 was bad and was condemned. Of four bakeries and confectioneries, 2 were in good shape and 2 were fairly clean. Of five hotels and restaurants, the Colonial Hotel Company was found to be in excellent shape, 4 were in fair condition having unclean shelves, tables, sinks, etc. Of the second inspections made 7 were in good condition, 6 were fair and 3 were in poor shape.

MIDDLETOWN, HENRY COUNTY—

Thirteen inspections were made, two restaurants, 1 bakery, four groceries, 2 meat markets and 1 slaughter house were found to be in fair condition. One slaughter house was condemned, being very unsanitary. Of two drug stores visited, 1 was in good condition and 1 was fair.

MONROE, ADAMS COUNTY—

One creamery visited was found to be in good condition. One drug store was in good shape. Four groceries, 1 meat market and 1 restaurant were found to be in fair condition.

MONTICELLO, WHITE COUNTY—

One grocery and 1 meat market were inspected and were found to be in fair shape, due to unclean floors, shelves, counters and back shops.

MONTPELIER, BLACKFORD COUNTY—

Sixteen inspections were made. Of 5 groceries inspected, 1 was in good shape and 4 were fairly clean. Five meat markets and slaughter houses were found to be in fair condition. Two drug stores were in good shape. One bakery was fair. Of two restaurants, 1 was in good shape and 1 was fairly clean.

NOBLESVILLE, HAMILTON COUNTY—

Thirteen first and 14 second inspections were made. Of 3 groceries visited, 1 was good and 2 were fair. Of 5 meat markets and slaughter houses inspected, 2 were in good shape, 1 was fair and 2 were poor, 1 slaughter house was in a bad condition and 1 was condemned. Of 3 bakeries and confectioneries, 1 was good and 2 were fair, the light and ventilation were not satisfactory and the goods were not properly handled. Two restaurants were in fair condition, the garbage was not removed daily and the walls and ceilings in one restaurant were unclean. One

milk depot was found to be in fair condition. Of second inspections 12 were found to be in fair condition and 2 were in good shape.

ORESTES, MADISON COUNTY--

Four groceries, 1 fish market and 1 drug store were inspected and were found to be in a fair state of cleanliness. The fish market was not well lighted or ventilated and had an unclean back shop.

PAOLI, ORANGE COUNTY--

One dairy was in fair condition, improvements are under way which will put this dairy in good condition. One poultry house was in good shape. One slaughter house was in poor condition, the killing floor was not clean. Nineteen second inspections were made. Of 7 groceries inspected, L. H. Buskirk & Brother's grocery was found to be in excellent condition, 3 were in good shape and 2 were fair. Twenty-six cans of meat were condemned. Two meat markets and 1 poultry house were found to be in fair condition. One creamery was in good condition. Three drug stores were in good condition. Of five hotels and restaurants inspected, 4 were found to be in good shape and 1 was fair.

PENDLETON, MADISON COUNTY--

Five groceries were inspected, 3 were good and 2 were fair. One meat market and 1 fish market were in fair shape. One drug store was in good shape. Two candy shops were good and fair, 1 cellar was not clean and tidy. Of 3 restaurants inspected, 1 was in good condition and 2 were fair.

PERU, MIAMI COUNTY--

One hotel, 2 restaurants, 5 meat markets and 4 groceries were found to be in good condition. Fifty pounds of beef were condemned out of refrigerator.

PORTLAND, JAY COUNTY--

Thirty-seven inspections were made. Of 2 dairies visited, 1 was found to be in fair condition and 2 were in poor shape. New floors and ceilings were ordered. Seven groceries visited were in fair condition. Dried fruits, cakes, etc., were ordered to be placed under cover. Of 11 meat markets and slaughter houses inspected, 9 were fair and 2 slaughter houses were poor and were condemned. A separate room was ordered for hides and rendering. One slaughter house had a good cement floor, but the building was dilapidated. Of 5 drug stores inspected, 3 were good and 2 were fair. Three bakeries and 3 hotels and restaurants were found to be in a fair state of cleanliness.

