State of Iowa 1923

TWELFTH ANNUAL REPORT

of

STATE FIRE MARSHAL

FOR THE YEAR 1922

J. A. TRACY
State Fire Marshal

Published by THE STATE OF IOWA Des Moines

LETTER OF TRANSMITTAL

Des Moines, Iowa, February 15, 1923.

HON. N. E. KENDALL, Governor of Iowa:

Sir:—In compliance with the provisions of law I have the honor to submit herewith the twelfth annual report of the affairs of this office covering the period beginning January 1, 1922, and ending December 31, 1922, both dates included.

J. A. TRACY, State Fire Marshal.

STATE FIRE MARSHAL

Appointed by the Governor. Term, Four Years. Expires July 1, 1923.

Office	Name	Legal Residence	Birthplace
Fire Commissioner Deputy Assistant Deputy Assistant Deputy Stenographer and Clerk	J. A. Traty E. J. Frowick W. C. Rabbitt J. C. Milner, Jr. Laura M. Pedersen	Saux City Des Moines Des Moines Belle Plaine Des Moines	Iowa Iowa Indiana Iowa Illinois

The entire expense of the State Fire Marshal's office is paid out of the general revenues of the state.

TWELFTH ANNUAL REPORT STATE FIRE MARSHAL

For the year 1922, 5,553 fires were reported to this office totalling a loss of \$10,151,011. The property involved in these fires was valued at \$63,000,000.

This is an increase of 784 fires and an increase of \$542,866 loss over 1921.

There were 447 adjoining fires (which are included in the 5,553) totalling a loss of \$1,310,716. The 447 fires caught from the rooms or place where the first fire originated.

The per capita fire loss in the state of Iowa during 1922 was \$4.22, which is an increase of 23 cents over 1921.

During the year 1922, twelve fires occurred in each of which the loss exceeded \$90,000 as follows:

Jan.	3	Centerville	96,040
Feb.	14	Iowa City	90,058
Feb.	16	Fort Dodge	181,180
Feb.	22	Atlantic	97,000
March	3	Fort Madison (near)	253,788
March	29	Davenport	244,000
April	19	Des Moines	140,549
May	9	Des Moines	155,631
June	21	Waterloo	271,323
Sept.	23	Fort Dodge	145,533
Dec.	16	Ames	289,000
Dec.	23	Council Bluffs	205,554
		The second secon	-

Total\$2,169,656

There were also fourteen (14) fires during 1922 in each of which the loss exceeded \$50,000, totalling a loss of \$953,313. The loss in these twenty-six (26) fires combined was \$3,122,972.

This increase of loss is no doubt due to inflated values and the readjustment period we have been passing through. Another cause for this increased number of fires and losses may be on account of the rapid increase of fire producing agencies, such as gasoline and electricity, both of which should be better controlled by state regulations.

There has been a general increase of loss in other states as well as in Iowa, and Iowa has not suffered in proportion to what many other states have suffered. The Committee on Publicity and Education claims there is on an average of five (5) schoolhouse fires each day of the school year, and five (5) church fires each day of the year in the United States. Iowa is more fortunate in this re-

spect than other states. In 1922, there were thirty-eight (38) schoolhouse fires totalling a loss of \$115,257, and thirty-four (34) church fires totalling a loss of \$164,703.

A glance at the record of fires from sparks and defective flues should interest the people in the non-combustible roofs and better chimneys.

Deaths By Fire: In 1922 there were 92 deaths reported as the direct result of fire, of which number 32 were women and 40 were children.

In 40 cases fatal to life, gasoline or coal oil was involved. In 11 cases persons were burned to death as the result of bonfire carelessness.

Fourteen (14) persons lost their lives in burning buildings, the origin of the fires being unknown.

The Committee on Publicity and Education claim there are about 15,000 people killed and 50,000 injured each year in the United States as a direct result of fire and Iowa contributes on an average of more than 100 each year.

Tables Numbered I, II and III in the back of this report will give you detailed information showing the number of fires, loss by counties, kinds of structures, and causes of the various fires reported.

Tables Numbered IV and V will give you the names of the cities and towns in which inspections were made as well as the counties in which suspicious fires were investigated.

A COMPARISON OF THE LOSSES IN NINETEEN LARGEST CITIES IN IOWA IN 1921 AND 1922

	-1921-	-1922-
Boone Rurlington Cedar Rapids Cilinton Council Bluffs Davenport Des Moines Dubuque Fort Madison Fort Dodge	No. Loss Pires Loss 21 40,103 27 66,281 89 111,609 96 40,741 190 159,905 269 227,304 582 890,648 71 62,731 26 148,952 56 106,549 28 114,675	-1922- No. Fires Loss 42 \$ 7,669 81 \$0,756 128 166,617 155 119,094 254 298,098 260 897,915 708 641,199 112 44,442 26 56,652 79 297,728
lowa City Keokuk Marahalitown Marahalitor Muscatin Oskaloosa Ottumwa Sloux City Waterloo	64 22,291 76 46,711	72 14.509 93 108.526 100 24.63E 52 75.240 58 22.474 25 114.005 152 90.259 417 386.924 164 349.707
Totals	2,296 \$3,218,939	3,000 \$3,402,243

The following tables will give you the loss by months, the kind of structures in which the greatest number of fires occurred and the causes of the greatest number of fires.

A COMPARISON OF FIRE LOSSES BY MONTHS FOR 1921 AND 1528

	-1921-		-192	_
January		Loss 821,757 978,967	No. Fires 924 877	Loss \$ 1,216,465 1,622,044
March	579 362 330	667,377 819,057 591,572 611,080	479 410 277 286	1,184,397 767,337 588,129 782,912
July	316 267 266	813,867 499,053 385,906 691,333	340 223 301 428	488,605 363,293 704,565
October November December	439	671,771 6,056,405	321 687	652,012 392,957 1,488,295
Totals	4,769 \$9	,608,145	5,553	\$10,151,011

KINDS OF STRUCTURES IN WHICH THE GREATEST NUMBER OF FIRES OCCURRED.

