| Volume XII | INDIANA |
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The MONTHL.Y BULLETIN will be sent to all health officers and depaties in the State. Health officers and deputies abould carefully read and fite each copy for future reference. This is very fanportant, for we expect to print lastructions, rules and general information, which it will be ancessary for officers to preserve.

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## APRIL BIRTHS.

Birth reports are always a month late, because the law gives twenty days in which doctors and midwives may report.

Total births. 4,163. Males. 2.166: females, 1.997. Birth rate, 18.5 per 1.000 population. Excess of birth over death rate. 4.2.

Whites-Males, 2.123; females, 1.962.
Negroes-Males, 43 ; females. 35.
The highest birth rate was in Warren Connty. 32.5: the lowest in Palaski. 8.4.

## ABSTRACT OF MORTALITY STATISTICS FOR MAY, 1909.

Total number of deaths, 2,739 ; annual rate, 12. In the same month last year, 2,694 deaths; rate. 11.8 . In the preceding month, 3,212 deaths; rate, 14.3. Deaths by important ages were: Under one year, 341, or 12.9 per cent. of the total ; 1 to 5,$40 ; 5$ to 10.43 ; 10 to $15.47 ; 15$ to 20,$89 ; 65$ and over, 867 , or 32.9 per cent. of the total.

SantTary sections: The Northern Sunitary Section, population 920.585 , reports 916 deaths; rate, 11.7. In the preceding month, 1,086 deaths; rate, 14.3. In the same month last year, 890 deaths; rate, 11.4.

The Central Santtary Section, population 1.0s9.818, reports 1,236 deaths; rate, 13.3 . In the preceding month, 1,346 deaths; rate, 15. In the same month last year, 1,170 deaths; rate, 13.2 .

The Soctitern Santrary Section, population 722, 146. reports 641 deaths; rate, 10.4. In the preceding month, 780 deaths; rate, 13.1. In the same month last year, 643 deaths; rate, 10.3.

REVIEW OF SECTIONS: The Central Sanitary Section shows the highest death rate: 1.3 above the average for the whole State. The Central Section shows the highest death rates for consumption. puerperal fever, cancer and violence. The Southern Sanitary Section shows the highest death rates for diphtheria, diarrheal diseases, cerebro-spinal meningitis, and influenza. The Northern Sanitary Section shows the highest death rates for typhoid fever. scarlet fever. measles and pneumonia.

CITIES: Total population $1,050,410$, reports 1,283 deaths; rate, 14.4. In the same month last year. 1,286 deaths; rate, 14.4. The city death rate is 2.4 higher than that for the whole State, and 3.9 higher than the death rate for the country. The death rates of cities having over 10,000 population are as follows: Indianapolis, 14.5; Evansville, 11.3; Fort Wayne. 18.9 ; South Bend. 14.8 ; Anderson. 14.1; Columbus. 18.8; East Chicago. 26.8; Elkhart. 14.5; Elwood, 16.2; Hammond. 11.2: Jeffersonville. 10.8; Kokomo, 13.7; Lafayette. 21; Laporte, 7; Logansport. 14.1; Marion. 7.8; Michigan City. 14.1; Muncie. 14. א: New Albany. 15.3; Pern. 13.4: Richmond. 13.2: Vincennes. 8.4.

## SUMMARY OF MORBIDITY AND MORTAL ITY FOR MAY, 1909.

Rhenumtism was reported as the most prevalent disease. It was also reported as most prevalent in same month last rear. Respiratory diseases show a decrear trom preceding month. The order of prevalence was as follows: Rheumatism, tonsilitis, bromehitis. measles. intluenza. pnemmonia, diarrhea, pleuritis. scarlet fever. whooping cough. intermittent and remittent ferer, typhoid fever. diphtheria and membranous croup. erysipelas, intlammation of bowels, eholera morbus, smallpox. dysentery, puerperal fever. chickenpox. cerebro-spinal meningitis. cholera infantum, typhomalaria fever.

SXLALIPOX: 88 cases reported from 13 counties, with one death. In the same month last year, 275 chases reported from 33 counties, with no deaths. The following connties report the disease present: Allen. 7 eases: Dearborn. 4; Delaware. 1; Gibson, 5; Grant, 2; Montgomely, 4; Parke, 1; Pulaski, 2; St. Joseph, 9: Vaudurburgh. 7; Vermillion, 38; Wayne, 6, with one death: White, 2 .

TlBERCLLOSIS: 384 deaths, of which 328 were of pulnomary form. In the same month last year, 389 deaths. pmimonary form, 330 ; males, 179 ; females. 205 . Of the male deaths, 28 were married in the age period of 18 to 40 and left 56 orphans under 12 years of ayt. Of the females. 67 were married in the same aye periocl and left 134 orphans. This disease caused a total of 190 orphans and invaded 372 homes. Had this haves been cansed by railroads, would apathy still reigu:

PNECNONIA: 203 deaths. In the same month last year. $2 \underline{2}$ deaths. Male pnedmonia deaths numhered 105 , females $9 x$. By certain age periods the deaths were: Conder one year, $34 ; 1$ to $5.26 ; 5$ to 20 , 16 : 2 (1) $2040.24 ; 40$ to 60,31 ; 60 to 70,$19 ; 70$ to 80 , $31: 80$ to 00. 19: 90 and over. 3 .

TYPHOID FEVER: 80 cases reported in 22 counties. with 35 deaths. In the same month last year, 91 eases in 26 comuties, with $\underline{2}^{-1}$ deaths. The disease existed unusually in the following eounties: Clark. 11 eases: Delaware, 9; St. Joseph. 6: Vanderburgh. $s$ : Warrick, $\overline{5}$. Not a single case or death was repurted from Marion County. the largest in the State.

DIPHTIERLA: 56 eases reported in 21 counties. with 5 deaths. In the same month last year. 37 cases in 13 eounties, with 9 deaths.

VOLENCE: Deaths numbered 172, Same month last year, 221 deaths, Of the violence deaths. 12 were uurders. 35 suicides. 125 accidents. Of the murders. $s$ were cunsed by gunshots. 6 males and 2 females; 3 were caused by fractured skulls, 2 males and one female : ons method not named. Of the sumeides. 7 were gunsints. fi by hanging. 2 by eutting and stabining.

2 by illuminating gas, 14 by carbolic acid, 3 by other poisons, one by jumping from window. Of the accidental deaths. 15 were caused by steam railroads, 7 by street cars, 2 by automobiles. Crushing injuries caused 19; mines, 13; drowning, 13; gunshots, 2; falls, 24 ; horses and vehicles, 9 ; ptomaine poisoning, 2; mushroom poisoning, 2; asphyxiation, 5; explosion. 2 ; lightuing, 2 ; and the remainder by various methods.