REDKEY, JAY COUNTY--

Seventeen inspections were made. One dairy visited was found to be in fair condition, a new barn is being built. Six groceries were found to be in fair condition. One ceiling was ordered to be repaired. Of 4 meat markets and slaughter houses, 1 was fair, 2 were in poor condition and 1 was in bad shape. Two slaughter houses were condemned. One meat market did not have a clean back shop and 1 had a bad ceiling and orders were given to repair same. Of 2 drug stores inspected, 1 was in good shape and 1 was fair. One bakery, 1 confectionery and 2 restaurants were found to be in fair condition. Orders were given to clean refrigerator and fix the ceiling.

RUSHVILLE, RUSH COUNTY--

Eight first and 6 second inspections were made. Three groceries 1 meat market, 1 drug store, and two restaurants were found to be in good condition. The Greek Candy Store was found to be in good condition. Of the second inspections made four were found to be in good condition. The drug store owned by T. W. Lytle and the grocery owned by L. I. Allen were found to be in excellent condition.

SPENCER, OWEN COUNTY--

Thirty-one inspections were made. One creamery was in good condition, and 1 dairy was in fair condition. Notice was given to clean up premises, partition and use cooler. Ten groceries were inspected. Two were in good condition, four fair and four poor. Seven were unclean and three had foul refrigerators. Thirteen dozen cans of meats, syrups, etc., were condemned. Of five meat markets and slaughter houses inspected three were fair, 1 was poor and 1 was bad. Two had foul refrigerators and 5 were unclean. There were 3 drug stores inspected. The one owned by Wm. Moss & Co. was found to be in excellent shape. Two were fair. Notice was given to put their drug stores in a sanitary condition. Of five bakeries and confectioneries inspected, 1 was good, 3 were fair and 1 was bad. Notice was given to clean up bake shop and paint wood work. Six restaurants were inspected, 1 was good, 3 were fair, 1 was poor and 1 was bad. Five were unclean, 3 had foul refrigerators and 1 was not well lighted and well ventilated. One restaurant was ordered to be closed until made sanitary.

SULLIVAN, SULLIVAN COUNTY--

Nine first and sixteen second inspections were made. Of two groceries inspected 1 was good and 1 was fair. One meat market was in good condition. Notice was given to keep meats covered and in from front of store. The depot confectionery was found to be in excellent condition. Of five hotels and restaurants 3 were good and 2 were poor. Four were unclean and 1 had a foul refrigerator. Notice was given to paint and put things in a sanitary condition at once. Of the second inspections made 7 were good, 6 were fair and 3 were poor. Nine of the places inspected were unclean and 12 pounds of meat were condemned.

TERRE HAUTE, VIGO COUNTY--

The Oak Hall Pharmacy was inspected and found to be in excellent condition.

TIPTON, TIPTON COUNTY--

Eleven first and sixteen second inspections were made. Of 4 groceries inspected 1 was good and 3 were fair. Two drug stores were found in good condition. Of the 3 bakeries and candy shops, 1 was found unclean. Two restaurants were inspected in fair condition. Pies and meats were ordered to be kept under cases. Of the second inspections made 6 were good and 10 were fair.

VINCENNES, KNOX COUNTY--

Forty first inspections and 39 second inspections were made. Of the 5 dairies inspected 2 were found good, 1 fair and 2 poor. The grocery of Lawrence D. Bey was found to be in excellent condition. Seven meat markets were in good condition, and seven fair. Seven meat markets were inspected, 2 being good and one in fair condition. The confectionery of Cassell & Son was inspected and found to be in excellent condition. Of the other 2 inspected 1 was good and 1 fair. Five lunch cars and restaurants were inspected, 1 being fair and 4 poor. One creamery was inspected and found in good condition. One hundred and thirty boxes of baking powder, 174 cans meats, 40 bottles extract and 16 bottles catsup were condemned. Of the second inspections the following groceries were in excellent condition: Hall Bros., Bratton & Racy and John Hoffman. Of the 5 meat markets inspected 4 were good and 1 was fair. The drug store owned by Moore & Miller was in excellent condition. Four drug stores were found good and 2 in fair condition. Of the bakeries and candy shops inspected 2 were found good and 2 fair. Of the 7 hotels and restaurants inspected 4 were found good and 3 fair. One bottling works was found to be in good condition. Eighty-five cans of meat, 258 cans of baking powder, 204 bottles extract, 18 bottles catsup, 16 bottles of cream were condemned.