	No. Fires	Loss
Dwellings	3,014	\$2,419,122
Barns	514	1,205,507
Stores	354	2,177,324
Automobiles (does not include those in garages)	180	28,606
Garages	166	366,529
Houses, Apartments, Boarding, etc		80,099
Shops	125	143,207
Sheds		45,999
Restaurants and cafes	76	117,763
Offices and office buildings	67	286,022
Warehouses	66	226,196
Factories	54	880,552
Hotels		107,014
Schoolhouses	38	115,257
Churches		164,703
Totals	4,979	\$8,363,900

CAUSES OF THE GREATEST NUMBER OF FIRES.

	No. Fires	Loss
Sparks from flues	. 1,610	\$ 597,294
Unknown	1,228	5,059,650
Adjoining		1,310,716
Defective flues		581,857
Defective electric wiring		211,035
Spontaneous combustion		301,878
Overheated furnaces and stoves		215,223
Incendiary and probably incendiary		688,388
Defective stovepipes		90,418
Lightning		304,353
Smokers' carelessness		48,154
Gasoline and oil stove carelessness	83	69,457
Children and matches	78	25,859
Totale	4.694	\$9,504,382

INVESTIGATIONS

During the year 1922, 224 cases were investigated by this department. There were 36 cases involving 53 persons submitted to the county attorneys which resulted in 18 indictments, 10 confessions, one deported (insane), 6 ignored by the Grand Jury, 7 pending before the Grand Jury and 11 ignored by the county attorneys.

In two cases the persons were given 30 years imprisonment each, two were given ten years imprisonment each, one sent to the reform school and 10 paroled on account of their age. Other cases pending.

In addition to the 36 cases sent to the county attorneys there were 50 cases in which the admitted over-insurance totalled a loss of \$135,633. There were also 28 cases where there was some evidence tending to show the fire was set by design but no motive on the part of the assured.

In the rest of the cases investigated there were many suspicious circumstances, but not enough tangible evidence to fully determine the real origin of the fire.

Early in 1923, two persons were convicted in Council Bluffs, one being sentenced to life imprisonment for setting fire in an inhabited building in the nighttime and the other was given five years in the penitentiary for burning to injure the insurance company.

In many cases where investigations were made and no prosecution followed, no claim was made by the assured for loss incurred.

In cases where investigations have been made, we have exercised the greatest care that no innocent person should suffer, but when evidence has been secured tending to show that a crime had been committed, we submitted the evidence to the county attorney for his action.

In this connection, I want to urge that the people in general help aid and assist the law enforcing officers to bring to justice the persons who set fires for revenge or to collect heavy insurance. It is not only the loss of property that the people must pay, but there is a great danger to life and property of the innocent who must suffer at the hands of the guilty. I urge that you back up your county attorney in all arson cases that come to your attention.

The names of persons arrested will be found under the head of Arrests and Prosecutions.

INSPECTIONS

In 1922, 1,225 inspections were made in 176 different cities and towns, resulting in the removal of hundreds of fire hazards.

Our records show that more than 95 per cent of the orders issued have been complied with and 1 am thoroughly convinced that thorough inspections would prevent hundreds of fires that would otherwise occur if inspections were not made.

Every city of any size could well afford to hire a competent inspector for a certain period to examine every chimney and heating plant and order any defects remedied.

The city should also pass and enforce local ordinances prohibiting the burning of trash near buildings, the piling of ashes against buildings or the storing of ashes in wooden receptacles, also regulations for the handling and storing of gasoline as well as making a code for standard electric wiring.

For more detailed information, see Table IV in the back of this report.

EDUCATIONAL WORK

Under the law the state fire marshal has prepared bulletins on the causes and dangers of fire for use in the schools, and has endeavored to reach every schoolhouse in the state, as the law requires teachers to teach Fire Prevention in connection with other branches.

Fire drills are also required each month in all buildings of more than one story.

During the past four years the state fire marshal has had 125,000 large size Fire Prevention posters printed containing the proclamation of the Governor, and through the co-operation of the county superintendents of schools has endeavored to place at least one poster in each schoolhouse in the state.

Outside of the schools we have sent posters to newspapers, banks, post offices, hotels, commercial clubs, fire chiefs, mayors, depots, etc.

In addition to these Fire Prevention posters we are sending out about 75,000 pieces of Fire Prevention literature each year which has been furnished by fire prevention agencies.

Lectures have also been given to fire departments, farm bureaus, farm institutes, commercial clubs, insurance gatherings, and schools. City councils have been urged to purchase better fire equipment and adopt better building ordinances.

The office has secured two sets of motion picture film entitled "The Danger That Never Sleeps" which is a forceful reminder of carelessness. These films have been routed over the state to the fire chiefs, school superintendents, and picture theaters, free of charge, to be shown as an educational feature with the idea of educating

the rising generation in the causes and dangers of fire. I would urge county superintendents to make arrangements to show this film.

The use of the lightning rod is almost an absolute protection against loss by lightning. I have gone into this matter very thoroughly and the records will show that in 1920 there were 157 lightning losses. In 143 cases there were no rods and the loss was \$362,390; lightning running in on wires, 5 with a loss of \$1,119; 9 losses with rods, causing a loss of \$26,209.

In 1921 there were 158 lightning losses, 142 without rods, causing a loss of \$284,203; lightning running in on wires 6, loss \$3,963; 10 with rods, loss \$32,775.

In 1922 there were 117 lightning losses, 105 without rods, causing a loss of \$292,248; lightning running in on wires 8, loss \$703; 4 with rods, loss \$11,432, and there is evidence tending to show that where the rodded buildings were struck, the rods were either defective or not properly installed.

STATISTICAL WORK

Until the establishment of the state fire marshal's office and the provisions for the collection and publication by this department of certain data pertaining to fire losses, there had been no office or other agency in the state concerned in securing this information, except the companies and associations doing a fire insurance business.

The fire data reported by them to the various departments does not give full information outside of the amount collected from the insurance companies. No account could therefore be taken by them of the losses which were either partially or wholly without insurance, and when we consider that about twenty-five per cent of the total annual fire loss in this state is not covered by insurance, we must at once conclude that the only approximately complete and accurate statistical information relative to these matters is obtained by the state fire marshal.