## REPORT' OF 'THE BACTERIOLOGICAL LABORATORY FOR MAY, 1909.

J. P. SLMONDS, M. D., SUPT.

Sputum for tubercle bacilli: Positive 72, negative 219; throat cultures for diphtheria bacilli, positive 8 , negative 30 , no growth 2 ; blood for Widal reaction, positive 5 , negative 61 ; blood smears for malaria, positive 2 , negative 13 , unsatisfactory 2 ; for rabies, dogs' heads, positive 4 , negative 10 , unsatisfactory (account decomposition or previous improper removal of brain) 3; cats' heads, negative 2; hog's head, negative 1 ; sheep's head, positive 1 ; calf's head, positive 1; urethral and vaginal discharge for gonococei, males, positive 10, negative 19 ; females, positive 4 (one a three year old girl), negative 5; blood cultures 4 ; cerebro-spinal fluid, 5 ; urine, 12; pus, 4 ; saremma, 2; epithelioma and carcinoma, 2; other pathological tissues, 13; stomach contents. 2; milk, 11; pleural effusion, 2 ; blood smears, 6 ; feces. 3 ; pseudogall stones (olive oil soap), 1. Total, 541.

Outfits sent out: Sputum, 419; diphtheria, 63; Widal, 151; malaria, 135. Total, 768.

## To the Health Officers of Indiana:

There has been a great deal of confusion and unnecessary trouble chused at the State Laboratory of Bacteriology and Pathology because so many physicians send specimens to the laboratory improperly prepared and improperly wrapped. Inasmuch as the special containers sent out by the laboratory can be obtained free of charge, it is entirely unnecessary for physicians to send specimens improperly wrapped for transmission through the mails. There has been complaint from the postal authorities, and we are in receipt of the following from Mr. Bryson, Postmaster at Indianapolis:
"Sir-An order was issued in April by the Pastmaster-General, which reads as follows:
"'Complaint reaches the Department that specimens of diseased tissues are frequently sent in the matls in improper mailing cases. Postmasters will refuse to receive such matter for transmission in the malls uhen not put up as requived by Section 495, Postal Laws and Regula tions, and will under no circumstances deliver
swh matter to any laboratory which is not in possession of the permit required by that section.'
"I would suggest that you advise such doctors as do not comply with the law, that their matter will not be delivered to you unless properly wermed.
(Signed) Robcrt I. Rryson, Postmaster.'

One of the most essential elcments in accurate, reliable labomtory work is the collection and preparation of meterial for exomination. . Not infrequently a glass slide is reccired with a single thick drop of blood in the center. with the request that it be examined for malaria organisms. Such a specimen is absolutely worthess for such examination. In order that a blood smear may be properly examined for malarial organisms or for anything else concerning the cytology of the blood, the smear must be thin and evenly made so that the corpuscles do not lie piled up on each other. We occasionally even get specimens to be examined for the malarial organism, made on a mica plate, which. even if the smear were properly made would be too oparue to allow of microscopic examination. Again. it is not at all infrequent to receive a specimen of blood for Widal raction, consisting of one or feo almost microscopic drops of blood. This amount of blood is cutirely too small for making an accurate Tridal raction. For this purpose, one or more large drops of blood should be collected and allowed to dry in the air without heating.

A feur days ago ur recpised at the laboratory a tiny parkage consisting of a small cork urapped in a bit of paper an which was a mote roncorning a case of suprosed twberulasis. the whole smeared with foulsmelling sputum. The timy wial that hat rontained the sputum had slipped out of the parkage, and in doing so had omplctely saturated the wrappings. It is acdless to say that such practices not only endanger the hedth of those who had mail in the same mail bag with this little package, but they also are a tery great source of danger to those who must handle these sperimons in the laboratory.

Fivrly few days there ar receird specimens of hatteriologingl tissues which hate been errapped in gevz', more or less moist at the beginning, or in som kiml of poper, and sent to the laboratory for micros'opic eramination. Such specimens when received ary dry. the cells of the tissurs are cutircly changret and frequently rendered rutivly unrcogmizable and the whole specimer renderd absolutely worthess for safisfartory eramination. In matters so important as the mifroscopic diagnosis of supposed caners, where a feu dnys' fime may mals all the difference in the uorld in the prognosis of the casc, it is certainly folly to sfud a spfcimen to the laboratory in a condition in which the practitioner himerlf should hnow that satisfartory eramination is impossible.

Hereafter, when outfits are sent to health officers for distribution there will be in each package about a dozen circulars of information concerning the work of the laboratory and describing hou specimens should be prepared for examination. Health officers can materially aid the laboratory, as well as their fellow practitioners, by distributing these circulars among the physicians whom they supply with outfits, and by urging them to read carefnlly and to send their specimens to the laboratory in accordance with the rules of the State Board of Health.

## REPORT OF THE DEPARTMENT OF FOOD AND DRUGS,STATE BOARD OF HEALTH, FOR MAY, 1909.

h. e. barnard, state food and drug commissioner.

Two hundred and forty-three samples of food and drugs were analyzed during the month of May, and of this number 209 were found to be of good quality, containing no foreign ingredients and being properly labeled. It is worth noting that of the 27 samples of maple syrup analyzed, not a single case of adulteration was found. This result without doubt surpasses every other recorded report of the analysis of maple syrup. and must be accepted as conclusive evidence that the producers of this much prized syrup at length realize that the flavor of the genuine product should not be destroyed by admixtures of sugar syrup, and that the consumer is willing to pay a good price for a pure article.

Fifteen of the 106 samples of milk analyzed were either skimmed or watered. No phase of the pure. food control work must be more carefully studied and watched than the regulation of the milk supply. The product changes hands so frequently before it reaches the consumer, and usually while in an easily opened container. that the temptation to abstract the cream or dilute with water seems too great to be overcome.

MONTHLY REPOHT OF ANALYSBS OF FOOD ASD DRCGS
The folloninge sumary preants the results of the examination of frod and druge made by the Food and Drug Laboratory of the State Board of Hesith during the ranath of Miny. 190?:


## INSPECTORS＇REPORTS FOR THE MONTH OF MAY， 1909.

Nine hundred inspections of dairies，grocery stores． moat markets，bakeries，confertioneries，hotels．restan－ rants．etc．．Were made during the month of May． Twenty－six of the places visited were found to be in rxerllent conditions． 474 wree rated ats good and 312 as fair．Sixty－mine places were classed as poor，and 19 of the number inspected were ungualifiedly bad． Nine of the 18 ponltry houses visited were so classed． and hat one was even good．The eondition of the es－ tablishments where peoltry is dressed and prepared for market are very unsanitary．The business is ustually comducted in a dilapidated structure，not pro－ vided with proper facilities for sewage disposal and water supply；poorly lighted，not ventilated except by broken windows and cracks in the walls，and during Hy season swarming with millions of flies．The in－ spectors are compelling all these conditions to be abated promptly．and any poultry house hereafter operating in an unclean way will be closed until put in a sanitary condition．All other establishments vis－ ited were graded about as usual．although a larger number of darics were classed as poor than for some time past． 12 out of the 29 loarns visited being en－ tirely unsuited for the production of clean and whole－ some milk．

