STATE OF IOWA

1915

REPORT OF THE

STATE FIRE MARSHAL

FOR THE YEAR 1915

OLE O. ROE State Fire Marshal

DES MOINES
ROBERT HENDERSON, STATE PRINTER
3. M. JAMIESON, STATE BINORS
1916

STATE FIRE MARSHAL

Appointed by the Governor. Term, Four Years. Expires July 1, 1919.

Office	Name	Legal Residence	Mirthplane
Assistant	A Whence	Des Molnes	Norway towa towa fowa filinola

LETTER OF TRANSMITTAL.

Des Moines, February 1, 1916.

Hon. George W. Clarke, Governor of Iowa.

Sm: In compliance with the provisions of Section 2468-n Supplement to the Code 1913, I have the honor to submit herewith my fifth annual report of my official acts and of the affairs of this office, covering the period beginning January 1, 1915, and ending December 31, 1915, both dates included.

Oh O. Rac

State Fire Marshal.

Fifth Annual Report, State Fire Marshal

For the year 1915, 3,810 fires were reported to this office involving a loss of \$6,006,914. The property involved in these fires was valued at \$25,811,389. Of the loss thus reported, property to the value of \$4,611,166, was covered by insurance, leaving an excess of loss over insurance amounting to \$1,395,748, and involving 1,189 properties. Included in this excess are 444 properties involving a loss of \$170,473, upon which no insurance was carried.

The number of fires reported in 1915 was 486 less than in 1914, but the total fire loss during 1915 exceeded that of 1914 by \$147,929.

The fire loss of 1915 was less by \$285,731, than that of 1913. The average daily fire loss of the year amounted to \$16,457, and the average loss in each fire was \$1.576.

During the year six fires occurred in each of which the loss exceeded \$100.000, and three in each of which the loss was more than \$90,000, as follows:

January 15, Sioux City	.\$ 97,593
January 25, Davenport	252,000
February 21, Des Moines.	148 300
April 27, Dubuque	. 161,725
amy 15, Logan	. 116,756
November 15, Fort Dodge	206,875
November 17, Clinton	235,300
December 20, Burlington	90.881
December 29, Davenport	99,043
Total	

The loss sustained in these nine fires exceeds 23 per cent of the total fire loss of the state.

The number of dwellings burned was 1,811, and the loss on buildings was \$740,941, and on the contents \$282,461.

The sound value of these dwellings was reported at \$3,752,915, and that of their contents at \$1,295,712.

The number of barns burned was 495, and the loss on buildings was \$344,054, and on the contents \$235,736.

The sound value of the barns was reported at \$375,880, and that of their contents at \$285,008.

STATE FIRE MARSHAL

The number of stores burned was 358, and the loss on buildings was \$426,398, and on the contents \$1.562,356.

The sound value of the stores was reported at \$2,556,850, and that of their contents at \$4,794,741.

The number of factories burned was 41, and the loss on buildings was \$195,013, and on the contents \$345,750.

The sound value of the factories damaged was reported at \$699, 825, and that of their contents at \$1,341,618.

One hundred six deaths were reported as the direct result of fire.

Of this number 38 were women and 48 were children. In 34 cases
fatal to life gasoline or coal oil was involved. Nine children were
fatally burned as a result of playing with matches or fire, or being in close proximity to a bonfire.

Inspections of buildings and premises to the number of 420 were made in 101 different cities and towns in the state, upon the basis of which there were issued 83 orders to remove buildings, 136 clean-up orders, 37 repair orders, 104 orders to change, and 14 orders to clean and repair, or a total of 374 orders.

One hundred sixty-seven suspicious fires were investigated in 106 separate places in 63 different counties of the state.

In addition to a number of indictments pending from the previous year, mention of which was made in my last report, 32 arrests and prosecutions were had during 1915. Of the cases which came to trial, 4 resulted in convictions and sentences to the penitentiary or reformatory, 4 were paroled by the court after pleas of guilty, 6 were sentenced to the industrial school for boys, 3 were sent to the hospitals for the insane, 9 were acquitted, 2 cases were dismissed by the county attorney, in 3 cases no indictment was found, 1 was released by the local officers upon promise to leave the state, and 5 indictments are still pending. These totals include five cases disposed of on indictments secured the previous year.

Appended hereto as a part of this report are five tables which set out in detail the reports of the fires and the work of inspection and investigation done by this office.

Table I shows the number of fires reported, by counties the value of the buildings and contents involved, the damage to buildings and contents, the total insurance on buildings and contents, the number of fires partially covered by insurance, the amount of excess of loss over insurance, the number of fires affecting property without any insurance and the total loss upon property not covered by insurance.

Table II shows the nature and character of the buildings destroyed or damaged, the value of each, the amount of damage thereto, the value of the contents of each and the damage thereto, the kind of material of which each was constructed and whether the loss was total or partial.

Table III contains a summary of the origin and cause of the various fires reported, the number of each and the damage to the buildings and contents, specified by causes.

Table IV contains a list of the cities and towns in which inspections of dilapidated buildings and inflammable conditions were made, the number of places inspected at each point and the number and kind of orders issued, based upon such inspections.

Table V gives a list of the places at which investigations of fires of suspicious origin were made and the date when such investigation was commenced.

FIRE PREVENTION EDUCATION.

I have continued to urge upon superintendents and teachers in our public schools the value and importance of the educational work along fire prevention lines required by law.

To this end I caused to be published during the year 25,000 copies of a revised and improved edition of Bulletin No. I, prepared by me for use in the public schools of the state, and have distributed the same to the teachers through the various county and city superintendents.

I have reason to believe that the law is fairly well complied with in most of our schools, although I have had occasional complaints from localities that both fire drills and the giving of instruction in fire causes and fire damgers were neglected. In all such cases a request by me for compliance with the law has been invariably met by assurance that the same would be had.

FIRE PROTECTION.

While great advance has been made in the last four years in the matter of securing effective fire protection, the fire departments in many places are still far from being as efficient as they ought to be.

In too many localities the city authorities are unreasonably parsimonious in their dealings with the question of fire protection, and

STATE FIRE MARSHAL

the chief is frequently unable to obtain either the apparatus of the men necessary to an efficient fire fighting force.

In all of our larger cities and in many of the smaller ones, the old and faithful fire team has been supplanted by the modern, swift-traveling automobile truck. This is a desirable improvement, for much valuable time is thus saved in reaching the place of the fire.

There is still need, especially in the smaller cities and towns where volunteer fire departments are maintained, of a better system of giving alarms, more frequent drills by the men who constitute the various fire departments, and the frequent testing of the hydrants. The greatest needs of the average fire department, are:

- (a) A water system with sufficient supply and pressure.
- (b) Good, modern apparatus and a system of signals and alarms that will operate promptly and effectively.
- (e) Efficiency and freedom from political favoritism in the make-up of the men who constitute the department.

The modern fire chief must not only fight the blaze but he ought to fight the conditions that produce it. The up-to-date fire chief must be an advocate of Fire Prevention as well as a leader in Fire Protection.

INSURANCE AND FIRE PREVENTION.

The amount of insurance carried by an individual ofttimes bears a very close relation to the care exercised by him in the matter of preventing fires.

The principal insurance hazards are carelessness and crime. These are moral, not physical hazards. They are greatly increased by over-insurance.

Over-insurance tempts the weak and encourages the careless. It places a badge of suspicion upon the honest man who meets with a legitimate loss, and causes his premium contributions to exceed the insurance value received.

The best way to make the careless man careful and the criminal less active is to absolutely prevent these and all others from securing insurance in excess of the value of the property insured.