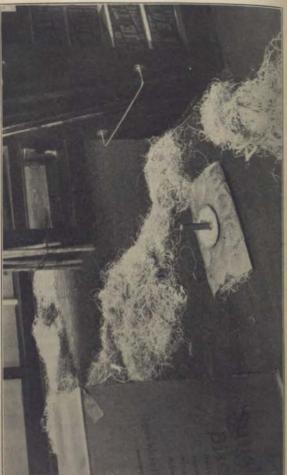
It is true that in many cases the values are based on the combined judgment of the owner and the fire chief or the township clerk who inspects the fire and makes the report.

In addition to the loss and damage, our reports cover the material destroyed, the damage to the building and the contents set out separately, also the cause of each fire so far as known.

For more detailed information see Tables Numbered I, II and III.

FIRE PREVENTION

The method of real Fire Prevention is in its infancy.



D,



The foundation of Fire Prevention is better buildings, thorough inspection, followed by good housekeeping which will eliminate gross carelessness.

If we would follow the practice of the foreign countries and make every person responsible for any loss, damage or injury caused by his own act of carelessness or negligence, we would soon see the fire loss of the country rapidly diminish.

Why not make the same law apply to the owner of fire hazards that you do to cities or corporations? If this be done, you will solve the problem of Fire Prevention.

ARRESTS AND PROSECUTIONS

SIOUX CITY, WOODBURY COUNTY

On January 29, 1922, about 1:45 a. m. a fire broke out in the barber shop of Geo. Callas. Gus Benos, alias Gus Brown, was indicted and released on \$2,000 bonds. Case pending.

DUBUQUE, DUBUQUE COUNTY

On January 30, 1922, about 3:51 a.m. a fire occurred in a dwelling occupied by George Washington. Washington confessed to setting fire to collect the insurance and was given 10 years in the pentientlary.

CEDAR RAPIDS, LINN COUNTY

On June 12, 1922, Clarence Wiese set fire to the J. G. Cherry Co. ware house, doing considerable damage. Wiese was indicted and is now in jail pending trial.

This is the third offense that Wiese has been in custody for and his actions seem to be that of a pyromaniac.

WILLIAMSBURG (NEAR), IOWA COUNTY

On June 16, 1922, about 10:00 p.m. a fire destroyed an auto owned by Geo. Seimer. Selmer was indicted for perjury in making a proof of loss for more than the car was worth. Since the indictment the case has been dismissed by the county attorney.

HAWKEYE, FAYETTE COUNTY

On June 18, 1922, and July 16, 1922, fires occurred in the property owned by L. A. Parker. Incendiary plants were found in both houses which resulted in the indictment of L. A. Parker on two counts. The case is being tried this week.

ELKHORN, SHELBY COUNTY

On July 6, 1922, at 1:00 a.m. a picture show owned by Elmer B. Peterson was set on fire. J. Harry Savage was indicted and tried for arson in connection with these fires. The jury returned a verdict of not guilty. The motive was on account of competition.

WASHINGTON TOWNSHIP, CRAWFORD COUNTY

On July 16, 1922, about 9:00 p.m. a fire destroyed a machine shell owned by P. F. Clinton. Oliver Pearson, 16 years of age, confessed to the aberiff that he set the fire. Later he claimed it was an accident. After repudiating his confession he was arrested for breaking and entering Case pending.

MASON CITY, CERRO GORDO COUNTY

On July 16, 1922, about midnight, an arson plant was found by the night watchman in a grocery store owned by W. A. and D. C. Koon. The

plant consisted of long strings of excelsior, oil soaked and a candle on a pad of excelsior which was oil soaked and a paper box or carton set over the candle. The candle shows it had been lighted but went out, which no doubt was caused by the lack of air. Both W. A. and D. C. Koon were indicted for setting fire with intent to burn. The case has not as yet been tried.

A reproduction of photographs of the arson plant will be found in this report.

SIOUX CITY, WOODBURY COUNTY

On July 23, 1922, about 4:00 a.m. the Model Lunch Room owned by J. N. Callas and Harry Harry was set on fire. Harry Harry has been indicted for setting this fire. Case pending.

APLINGTON, BUTLER COUNTY

On July 28, 1922, at 12:50 a. m. a pool hall owned by Janssen Bros. was burned. John C. Janssen and Chris Janssen were indicted, tried November 20, 1922, and the judge directed a verdict for the defendants.

SIOUX CITY, WOODBURY COUNTY

On September 9, 1922, about 12:48 a. m. a dwelling occupied by G. G. McKay and H. D. Dimos burned. G. G. McKay, P. M. Arhontis and Von M. Greene were indicted on two counts of burning to injure the insurance company. McKay and Arhontis were tried and convicted and sentenced to the penitentiary for 30 years each. Greene is out on bonds and case pending.

GRAETTINGER (NEAR), EMMET COUNTY

On September 22, 1922, a fire destroyed a hay stack. John Harris, 13 years old, confessed to setting the fire. He was sent to the Industrial School for Boys at Eldora.

CALLENDER (NEAR), WEBSTER COUNTY

On October 7, 1922, about 8:30 p. m. a dwelling owned by Thos. McCall was discovered to be on fire. Rancie Myrzena was arrested and confessed to setting the fire. The charge was changed to breaking and entering, to which Myrzena pleaded guilty and was sent to the penitentiary for ten years.

COUNCIL BLUFFS, POTTAWATTAMIE COUNTY

On October 26, 1922, about 8:20 p. m. a fire destroyed a shed owned by L. J. Jensen. Eugene Elgin, a boy of 13 years of age, confessed to setting the fire and was paroled during good behavior.

During the year, 9 boys confessed to setting fires, who were paroled during good behavior. In one case the parents of the boy paid for the property destroyed.