During the month 27 anses were brought for the violation of the pure fond and drug law．and in every instanere the defemdant was found guilty and fined．Six
cases were brought against milk men for selling wa－ tered or skim milh；six cases against ice cream manufac－ turers for selling ice cream containing less butter fat than that required by the standard；in six instances butchers were fined for selling sausage and hamburger strak whieh was adulterated with suphite of soda． Five cases wre brought for the maintenance of un－ sanitary conditions in grocery stores，restaurants and slaughter houses．and for the sale of unprotected food stuffe．In one instancer a dealer was arrested for in－ terference with in inspector engaged in the perform－ ance of his daty．and was fined ten dollars and costs．

The fines and costs imposed during the month amounted to $\$ 568.25$ ．
summary of inspections dirivig the month of may， 1508.

| INSTECTIONS． | $\begin{aligned} & \text { 要 } \\ & \text { 㟶 } \\ & \text { 安 } \end{aligned}$ |  | ¢ <br> 0 <br> 0 <br> 8 | 㖖 | 发 8 8 8 | 友 d d |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dairies． | 29 | 0 | 4 | 9 | 12 | 4 |
| Grocery stures | 343 | 12 | 191 | 125 | 14 |  |
| Meat mazkets． | 208 | 4 | 132 | 63 |  | 1 |
| Drug teres． | 101 | 5 | 73 | 18 | 3 | 0 |
| Pakeries and confectimeries | 81 | 2 | 34 | 36 | 8 | 1 |
| Fotels and restsuramiz．．． | 85 | 2 | 24 | 43 | 16 | 0 |
| Slaughter hauses． | 10 | 0 | 1 | 3 | 4 | 2 |
| Poultry housea． | 18 | 0 | 1 | 6 | 2 | 9 |
| Fish markets． | 5 | 0 | $\frac{1}{3}$ | 3 | 1. | 0 |
| Creamerries．．．．． | 5 | 1 | 3 | $\frac{1}{2}$ | 0 | 0 |
| Canning fartorles Botting works | 4 5 | 0 | 3 | $\stackrel{2}{1}$ | 1 | 0 |
| Wholessle groweries | 1 | 0 | 1 | 0 | 0 | 0 |
| Iee housea．．．．． | 2 | 0 | 1 | 0 | 0 | 1 |
| Ice eream factory | 1 | 0 | 0 | 1 | 0 | 0 |
| Fruit gitere． | 1 | 0 | 0 | ， | 0 | 0 |
| Gigar factory． | 1 | 0 |  | 0 | 0 | 0 |
| Total number of invpectiont made | 900 | 26 | 474 | 312 | 83 | 19 |

LIKT OF PROSECTTION BROEGHT LNDER THE NEW FOOD AND DREG LAW DURING THE MONTH OF MAY， $190 \%$ ．

| COSXY | laty | Same and Address of Defendant． | Depal Ssle of | $\begin{aligned} & \text { minorms } \\ & \text { tion Filed. } \end{aligned}$ | of Trial． | Disperaitiox of Case． |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | By the Cout | Final |
| Clusk． | 148 | John E．U | silk，ma | －10－09 | 5－15－09 |  | Settied， 810 and costs． |
| $\mathrm{Clark}^{\text {chatk }}$ | ${ }_{3}^{13786} 1$ | Herman Beeker Jefferion ille in | Mrik，skimmed． |  |  |  | Setted sis and costr |
| Floyd． | XXPX | Reuben Ingraili，freensille．I | Cosmitacy elaugher hou | 5－10－09 | ${ }_{5-1309}^{5-21-69}$ |  | rextled Setted 810 and costa． |
| Greene | XTx | John D．Lander，Linton，Ind | Insisitary groery store | 5－14－09 | ${ }_{5} 514-09$ |  | Sentied， 825 and cores． |
| Lamarnec | 14729 | War．A Garrikorn Sedford，Ind | Lee eream，brlow standard | 5－17－09 | 5－21－09 |  | Setted， 310 and cores． |
| Laxmme． | ${ }^{14731}$ | J．L．Miller，Befford，In： | Ire creas，relow standard | $5-17-09$ | 5－2t－09 |  | Settled， 30 and coss |
| $!$ ！asrenee | 14743 | O．P．Mathew ，withelill 1 | Ine cream，below standard | 5－17－09 | ${ }^{5-22-009}$ |  | Setild， 810 and comis |
| Laxtence． | \％ 15089 | Jary J S Sears Heflord． | tre creas．below etandary | ${ }_{5-1909}$ |  |  | Setted sin and costs． |
| Marion | Xxy | ation Cobb，Indiannpolis，Ind |  | $5-21-68$ | ${ }_{5}^{5-22-99}$ |  | Settled til |
| Marion | 1354 | Broxn Bro．，Indianapotse． 1 Id | land，adulterated． | $5-6-09$ | ${ }_{5}$ |  | Seetited．sio and cones． |
|  | 13875 | Frank Schislet，Indinaspolis．ind | Lard，adulterated | $5-6-03$ | 5－13－09 |  | Settled，sio and coeva． |
| Miani | 14058 | I．W．Miller．Peru．Ind | Hamburger，Buldites preent |  | 5－1－99 |  | Settled， 810 and cossia． |
| Yonroc | ${ }_{1}^{1688}$ | Gea Poulizen，Blosmingroy， 1 nd | lece cream，belor | \％－17．09 | 5－21－99 |  | Sectled． 510 and costa． |
| Owers． | ${ }^{146984}$ | M．D．Sells，Blosomington．Ind． | Yitste stimured distileed |  |  |  |  |
| Owe？ |  | Chas Wilkon Spenrer． lm | interterenee with offict |  | 5－11－09 |  | Settled，sil and corts． |
| 1 \％mi |  | Ernet Koutlon．immer ． nd d | ［nasiotary remayrant． |  | 5－11－0 |  | Settled si0 nnd couts． |
| st．Jowph |  | F．A．Keber Mighanaks，Ind． | Hamburger，sulpidtes preeent |  | S 7 － 09 |  | Settred 510 and costa． |
| tit．Jowph | 14683 | Peter Rruerte，Mishaw mas，ind． | aparsage stipbitee gresent．．． |  | 5－7－09 |  | Setiled．\％io and coats． |
| \％it．Joseph | ${ }^{14591}$ | Oesirs Kerboert．Mioharaka，ind | Milk watered |  | ${ }_{5}^{5-17-09}$ |  | Settlett tio ind coos． |
| it． | Itsen | John Huenuner，Yishatraka．Ind | Mikk，walered． |  | 5－17－09 |  | settled， 810 and cosata． |
| 4．Imepert | ${ }^{1+566}$ | Max maskind．South Bend．Ind． | Hamburge，sul phites preen！ | $5-7-03$ | － $\begin{array}{r}\text { s－17－09 } \\ 5 \\ \hline-709\end{array}$ |  | settied． 810 and coste |
| 4．doseeh | 1450： | fi．E．Barnets，South Bend tnd． |  |  | 5－17－09 |  |  |
| st．Jcepoph | 14573 | J．P．Rozplochaski，surti Berd．Ind． | Biambinger，sulphite preent． |  | $5_{5-703}$ |  | 3etleed 10 and coses． |