To this end reform is necessary in our manner of writing insurance. Provision should be made for certain legal qualifications upon the part of the agent, and no risk should be assumed without previous personal inspection. If every property owner were compelled by law to carry at least a small portion of the risk himself, and if every agent who permitted over-insurance were held to the same degree of liability as one who appropriates the money of his principal to his own use, a noticeable reduction in incendiary fires would take place.

As a further means of discouraging carelessness, I most heartily inderse the sentiment of a resolution unanimously adopted by the Tenth Annual Convention of the Fire Marshals' Association of North America in favor of state or municipal legislation designed to assess upon individuals, firms or corporations the cost of extinguishing or attempting to extinguish all fires occurring in the premises of the same, whenever such fires are the result of failure to comply with any law, ordinance, or lawful regulation or requirement of any state or municipal authority enacted or made for the prevention of fire.

ARRESTS AND PROSECUTIONS.

LEMARS, PLYMOUTH COUNTY.

On January 1, 1915, a fire took place at Le Mars destroying certain property owned by one Von Berg. One Wayne Huxtable confessed to Deputy Tracy that he set this fire. Huxtable was indicted by the grand jury of Plymouth County at its January session. When warrant was issued for him, he could not be found. The indictment is still pending.

CEDAR RAPIDS, LINN COUNTY.

Elmer Shea, a boy sixteen years old, to whom reference was made in my last report was committed to the Industrial School for Boys at Eldora on January 26, 1915.

In January, 1915, Orla Clark was indicted by the grand jury of Linn County charged with setting fire to his barber shop. His case came to trial on June 1, 1915, and resulted in a directed verdict in favor of the defendant.

CENTERVILLE, APPANOOSE COUNTY.

On December 9, 1914, a fire occurred in a confectionery store at Centerville. This fire was thoroughly investigated by Assistant Zimmerman with the result that the evidence gathered by him was placed before the grand jury of Appanoose County, which body at its January, 1915, session indicted Allie Joseph. George Seid, and Charley Albert charging them with the crime of burning to injure the insurer. On February 5, 1915, the trial of Albert and Seid was commenced and on February 14, 1915, the jury returned a verdict of guilty, and each of the defendants was sentenced to serve ten years at the Fort Madison penitentiary. These cases are now pending on appeal in the supreme court.

On April 28, 1915, the case of Allie Joseph was brought to trial.

At the conclusion of the evidence, the court directed a verdiet for
the defendant on the alleged ground that the indictment was defective.

KEOSAUQUA, VAN BUREN COUNTY.

In the month of January, 1915, the grand jury of Van Buren County returned an indictment against Jesse Parker of Keesauqua charging him with the crime of burning to injure the insurer. The case was brought to trial in the month of August, 1915, and resulted in the acquittal of the defendant.

ALBIA, MONROE COUNTY.

On February 24, 1915, Dr. C. G. Hoover was arrested charged with arson. Before a hearing was had on this charge, Dr. Hoover was taken before the commissioners of insanity and was by them adjudged insane, and on February 27, 1915, was committed to the hospital at Mt. Pleasant.

OELWEIN, FAYETTE COUNTY.

On or about March 1, 1915, J. H. Richards and wife were arrested and bound over to await the action of the grand jury, for setting fire to a building with intent to injure the insurer. Both parties were indicted by the grand jury of Fayette County. The trial of Mrs. Richards which was concluded on May 1, 1915, resulted in a verdict of not guilty. The case against Mr. Richards was subsequently dismissed by the county attorney.

DIKE, GRUNDY COUNTY.

On or about March 13, 1915, the grand jury of Grundy County indicted one M. E. Cowell charging him with the burning of a barn and contents occupied by S. E. Mulkins. After a trial lasting from September 6 to 11, 1915, a verdict of acquittal was returned by the jury.

AKRON, PLYMOUTH COUNTY.

On or about March 30, 1915, upon complaint of local officials one Fred Smith was arrested charged with burning an elevator at Akron. Smith was bound over to the grand jury, but that body failed to return an indictment.

NODAWAY TOWNSHIP, PAGE COUNTY.

In April, 1915, the grand jury of Page County indicted one Clyde Hiser on the charge of arson. Hiser was a boy fourteen years of age who admitted in a confession made to Assistant Frowick, of this department, that he had set fire to a school house in the township for the purpose of "getting even with the teacher." When a bench warrant was issued and placed in the hands of the sheriff, it was discovered Hiser could not be found.

MARION TOWNSHIP, DAVIS COUNTY.

On April 7, 1915, a fire destroyed a dwelling in Marion Township, Davis County, owned by J. F. Hopkins. The evidence gathered pointed to one Walter Smith as the party probably guilty of setting this fire. Smith was subsequently indicted, convicted and sentenced to the penitentiary.

Special credit for securing this conviction is due to the county attorney and the local officials of Davis County.

UNIONVILLE, APPANOOSE COUNTY.

On June 9, 1915, fire destroyed a school house in Udell Township, Union County. Upon complaint of local officials Mrs. Alice Gerlock was arrested charged with the crime of burning the same, and was bound over to await the action of the grand jury. That body, however, failed to find an indictment against her.

ARMSTRONG, EMMET COUNTY.

On or about July 5, 1915, one Godfrey Knight was arrested by the local officials of Armstrong charged with setting fire to the jail at that place. He was, however, released by the authorities there upon the alleged condition that he leave the state.

MAPLETON, MONONA COUNTY.

On August 3, 1915, John B. Folck made a confession to Deputy Tracy of having set seven fires during a period of several years at or near the place where he lived—about nine miles south of Mapleton, Monona County. Young Folck was arrested and bound over to await the action of the grand jury. Upon investigation it was found that his case was one of pyromania and he was committed to the Hospital for the Insane at Cherokee by the commissioners of Monona County.

GREENFIELD, ADAIR COUNTY.

On August 12, 1915, Virgil Havens, a boy sixteen years old, made a confession to Assistant Frowick that he had set three fires in the town of Greenfield. The confession and other evidence gathered was placed in the hands of the county attorney of Adair County who placed the matter before the judge of the district court, with the result that young Havens was paroled to his father during good behavior.

CRESTON, UNION COUNTY.

During the August term of the district court of Union County, Oscar Rosenow and C. L. Lindahl, two young men who had previously been arrested charged with complicity in several fires which had recently taken place in the C., B. & Q. R. R. yards of that city, pleaded guilty to the charge of attempting to set fires to buildings, and each was sentenced to serve three years at the reformatory at Anamosa. The sentences were, however, suspended by the court upon certain conditions.

BOONE COUNTY.

At two o'clock a. m., August 2, 1915, a fire took place in the dwelling house of T. J. Smalley in Des Moines Township, Boone County, doing some damage to the building and contents. This fire was set by one Arthur Lumley, a nephew of Mr. Smalley, who had murdered his uncle and set the building on fire to cover up the crime. Later Lumley confessed to the authorities at Boone and on August 23, 1915, was sentenced to the penitentiary for life.

COUNCIL BLUFFS, POTTAWATTAMIE COUNTY.

On September 3, 1915, John L. Price was indicted by the grand jury of Pottawattamic County charged with the crime of burning an inhabited dwelling in the night time. This indictment is still pending.

In the early part of September, 1915, a number of fires took place in the telephone exchange at Council Bluffs. Shortly thereafter Adolph Elgan, a boy fifteen years old, made confession that he set the fires in question. Elgan was arrested, pleaded guilty in juvenile court and was sentenced to the industrial school for boys at Eldora for six years, but was subsequently paroled to his father during good behavior.

Following an investigation made by Assistant Zimmerman of a fire which occurred at Council Bluffs, on or about November 20, 1915, G. W. Robinson and Mrs. G. W. Robinson were arrested charged with the crime of setting fire, and both were held to await the action of the grand jury, which body at its January, 1916, term returned an indictment against them. This indictment is still pending.