WASHINGTON, DAVIESS COUNTY--

One grocery was inspected and found to be in good condition. One bakery was inspected and found to be in good condition. One restaurant was inspected and found to be in fair condition, being poorly lighted and unclean. Of the second inspections the following groceries were found excellent: H. F. Vollmer, John Daily, the Cabal-Kaufman Mercantile Co., and Neal & Erksline. The confectionery owned by Charles Jones was found to be in excellent condition. Of twenty-eight inspections, 20 were reported good, and 4 fair. Twenty-nine cans baking powder and seventy-seven cans meat were condemned.

WEST BADEN, ORANGE COUNTY--

Three second inspections were made, 2 drug stores and 1 hotel, each found good.

WORTHINGTON GREENE COUNTY--

One grocery was inspected and found to be in good condition. One restaurant was inspected and found to be in poor condition, being poorly lighted, not ventilated and unclean. Two second inspections were made, one being good and 1 poor.

SUMMARY OF INSPECTIONS FOR THE MONTH OF NOVEMBER, 1907.

Inspections.	Inspections.					
	Number Inspected.	Number Excellent.	Number Good.	Number Fair.	Number Poor.	Number Bad.
Dairies.....	23	2	3	11	7	0
Groceries.....	202	7	66	122	7	0
Meat Markets and Slaughter Houses.....	152	2	35	84	23	9
Drug Stores.....	69	3	46	19	1	0
Bakeries and Candy Shops.....	72	5	17	46	3	1
Hotels and Restaurants.....	137	3	33	75	24	2
Creameries.....	4	1	3	0	0	0
Milk Depot.....	1	0	0	1	0	0
Starch and Refining Co.....	1	0	0	1	0	0
Number of first inspections.....	661	23	263	359	64	12
Number of second inspections.....	284	13	153	105	13	0
Total No. of inspections.....	945	36	356	464	77	12

CHART SHOWING GEOGRAPHICAL DISTRIBUTION OF DEATHS FROM CERTAIN COMMUNICABLE DISEASES FOR DECEMBER, 1907.

NORTHERN SANITARY SECTION.

Total population	899,960
Total deaths	851
Death rate per 1,000	11.5
Consumption, rate per 100,000	97.6
Typhoid, rate per 100,000	26.7
Diphtheria, rate per 100,000	13.5
Scarlet fever, rate per 100,000	4.0
Diarrheal diseases, rate per 100,000	20.3

CENTRAL SANITARY SECTION.

Total population	1,118,576
Total deaths	1,054
Death rate per 1,000	11.4
Consumption, rate per 100,000	122.1
Typhoid, rate per 100,000	17.4
Diphtheria, rate per 100,000	13.0
Scarlet fever, rate per 100,000	2.1
Diarrheal diseases, rate per 100,000	15.2

SOUTHERN SANITARY SECTION.

Total population	675,649
Total deaths	638
Death rate per 1,000	11.6
Consumption, rate per 100,000	126.3
Typhoid, rate per 100,000	74.0
Diphtheria, rate per 100,000	19.8
Scarlet fever, rate per 100,000	3.6
Diarrheal diseases, rate per 100,000	25.2