## INSPECTORS＇REPORTS FOR THE MONTH OF MAX． 1909.

HRMDMEIELIM GREENF COTNTY－
Nine ingleetings were made，nf 4 xtacury stores visited $t$ was found semd， 2 finir and 1 bad，Notice was ejven to clean
 bath．Two drus stores wope found in good condition．

BLOGMINGTGX，MONROF GOENTY．
Nint：dairies ware figited．Three were found gankl．I fatr．： ponf and a lead．Two of the dalrles were closed on uccount of unelead and unsanitary conditions，and at one dairy jnstructlons were given to put in new nindows，dew foors．sutters，nud put a par－ tition to suparate the horses from the cowe．Ope reftaurant was found in poot－ondtion．One lootillng works was pinited and totund In good condition．One ice houke was vislteri and ordpend cosprt． haring rotten floors，sidewath and seiting．

## NR.1Z11, CLAK COUNTE-

Six inspreibons were made. the wbecry sture was found gond, and 1 fair. One drug store was found in fair slape. One confecthonery was found gand and 1 hakery fair. The ereamery owned hy the sanilary t'ramery Company was rixited and fond in exrillent rondition.

Twa droctery glates wate vialted and found it fait condition.


Sixtien inspections were mads turing the montla. Three groecry stores were forund good and $t$ fair. One meat market was found groal and 1 fatr. One drug store was found good and 1 poor. One fonfoctionery was found ghotl and 1 bakers fair. Ome pouliry house and 1 bottling worke were visited and found in falr shape. One restabrant was found gool and 2 restaurants were found fajt. Dim hotel was found it poor shape, being melern and unsmattary.

## FlENAMOM. OWNN COUNTY-.

Nine inspections wote made. One erocery store was tound food and 2 finir. One meat markil was found in good condition. ome diug store was rated poor. Notice was giren to elean foors and back of shop. One restamant was rated good. One restaurant and lintel were rated fair. One poultey house whs visited and found in fair shape. Notice was given to clean up coops and back yard.

## FRFDERKCKEELRG, WASHINGTON COUNTY-

Four mrowey atores and 1 drug store were visited and found in good coudition. One restaurant was found tair and 2 poor. Barber shop in restaurant was ordered out.

## FRENCH LJCK, OKANGE COUNTY-.

Of 6 dairies visited 2 were found fair and 4 poor. Stx grocery stores. 4 meat markets and 3 drug stores were risited, and all found to be in good condition. One bakery and 1 confectionery whre visited and found in grod condition. One bakery was found to be in a vers unsabitary condition and was rated bad. Seventeen hotels and restaurants were visited. The hotel owned by the French Idek Springe Hotel Compang was faund to be in excellent pondtion. Niae hotels were visted and rated good. Two hotels and + restaurants were visited and found in fair shape. One hotel was found unelean and unsanitary and was rated poor. Two slaughter houses were vislted and 1 was rated poor and 1 had.

## GREENYILLE FLOXV COLNTY--

Four grucery stores were inspected. One grocery store was fonmt rood, I falr and I bad. Gencral cleaning up was ordered, One hotel was rated rood. One cigar factors whs visited end found in good condition. One slanghter house was condemned and clased.

## HAMMOND, LAKE CODNEY-

Fife grocery stores were visitad. Two were found to be in food condition and 8 fair. Three meat markets were found to be in good condition and 3 fais.

HARLINGSEETEG, WASHINGTON COUNTY-
Obe grostry store and 1 creamery were rlsited and fomsd in gond condition. One confectionery was risited and found in falr condltion.
HTNMLNOLRG, IDROTS COUNTY-
One grocery storn was visited and found in gowl condtion.
INIPNNAPOLIS. MARION COLNTX-
Thref hundred and fifty sis first inspections ware made. of 15 grocery stores inspected, $i \bar{i}$ were found yood and is fair. Of 12f ment markets inspectod. is wert fond goon and 48 fair. Two fish markete were visited and found in fatr shape. of is drug sfores visited, 31 were found good and 7 fair. Twents bakeries and confectioneries were risited. Fise bakeries and $\overline{5}$ confectionelias were found to be in good condition. Fire bakeries and $\bar{s}$ confectionertes wetu found in fair eondition. Df 16 restaurants ristted $\because$ wers fonnd grod. 13 fair and I poor. One bottling works was follud in wood shape. One fruit company nas found in falr shape. Fiftr pounds of meat were condemned.

Trentr-thres second inspretions were made. Four grocers storns wera found good and two falr. Three meat markets were found rood antl 1 fafr. Four drig storns were found good ant 2 falr. Three restanmants were found good and 6 fsir.
AASONYIILE. GHEENE COCXTY-
Ona grocery store was fondu fair and 2 poor. Notice was giren th clagn up and cortr up prepared fond stuffat ance. ODe meat market was fonnd fair and a poor. One drug store was rated fair and the drus store orued by Lacey \& Son mas rated exceliett. One restamrant was fonnd to be in fair shape and 1 restanant was mod prom, boing unclean and unsenitary.

## I.1NTON, GRERNE CEHENTM-

Nixteen inspections weri mato. OR 0 gronery stores visited, 1 was found good, 1 fair. it poor and the wrocery storc owned by I. W. Wolford was vished and found in exechent condition. ona ment market was vistied and found in good condithon and 1 was fonnit fatr. Notlee was given to cleas up at oner. of a drug stores visited, 1 was found yood. 1 fair and the drug store owned br E. T. Sherwood was found to be In excellent condition. Two restaurants weve tound in falr shape and 1 poor. One fee cream factory was found in falr shape. One botting works was found if poor shape. Notion was given to cloan up and whitewash at once,

## LOGANSPORT, CASS COUNTL-

Six grozery stores were risited abd fonnd th good condifon. One grocery store was found falr. The grocery store and meat market owned hy J. H. Foley was visted and found in excellent condition. Two meat markets wore vislted and found in good condition. One meat mathet and 1 fish market were plsited and found in talr shape.

JOOGOOTER MARTIN COUSTX-
Of 10 grocery stores visited. 7 were found good and 3 fair. Two meat marketc, 2 drug stores, and 1 canating factory were visted and foind in good condition. Two bakertes and 1 confecflonery were vistited and found in. good condition. One confecthoners was found in fair shape. The bakery and confectonery kuown as the Little Grecn bakery and confectionery was visited and found in excellent condition. Ove pouttry house was found good. 1 falr and 1 poor. One slaughter house was found good and 1 poor. One restaurant was visited and found in poor condition.

## LXONS, GREENE COCNTY-

Two grocery stores and 1 restaurant were vistited and fonnd in good condtion. One drug store was found good and 1 fair.

## MISHAWAKA, ST, JOSRPH COUNTY-

Of 11 dairies visited 1 was found good, 5 fair, 4 poor and 1 had. Two milk depots were visited and 1 was found good and 1 poor. Seven grocery stores, 7 ment markets, 1 flsh market. and 8 drug stores were visited and found ta goox condition, The drug store owned by Robinson \& McFarland was found in excellent conditlon, One bottling trorks was fisited and found in food condition. Of 4 restaurants visited 1 was found good, 1 la!r and 2 poor. Two confectioneries were found in fair shape.