OTTUMWA, WAPELLO COUNTY.

In the latter part of October, 1915, William Pickens and B. H. Hammersley were indicted by the grand jury of Wapello County charging Hammersley with the crime of burning, and Pickens with that of causing to be burned property with intent to injure the insurer. The case of Pickens came to trial on or about November 15, 1915, and resulted in a verdict of acquittal. A little while later Mr. Hammersley was placed on trial and after the evidence upon the part of the state had been introduced a verdict of acquittal was directed by the court.

SIOUX CITY, WOODBURY COUNTY.

A number of fires took place in Sioux City during the summer and fall of 1914 and 1915, all of which appeared to originate in a similar manner and all having indications of incendiarism. An investigation of these fires was made in October, 1915, by Deputy J. A. Tracy with the result that he secured several confessions of complicity in the setting of at least six different fires. Arrests and prosecutions followed with the result that on December 30, 1915, Oscar D. Knudson, Bud Gath and Oscar Johnson were sent to the industrial school for boys at Eldora to there remain until they are twenty-one years of age; and on January 17, 1916, Eddie C. Thorngreen was committed to the same institution.

On the night of October 14, 1915, three barn fires took place in Sioux City. One William Tracy was suspected of setting these fires and was placed under arrest. He was afterwards taken before the commissioners of insanity by which body he was adjudged insane on October 18, 1915, and was committed to the hospital at Cherokee.

IRA, JASPER COUNTY.

On or about December 9, 1915, William Schelker was indicted by the grand jury of Jasper County for setting fire to a barber shop in Ira. This indictment is still pending.

Reference was made in my last report to indictments pending against W. T. Layton of Sigourney, Keokuk County, and Charles Namur, of Des Moines, Polk County. Layton was tried on February 23 to 25, 1915, and found not guilty by the jury.

The case against Charles Namur came to trial in the Polk County district court on April 1, 1915, and resulted in an acquittal of the defendant by direction of the court on April 5, 1915.

RECORD OF ARRESTS AND PROSECUTIONS FOR ARSON SINCE THE STATE FIRE MARSHAL'S LAW WENT INTO EFFECT, JULY 4, 1911.

	Lust 6 Months of 1911	1912	1918	1914	1915	Tota
ersons sentenced to Penitentiary.	3		Б	6	4	1
committed to Industrial School				2		
lospital for Inebriates	1	-	2	4	3	1
entenced to jall.	1	1	1	2		
Pined	1		*****	*****		
Deported	******	*****	1			
Paroled by the court after sentence.	******		9	2		
ndicted, cases pending		1	-	2	5	
functed, cames bending		-	-		-	-
Total	6	10	32	18	22	
noted and negotited	0		3	1	0	100
Fried and sequitted.				1	1	
Dismissed by county attorney	1	3	2	6	2	
Died in jail before final action.			*****	1	****	
Arrested, held to grand jury but no indictment			3			
returned	-	-	0	-	9	
Total	3	3	8	.0	15	
Total prosecutions	-	13	20	27	37	1

LAW REVISION AND ENFORCEMENT.

The laws of our state relating to the punishment of arson and other criminal burning should be carefully revised and the punishments provided for graded, so as to more adequately fit the crime or degree of crime than they do at the present time.

Juries not infrequently fail to convict of the crime of aron or of setting fire to injure the insurer not because there is any real doubt in their minds as to the guilt of the defendant, but because if found guilty of the crime as charged, he might be sentenced to the penitentiary for a long term of years, and this some jurors undertake to prevent by letting the guilty escape altogether.

It should always be borne in mind in the enforcement of all criminal statutes that it is not the severity of the sentence or punishment, but the reasonable certainty of discovery and conviction that deters many an evil disposed fellow from committing

We cannot, however, deny that in many localities in our country there exists a condition of helpless law enforcement. We do not punish; we do not correct—we only fume and fret and ask for more law.

Law is not self-enforcing. There must be a radical change in public sentiment touching all kinds of law enforcement. Until there is, America will continue to stand first among civilized nations in unpunished crime.

STATISTICAL INFORMATION

As a part of this report, I have appended hereto five tables as follows:

TABLE I.

The footings of this table have been briefly set out in the introductory portions of this report. By months the fire losses and the number of fires reported to this offic for the year 1915 were as follows:

Month No. of Fires	Loss
January 416	\$ 972,930
February 246	460,426
March 436	442,031
April 407	593,144
May	436,682
June 243	236,395
July 239	287,429
August	420,763
September	312,341
October 314	346,568
November 346	808,080
December 412	690,125
Total3810	\$6,006,914

TABLE II.

Table II contains a list of the kinds of structures destroyed or damaged, the value of the buildings, the damage thereto, the value of the contents, the damage thereto, and the character of the buildings.

Classified by use the ten highest classes of property affected by fires come in the following order:

CHIEF & PETH	E7 9		416			
STAT	12.1	SIL	25.	M.A.	$_{\rm RSB}$	KAT.

Kind of Structure	Number	Loss
Dwellings	1,811	\$1,023,402
Barns		579,790
Stores		1,988,754
Office buildings and offices	92	165,758
Restaurants and cafes	74	62,519
Shops	71	118,068
Garages		93,710
Automobiles		16,407
Sheds	. 48	4,090
Storage houses		110,768
Total	.3,120	\$4,163,266

Comparing some of the figures in the above table with those pertaining to the same classes of property set out in the report for the year 1914, we note the following:

The number of dwellings destroyed or damaged is 69 less than in 1914, and the aggregate loss is \$85,358 less than in that year.

There was a most encouraging reduction in the barn fires as well as in the aggregate damage to this class of property. The reduction in the number of barns damaged or destroyed was 199, and the reduction in the loss \$322,392 as compared with the previous year.

This very marked improvement can be attributed to the unusually wet summer season, the absence of many severe electrical storms, and to the greater care exercised, especially by many of the farmers, in preventing barn fires.

The number of store buildings destroyed or damaged was 5 less than that of 1914, but the loss resulting therefrom in 1915 aggregates \$282,035 more than in the preceding year.

There was an increase of 9 in the number of automobile garages burned, and an increase of \$8,020 in the amount of damage to the same.

Fifty-four automobiles were reported as damaged or destroyed, entailing a loss of \$16,407. This does not include a much greater number which were burned while in the garages and whose loss is included in the contents of the latter.

TABLE III.

This table contains a summary of the causes of the fires reported, with the number of properties destroyed or damaged from each cause and the amount of the damage to the buildings and contents. Classified in their order by number, the ten highest classes are as follows:

Cause	Number	Loss
Unknown	788	\$2,550,231
Sparks from flue	589	133,233
Defective flues	348	793,018
Lightning	201	369,721 257,130
Spontaneous combustion	189	296,028
Match carelessness	107	36,173
Children and matches	y 99 78	120,897
Defective electric wiring	73	22,498 229,307
Total	2,752	\$4,808,246

The fires reported as of incendiary or probably incendiary origin during the year 1915 numbered 99 or 2.6 per cent of the total number of fires reported, while the loss from said cause during the year aggregates \$120,897 or 2.01 per cent of the total fire loss of the state.

During the year 1914 the number of incendiary or probably incendiary fires amounted to 2.8 per cent of the total number of fires reported, while the loss from said cause aggregated 2.5 per cent of the total fire loss of the state.

Under the designation "incendiary or probably incendiary" fires are enumerated only those of which there is evidence of incendiarism.

Undoubtedly not a few of the fires whose origin is reported and classified as "unknown" are the result of design.

While the number of fires reported as of "unknown" origin is less by 181 than those that were so designated in last year's report the loss during the year 1915 exceeds that of 1914 by \$242,760.