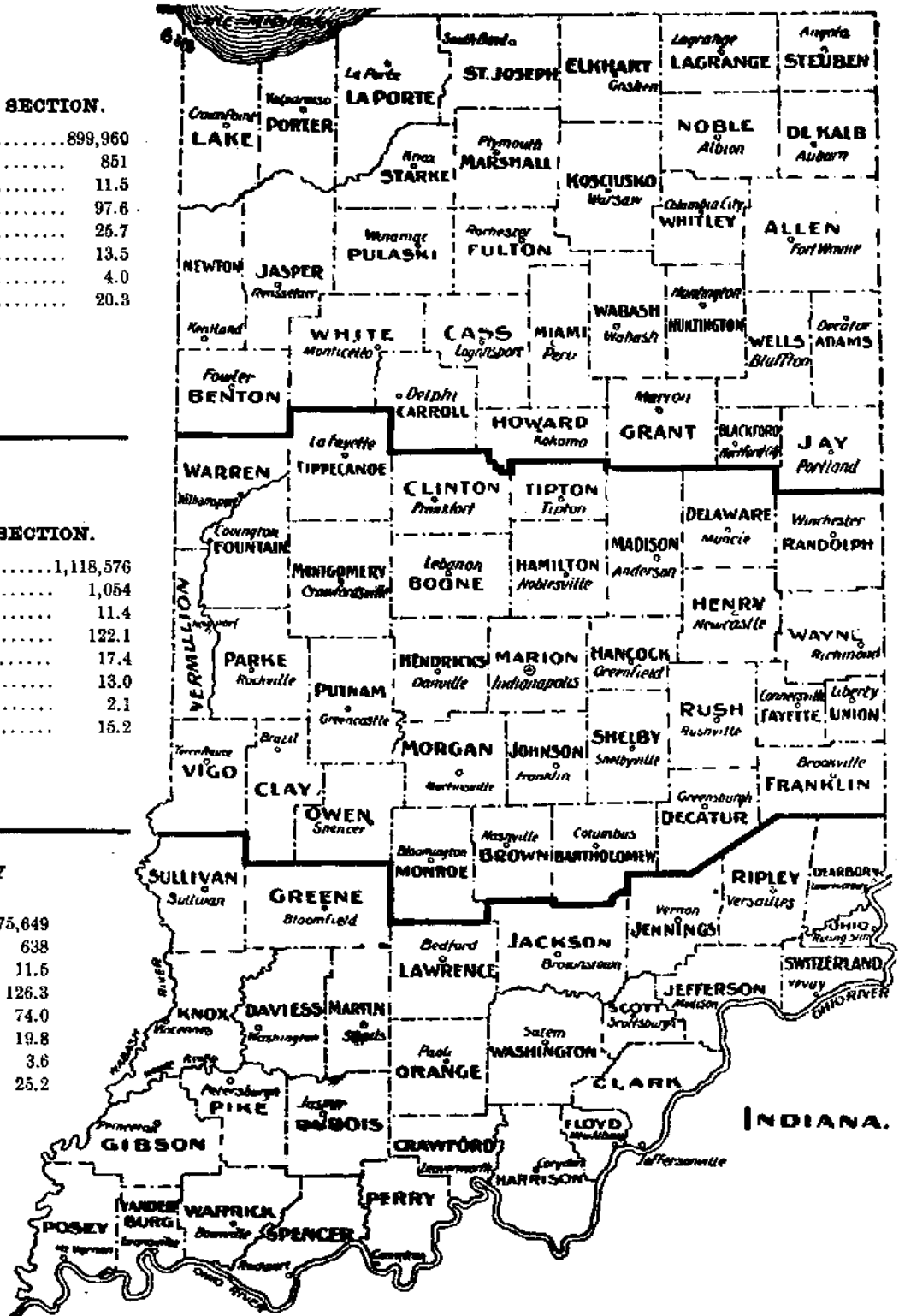


TABLE No. 1. Deaths in Indiana by Counties During the Month of November, 1907.