## OAKLANO CITY: GIRSON COLINTY-

One dairy was risited and found in poor condition. Six grocery stores, 4 meat markets. 4 drug stores andl 1 creamery werp visited and found In good roudition. Three alaughter bolloses were visited. Two were found in fair shape and one poor. Ten days were glven to lay new floor, make better drainage, effectually screen. whitewash. ete. Two poultry bouses were pisited and found in fatr condition. One whs found in poor shape. Better drabage was ordered. One regtaurant nas found good, 3 fatr, and I poor. Two hotels were found in tair shape. Two confectionertes aud 1 bakery were visited and found in rood conditlon. Two confectloneries and one bakery were fislted and found in fair shape.

## PAOLJ. ORANGE COUNTY-

Onn dairy was visited and found in falr shape. Orders were wiven to separate horses from cattle. put in more windows, put a botter floor in milkhousp gnd sereen same.

## PATRIOT, SW?TVEHLAND COL゙NTY-

Five grocery stores were risftrd and tound in good condftion. One drug store, 1 canning compans and 1 confettonery were Fisited and tound in fatr shape.

## PEKIN. WASHINGTON COENTY--

Three inspections werp made. One grocery store was visited und found in fair shape. fioods were ordered covered up. One confoctioners was found in fair shape. One creamery war fomal to be in fair condition. Sew floor was ordered.

## PERE. MAMM COY:NTY--

Six frocery stores were risited and found in good cotiltion. Tho grocery stores were found fo falr abape. Six meat markets and $y$ drug store were figited and found in pood condition. One hotel and restaurant was found fair and 1 hotel was found to be in poot shape. baving unclean walls, cefling and rofrigeratorn.

## H:SVNG SLN. OHIO COLNTY-

Thrpe grosery stores, 2 mpat marketa, 2 drog stores, and 1 ranning factory were risited and found in good condition. The grocery stores owned by R. D. Fisher and Fhttlock a Cooper were visited and found in excellent condition. One confictionery was found good and 1 fait. One bakayt was fonnd ia falr khapor one
fruit sture was found in fair shape. One botel owned by Joho lowers was found to be in excelle日t condition. One restaurant. was found In fair shape. One restaurant, bew hoor and ceiling ordered within thitty days. Hed must be taken out of room.

ROCLESTER, FURTON COWNTI-
One grocery store owhect by ,I. T. Listod was vistted and found in excellent candition. One grocery store and one drus store was visited and found in good condition. One bakery and l confectionery was visiled and found in fair shape.
shoals, mattin colinty-m
Of 5 grocery stores wisited. 8 wore tound good add 1 fald. One ment market was fund in fair shape. One drug store was found good and : fair. One bakery was found fait and 1 confectionery was found fair. Two restamiants were risted nnd found in fair shape.

SODTH RJSND, ST. ,TOSEPH COUNTY-
Of 38 grocery stores sisited. 20 weme found good, 13 falr and 4 poor. The grocery store owned by S. B. McQuillen was visited and found in excellent condition. Of 13 meat markets visited 7 were found good, 4 fair and 4 poor. One hundred and ten pounds of ment were condemned. Thn drug stores were risited and found in good condition and 3 were found in fair shape. Two confectioneries were risited and found in good condition. Two confectloneries and 3 bnkeries were visited and found in fatr shape. One bakery and 1 confectioncry were rated poor. The troughs, floors, ceiling, walls and machinery wert very dirty, Seven days were given to clend up or the store will have to be closed. One fish market was visited and found in poor shape.

## SPENCER, OWEN COUNTY-

One grocery store was visited and found in fair shape. Notice was given to keep floor clean. One mest market was visited and found in fair shape. Notice was given to clean floors, paper walls and paint wood work.

## SWITZ CITY, GREENE COUNTY-

sin grocery stores were visited and found in fair shape. The -mat market onned by L. F. Dalton was risited and found to be in excellent condition. One drug store was found in poor shape. Notice was given to cleen ap store at ones. One restaurant was found to be in fair condition.

## VEVAY, SWJTZERLAND COUNTY-

One creamery was visited and found in good condition. Of 4 grocery stores risited. 2 were found good, 1 fair and 1 poor. One meat market was found good and 1 poon. Two drug stores and 1 ice company were risited and rated good. One slaughter house was found in lajr sbape and i poor. One poultry house was rated fair. Two confectioneries were visited aod foubd in good condition, One bakery was found in fajr shape. One confectionery was rated poor. New floor and new roof were ordered for kitchen. Better dralnage was ordered for hack gard. These orderg were to be complied with within thirts dass. One hotel was found good and one botel was found fair. Two restaurants were visited and found in fair sbape. One restantant was rated poor. Notice afiven to get teedy to move out, buildng being old and dilapidated.

WASHINGTON. DAVIESS COUNTY-
Sixtr-three inspections were made. Eleven grozery stores were found mond. 4 fair and 3 noor. The grocers stores owned by Neal \& Estridge and John Dalley \& Co., and the grocery stores and meat matkets orned by The Cabel-Keufman Mercantile Co. and E. F. Vollmer were risited and fond in excellent condition. Six meat matkets were found to be in good sbape, while 2 was rated poor. ont wholesale grocers and 9 drug stores were visited and found in rood condition. One poultry house and 1 canning pactory were visited and found in fair shape. Fourteen bakeries and confectionprijes were ristted. Five were fond in good condition, 3 fair gad 5 poor. The confectionery onned by C. H. Jones was visited and found in axellent condition. Six restsurants were fisited. Three wete found in good condition. 2 fair and 1 poor. Notice wis given to cover up prepared food staf. and remose toilet.

## WINAMAC, PULASKI COENTY-

One daify was risited and found in a very unsanitary coadition. Of 8 grocers stores ristted, 4 were found good and 2 fair, and the grocery stores owned by John Sebill were found to be in excellent condition. Six meat markets mere found fa good condition. One drug store was rated good and 1 tair. The drag stares owned by the Smith Bros. and Marsball Camper were visited and found to be in excellent condition. Three restauradts, 3 confectioneries and 1 babery were risited and found in good condition.

## THREE TYPES OF MERCHANTS.

The food inspector for the State Board of Health soon discovers that the business men be comes in contact with may be grouped into three classes. First, the merchant who unthinkingly complies with the letter of the law without regard to its spirit. He is the grocery mau who in trying to conform to the regulation that requires "all food products except fruits and vegetables that are skinned and peeled, to be protected by coverings of metal, wood or glass," shuts his products away from public view by wooden or other opaque coverings, thus complying with the law in a way detrimental to his business.

The second class which the inspector notes is the merchant who, in complying with the same regulation, provides a neat, though it may be inexpensive glass case or cooling counter in which to display his berries, meats, etc., thus conforming with the requirements in a way that promotes his business. This man is the leading merchant of the town. It often happens that he began as a delivery boy in the store he afterward came to own. His place of business is always invitingly cool and clean and he gets the discriminating business of his community and prospers.