There were 70 less "lightning" fires in 1915 than in 1914, and the loss incurred by reason of these fires was \$146,503 less than in 1914.

Compared with 1914, there is a decrease in the loss from fires caused by "sparks from flue," and a very slight decrease in the fire damage where "defective flues" is the cause. Both the number of these fires and the resulting damage is entirely too large and could be materially reduced by the exercise of greater care.

Defective electric wiring appears to be an ever increasing source of fire danger. The number of such fires reported in 1915 was larger than ever before, amounting to 73, and the resulting loss to \$229,307.

RECOMMENDATIONS.

Based upon experience during the past four and one-half years in dealing with fire causes, I would respectfully suggest the need of legislation along the following lines:

 Provision for inspection both state and local of electric wiring. This is made necessary by reason of the constantly increasing number of fires resulting from defective electric wiring.

2. The almost universal use of gasoline and the increasing menace both to property and to life resulting from such use necessitates the enactment of a gasoline storage law, or a law making it mandatory upon municipalities to make provision by ordinance for such storage.

 Standardization of chimneys, flues and roofs in cities and towns.

A law regulating moving picture shows, specifying the construction of the booth, number of exits, width of aisles, seating, etc.

Provision for the inspection of gasoline and carbide lighting systems.

6. Inasmuch as fully 90 per cent of the fire alarms in all cities and towns are given by telephone, there is need of a law prescribing the duties and responsibilities of telephone companies and operators in the matter of receiving and promptly turning in fire alarms.

7. My deputy and assistants have rendered diligent and faithful service. Had I the means to employ more men, the work of inspection could be greatly enlarged and that of investigation be made more thorough and effective. To this end I would urge an additional appropriation for the support of the department by the next general assembly.

TABLE NO. L.

SHOWING NUMBER OF FIRES REPORTED BY COUNTIES AND CITIES OF MORE THAN 18,900, VALUE OF BUILDINGS AND CONTENTS INVOLVED, DAMAGE TO BUILDINGS AND CONTENTS, TOTAL INSURANCE ON BUILDINGS AND CON-TENTS, NUMBER OF FIRES PARTIALLY COVERED BY INSURANCE, AMOUNT OF EXCESS OF LOSS OVER INSURANCE, NUMBER OF FIRES AFFECTING PROPERTY WITHOUT ANY INSURANCE AND TOTAL LOSS UPON PROPERTY NOT COVERED BY INSURANCE.

Counties and Cities of 10,000 and Over	No. of fire	Value of buildings and contents	Damage to buildings and contents	Yotal insurance on buildings and con- tents	No. of fire partially covered by insurance	Exerce of lose over	No. of fire actiont	Loss
Adair	31	9 79,500	8 45,538		16 8		1	
Adams	. 8	48,450	22,355	29,100	A .	5,835	1	1,000
Allamakee	20 76	46,600	17,171	25,291		3,494	2	1,510
Appanoose	18	185,00q 60,178	19,011	123,765 27,000	10	28,141 12,107	3	2,300
Auduhoo	20	138,350	61,415	77,850	10	14,401	1 2	5,780
Beoton Black Hawk-	400	100,000	100,000	11,000	-	14,401	1 4	
Weiering	66	704,775	166,712	519,500	16	24,883		\$50
Co.	17	54,400	18,931	33,749	5.	4,801	1/	1,900
Boons Boone	-28	214,700	26,758	108,629	7.1	5,388	2	160
Bal. Boone Co	15	32,675	16,000	25,050	T B	5,425	4	3000
Britoit	32	147,300	39,587	71,401		9,491	I	312
Burbatian	16	48,606	22,684	28,960	10	5,185	2	125
itoms Vista	.15	123,260	59,679	79,900	7	12,010	1	
Butler	19	15,841	21,576	9,330	11	5,362	0	1,631
Calhonn	21	97,545	24,910	35,249	B.	8,156	2	510
Carroll	20 51	79,345	\$0,108 115,866	46,047 167,090	10	17,783 37,265	8	1,675
Celar	12	40,675	8,201	16,000	6	2,600	3	42
Carro Clorde	43.	40,015	0,001	20,000		WANTER	9	- 44
Meson City	57	497,585	98,119	212,615	7	1,655	1 3	95
Bal Cerro Gordo	-	age Armen	1007.100		181	*1000	171	. 44
Co	18	28,816	25,042	18,548	11:	8,780	4	2,005
Cherokee	18:	187,550	35,000	88,000	11	0,630		
Chicknew	12	22,115	10,754	23,175	6	2,965	3	373
Clarke	16	32,490	14,571	38,065	#	6,855	11	500
Clay	17	42,935	9,444	24,007	5	7,429		561
Sayton	23	55,835	30,784	20,100	15	12,311	2	225
Clinton-Clinton	30	666,565	273,579	436,350		43,110	7	3,985
hal Chuton Co	11	32,880	18,088	18,975	6	8,495	1	.00
Crawford	15	33,374	36,347	18,286	5	7,463	5	3,378
Dallas	34	214,448	24,240	26,874	18	9,090	2	2,879
Bestur	28	47,810 96,600	65,550	80,250	20-	21,530	1	1,060
Delaware	19	55,540	20,765	26,825	16	111,435	1.71	2,000
lies Molnes-	40	and the same	400,000	407,000	400	-	1	
Burtington	56	485,644	129,591	356,000	15.	4,779	8	. 975
Bat, Due Motney		-			-	-	17	
Co	14	28,040	21,835	8,338	8	0,880	-	
Nektoson:	12	51,000	30,535	23,770	5.	17,500	1	200
Doboque Dirhuque.	591	2,179,799	220,580	1,507,580	11	39,550	- 8	11,000
Bal, Dubuque Co.	12	44,999	30,671	17,147	8	9,502	1	250
Enemet	21	48,085	12,441	25,250	9.	6,885	4	3,910
Payette	40	284,335	89,765	150,875	11	9,739	8	5,430
Prophing	15	54,000	28,065	37,500	9	7,540	****	2 /10
Franklin	12	22,850	17,080	9,270		9,210	3	1,410
Fremont	26	69,318	56,819	97,515	20	26,910	2	7,000
Grundy	7	142,690	104,785	98,145 12,700	2	5,000		1,000
Gothrie	21	16,950 39,345	20,554	92,970	16	13,005	1	95
Hamilton	30	270,250	177,846	120,750	10	30,760	5	24,300
isneock	10	41,140	17,398	22,873	0	6,725	1	000

TABLE NO. I-CONTINUED.