RECOMMENDATIONS

I wish to renew my recommendations as follows:

1. A larger department with enough appropriation to make a thorough inspection throughout the state.

2. A state law requiring a certain standard for dry cleaners which can be made self-supporting by a license and inspection fee which the cleaners themselves would be glad to pay. This bill should provide for an inspector to be appointed in each congressional district by the state fire marshal and his per diem and expenses should be

STATE FIRE MARSHAL

paid out of the license and inspection fee charged. In no case should the expense of inspection be more than the receipts.

3. Electric Wiring. It is claimed by the Committee on Publicity and Education that electric wiring is the one greatest hazard in the United States, the loss being \$85,000,000 in five years charged to electric wiring. I urge that this Legislature pass a law requiring the standard code for electric wiring in harmony with the National Code for electric wiring.

Electricity is not only being used in the cities but on the farm and without some regulations providing for standard wiring and inspection, it makes one shudder to think what might happen.

This bill can be so drawn that it will be self-supporting by charging a fee to the electric contractors which they will gladly pay and provide for an inspector in each congressional district to be appointed under the supervision of the state fire marshal. The per diem and expenses to be paid out of the receipts and in no case shall the expenses exceed the license fee received.

CONCLUSIONS

To my entire office force whose loyal and faithful services to me and the state have been rendered in a most competent and generous manner, I desire to make this public acknowledgment of my appreciation.

The state fire marshal's office is no longer an experiment, its usefulness and influence for good will be more manifest in the future than it has been in the past.

There are 32 states in the Union now that have a fire marshal law. New York, Missouri, Utah and California now have bills before the Legislatures with the view of establishing a fire marshal's office

We earnestly ask that you investigate the department in way of efficiency as we know it will give you a better insight as to the needs of the department.

The Fire Marshal's Association extends all over North America and is recognized as a leading factor in convicting persons who set fire for gain, as well as a leader in Fire Prevention activities and should have the support of all law-abiding citizens.

TABLE NO. L.

Showing the Total Number of Fires Reported by Counties and Cities of More Than 10,000, Damage to Buildings and Contents Combined and Insured. Also Showing Number of These Fires and Loss which was Unissured.

Counties and Cities of 10,000 and over	No. of fired	Damage to Buildings and contents	No. of from without imme- ance	Line
dair	19	8 33,465	-	
shar famm	7	13,010	3 0	8 9,00
llamakee,	19.	26,615	3	-46
ppansone	53	185,902	30	2,70
udaben	14	80,028	- 18	11.30
eston.	.39	121,914	3.	2,8
lack Hawk - Waterloo	164	349,707	19	7.50
Bal. Black Hawk Co.	45	67,908	3	1,30
cone-Boone	42	7,066	3	20
Bal. Books Co.	29		2	4.25
PRINT.	17	38,305	2	2.30
With the state of	24	29,153	SE:	1,21
one rate	n	53,103	- 8	2.3
allowa.	37	161,723	- 1	2.3
arril	36	54,145	2	4.00
MI.	41	159,763	2	
	22	82,769	(6)	2,1
elar erro-Gordo-Massa City	52	75,240		133
Bal. Cerro Gordo Co.	29	90,245	0	7,00
benkee	17	42,895	1	
bokssaw	23	37,900	-	
urke	15	24,611	1	1.04
By	41	97,335	- 4	1.0
ayton.	22	81,573	(40)	6.77
inton-Clinton	155	119,094	37	1.2
Siston—Clinton Bal, Clinton Co.	16	82, 151	2	- 21
	23	74,545	27	1,61
allos	31	110,575	T.	4.2
NYW.	. 5	7,200	0.00	
ecator set Moines—Burlington Bal. Des Mrines Co. skinson Bal. Des Johnson	-28	25,677	2	50
claware	13 81	22,650	1 0	5.5
es Moines - Burlington		55, 455	6	
Bal. Des Mritnes Co.	16	20, 247	2	2.30
SKIDSON TO THE PARTY OF THE PAR	112	84, 442	30	2,00
Bal Pulsana Ca	21	28,640	2	1.20
Ital. Distingua Co.	22	110,588	200	1.2
more annual control of the control o	- 22	140.052	4	1.00
chart.	37	56,453	242	4.0
nesklin.	43	107,210		2.50
respect	29.	167, 202	3	1.6
No.	30	117,824	2	2,0
rundy	28	.01,942	223	
othrie	24	66,622	4	- 43
umilton	22	49,000	14:	1.2
annock.	24	157,380	2	17.80
arda	.29	90,543	2	2.31
	34	77,048	9.01	1.3
nery. veucl umbeldt	20	44,919	2	3,00
read	15	14,550	0 1	
umboldt	12	42,342 21,590	2	1.00
B	24	60, 137	3	2,2
The state of the s	22	38,420	2	1,10
rksee	32	69,400	1	3,7
ger	33	75,747	2	2
ferson-Iora City	73	141,509	14	1.4
Bal, Johason Co.	23	52, 629	1	1
	27	28, 218	2	8
echak.	34.1	80,994	2	9,2
omith.	24	80,330	2	2
w-Ft. Madisen	36	56,053	4	90
Keckuk	115	106,528	I I	1,30
Bal. Lee Co.	11	291,369	2	299,2

TABLE NO. I.—CONTINUED.