The third group of food merchants are those who take long chances in violating the law and put good brain matter to bad use in trying to evade it. In this class apparently fall some of the manufacturers, as is shown by the following incidents:

An inspector recently called upon a merchant in Montezuma, Ind., and found there among other things on sale two casks of beverages labeled as follows:
(1) "Artificial Cherry Flavor Cider, Coal Tar Color, Benzoate, Saccharine, Louisville Cider \& Vinegar Co., Louisville, Ky.,
(2) "Artificial Grape Flavor, Coal Tar Color, Benzoate of Soda, Saccharine, Louisville Cider \& Vinegar Co., Louisville, Ky."
These composite drinks had been sold to this dealer it seems. upon a strict guarantee that they complied with all food laws and that the manufacturer sending out the same would stand back of the retailer in the sale of these products.

A casual observation of these labels shows the goods to be in violation of the state laws of Indiana in at least the following provisions:
(1) Saccharin is not permitted in a food product.
(2) Benzoate of soda is in violation of the state laws.
(3) The designation of the product as "cider" carries with it the idea that it is a pure fruit product and this is incompatible with the idea "Artificial
('herry Flavor" and "Artificial Grape Flavor," respectively, as shown on the labels. The dealer was selling the product for "wine and cider," having been instructed to do so, he declates, by the agent taking his order.

Sow what are the facts relative to the respunsibility: of the merehant and the manufacturer in this transaction? First, the guarantec being verbal has no Villte whatever in court. Second, even if the guaranfet: had been regular and signed by the manufacturer it would in this case offer the retailer no protection. for the reason that the original packages would be liroken before the beverage could be dispensed. Third, although the guarantee had been regular and in conformity with the federal law, such a guarantee would wot have offered the retailer protection, since the goods in this case were not in couformity with the laws of this State in which they were sold. It follows, therefore, that any prosecution in relation to such goods would lie against the retailer and the manufacturing company would go scot free. They might feel irnpelled to pay the dealer's fine for business reasons, but the retailer would be the only person brought into court. He would get the odium incident to the selling of adulterated and impure goods and it would be his business that would suffer through nn action under the law of the State.

Since these facts are common knowledge among manufacturers, it seems strange indeed that any reputable company would attempt to inveigle any of our merchants into buying its goods, going out into the remote towns to the unsophisticated merchants in order to do so. It would indeed be an unfortunate day for business if it had to depend upon such methods. Fortunately our home manufacturers are, in the main, above such practices, and it is to be hoped the time will soon come when foreign companies doing business within the State will understand that legitimate business can be conserved only by obedience to our laws.

## SODIUM BENZOATE UNOBJECTIONABLE AS A PRESERVATIVE.

The referee board of distinguished chemists appointed by President Roosevelt to study the effect on the human economy of preservatives used in the food supply. has made a report to the Secretary of Agriculture of the United States to the effect that when mixed in small doses under half a gramme a day, sodinm benzoate is without deletrious or poisonous action and is not injurious to health: and that it has been found deleterious or poisonous in the general ac. ceptance of that term in quantities up to four grammes a day, though such large doses cause slight modifications in certain physiological processes, the exact significance of which is not understood. The
misture of sodium benzoate with the food has not been found to injuriously aftect or impair the quality or the nutritive value of the food. The report is based on the results of three separate series of investigations carried on indtependently in the private laboratory of Dr. Christian A. Herter, of Columbia l'niversity, New York; in the laboratories of the Sheffield Scientific School of Yale University. under the supervision of Professor Russell H. Chittenden, and in the laboratories of the Medical Sehool of the Northwestern University, Chicago, under the supervision of Professor J. H. Long. The report is signed by the above named professors and Professor Ira Remsen, of the Johns Hopkins University.-Exchange.

## BOYS VERSUS HOGS.

A western farmer's wife has made formal complaint to the government that while it is ready at all times to advise her husband concerning the proper treatment of his hogs, it will give her no assistance or advice as to the treatment of her. boys, and she needs help more than her husband does. Isn't that a ridiculous situation in a country that thinks itself to be enlightened? Millions for a navy to protect us against Japan (?), but nothing worth mentioning to protect us against developing an army of incorrigibles or dependents and defectives: The boys of today who are not well trained, who are not saved from hoodlumism, are a positive danger, and can wreck an inland city like Springfield, Ill., as completely as the Japanese navy can wreck our coast cities. These boys threaten a thousand cities, while Japan's fleets will only wreck a half dozen cities at the worst. Give us a National Children's Bureau at once, even if one naval vessel is delayed for a year.

## SANITARY INSPECTION.

Sanitary inspection of school buildiogs is of the utmost importance. If the state should send an expert or a cammon-sense inspector to the rural schools. practically all of the arrangements would be condemned. There is no greater scandal in America to-day than the outhouses in connection with many miral schools. For immorality there is almost nothing to compare with it. In nothing else are we so far behind the age in which we live. It took an Iroquois holocaust to make cities inspect theatres honestly and a Collinwood horror to secure the inspection of school fire-escape facilities. Must we wait some disaster of national note before we have sanitary inspection? The cost is a mere trifle, the results would be immeasurable in both eity and country.-Journal of Edncation.

SANTMAR CONDITLONS AT SCOTTSBLRG: Mr. Lyman Clark, of Senttsturg. writes us as follows:
"W. A. Smith owns a lot adjoining the room where I am employed. On the lol is a harrel filled with decayed vegetables from which rises a very offensive odor. On June 1 st I asked Mr. Simith to remove it. Llis reply was: 'I did not put it there; jitst pour it out." On Jume list I notified the town marshal. His reply was: 'I will see him and see what he says ahout it. On Jnne $2 l$ I notified the Secretary of the Town Board of Health. His rejly was: 'I will see the marshal and Mr. Smith and see what abont it.' On June ath I notified Mr. Smith again. His reply was: 'I do not know whether I will move it or not. I expect it is pretty bad.' On June 7th I asked Mr. Smith again if he would remove the barrel. His reply was: 'I do not know.' On June 7th I went to the depaty prosecutor to file suit against Mr. Smith. He informed me that as it was a violation of the city ordinance, I would have to see the eity attorney. I went immediate to the city attoruey, Mark Storen. I stated to him my desire. He simply smiled and remarked, 'I will see about it.' ',
Mr. Clark further remarks: "I secured little satisfaction from my efforts to secure relief from the unsanitary condition above explained. Mr. Smith does not seem to me to be a high-grade citizen, although he owns some property. High-grade citizens do not. usually maintain barrels full of rotten, stinking and offensive garlage. I think if you were to inspect this town, you would think you were among heathen instead of a civilized people. If you come here. and will call on me. I will promise to show you some things that will stagger you."