Counties and Oftics of 10,000	Tires	Culidings and	contents	rance on and con-	live partfally by insurance	loss over	w without	
and Over	No. of fir	Value of the	and con	Total insurance of buildings and co tents	No. of Hi covered b	Excess of h insurance	o, of fires	
		-	A	H	S.	14	No.	3
Hardin	28	105,706	51,425	50,065	16	22,706	1	-
Harrison	13	244,510 17,717	166,707 15,804	121,735	15	75,360 7,350	8	11
Howard	14	.50,535	17,573	28,650	7	7,830	4	4,4
Humboldt	9	19,290	8,209 9,100	12,285	2 4 1 12 19	1,880	8	- 6
lowa	20	17,975 23,535	8,931	10,717	1	5,875	1	1,9
Jackson	27	135,050	69,797	77,400	12	26,460	4	2,2
Jasper	48 15	32,475	78,609 12,134	91,284	19	35,160	4	3
	10	92,479	35,100	20,535	6	2,650	1	1
Iowa City Bal. Johnson Co.	19	83,050	18,215	49,300	5	1,100	1	1
Inl. Johnson Co.	16	45,945 27,270	29,807	29,603	12	0,807	1:251	
Keokuk	24	48,615	13,920 19,100	131,650 22,357	9	5,670 10,088	1 6	2,3
	24	81,470	28,380	41,255	17	10,755 746	i	1
Keokuk	25 60	170,360 820,960	36,291 53,195	117,506		746	18	3
Bal Lee Co	14	25,848	23,073	578,000 18,875	8	5,648	2	1,6
Jnn-						ntons	1	-
Cedar Rapids	199	862,065 51,545	187,388	576,903	5	27,594	17	1,1
Bal. Linn Co	20	51,545	8,926 37,530	28,120 27,845	11	3,630	1	-
Latena	51	61,380 161,970	60,132	105,649		18,600	5	2.5
Lyon	34	23,657	8,790	13,400	6	4,852	5	2,5
Madison Bal, Mahaska Co.	19	43,825	13,915	27,700	9	3,485	1	
Oskaloosa	39	52,555 154,850	40,007	105,675	4	2,615	3	1
Bal, Mahaska	. 23	72,555	42,625 59,586	25,225	15	18,890	5	1.0
Marion	48	137,508	59,586	86,450	14:	14,917	6	1.9
Marshall-	81	386,150	98,300	259,000	4	2,470	2	
Marshalltown Bal, Marshall Co.	8	23,550	11,585	13,990	. 6	4,330	1	3
Mills	16	32,325	22,217	16,500	11	8,000	2	1,1
Mitchell	14	70,975 41,950	85,062 5,218	45,800 16,400		10,175 2,855	1 1	1,1
Monroe	40	356,454	63,279	189,775	12	9,335	4	2.4
Montgomery	41	136,375	59,785	78,875	17	24,555	9	5,5
Muscatine-	43	136,275	29,161	73,950	13	9,764	0	5
Muscatine Bal, Muscatine Co.	40	200,000			100		1 "	
Co	13	26,240	17,765	17,220	9	6,545	-	-
O'Brien Osceola	8.	20,950 13,842	1,867	12,800 5,500	4	1,880		*****
Page	40	110,048	85,005	68,580	34	10.244	3	- 8
Palo Alto	-95	75,610	14,806	46,700	8	5,940	7	1,5
Plymouth Pocabontas	31	108,130	48,923	75,260 4,718 3,376,060	12	5,940 12,361 700	5	- 1
Polk-Des Moines	431	10,518 4,945,795	2,205 283,362	8.376.050	205	0,001	47	4,5
Bal. Polk Co	43	122,808	51,138	79,433	18	11,175	1	2
Council Bluffs	80	579,700	48,629	402,500	16	4,180	10	
Bal. Pottawat- tamie Co	21	71,835	26,972	58,988	8	6,211	0	1,9
Poweshiek Ringgold	34	124,530	10,860	50,007	6	2,775	0	81
Ringgold	23	34,810	23,048	19,368	14	9,508 8,225	1	, N
Scott-Davenport	14 174	72,605	26,272 428,275	48,000 608,105	8 7	1:414	99	- 01
Bal, Scott Co	21	50.900	34,320	22,540	15	14,755	2	1,5
Shelby	16	29,350 47,240	17,104	16,724	7 9	14,755 4,795 6,300	7 2	2
Sloux	15	47,240 85,092	16,065 33,845	25,815 41,960	16 7	15,000	3	12
Tama		115,550	28,255	68,900	7	12,115	1 6	1.2

TABLE NO. 1-CONTINUED.

Counties and Cities of 10,000 and Over	No. of fires	Value of buildings and contents	Damage to buildings and contents	Total Insurance on buildings and con rents	No. of Dies partially coveres by inservice	ar of los	No, of first without	Low
Taylor	18		40,084	42,790 110,302		7,878		109
Van Buren	15	40,739	29,156	29,790	16	13,630	2	618
Wapedo-Ottomwa.	67		35,810	285,375	- 5	13,714		850
Bal. Wapello Co.	21	28,965	24,195	21,790	13	6,460		70
Watten	22	45,409	21,996	24,678	11	10,254	î	730 120
Washington	37	81,780	23,743	44,245	8	5,452	7	1.792
Waytin Webster-	44	96,181	01,686	50,582	22	21,543	7 1	2,375
Ft. Dodge	42	554,515	211,904	375,710	- 6	54,782	8	
Bal. Webster Co.	20	55,075	26,310	20,420	13	10,705	9	247
Winnebago	19	130,740	47,100	82,000	- 0	21,196	1	1,685
Winneshiek	14	62,800	26,223	32,000	- 9	8,435	1.	1,080
Sloux City Bal. Woodbury	229	2,951,852	260,028	2,285,007	34	5,984	26	8,756
Co.	20	84,500	45,649	54,225	111	10.000	182	4.55
Worth	8	97,330	0,070	15,800	4	15,053	1	2,900
Wright	18	70,950	17,733	38,860	10	3,033	7 3	630
market 1	-		District Street	-	1	7,2240	.0	1,050
Totals	3,810	\$25,811,BS0	\$6,006,914	916,814,545	1,189	8 1,895,748	444	8 170,473

TABLE NO. II.

SHOWING THE NATURE AND CHARACTER OF THE BUILDINGS OR PROPERTIES DESTROYED OR DAMAGED. THE VALUE OF EACH, THE MAAMES THERETO, THE NALUE OF THE CONTESTS OF RACE THAN THE BAMAGE THERETO, THE KIND OF MATERIAL OF WHICH EACH WAS CONFRIDCTED AND WRETHER THE LORD NATERIAL.

		Bulldings	sau.	Con	Contents		Chan	Character of Buildings Affected	Bullding 1	ags Affe	trul	
	oult to		ožre	-	alle		- 1	30038	Loss on Bubdings	no ings	Los	Loss on Contents
	.ox	winV	Dem	winV	Date	Moon	Dries	in () em	Total	Partial	Total	Partia
Amphitheater	1.8	000	9 000			1	-	The second	**		The state of	
Asphalt plants Automobiles	mg.	67,730	16,347	147,000	8 19	42.			24	-B-		-
Auto storage Bakeries	-4:	94,000	8,630	80,178	17,990	- 10 -	90 1		1	- 21	***	-
Barts Batta houses	19*	375,890	344,064	250,006	200,730	200	- 00	7	· N	108	100	30
Bottling works	B1 et 8	150	900	200	1,300	104	1		1	(44)		
-	1013	15,700	8	2 100	1	in.	- 24		1	191		********
Bunk	2 101	300	000	100		***			1.00	24	100	
Flat cars	H et	1,600	369	817	811	11 11			7			
Hay ear Befrieerator ear	-	1,200	100	300					1		1	
Stock car Street cars		16,150	28	808	1					27		
	Ne	2,000	2 2			ti m			1	Nec		
Oamp and cook wagon. Carpet deaning setabilatment.		1,700	282	1,000	80	-	1					
Number house	700	135,960	75,000	28,500	34,420	100	7	I	*	127	*	0
The state of the s	* E 4	111,830 111,989	100 m	20,473 11,440	1,760	***	8		-	210		724

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-	1	Щ														*6
																100
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8-	10		ing.	*	-		-		1		11-		IIII	-111	11-	- 9
_	1	ton-	900	888	991	1841	5112	828	100	900	8118	900	888	0 00	8.8	120
8	6110	He.	125							411						5 25 G
3,000	6.63	11	N.			10.00	-	130		-	9.5	15,	19,300	0,00	n,	2
200	14,600 6,53	3,411	a	120		888	888	1180	115,000	881	288	18,	20,000 19,000 22,000 19,000		3,000	180,130 64,
•	900	900	57,073 ED.	120	1,100	888	888	888	100	881	20000	15,000 15,		1,000	3,500	29,180 180,110 64,

Notice and coloure describes the control of the coloure plant foods to be coloured by the colo

TABLE NO. II-CONTINUED.