Counties and Cities of 10,000 and over	No. of fires	Damage to Buildings and contents	No. of ferm without insur- ance	Line
inn-Cedar Rapida	125	166,617	**	-
Not Line Co.	37	182,225	16	1.8
Tentan Control of the	9	27,725	0	8,11
MANUE	23	72,181	. 2	1,10
Market Control of the	12.	24,575	2	3,20
fadison	26	42,611	3	3,33
fahaska-Oskaloosa	25 19	314,005 33,085	0	
Bal, Mahaska Co	54	209, 209	3	3,5
Inrion Inrahall-Marshalltown	100	34,638	12	17.83
Bal Marshall Co.	20	53,532	1 1	18
file	19	28,845	0	1,1
(itelal)	.10	11,920	2	2,3
Ionona	17	58,937	0	.420
fonroe	49 20	60,731 38,291	5	- 6
Intgonery	58	22,474	3	6,6
Bal. Muscatine Co.	22	50,160	8	- 4
Brien	27	109,590	3	23
somia.	16	23,620	2	2.2
ACC.	32	79,039	8	7.0
ain Alto.	34	21,315	0	
lamount b	35	35.115	.8	4.5
ocahontas,	12	22,296	3	9.3
'olk-Des Moines.	708	641,190	63	1.7
Bal. Polk Co Cottawattamie — Council Bluffs	254	92,988 398,096	43	1/3
Bel Pottawattamia Co	32	61,980	5	47.0
Bal. Pottawatiamie Co.	49	95,952	5	2.1
imposid	18	39,489	0	5372
ar	29	32,510	5	-3
eotiDavenport	300	397,945	22	73.3
Bal. Scott Co.	32	20,124	1	2
helby	36	58,452 61,930	3 7	1.5
OUT	67	446, 425	10	217.1
ama	17	18,483	i i	1,3
aylor	15	6,501	1	
\$108	28	34,266	2	
an Buren	16	29,095	1	
apello-Ottonswa	153	90,259	3	1.7
Hal. Wapello Co.	34	39,335	0	
arren	29	51,145	10	2.0
ayne	33	84,790	14	1
ebater—Fort Dodge	79	397,720	6	12.
Bal. Webster Co.	22	68,057	1	
innebago	21	37,694	2	10
Finneshiek Feedbury – Sioux City	:23	30,467	3/	
Foodbury - Sioux City	437	188,924	18	3,5
Bal, Woodbury Co	26	78,767	3.	
Vorth	33	3,923	1 2	120
Vright	- 44	30,114	-	-
Totals	3,553	10, 151, 011	603	773,0

TABLE NO II

Showing the Nature and Character of the Buildings or Properties Destroyed or Danaged, the Value of Each, the Danage Thereich, the Value of the Contents of Each and the Danage Thereich, the Kind of Material of Which Each Was Consistenced and Whether the Loss Was Total or Parlial, for the Year 1922.

24 KIL 900 121, 710 56, 500 30, 955 30 11 + 9 24 6 12

TABLE NO. 11.—CONTINUED.

		Buch	Bulkins	Contants	and a			1	100000	-	1		
	13			Calle	inte	1		Characte	e of Build	Character of Buildings Affected	per		
	No. of	Value	Damage	Value	Dames	Wase	Bred	Comment	Loss == 1	Buildings	Lost on Contents	Soniente	
								or Nione	Tread	Partial	Total	Partial	
Constraints and oresis platitions	2	33, 100	19,770	10,970	10,878.	0	-	0	*	-	9	1	
Denne halls.	10.		16,100	1,600	1,300	-	-	0	0.00	100	2.4		
Dwellings florms: Dwellings (towns)	2,638	9,992,196	10.00	1, 801, 485	1001 100,035 100,000	* 信息	200	ony	100	"21	0 57	181	
Downer	2	223,115	181,784		87,314		-	0	11	No. of Street, or other Persons and Street, o		1,004	
Factory—But and talk	101	92,800	47,900	86,500	46,600	7	-	0			. 0		
Condy and po-		165,000	1,121	202,500	200	96	-	0.0	0.0		000	101	
Clar	R.m.	10,300	8,000	72,000	12,317	+ 5	-0	0-		-		S and a	
Central earlier machine	-	130,900	125,000	60,000	50,000	-0	0-	0.0			-01	Cont.	
Casedine engines	PAH	91,440	79,881	28,000	10,300	00	T9 0	.0.	0.0	- 84 -	001	- 20	
Hog Sertim Horse collars	-	40,000	-	0	0	-	00	-0	0 ==		0.0	0.0	
In the state of th	100	144,800	12,261	116,300	72,142	011	-	-	0+		0-	99.0	
Mathem	1110	35,300	7,985	75,000	75,000	0-	ma				-	101	
Play ground equipment	24.00	36,000	1.000	00	60	00	TH-	.00	000		0	NO	
Poports and peaket	23	12,000	1,500	11,000	100	0.0	- 54 -	0.0	00		00	0 10	
Spire and ordine	-	0	0	160,000	679	00		00	0.0		0.0		
Tent and awaing	415	110,340	1.980	17,806	8,925	0 1	21	00	011		0-	4	
Valve, spring compressor	2	120,000	2,340	2, 100	2 100	10-	00	0.0	0.0	200	0	121	
Fair gound hubbling	n-	2,404,000	1,000	208,000	3,046	0	mi	100	00.	- 10.5	0	C 59	÷)
Vessel and auto yard.	H+	104, 000	1,300	131,000	900		200	99-	-00	Se.	-01	041	

Saura	ogessenene	0	N=+#0+#	-20	49	Zno	2-1-2	g
2*020	Hannunaund	-	0000000	ONG	0	H40	-54444	200
ggnon	-H-445-8-D	-		ngn	41	gen	*04501	gon
deor.	244-4-604	24	*****	0110	0	Nem	000mm	277
u=000	000-00000	9	******	mmg	0	6-6	-0-000	нон
agnen	4H46H44000	0	ниноойо	070	-m	900		go-
20 20 20	や出口資金で工芸やお	-		++0	.0	Enn	HOROMO	gen
28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	51 11 12 12 12 12 12 12 12 12 12 12 12 12	8,000	A STATE OF THE STA	200°	200	2,810	4114442 1488181	66,139 300 10,000
114,748 486,814 8,000 15,110 17,000	28 28 28 28 28 28 28 28 28 28 28 28 28 2	6.000	000 100 000 000 000 000 000 000 000 000	887.0 887.0	000'6	25.00 20.00	18 0 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	227, 300 1, 000 300, 000
######################################	を表するによりがみ おおおおおおのは おおおおおおり おおおおおり	000	2000 mag		8	20 mg	21 1,5,8,9, 80 135 137 10 135 137	21.00 4.000 13.160
8.25.25.21 8.25.25.25	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	130	00,000 00,000 00,000 00,000 00,000 00,000	1,966,300	77,000	1,690,411	3, 406, 330 61, 730 294, 100 8, 300 315, 000	787,030 4,000 82,300
Taura Taura	おきずれを共立的では	-	menanag	ngn	21	200	SISTER	Eng.
Ganges - Private Gar Panish Gang Panish Gangwan and entr orths.	Hoy, grain and store Holdels Hopking Hopking	Just yard	Adventory According to the post of the control of	Mills, four and feed Michael picture theater Motor opeles	New stanta	Office and office heistlines Oil eathers Oil forms	Packing plants Pearing plants Pearing and Pearing hard Pearing and seeling alery Pool halls and beeling alery Pool halls and policious plants	Restaurante and states Rest proms. Restaurante and states