This is a type of the complaints received frequently from citizens. It makes us inquire: What is the matter with business men in cities and towns, that they permit conditions to exist which plainly interfere with progress and keep down the price of property ${ }^{\text {P }}$

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FROM ST. CROIX: The following letter tells an interesting and important story. Our correspondent says: "Is there no way to force the school authorities of Perry County to provide the school children with out-buildings? At the schoolhonse here there are no sanitary accommodations. The children are forced to go out into the open gromend. girls and boys alike. Our teacher reported the circumstances last year. hut still there is nothing doue. I have a daughter whom I wish to send to school next year, but I think the said school is an indecent and vulgar place to send her to. Respectfully. Mrs. Anna Egenberger. St. Crois. Perry County. Indiana."

This letter makes us wonder why we have ever organized foreign missionary societies. We have plenty of heathen right here at home and probably all of
the money we can possibly raise for missionary purposes and all the workers, too, will have more than they can do in Indiana alone, for this is not a single instance. Like indeceney in school matters are presint in probably 80 jer cent. of the counties of Indiana. The marvel is, this indecency and wrong against childhood is done in the name of economy. In this connection we will guote from a letter written by Dr. L. J. Baldwin, of Hortonville. He says: "The sanitary conditions of our schoolhouse are abominable and the sehoolhouse is itself a veritable fire-trap. It seems impossible to secure the co-operation of business, men here to improve matters, and the trustee and advisory board will not act. The schoolhouse is now being used as a pesthouse for smallpox."

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AT NASHVHLLE: Mrs. Allie Fergeson, a citizen of Nashville, the capital of Brown County, writes us as follows:
"A dead cat laid in our alley for several days. It smelled awful. I told the health officer about it, and he said he would send the marshal to remove it. At $8 \mathrm{p} . \mathrm{m}$. the cat was still there, and the smell was so bad that we had the same removed ourselves. Also across the street from the health officer's office is a grocery store and meat market, with a barber shop, all in the same room."

We will again remark that we do not understand why people will buy supplies at a place where barbering. embalming and such professions are followed; but they do, and we presume they will continue to do so. Mrs. Fergeson was wise to have the dead cat removed herself and not depend upon others.

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## BARBER SHOPS AND ICE CREAM PAR-

 LORS: Our last information of combination of harber shops and ice cream parlors comes from Roselawn, Newton County. Our correspondent says:"The saloons having been recently removed from our little town, the saloon keepers have gone into the soft drink business. It is said that some of these soft drinks are getting 'sorta' hard. One ex-saloonkeeper, who now has a soft drink parlor, sells iee cream by the dish in connection therewith, and has decided to put a barber shop in the front part of the romm. Many of us plain eitizens do not think this would be proper and right, and ask information whether or not the State sanitary laws would prohibit?"

The law certainly does forbid such conditions. The 6i6th General Assembly passed a law which is entitled "The Sanitation of Food-producing Establishments." This statute covers the subject. for it clearly forbids any such industry as hair-cutting, shampooing and cleaxing of the human body to exist in conjunetion with fond providing establishments.

# CHART SHOWING GEOGRAPHICAL DISTRIBUTION OF DEATHS FROM CERTAIN COMIMUNICABLE DISEASES FOR MAY, 1909. 

## NORTEFRN SANITARY BEOTION

| Cota Prpulation | 20,585 |
| :---: | :---: |
| Itala desth | 916 |
| Doudb rath par $1,000$. | 11.7 |
| Donarluption, rata per 100,000 | 111.5 |
| $\mathrm{T}_{\text {pphaid, mate per } 100,000}$ | 21.7 |
| Diphlideris, rath par 100,000 | 1.2 |
| Seurlat fenr, nta par 100,000. | 10.2 |
| Diarthas diammen, mia per 100,0 | 10.2 |

OENTRAL BANITARX SEOTION,

| futal peppration | 9,818 |
| :---: | :---: |
| foted duaths. | 1,237 |
| Dasth rake por 1,000 | 13.3 |
| Demesaption, nite mr 100,000 | 169.9 |
| Tppluid, mie par 100,000 | 5.4 |
| Diphtheris, nits par 100,000. | 2.1 |
| Sourbt fiere, cate par 100,000. | 3.2 |
| Dizathal diusser, rulo per 100,00 | 6.4 |



TABLE 1. Deaths in Indiana by Counties During the Month of May, 1909.


TABLE 2. Deaths in Indiana by Cities During the Month of May, 1909.


Mortality of Indiana for May， 1900.

| POPULATION BY GEOQRAPETCAL AS URBAN AND RURAL |  |  | 8 |  | tmportaot Agas． |  |  |  |  |  |  |  |  |  |  |  | Deathe snd Annual Death Rintes par 100,000 Fopulation from Importent Cinume |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 若 | $$ |  | Jader 1. |  | 1 to 5. |  | 5 to 10. |  | 10 to 15. |  | 15 to 20. |  | 65 and 0ver． |  | Connump tíon． |  | Otber Forma Tu－ berculeads． |  | Typbodd Etve． | Dipint． |  |
|  |  |  |  |  | $\begin{aligned} & \text { 突 } \\ & \text { 总 } \end{aligned}$ | $\begin{aligned} & \text { 喜 } \\ & \stackrel{4}{2} \end{aligned}$ |  | $\begin{aligned} & \text { ड़゙ } \\ & \text { ỳ } \end{aligned}$ | $\begin{aligned} & \stackrel{\vdots}{\mathbf{1}} \\ & \stackrel{\rightharpoonup}{4} \end{aligned}$ |  | 室 | $\begin{aligned} & \text { 苟 } \\ & \text { d } \end{aligned}$ |  | $\begin{aligned} & \text { 怘 } \\ & \text { a } \end{aligned}$ | $\begin{aligned} & \text { 肴 } \\ & \text { 恶 } \end{aligned}$ |  |  |  | 发 <br> 晨 <br>  |  |  |  | 3 4 7 8 8 |
| State． | 2，732，549 | 2，783 | 12.0 | 160 | 31 | 12.9 | 40 | 5.3 | 43 | 1.8 |  | 1.7 | ${ }_{89}$ | 3.3 | 467 | 32，9 | 329 | 142.0 | 55 | 23.7 | $35: 15$. | B |  |
| Forthera Countlea Cantral Coundies． Southern Counties． | $\begin{array}{r} 920.3 \$ 5 \\ 1,089.818 \\ 1292.146 \end{array}$ | $\begin{aligned} & 916 \\ & 1.236 \\ & 641 \end{aligned}$ | $\begin{aligned} & 11.7 \\ & 13.3 \\ & 10.4 \end{aligned}$ | $\begin{aligned} & 57 \\ & 61 \\ & 62 \end{aligned}$ |  | $\begin{aligned} & 15.4 \\ & 10.4 \\ & 11+1 \end{aligned}$ |  | $\begin{gathered} 6.0 \\ 4.5 \\ 3.8 \end{gathered}$ | 12 | 1.3 1.5 2.0 | 17 23 7 | $\begin{aligned} & 19.9 \\ & 1.1 \end{aligned}$ |  | $\begin{aligned} & 2.3 \\ & 3.6 \\ & 4.3 \end{aligned}$ | 2018 388 181 | 34.6 33.0 30.2 | 87 157 84 8 | $\left\{\begin{array}{l} 111.5 \\ 180.0 \\ 1388 \end{array}\right.$ | $\begin{array}{r}20 \\ 30 \\ \hline\end{array}$ |  | $\begin{array}{ccc}17 & 18.7 \\ 15 & 31 \\ 13 & 31.4\end{array}$ | $\frac{1}{2}$ | 1.2 <br> 2.1 <br> 3.2 |
| All Ciles． | 1．050．410 | 1，283 | 14.4 | 04 |  | 12，7 | 66 | 5.4 | 18 | 1.5 | 23 | 1.8 | 53 | 4.3 | 332 | 27 | 159 | 174.6 | 28 | 31.4 | 14 ： 15. | 4 | 4.4 |
| Over 50，000． | 705， 431 | 499 | 14.5 | 23 |  |  | 19 | 3.9 | 6 | 1.2 | 13 | 2.7 | 27 | 3． 66 | 95 | 19.9 | ${ }^{18}$ | 177.7 | 16 |  | 514.5 | 1 | 2.9 |
| 25,000 to $50,900$. 10,000 to 25500 ． | $\begin{array}{r} 43,599 \\ 3009,545 \end{array}$ | ${ }^{3} 3$ | 14.8 14.0 | 27 | 37 | ${ }^{24.6}$ |  | 3.18 | 8 |  |  |  | ${ }_{12}^{12}$ | ${ }_{3}{ }_{3} 5$ | 19 | 39.6 | ${ }_{6}^{6}$ | 162.3 176.6 |  | 27．0． |  |  |  |
| 5.000 to 10,000 ． | ${ }_{1665} 1689$ | ${ }_{200}$ | 14. | 21 |  | 13.8 |  | 7.1 | 1 | 2.5 |  |  | ${ }_{9} 9$ | 4.6 | ${ }^{69}$ | ${ }^{32} 3$ | 27 | 205.0 |  | $\frac{21}{4.0}$ | ${ }^{1} 17.0$ | $\frac{1}{2}$ |  |
| Gnder 5000 | ${ }_{1} 38.376$ | 1771 | ${ }_{10}^{15.0}$ | 96 |  | 12.8 | 11 | ${ }_{5}^{6.7}$ | 4 | ${ }_{1}^{2.4}$ | ${ }^{4}$ | ${ }_{1.8}^{2.4}$ | $\stackrel{4}{46}$ | $\frac{2}{2} \frac{4}{5}$ | 335 | 33.5 | 18 | ${ }^{659.0}$ | $3^{3}$ | $\stackrel{26.3}{18.9}$ | ${ }_{21}^{21} 4.5$ |  |  |
| comatry | 1，082．139 | 1.510 | 10.5 | 96 |  |  |  |  | 24 |  |  |  |  |  | 335 |  |  |  | 27 |  |  |  |  |