STATE AND COUNTIES.	Population Estimated According to U. S. Census Bureau.	Total Deaths Reported for November, 1907.	Annual Death Rate per 1,000 Population.	Stillbirths.	IMPORTANT AGES.							DEATHS FROM IMPORTANT CAUSES.															
					Under 1 Year.	1 to 4, inclusive.	5 to 9, inclusive.	10 to 14, inclusive.	15 to 19, inclusive.	65 Years and over.	Pulmonary Consumption.	Other Forms of Tuberculosis.	Typhoid Fever.	Diphtheria.	Croup.	Scarlet Fever.	Measles.	Whooping-Cough.	Pneumonia.	Diarrheal Diseases, under 5.	Cerebro-spinal Meningitis.	Influenza.	Peritonal Septicemia.	Cancer.	Violence.	Smallpox.	Deaths in Institutions.
State of Indiana.	4,694,185	2,543	11.5	164	315	115	62	48	64	777	254	38	76	83	3	7	3	3	245	43	9	13	9	121	176	188	
Northern Co's	899,960	851	11.5	58	113	30	15	8	23	281	72	10	19	10	3	1	1	69	15	2	4	3	46	72	55		
Adams	23,052	20	10.5	1	6					5	1		2					2					3	2		20	
Allen	83,446	75	10.9	1	12	3	3	3	2	22	1		4					6		1		1	3	2			
Benton	13,611	11	9.8	2	2					3			1										1	2			
Blackford	19,914	13	7.9	2	2					6			1										1	1			
Carroll	19,953	17	10.3	2	1				1	3													4	1		7	
Cass	36,478	45	15.0	8	8	1			2	15			1					4				1	1	1		7	
Dekalb	26,272	19	8.8	1	1					9		1						1				1	1	1		2	
Elkhart	48,181	46	11.6	4	4	2		1	1	13	5		1					3				1	1	1		2	
Fulton	17,736	13	8.9	4	4					5													1	1			
Grant	65,921	61	11.2	3	5	4		1	1	27	2		1					5		1		1	1	1		12	
Howard	30,001	39	15.8	7	9	1		1	2	12	2		1					2				1	1	1		3	
Huntington	30,126	27	10.9	2	1				1	10	2		2					2				2	2	3			
Jasper	15,535	8	6.2	2	2					1																	
Jay	28,154	22	9.5	1	1					11			1										2	2			
Kosciusko	29,295	13	5.4	1	1			1		4													2	1		1	
Lagrange	15,284	12	9.5	3	2					2													4	2			
Lake	44,554	74	20.2	5	17	3		3	3	10	5		1					7		8		1	4	12		7	
Laporte	40,776	52	15.5	3	3	5				23	7		2					1		1		1	2	1		7	
Marshall	25,639	19	9.0	1	2				1	7													2	1			
Miami	29,838	23	11.4	3	3			1	1	10	1							4				1	3	3			
Newton	11,106	8	8.7	2	2			1		1	3									1			1	1			
Noble	23,603	9	4.6	2	2					5			1										2	1			
Porter	19,624	22	13.6	1	3					5			1					1				1	2	1			
Pulaski	15,153	17	13.6	2	1			1		8			1										2	1			
Starke	11,688	8	8.3	2	2					2													2	1			
Stephen	15,515	17	13.3	1	1					10													2	4			
St. Joseph	63,328	99	17.6	7	17	3		2	1	25	2		2					8		3		1	5	1		6	
Wabash	29,121	24	10.0	4	1				2	7			2					2				2	1	1			
Wells	24,223	8	8.1	1	1					6													1	1			
White	20,525	12	7.1	2	1					5													1	1			
Whitley	17,328	13	9.1	1	2					5													1	3			
Central Co's	1,118,576	1,054	11.4	74	133	42	25	24	22	315	112	43	16	12	1	2	1	103	14	4	6	5	48	62	102		
Bartholomew	25,167	23	11.1	2	2				1	7			1					2					1	1			
Boone	26,321	23	5.5	1	1					7													1	3			
Brown	9,727	8	10.0	2	2					3			1					1					2	2			
Clay	35,785	17	5.7	2	2			2	2	4													1	2			
Clinton	28,535	25	10.6	1	1				2	8								2					2	2			
Deoatur	19,614	21	13.0	5	5					8			1										1	1			
Delaware	59,405	39	8.0	3	8	2		1	1	9			2									1	1	3			
Fayette	13,841	11	9.6	1	1					4													1	1			
Fountain	22,201	19	10.4	1	1				1	9			1					2					1	1		2	
Franklin	16,383	14	10.4	1	1					9													1	2			
Hamilton	31,430	23	8.9	6	6			1	1	8								1		2		1	1	1			
Hancock	19,755	19	11.7	1	1					3			1										1	1			
Hendricks	21,292	19	10.8	3	2			1	1	5			2										1	1			
Henry	25,572	16	7.6	2	2					3								1				1	1	1		1	
Johnson	20,488	24	14.2	1	1					13			2					2				4	4	1	1		
Madison	83,671	57	9.9	5	5			3	3	16	6		1					8				1	2	2		1	
Marion	234,087	334	17.4	23	43	9		7	4	82	44	7	2	5				45		9		1	8	18		73	
Monroe	22,153	16	8.8	3	3					2			1					1					2	3		1	
Montgomery	29,933	23	9.3	2	2					5			3					3					2	1			
Morgan	21,183	18	10.3	1	1					7													1	1			
Owen	15,193	11	8.3	3	3			1	1	1								2				1	1				
Parke	24,082	22	11.1	2	3			1	1	6			1					1				1	1				
Putnam	21,478	24	13.6	5	5				2	6			1					1				1	1	4			
Randolph	28,880	22	9.2	7	7			1	1	3			1					1				1	1	1			
Rush	20,594	12	7.1	2	3					9													3	3			
Shelby	26,906	23	10.4	2	2			1	1	6			1					3					3	3			
Tippecanoe	40,465	33	9.9	3	3			1	1	17	5		2					1				1	2	2		11	
Union	19,500	19	11.8	2	3					8			1										1	1			
Vermillion	16,091	1	1.8	3	3					5			2					2					1	1			
Vigo	80,319	82	12.4	10	10	5		2	1	18	4		1					13		2		3	4	8		8	
Warren	11,537	12	12.6	1	1		</																				