TABLE NO. 11.-CONTINUES

		Buildings	lings.	Comp	Jonitenta			Character	Intracter of Buildings Affects d	ngs Affects	ed.	
	No of	- ALESSA	The same of		- September 1	No.	1000	-	Loss on B	Loss on Buildings	Loss on Content	Contents
	You	Value	Damage	Value	Demage	1000		or Stone	Total	Partial	Tota	Partial
chool branes and Wool both—Coal and Wool Machine shool.	822	1,467,850	101,452 17,174 6,740	191,835 21,820 21,060	13,905	387	91 10		2801	MED.	22-0	280-
Tool houses and sheds beet asphalt plant hops—Art	9000	1-0	2085	26.648	13,147			000				
Backenith Carpenter	fa-	0000	8,650	18,430	000 01 000 01							
Execution repair Harrison Harrison	-wn	1430	(1, 10 000, 10	1,000	4,000							
Number Paint	***	100	1,400	18,000 180,000 180,000	11,458	-						
Flumbing and hesting. Shoe repairing. Tailor and recent		N IST	186	20, 950 20, 975	3,460	~						
Velocation	gre	200	7,675	21,850	1001							
moute bouses belt deining parkers.	12-2-	109	2,230	6,000	10,000							
Rower Army and havy goods Cigar and tolesmo.	mpg	100	200	27,000	4,900							
Confectionary Clerking and shoes. Five and len cent stores.	120	1,059	131,902	197, 184	168,331							
Fruit and produce companies Furnitures Consess reservatedies	920	1,360	328,002	2,791,600	34,253 685,987	723	100					
Drug	SIS	175	24, 521 49, 552 30, 578	294, 806	38, K76 38, 421 88, 304							

-2-2-c-	nn	4	= -	-	1,290
Q48000N	00	-	30	0	987
-posses	er en	-	41	-	3,920
01-8008-	60	0	50	0	1,266
01100000	00	0	10	0	177
"Z*Z00"	e-	10	27	0	RESS
ownen	08	0	19	-	4,494
11,4,00 10,000 1	12,000	7,420	150,663	1,300	4,729,786
24,500 20,000 24,000 24,000	20,000	10,100	1,395,997	10,000	18, 613, 898
HANN NO.	9,255	8,115	69,513	2,405	6,421,255
818,818 80,000 8	77,000	49,000	865,017	68,400	5,353 44,564,995
nhannen	nn	90	8"	7.H	5,353
Lighting farmes Million method Million method Million method Million method Million method Million method Wenterli	Thenters of the contract of th	Undertaking parlors	Warehouses	A M O A	Totals

22

TABLE NO. III.

Containing a Summary of the Origin and Cause of the Various Fires Reported, the Number of Each, and the damage to the Buildings and Contents, for the Year 1922.

Causes	Number Fires	Low
obining on of live ceals against wood, full common explained, monthle backfor and explained leak sting while was a significant of the significant	447	E2 -000
er or live emis against wood.	40	\$1,750;1 15,1
halt coment explosion.	2	3,3
omobile backfire and earburetor leak	41	16,1
w and all torches offers off	15	133
# HING HAS LONGING	32	(5)
eutor lamp	13	30
ruing grass, leaves and weeds	21	8,
ming rubbish, paper and waste	29	3,
alle careleannes	(8)	1 3
recoal burner.	78	100
bling and badding more story and story virie	22	15
fee ura	13	100
tains blown into flame	12	11
ective electric applicaces	0	777
active electric lighting fictures	- 7	
notive bleetele wiese.	198	211,
Settive 2008.	27	581,
Section was and enacting water hunters	100	3
Series earline lighting systems	3	2
tertive gasoline tanks	130	- 3
fective heating plants, etc	33	32
letive oil and gasoline stores	23	5
active pipes to stores, etc	120	30
Inclive racin and tracks with correct on	120	3
etric trins	20	9
el entiter	135	1 5
ing tank with motor running	11	
Majanininininininin	48	- 12
eworks	16	17
euon	7	1
rnace, coal and can stove emiorions	12	- 64
soline or coal oil to start fire	- 11	25
s explosions.	50	6
soline and volatile oils explosions	83	45
ettori. migation risco, così and gas atove explosione a explosione acine and valatile nile explosione acine and valatile nile explosione acine and valatile nile explosione acine and oil atove explosione acine	45	40
soline and oil stove expressions,	23	13
whater	- 6	1002
andlary and probably incendiary.	120	688
a, shink	183	17
up explosion and carelessmost	14	21
ntern caretenment and explosions	105	290
Adults with make	4.	11
bitning Publing in on Wires	80	
ne sinking	3	1 100
delt europeasem	75	15
dehea and mics (supposed)	1 3	1
turners, turners and stores.	- 2	26
of building labels and could byteld	1	100
cohestol colleg totalet	1	
erheated furnace and stoves	136	233
aodine and oil stove explosiona. annee, point and tar boiling over vitator vitator in, chink in, chink in, chink in chi	177	13
ndering kettle	107	43
cities, cateleanous.	107	1
oking mest.	- 1	
oking out beek	1	
coling out bees dering store aris from selectic motor aris from selectic motor aris from selectic motor aris from appears and keomitives aris from uppea, flue hole us rugs, etc. aris from uppea, flue hole us rugs, etc. aris from upon the heater aris from welding	1	7.5
arks from engines and becomitives	51	500
arks from them	1,610	394

TABLE NO. III .- CONTINUED.