Destha and Annual Death Ratee per 100，000 Population from Important Causes．

| $\begin{aligned} & \text { POPULATION BY } \\ & \text { OECRAPHIGL } \\ & \text { AECTONA AND } \\ & \text { ABRBAN AND } \\ & \text { RURAL. } \end{aligned}$ | Croup． | Scarlet Fever． |  | Mesoles． |  | Whooplng－ Cough |  | Pbeatronia |  | Ditarriseal Didet Five． |  | Canobro－ Ueningitis |  | Lutumes． |  | Puarperal Septiocmia． |  | Canor． |  | Ylolence． |  | Smalipoz． |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { 䮖 } \\ & \text { E } \end{aligned}$ |  | 曾 |  |  | $\begin{aligned} & \text { en } \\ & \frac{4}{8} \\ & 0 \end{aligned}$ |  | 豆 | 产 |  | 域 | 号 <br> 等 <br> 8 | $\begin{aligned} & \frac{8}{5} \\ & \frac{3}{4} \end{aligned}$ | 告 | $\begin{aligned} & \text { 害 } \\ & \frac{1}{2} \end{aligned}$ | $\begin{aligned} & \frac{8}{4} \\ & \text { 券 } \\ & \text { 若 } \end{aligned}$ | 告 | 号 | 寿 |  | 容 |  |
| Suat | 2.8 | 14 | 6.0 | 26 | 11.2 | 37 | 15.9 | 203 | 87. | 35 | 15.1 | 12 | 5.1 | 43 | 18.5 | 10 | 4.3 | $15!$ | 85.2 | 172 | 74.2 |  | 4 |
| Narthern Cour Central Counti Southers Coun | 1.0 |  | $\begin{array}{r}102 \\ 3 . \\ +9 \\ \hline\end{array}$ |  | 20.3 <br> 6.4 <br> 6.5 | 11 | 15.9 <br> 11.9 <br> .19 .6 | 46 |  | $\begin{array}{r}15 \\ 7 \\ 13 \\ \hline\end{array}$ | $\begin{aligned} & 19.2 \\ & 61.2 \end{aligned}$ |  | 3.4 <br> 3.5 <br> .5 <br> 2.2 | 16 | $\begin{aligned} & 14.0 \\ & 17.3 \\ & 26.1 \end{aligned}$ | 7 | 2.5 <br> 7.5 <br> 1.6 | 53 7 7 71 71 | 67.4 83.8 34.3 | 50 <br> 96 <br> 96 <br> 6 | 64.6 103.4 42.4 17.4 |  |  |
| Ctut | 1.1 | 6 | 6.7 | 9 | 10.2 |  | 16.8 | 91 | 102.2 | 18 | 17. | 2 | 2.2 | 16 | 17.9 | 8 | 6.7 | 83 | 70.7 | 105 | 117.9 |  | ． 1 |
| Over 50，000． |  |  |  | 1 | 29 | 3 |  | 33 |  |  |  |  | ． 9 | 3 |  | 3 |  | 26 | 75.7 | 61 |  |  |  |
| 25.000 to 50.000 |  |  | ${ }^{27.0}$ |  |  |  | 27.0 | 28 |  | 2 |  |  |  | 1 |  | 1 | $\begin{array}{r}27.0 \\ 3.8 \\ \hline\end{array}$ |  |  |  |  |  |  |
| 10,000 io 25,500 $5000 \text { to } 10,00$ |  | 3 | 11. |  | $\frac{19}{6} .6$ | 5 | ${ }_{19}^{19.6}$ | ${ }_{1}^{28}$ |  | ${ }_{9}^{9}$ |  |  |  | 4 | ${ }_{21.2}^{1.7}$ | 1 | 3.8 | 19 | 74．${ }_{4}$ | 23 |  |  |  |
| Onder 5,000 ． | \％ |  | 8 |  | 17.3 |  |  |  |  | 1 |  |  |  | 3 | 439 | 1 | 8.7 | 11 | 96.5 | 8 |  |  |  |
| Country．．．．． |  | 8 | 5.6 |  | 11.9 |  |  |  | －8．5 | 19 |  |  |  | 27 | 18.9 | 4 | 2.8 | 88 | 61.7 | $6{ }_{6}$ |  |  |  |

Meteorological Summary，Indiana Section，Climatological Service，U．S．Weather Buream，for May，Igog．Furnished by W．T．Blythe，Section Director，Indianapolis，Ind．