Mortality of Indiana for November, 1907.

POPULATION BY GEOGRAPHICAL SECTIONS AND AS URBAN AND RURAL.	Population, Estimated According to U. S. Census Method.	Total Deaths Reported for November, 1907.	Annual Death Rate per 1,000 Population.	Stillbirths.	Important Ages.												Deaths and Annual Death Rates per 100,000 Population from Important Causes.							
					Under 1.		1 to 5.		5 to 10.		10 to 15.		15 to 20.		65 and Over.		Consumption.		Other Forms Tuberculosis.		Typhoid Fever.		Diphtheria.	
					Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.
State	2,691,185	2,543	11.5	164	315	13.2	115	4.8	62	2.6	18	2.0	64	2.6	777	32.5	254	115.0	38	17.2	76	34.4	33	14.9
Northern Co's	899,960	851	11.5	59	113	14.2	30	3.7	15	1.8	8	1.0	23	2.9	281	35.4	72	97.6	10	13.5	19	25.7	10	13.5
Central Co's	1,118,376	1,054	11.4	71	133	13.5	42	4.2	25	2.5	24	2.4	22	2.2	315	32.1	112	122.1	23	25.0	18	17.4	12	13.0
Southern Co's	873,849	638	11.5	32	69	11.3	43	7.6	22	3.6	16	2.6	19	3.1	181	30.0	70	126.3	5	9.0	41	74.0	11	19.8
All cities	1,028,002	1,186	14.0	74	163	14.6	54	4.8	27	2.4	22	1.9	24	2.1	297	26.7	130	154.2	14	16.6	21	24.9	18	21.3
Over 50,000	386,363	480	15.1	33	66	14.7	19	4.2	11	2.4	10	2.2	8	1.7	111	24.8	57	179.7	7	22.0	6	18.9	9	28.3
25,000 to 50,000	97,740	111	13.8	12	16	16.1	5	5.0	3	3.0	2	2.0	2	2.0	21	21.2	15	187.2	.....	.....	.....	.....	.....	.....
10,000 to 25,000	234,029	272	14.1	19	38	15.0	12	4.7	3	1.1	7	2.7	7	2.7	72	28.4	27	140.7	3	15.6	5	26.0	3	15.6
5,000 to 10,000	179,439	202	13.7	4	27	13.6	9	4.5	6	3.0	5	2.5	4	2.0	53	28.7	23	156.3	2	13.5	8	54.3	2	13.5
Under 5,000	129,931	121	11.3	6	16	13.8	9	7.8	4	3.4	.....	.....	.....	.....	40	34.7	6	75.1	2	18.7	2	18.7	2	18.7
Country	1,666,188	1,357	9.9	90	452	35.6	61	4.8	35	2.7	26	2.0	40	3.1	480	37.8	124	90.7	24	17.5	65	40.2	15	10.9