Causes	Fire	Loss
Specialization combination Baled and loose paper Carbide Clathos, cotion and rags. Cool and cook. Fertilizer Train, folder and cobe. Hay and stars. Only most, region and stars. Only most, region and stars. Only most, region and stars. Stars and stars. Twing. Ratio electricity Stave blacking explosion. Stove blacking explosion. Stove in formune too book wood. San's any on frametic. Tawling water paper and pumps. Tauging water paper and pumps. Tauging water paper and pumps. Tauging and blackwas. Valenching machine. Valenching machine.	46 57 26 1 1 6 1 7. 1 16 5 1,228	27 1, 17 25, 69 10, 22 162, 08 162, 08 164, 15, 42 2, 2 3, 55 5, 099, 65 5, 099, 65
Totals	5,553	\$10,151,01

TABLE NO. IV.

Giving the Cities and Towns in Which 1,225 Inspections Were Made of Dilapidated Buildings and Inflammable Conditions During the Year 1922.

Adel	Garner	Osceola
Agency	Gaza	Oskaloosa
Akron	Glenwood	Ottumwa
Albia	Glidden	Paullina
Alden	Gowrie	Pella
Algona	Grand Junction	Perry
Allerton	Gravity	Pieasantville
	Grimes	Pocahontas
Alta	Grinnell	Portamouth
Ames	Griswold	Postville
Anamosa	Hamburg	Postville
Ankeny	Hamilton	Prairie City
Atlantic		Red Oak
Auburn	Hampton	Rippey
Beaman		. Riverside
Belle Plaine	Hastings	Rock Rapids
Bellevue	Henderson	Rockwell City
Herkley	Holly Springs	Rodman
Stairstown	Hopkinton	Sac City
Blakesburg	Indianola	Scranton
Boone	Iowa City	Sheldahl
	Iowa Falls	Sibley
Brighton	Jefferson	Sidney
Britt		Sigourney
Brooklyn	Jesup	Strong City
Calmar	Jewell	Silver City
Carlisle	Keokuk	Sloux City
Carroll	Keosauqua	Slater
Cedar Rapids	Keystone	Smithland
Cedar Rapids Center Junction	Knoxville	Spencer
Centerville	Lake City	Spirit Lake
Chariton	Lake Mills	Story City
Charter Oak	Lawler	Strawberry Point
Cherokee	Le Mars	Sutherland
Chester	Lisbon	Tabor
Clear Lake	Lohrville	Tama
Clermont	McCallsburg	Terril
Clinton	McGregor	Thor
Correctionville	Macksburg	Thornton
	Madrid	Ulmer
Corydon	Manilla	Ute
Cresco		Vail
Creston	Manson	Van Horne
Curlew	Marshalltown	Van Meter
Cushing Davis City	Mason City	Victor
Davis City	Meservey	Victor
Denison	Middletown	Villisca
Des Moines	Minburn	Vinton
Diagonal	Missouri Valley	Washington
Dunkerton	Mitchellville	Waukee
Earlville	Monticello	Waverly
East Pleasant Plain	Moravia	Webster City
Eddyville	Mount Ayr	West Liberty
Eldon	Moville	West Side
Eldora	Muscatine	West Union
Elma	Neola.	What Cheer
Emmetsburg	New Sharon	Whittemore
	Newton	Williamsburg
Fairfield		Winterset
Farnhamville	Norwalk	Woden
Galva	Oelwein	Woolstock
Garden City	Onslow	A constock
Gardiner	Orange City	

TABLE NO. V.

Giving Places at Which Investigations of Fires of Suspicious Origin Have Been Made During the Year 1922, and the Date When Such Investigation Began.

County	Plan	Date Commenting Investigation	
dult	Afair Streepville Eden Township	May 4	
WORKSONS.	Streepyville	June 21	
	Eden Township	October 31	
	Florence Township	November 1	
	Florence Township Shellaburg (near) (2 first)	Neptember 25	
The state of the s	V (0) (0)	April 6	
bok Hawk	Waterloo	February 1	
The state of the s	Waterloo.	July 17	
	Waterless	July 17	
	Waterino.	July 20	
000E,	Bottee (tent)	March 13	
Marie 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Denglas Tuwnship	June 13	
	Garden Township	February 10	
	Moingons	September à	
otler	Antimeton	Angust 4	
	Aplington (near)	August 4	
	New Hartford	May 24	
Moun	New Bartford Butler Township Garfield Township. Jolley	June 16	
MOOR	Carlell Township	June 16	
	Library Loweston	June 16	
	Lake City	July 24	
	Labs City	November 24	
	Lake City. Twin Lakes Township. Twin Lakes Township.	June 14	
	Paris Lakes Township	June 16	
	Pends (mars)	August 9	
arrol	Breda (near)		
	Glidden (near)(2 fires)	December 12	
	Jasper Township	December 13	
Minimum Commission Commission	Anita (2 fires)	October 31	
	Griawold (near)	October 31	
	Wright Township	August 35	
Ordar	Wright Township Dayton Township (2 fires) Mason City (2 fires)	January 10	
Cerro Gordo	Mason City (2 fires)	March 1	
	Mason City	May 11	
	Mason City (3 fires)	July 16	
	Mason Otty	July 22	
	Mason City (3 fires) Mason City Mason City	July 22	
	Rock Falls	Schen en	
Thickness.	Lawlor (2 fires)	April 14	
	New Hampton. Linclon Township (2 fires)	April 14	
Nay	Linclon Township (2 fires)	May 26	
	Bruthout	J Arms va	
Clayton.	McGregor Camazethe (near)	October 27	
Tinton	Camanche (near)	September 8	
Annual Control of the	Charlotte.	JADEN AX	
	Charles	I DESPUS 2	
	Goose Lake Lincoln Township Washington Township	November 15	
	Lincoln Township	November 21	
Drawford	Washington Township	July 18	
Dallas	Adel	DEMEND A	
	Dallas Center (near)	TARDERSON NA	
	Day Mainer Township	August 25	
	Perry	July 9	
Devadur	Divis City	Anne we	
Delaware	Coloslerie	Unitable an	
Des Moines	Berlington	Selector to	
Dielginson	Milliand	January an	
The state of the s	Terril Wast Okubeji	October 18	
	Wast Okobadi	December 26	
Debous	Dubuque		
Duboque			
Fayetia	Hawkeye	July 18	
	Manhora franti	July 19	
	Hawkeye (near); Hawkeye (near)(3 free).	September 19	
	Oelwein (nest)		
	Octobra (punc)	June 26	
	Outreis. Charles City (2 fires)	December 5	
Floyd			

TABLE NO. V .- CONTINUES.