		Bulldings	191	Contents	note		Char	aeter of	Character of Buildings Affected	gs Atte	ted	
	mili		53		n2		-	10 10016	Loss on Buildings	no the state of th	Cont	Loss on Contents
	to .oz	sols V	Dames	enta V	Dame	boo W	astell	Oeme To	Total	Partial	Total	Partia
Granaries and corn cribs.	n-	4,965	1,000	2007	1,92,1	2"			2	1	* 12	
Hen bouses	22.	3,696	2,365	2005	55	0 ×	li		in st	25 51	2.4	
Hog houses Hole and fur bouse.	t midity	20,000	8,110	12,760	2,550	-	en a	24	M	"满	1	-8:
Apartment	a Si	122,300	1,000	17,100	5,390	0.11	Sa-			an.	•	
Boller house	1,811	+05	740,941	1,296,712	100	1,740	82	s	286	32.	100	8 -
Rooming houses	192	-	2,300	1,710	1,684	920			10 10	1000	4.11	
	010-		2,750	1,800	2,000	75	**	-	*	-		
Laboratory for serum experiments.	-45	28,400	9,000	22,300	14,448	19.1	m 64		0	0 0	Stee	
plants		11,000	25,000		9,489	11.01	100 FT		r4 (6), pr	dre	10.50	
Ledge halls and club houses. Lumber yards	20 41		8,035 8.035	"	178,189	2 27 2			-	St er		
Machine and implement sheds.	0.00	8,000	5,410		11,006	in .	-113		10		19.	- ma
Motion picture film exchange	***		2,880	18,769	4,800	es	11		1	10		-
	nan		1,000	1,390	1,000	18	0 1	"			n	r-g-
Nurse's home and offices.	H.	Ä	214,167	5,000	610		-		**	N N		

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H West Made	4620HB00	Taffices on unusua	megn e
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			neenge
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1,000 1,000	STATE OF THE STATE	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		20 20 20 20 20 20 20 20 20 20 20 20 20 2	
titis (1884) Ilitaria Il	reserved res	leaf-reconstruction of the control o	er houses houses parks parks flay storage Art storage Art storage
*********	Post offices Printing an Printing an Printing an Print bornes Restaurants Sahoons Senitariums	Sheds Sheds Co	

TABLE NO. II-CONTINUED.

Add supply stores Add suppl		,	Bulldings	100	Contents	nte		Char	acter of	Bullille	Character of Bublings Affected	cted	
Company Comp		1911 1c		sidy		121	,		90035	Loss	100 IDE	Los	s on tenta
Comparison Com		No. 0	outaV	Dem	Value	Dame	200A	Brick	Ceme	Total	Partial		Partfal
1 12 12 12 13 13 13 13	Aulo supply stores	- 1			29,000								
Column C	Candy stores	b	22,300	2,077	13,400		24	13			9		
10 10 10 10 10 10 10 10	7	1	12,000	230	2,500	300		-			1		
15 15 15 15 15 15 15 15	1	in	22,300	461	8,200	3,410	in	01		-	92	1	
1 1 1 1 1 1 1 1 1 1	Clothing stores	81	180,500	9,094	561,556	103,441	********	81			10	Special Section	
10 10 10 10 10 10 10 10	Drug stores	18	148,000	21,770	180,904	84,791	0	12	-	12	11	94	
Column C		tu i	279,000	1,815	542,500	43,333	-	-		-	0 -	-	
Column C		-	20,030	600	14,000	8,700	-	4.0	**********	************		******	
1 1 1 1 1 1 1 1 1 1	Plotte and food stores	0.00	10,000	12 805	11 900	0.400	×						
10 10 10 10 10 10 10 10	Fruit stores		7 200	113	8.000	200		-			100		
1,000 1,00	Furniture stores	90	181,930	50,088	148,280	78,025	110	10			E	9	
1 20,000	Furniture wholesale	1	11,000	11,000	40,000	40,000	1			1		-	
F FOUT. 17 22 000 16 000 18 000	General Miles, stores	80	505,550	135,419	1,024,140	506,720	99	31	-	te	38	n	
1	Gines and mirror store		9,000	Note	16,000	3,000	-		-		-	and or man	-
1 1 1 1 1 1 1 1 1 1	Grocery stores	02	242,030	16,503	181,630	24,098	8	17	-	-	4	0.1	
1 1 1 1 1 1 1 1 1 1	Grocerics-wholesale	01	93,000	100 to	1,045,000	200,007	-	20	-	10.5	99.5	ec e	
1	Hate wholestle	1-	90,000	0.000	87 000	17 836				1	1		
Section Sect	Implement stores	11	27,130	39,763	20,000	20.880	0	. 21					
1		*	12,300	3,850	48.930	5,611	71	10		1	-		
1 2 2 2 2 2 2 2 2 2	Ladies furnishing	21	20,000	300	20,000	2,500	***************************************	-	-	-	89		
1 1 1 1 1 1 1 1 1 1	Leather goods stores	**	2,000	3,000	17,000	4,813	********	Pi	-	-	-010101		
1 0 0 0 0 0 0 0 0 0	pumpent.	20	2,500	10	5,000	30		1	-	-	-		
1,000 1,00	Ment markets	99	96,000	4,992	23,256	4,803	6	-		**	=	1	
	Meats-wholesale		2,000	200	2,000		-	-	-			-	
1 10 10 10 10 10 10 10	Military stores	5.1	20,230	2,000	21,000		0	11		×	21	-	
1,000 (00 1,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Novelly stores	0 0	10, 100	4,934	A 900			0.0			0.0		
1	Poultry and egg house	ini	4,500	925	4,000		21			1	1		
22,000 2010 10,000 10,0	Rug stores	96		-	25,000		-	dit.					
1 00,000 1,000 00,000 00,000 00,000	fined storm	911	72,500	200	14,000			911			1	Ī	
	Shore wholesake		30,000	1,078	00.000	0.400	-				2 2		

				* 1		779 1,821
H		- 0 H	nn	0.10		2,277
			-	- 2		1,162
111		CAUVAS				21
		in.	*	1		SEED
	19.514	de e	er ee 21 e	200		3,115
A, 1112 2000 212	10,334 1000 1001	13,000	000 1000	15,175	811	\$ 3,338,062
2,000 2,000 1,000	11,000 11,000 10,000 10,000 10,000	15,400	2,175	29,800	3,000	811,106,836
		1,300	1,500	8,342	300	\$14,612,573 \$ 2,668,832
15,000	4,300 5,000 100,800 640	1,300	38,00	1,000	50,600	F14,612,573
Enni	M-Water,	ğuwa	+==	D ea		4,639
1111	IIII				-	********

TABLE NO. III.

CONTAINING A SUMMARY OF THE ORIGIN AND CAUSES OF THE VARIOUS FIRES REPORTED, THE NUMBER OF EACH, AND THE DAMAGE TO THE BUILDINGS AND CONTENTS SPECIFIED BY CAUSES.