POPULATION BY GEOGRAPHICAL SECTIONS AND AS URBAN AND RURAL.	Deaths and Annual Death Rates per 100,000 Population from Important Causes.																							
	Group.		Scarlet Fever.		Measles.		Whooping-Cough.		Pneumonia.		Diarrhéal Diseases, Under 5 Yrs.		Cerebro-Spinal Meningitis.		Influenza.		Puerperal Septicæmia.		Cancer.		Violence.		Small-pox.	
	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.	Number.	Death Rate.
State	3	1.3	7	3.1	3	1.3	3	1.3	245	110.9	43	19.4	9	4.0	13	5.8	9	4.0	121	54.7	176	79.2	.....	.....
Northern Co's	.....	.....	3	4.0	1	1.3	.....	.....	69	93.5	15	20.3	2	2.7	4	5.4	3	4.0	46	62.3	72	97.5	.....	.....
Central Co's	1	1.0	2	2.1	.....	.....	1	1.0	103	112.3	14	15.2	4	4.3	6	6.5	5	5.4	46	50.1	62	67.6	.....	.....
Southern Co's	2	3.6	2	3.6	2	3.6	2	3.6	73	131.8	14	25.2	3	5.4	3	5.4	1	1.8	29	52.3	42	75.8	.....	.....
All cities	.....	.....	2	2.3	2	2.3	1	1.1	130	151.2	32	37.9	.....	.....	3	3.5	6	7.1	50	59.3	85	100.8	.....	.....
Over 50,000	.....	.....	1	3.1	.....	.....	.....	.....	58	182.9	17	53.6	.....	.....	.....	.....	4	12.6	15	47.3	26	81.9	.....	.....
25,000 to 50,000	.....	.....	1	12.4	.....	.....	.....	.....	7	87.3	3	37.4	.....	.....	.....	.....	1	12.1	6	74.8	9	112.3	.....	.....
10,000 to 25,000	.....	.....	.....	.....	.....	.....	.....	.....	31	161.6	5	26.0	.....	.....	1	5.2	17	88.6	27	140.7	.....	.....	.....	.....
5,000 to 10,000	.....	.....	1	6.7	1	6.7	1	6.7	20	135.9	6	40.7	.....	.....	2	13.5	.....	.....	6	40.7	17	115.5	.....	.....
Under 5,000	.....	.....	.....	.....	.....	.....	.....	.....	14	131.4	1	9.3	.....	.....	.....	.....	.....	.....	6	56.3	6	56.3	.....	.....
Country	3	2.1	5	3.6	1	1.7	2	1.4	115	84.2	11	8.0	9	6.5	10	7.3	3	2.1	71	51.9	91	66.5	.....	.....

Meteorological Summary for November, 1907. Furnished by the Central Office, Indiana Section, Climatological Service, U. S. Weather Bureau, Indianapolis, Ind., December 1, 1907.

W. T. BLYTHE, SECTION DIRECTOR.

SECTIONS.	TEMPERATURE.												PRECIPITATION.				CONDITION OF SKY.			Wind.		
	Mean.	Departure from Normal.	Highest.						Lowest.						In Inches.				Number of Days.			
			Degrees.	Date.	Place.	Degrees.	Date.	Place.	Average.	Departure from Normal.	Snowfall Un-melted.	Days with .01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	Prevailing Direction.						
Northern Section	38	-1.2	65	6	Hammond	14	15, 16	Auburn	14	15	Knox	14	15, 16	Markle	2.19	-1.11	2.3	6	14	7	9	NW.
Central Section	39	-1.8	68	4, 7, 9	Farmersburg	11	16	Northfield	15	13	Princeton	15	13	Paoli	2.68	-0.76	0.9	7	12	8	10	NW.
Southern Section	42	-2.0	70	8	Jeffersonville	18	23	Columbus	18	25	Salem	18	25	Veray	3.50	-0.53	0.4	7	11	8	8	NW.
State	40	-1.7	70	8	Jeffersonville	11	16	Northfield	18	14, 15	Worthington	2.79	-0.80	1.2	7	13	8	9	NW.			