County	Place	Date Comments
		Investigation
		- Company
	Jackson Township	March 9
Green	Lefferen	August 17
	Seranton	February 25
Grandy	Scranton Fairfield Township Grandy Center Strart	October 17
	Grandy Center	
Guthris	Gruisty Center Stuart Stuart Stuart Stratford Ineser's Logan (mear) Missoury Valley Cluster Crusco Elina (2 fires) Marrago Mar	March 13
Hamilton	Stratford (near)	May 16
Hancock	Woden	February 13
Harrimon	Logan (near)	June 7
	Charter	April 21
Howard	Creano	November 16 January 17
	Elma (2 fires)	November 17
Iowa	Marengo	March 3
AUT A	Marcogo (near)	August 17
	Parnell (near) Williamsburg (near)	August 16
	Williamsburg (mor)	February 2
	Williamsburg Consti	February 3
	Williamsburg (near)	August 18
Jackson	Bellevue Independence Township	September 1
Justin	Lynnville (near)	August 29 June 23
	Newton	May 19
Jefferson	Fairfield (mear)	April 5
Johnson	Newton Fairfield (near) Iowa City (near)(2 fees)	March 3
South Control of the	Iowa City Oxford (near)	June 26
	Oxford (near)	August 21
	Linking Lownship	- August 21
Keokuk	Ollie	August 16
	Pekin (near)	March 1 April 7
Let	Vaslede	December 5
Ties	Olite Pekin (near) Rezicult (2 fires) Rezicult (2 fires) Rezicult (2 fires) Rezicult Cedar Hapida Cedar Hapida Marion Marion Marion	January 21
Lina	Cedar Rapids	December 11
	Marion.	June 9
	Marion	October 4
	Marion	December 26
Lucas	Chariton Pleasant Township	February 14 January 25
	Pleasant Township	February 17
Lyon Madiaon Mahaska	Lyon Township	
Madison	Cedar Township	
MANUAL	Oskalooss	December 18
	Oekalooss Wright (near)	February 24
Marion		February 7
	Knozville	July 25
	Knoxville	July 25
	Kanaville	November 3 July 26
	Pella	August 15
Marshall	Pershing Albian (near) Magisten Albas (2 fires)	April 14
	Marlaton	January 13
Mounts.	Alben (7 Sreat	May 1
	Consol	January 14
Mustaline	Consol. Mostpelier (near) Montpelier (near) Muscatine	February 15
	Montpelier (near)	February 16
	Museafter	January 12
	Musestine Pleasant Prairie	
CONTRACTOR OF THE PARTY OF THE	A subsections)	Jone 20
O'Bries	Sunhorn	September 15
Pule Alto	Sanborn. Graettinger (nest)	May 25
The same of the sa	Emested (near)	3137 40
	West Bend	December 27
Plymouth	West Bend. America Township	Juse 22
	Le Mars Preston Township	June 22
	Preston Township	Reptemper 9
Porahoptas.	Luncoln Township	Optomic 10
	Pocahentas	

TABLE NO. V .- CONTINUED.

County	Flore	Date Communing
		Investigation
		Marie Control
No.	Comball to	- T
elà County	Campbell (auer) Crocker Township	Jamiary 31
	Day Molecus	Japaney 15
	Des Mripes	February 6
	Des Moines Des Moines (2 fires)	February 9
	Day Marines (2 Mars)	March 17
	Des Moines	March 29 April 22
	Des Moines	April 25
	Des Moines	May 1
	Des Moiture	May 13
	Des Moines	May 18
	Des Moises	May 31
	Des Moines	June 22
	Des Moines.	July 10
	Des Moines	July 20
	Des Moines	October 23
	Des Moines	November 27
	Elidart.	September 25
	Ft. Des Monre	Suptember 25
	Grimes.	July 11
	Grimes. Jefferson Township.	October 30
ottawattamie	Council Stuffs.	March 23
	Council Bluffs.	April 19
	Council Bluffs (2 feru)	December 15
	Council Bluffs (2 feru)	December 25
	Council Buills (y mea) Council Buills Deep River Township Grinnell Montercons Dispensel (2 feet) Davesport	December 23
Openhiek	Deep River Township	December 27
	Grissell	February 24
	Munteriora	June 22
Einggold	Diagonal (2 Sees)	Junuary 18
kedt,	Davenport	March 15
	Devenport	June 29
Shellry	Divenpert Eikhorn Panaina (near) Rock Valley Annex	July 7
	Pananca (Desr)	January 26 February 15
SUEE.	BOOK VALLEY	February 21
noty	Amer	Angust 5
	Amer	Decamber 4
	Amen	December 18
	Tearing	March 24
Union	Zearing Lorinus (near)	March 6
Ammed a service and a service	Lorimor (near)	March 9
Van Buren	Bantonsport	March 57
The second secon	Bentoneport.	December 6
Wapello	Bentonsport Center Township	February 17
magain	Ottumws	June 30
	Ottomore	August 29
	Ottumwa	Octuber 26
Warren	Ottunes. Prole (2 frest)	December 20
Washington	Washington	S. S. Contract. A. 1.
	West Chester	January 10
Wagne	Allerton	May 16
The state of the s	Sermost	July 28
Walater	Callender (pear)	Desober 14
	Ft. Dodge.	Angust 14
Woolbury	Sang City (2 fires)	July 25
	Sious City	Ady II
	Sings City	July 28
	Sout City	August 1
	Sioux City	September 6 September 7
	Seax City	
	Sioux City	
	Sionx City	
	Sioux City	October 13