Origin	Number of fires	Dumage to buildings and ton-
Acetylene explosion	1 348	F 100
Actylene explosion	1	750,018
Adjoining fires Alcohol inum Ashes against wood Ashes in basement	10	0,718
Ashes in basement	1 2	2,300
Asbes in basement Asbes in wooden receptacle Automobile of motorcycle backfire	29	14,400
Baby carriage against store	1	13 12
Blacksmith forge	10	4.2%
Bow toreh Boller too near wood	1	200
Boller too near wood	29	13,600
Bonfires Burning brush and leaves	1	1,000
Burning insects in hen house	3	
Burning brush and leaves Burning Insects in hen house Burning meadows or grass Burning rubbish	16	7,007
Candle earelessness Candy boiling over Chemical explosion	10	1,485
Cande bollog over	1	2,000
Chemical explosion	3	30
Chini putting electric ngut in bed	78	12,496
Children and matches Children playing with fire Christmus trees and decorations	6 5	1,43
Christmas trees and decorations	1	1,60
Clothing on hot air register	25	1,37
Clothing near gas or gasonne stove	20	6,77
Coffee urn in restaurant	1	. 6
Christmas trees and decorations Ciothing on hot air register Ciothing near gas of gasolite stove Ciothing or rags near stove or stovepipe Coffee urn in restaurant Cotton ignited by sun's rays through window Curtains blowing into flame	10	9,64
Defective electric wiring	78	129,30
Defective electric witing	15	200,72
Defective flues Defective furnace	15	50,64
Defective furnace Defective gas heater Defective gas meter Defective gasoline engine	3	25
Defective gas meter	- 8	- 12
Defective gasoline engine	12	35,78
Defective gasoline eagine Defective gasoline lighting system Defective not air pipes Defective oil or gasoline stoves Defective oven in bakery.	25	2.60
Defective not air pipes	200	
Defective oven in bakery	34	5,23
Defective stovening	10	11,48
Electric from carelesaness Explosion of alcohol Explosion of electrical automatic photograph machine Explosion of keroacie can Explosion of mill dust Explosion of roofing paint	6	
Electric from carelesaness	1 1	
Explosion of electrical automatic photograph machine	2	2,2
Explosion of kerosene can	1	25
Explosion of rooting paint	1	11
Explosion of mill dust Explosion of roofing paint Explosion of soldering pot Explosion of traction engine	1	1,3
Filling lighted alcohol stove	18	
Filling lighted alcohol store Pirevorks Friction of machinery	1	- 6
Pumigation	1	1.3
Purnace explosion	16	
Piretons Fundation of machinery Fundation of machinery Furnace explosion Furnace or pipes too near wood Furnace or pipes too near wood Furnace or pipes too near wood Furnace or pipes blow out in picture booth	1	-
Gas explosion Gas or electric beater pear woodwork	1	1.5

TABLE NO. III-CONTINUED.

Origin	Number of fires	Damage to buildings And con- tents
One or gasoline jet flame Gas iron carelessness	9	5,068
	2 6	420
Our stove too near wood	1	14,800
Gas tank explosion Gasoline carelessuess	21	21,349
Gasoline eleaning with Gasoline drain pipe in boiler room	9	1,100
	200	20,000
Gasoline iron explosion	- 2	27,900 1,100
Casoline http:	2 6	55
Gasoline or oil stove carelessness Gasoline or oil stove explosion	19	13,873
traspille torch	67	23,787
Greaw on store	7	491
Heating paint on stove. Heating linered oil on stove. Hot iron against wood	1	00
Heating linseed oil on stove,	î	1,800
		45
Incendiary and probably incendiary	90 10	129,897 5,208
Jack-o'-lantern	1	25
Kersene bear stove Khidling or wood near stove or furnace	1	19,720
Lamp or lantern carelessness	9	11,415
Lamp or lantern explosion Lamp or lantern upset	29-	22,388
	10	2,015
Lany mer, win gasonne leak joint in automobile leak in paint mixer in paint factory Liphting Live roal carelessness	4	1;450
Lightning	201	23,000
Live coal carelessness	7	5,514
Live coals dropping from grate or stove	6	405 15
Match carelesenese	107	26,173
Metal in grain Motion picture films	1	6
	9	5,399
Of heating store enrelessness	2	502
	1 0	900 0,430
Overflowing prieses on auto	26-1	1,070
Overbeated auto over in factory Prechestal holler	1 7	1.430
Overheated halter oven in factory	1	251,000
	1	1.005
Overheated emorale	1	750
Descheated engine exhaust Descheated feed coules	2 2	907
Drefting fad foot	2	237
Organization of Plants	1 7	11,409
Perheated furnace Perheated furnace Perheated glue poet on fire Perheated by Perheated kilo Perh	89	29,910
Perheated bot air pipes	13	3.689
Perhanted kiln	1	20,000
Werhented steam name of auto	1	100
Prefigured stove Prefigured stove pipe Prefigured water base Prefigured water base	64	261 47,929
Overheated stove pipe	17	6,835

TABLE NO. III-CONTINUED.

Origin	Number of lifes	Damage to buildings said con- tents
Paper or rags in fine hole Papers on stove	2 1	000 100
Rubbish in basement	7	14,000 20
Salamander Smoke house fires Smoker's carelessiess Smoking out bees Sparks from eupoia. Sparks from electric motor Sparks from fleeplace Sparks from motor fleeplace Sparks from gasoline engine Sparks from gasoline engine Sparks from gasoline engine Sparks from botomotive Sparks from botomotive Sparks from manuer Sparks from stove Sparks from type metal melter Sparks from traction engine Sparks from traction engine Sparks from type metal melter Sparks from traction engine Sparks from	1 13 67 4 1 1 2 2 1 1 2 2 5 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2	\$20,000,000,000,000,000,000,000,000,000,
Stove poilsh Stove too near unprotected wood Stavepipe too near unprotected wood Stove upset Stovepipe through wall or roof Supposed mice and matches.	1 20 8	12,071 \$86 6,500 10,000
Tailor's fron earelessness Tar kettle Thawing frozen water pipes Tornado overturning house Tramps	1 1 10 1 16	500 600 6,304 1,500 20,735
Unknown	788	2,600,000
Varnish on or near stove	2 5	145 4,133
Total	#,810	8 0,000,554

TABLE NO. IV.

GIVING THE CITIES AND TOWNS IN WHICH INSPECTIONS OF DILAPIDATED BUILDINGS AND INFLAMMABLE CONDITIONS HAVE BEEN MADE DURING THE THE 1903, THE NUMBER OF PLACES INSPECTED AT EACH POINT AND THE NUMBER AND KIND OF ORDERS ISSUED IN CONNECTION THREEWITH.

City	Date	No. Inspections	Remove	Brpair	Change	Cleanup and ropair	Cleanup
flet	Oct. 8	1 ,	1	1			1
krou	June 24	n			-		
ibla	Sept. 17	3	-				
ldenhrens	Dec. 11. March 16	ő					
mentic	Feb. 15	5			. 1		1.000
tiantic	June 30	1	-		77777	-	
tiantic	Aug. 4.	i				-	
abura	April 9	1			. 1	***	-
Itooba	Jan. 30	1	1				-
axter	April 20						
edford	April 20						
lakesburg	Dec. 7	2					
ousparte	March 10	-	3				
00Df	April 15.	3	1 2		-		
0008	June 29.	1	1	1	1		
ridgewater	Nov. 9	18			3		******
ritt	Oct. 6	-2					
rooklyn	March S	1			. 1	ERMO	-
HINDENON	April 15	1		-			
antril	May 26	1	1				
antril	Nov. 12	-		1	-		*******
siar Palls	Tune 24	1		1		20.70	
	Dec. 2	******	1				
interville	April 28	3	3	*****		*******	******
STREET, CALL ASSESSMENT	Feb. 26	8	1	******	2		
iariton	April 27	15	100			******	
inries tity	June 99	3				*******	15
arksville Junetion	Feb. 19	(4)			4		mont
rydon	Ang. 17.	6	******	4			
smell Bluffs	April 7	1		******			LPSC10
	June 25	22				-	1
and Buffs	Aug. 5	2.1	1	1	8	*******	9
Das	Petr. 9	4				******	
mar	Dec. 24.	1				*******	1
mar annerion	May 22	4	2	++=+	-	*******	1
HINDER THE PARTY OF THE PARTY O	Oct. 14.	8	2		*****	*******	
	Jan. 21	1 .			************	1	
And of the last of	Jan. 29	1.	-				
Molnes	March 5	1	******		1	2000	
Molnes	April 6	1 .	******		*******	1	*******
- MEDITION	March 19	10	3	*******	*****	****	
of the second	March 23	3	1		1		1
Molner	March 26	1	*			Section 14 h	1
Malor	May 5	2					******
Molnes	May 22		1		-		*******
Molnes	July 23.	1.			1		******
	lug. 2	T.	******		*****	*******	******
	Aug. 11	6		*******	6		1
Molan	rns 13	1		1	4		
	Vov. 24	il					-
	Dec. 18						

TABLE NO. IV-CONTINUED.

City	Date	No. Inspections	Remove	Repair	Change	Cleanup and repair	Cheanign
Eldora	July 16	1 6 2			z 1		
Forest City Fort Dodge Fort Dodge Fort Dodge	June 29 March 17 July 15,	4 2 5		ī	1 1 1		
Guthrie Center	April 22				1		
Hawkeye Hedrick Hudson	May 20	4 9 1 6	2	1	2 1 1 2		7117
Iowa Falis	Aug. 96.	2			1		
Jefferson	July 14	3					
Knoxville	Jan. 6	3	3 2	*******		2	
LaPorts City	Aug. 18	4	2		i		
Linden	Peti, 10 Dec. 13	1	1		-	1	
Madrid Mapleton Mapleton	Sept. 24	1		1	1		
Marshalltown Marshalltown	May 25.	1	1				-
Marysville Mechanicsville Melcher Menlo	Feb. 9.	1		1	1 1		
Meriden Meservey Modale	May 20 Oct. 7	4 4 1	1 1	warrant.	1	i	
New Sharon	Oct. 19	4		1	4		
Newton	April 9.	8		. 1	9		-
Osceola Osceola	April 20 June 3 Oct. 9	19 11 9	1	Commercial	3 3	1	
Oseian	July 2.	2		-		1	
Ottumwa	Jan. 23. Oct. 6.	1		1	1		
Paton Persia Pleasant Plain Postville Prairie City	June 25 Nov. 23 Nov. 6 Sept. 23 Aug. 17	1			1	1	
Red Onk	May 16	16		. 2	3		

TABLE NO. IV-CONTINUED.

City	Date	No. Inspections	Remove	Repair	Change	Cleanup and	Cleanup
Strawberry Point Struble Sutberland	June 22. May 20. Feb. 10. Feb. 20. July 5. June 23. Aug. 4. May 25. Jan. 18. May 26. June 28. June 29.	5 2 1	0	1	1		
ripton	Nov. 5 Oct. 14	1	1				
Falley Junction	March 1	6			2		
Waterloo Waterloo Waterloo Waverly	Nov. 8 May 19 June 83 Nov. 1 Feb. 19	1 4 2 3 1 1 1	3 2 2				
Vehster City	March 18. Nov. 22 Sept. 23.	1		1	7 5 5 7 6 1 5		
Totals	TO SHAP THE STATE OF SHAPE OF	420	88	87	104	34	139

TABLE NO. V.

GIVING PLACES AT WHICH INVESTIGATIONS OF FIRES OF SUSPICIOUS ORIGIN HAVE BEEN MADE DUBING THE YEAR 1915, AND THE DATE WHEN SUCH INVESTIGATION BEGAN.

County	Place	Date Communicing Investigation
Adalr	Greenfield Bridgewater	August 11 November 9
Appanoose	Centerville Near Unionville Cincinnati Plano Darbyville Centerville Numa	Jube 10 July 8 July 20 August 23 September 16
Audubon	Exira	September m
Beuton	Blairstown Blairstown	April 14 October 14
Black Hawk	Waterioo Cedar Falls Waterioo Waterioo	April 30
	Boone	
Buena Vista	Storm Lake	
Cass	Washington TownshipAtlantic	May 5
Cerro Gordo		Avenue Mi
Chickasaw	Alta Vista	October 5
Clarke	Osecola	trovenion to a so
Crawford	Deloit	
Dallas	Bouton	A DESCRIPTION OF THE PROPERTY
Davis	Bloomfield	
Decatur	Grand River	June 5 December 6, 1, 8
Delaware '	Oneida	September 9
	Burlington West Burlington	Market State of the State of th
Dickinson	Milford	August 4
	Dubuque	November 2
Payette	Oelwein	Pebruary 18
	Hansell	April 5

TABLE NO V-CONTINUES.

Counts	Place	Inte Commence, Investigation
Fremont	Sidney	March :
		April 34
		March :
	Bayard-3 fires	
	Webster City	
	Alden	
	Missouri Valley	
Hints	Wayland Hillstore	Pebruary II
	Winfield	October 27 November 9
Humbold	Pioneer	December 19
Terrain .	Marenge	
Inspet	tra	December 22
Foliments	lowa City	
	What Cheer-2 fires	
Kownth	Lotte Cred Township	
FORMITO	Swea City	
Lie	Montrose	Pehrouse s
100	Fort Madison	
1.ms	Springville Walker Cedar Rapids Cedar Rapids 4 fires	January 13
	Walker	March 20
	Cedar Rapids 4 fires	April 22
	Cedar Rapids Cedar Rapids Cedar Rapids	May 31
	Cedar Rapkis	October 4
	Columbus Junction	
	Chariton	
Madison	Macksburg	September 22
Mahuska	Oskaloosa	March 10
	Oskaloosa Oskaloosa Rose Hill	
Marken	Dallies	Pebruary 9
	Hamilton	March 4
	Knoxville Hamilton	
Marshali	Marshalltown	
	Near Mapleton	
Monroe	Albia	
	Buxton	January 6
	Albia	Techno (01)
	Buxton Melrose	September 17 October 8
Montgomery	Grant-10 fires	
Page	Norwieh	March (
Pain Alta	Emmetshurg	June 19
Piymonth	Le Mars	January 14
	Akron Akron	March 2
	Akron	

TABLE NO. V-CONTINUED.

Polk		
The state of the s	Walnut Township	January 20
	Des Molnes	Pebruary 2
	Des Moines	February 17
	Des Moines	
	Des Moines	May 5
	Des Molnes	May 11
	Des Molnes	
	Des Moines	
	Des Molnes	May 18
	Des Moines	
	Des Moines	July 20
	Des Moines	
	Des Molnes	September 25
	Des Molnes	
	Des Moines	December 10
	Des Molnes	
Pottawattamie	Council Bluffs	April 7
The second secon	Council Bluffs	August 15
	Council Blufts	September 7
	Boomer Township	November 33
	Council Bluffs	
Kan	Schaller	September 15
Help assessment of the latest	Sac City	September 18
	Davenport-2 fires	April 12
Scott	Davenport	April 19
	Davenport	July 7
	Bettendorf	September 1
	Greeley Township	April 1
Shelby	Portsmouth	November II & II
Tama	.Tama	December 29
WI	Blockton	November 1
Taylor	Gravity-2 fires	December 8
	Maloy	December 10
W. C.	. Creston	
Van Buren	Bentonsport	June 9
Maria and an artist of the same of the sam	. Ottumwa	January 11
Wabello		
	Near Ottomwa	October 6
	Kirkville	December 8
	Mary Western	Arcril 14
Washington	Near Washington	November 8
	Riverside	A STANSACTOR OF THE STANSACTOR
Wayne	- Rumeston	September 14
	Porest City	December #7
Woodbury	Sloux City	January 15
arthurstern	Sloux City-2 fires	August
	Sloux City—2 fires	October II
	Sloux City—s area	October 27

STATE OF IOWA

1916

REPORT OF THE

STATE FIRE MARSHAL

FOR THE YEAR 1916

OLE O. ROE State Fire Marshal

THE STATE OF IOWA
DES MOINES