THE FIRE MARSHAL

FOR THE PROVINCE OF BRITISH COLUMBIA

FORTY-FIRST

ANNUAL REPORT

STATISTICS, 1962

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in right of the Province of British Columbia.
1963

To Major-General the Honourable GEORGE RANDOLPH PEARKES,
V.C., P.C., C.B., D.S.O., M.C.,
Lieutenant-Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present the Forty-first Annual Report of the Fire Marshal for the year ended December 31, 1962.

ROBERT W. BONNER,
Attorney-General.

Victoria, B.C., March 31, 1963.

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REPORT OF THE FIRE MARSHAL

OFFICE OF THE FIRE MARSHAL,
VANCOUVER, B.C., March 31, 1963.

The Honourable Robert W. Bonner, Q.C.,
Attorney-General, Victoria, B.C.

SIR,—I beg to submit herewith the Forty-first Annual Report of the Fire Marshal for the year ended December 31, 1962. There were 7,612 fires during the year, as compared with 7,849 for 1961, a decrease of 237. However, the financial loss in 1961 was $13,494,934, compared with $14,346,870 in 1962, an increase of $851,936.

It is regretted that I must report an increase in the number of deaths due to fire. Thirty-eight children, 13 women, and 47 men lost their lives through fire during the year. Thirty per cent of all fires where lives were lost was caused by smokers' carelessness notwithstanding increased activity in the field of fire prevention.

One hundred and seventeen meetings were attended by members of the staff during the year. Three courses of instruction were held, and assistance given the Department of Indian Affairs with a view to mitigating life loss in Indian communities. Fire-prevention literature and material continue to be distributed in an effort to overcome public apathy and develop fire consciousness.

Six hundred and forty-nine sets of plans passed through our engineering office during the year, relating to those requiring approval of the Fire Marshal by virtue of the *Fire Marshal Act* and regulations. Numerous requests for assistance from the engineering and architectural professions were handled, and an ever-increasing activity in the field of radioactive isotopes kept members of our staff very busy.

Our staff inspectors carried out 225 inspections throughout the Province during the year. In addition, there were 88,441 inspections by Local Assistants to the Fire Marshal with the assistance of members of our office. One hundred and ninety-two orders respecting fire hazards were processed, and 15 of these were appealed to the Fire Marshal. None of these appeals was advanced to the higher Courts. There were 10 prosecutions under the *Fire Marshal Act,* resulting in nine convictions and one acquittal.

During the year 10 theatre projectionist examinations were held, resulting in the issuance of one first-, four second-, and four third-class certificates.

The fire-fighter training units continue to provide an 18-hour course to all fire departments requesting it. During the year the units visited 101 fire departments and gave instruction to 1,293 fire-fighters. The instructors, together with other members of the staff, continue to assist in the development of the British Columbia Emergency Fire Defence Plan, which is progressing. There were no major calls during the year for fire-fighting assistance.

It is noted from Table I that the number of fires investigated by members of the staff is 272. These investigations resulted in 63 charges involving 63 persons, with 45 convictions, 6 acquittals, 1 failing to appear, 4 committed to mental hospital, and 7 referred to the Probation Officer. Twenty-two of those charged were juveniles.

I would like to thank the members of the various fire and police departments, the British Columbia Research Council, the National Harbours Board, the civil defence organizations, and my own staff for their excellent co-operation during the year. I would also like to thank the members of the Royal Canadian Mounted Police in the Province, Local Assistants to the Fire Marshal, insurance companies and their adjusters for their co-operation during 1962.

I have the honour to be,

Sir,

Your obedient servant,

BASIL NIXON,
Fire Marshal.

TABLE I.—FIRE INVESTIGATIONS MADE BY THE OFFICE OF THE FIRE MARSHAL

Fires Investigated

Origin of fires—	
Accidental or negligent	109
Incendiary	105
Unknown	58
Total	272

Charges Laid

	Adults	Juveniles
Arson	16	10
False alarms	9	3
Mischief	1	9
Setting fire to other substances	8	----
Other crimes	6	----
Mental Hospitals Act	1	----
Totals	41	22

Grand total, 63.

Persons Charged

	Adults	Juveniles
Convicted	30	15
Acquitted	6	----
Failed to appear	1	----
Committed to mental hospital	4	----
Referred to Probation Officer	----	7
Totals	41	22

Grand total, 63.

TABLE II.—INSPECTIONS MADE AND ORDERS ISSUED BY LOCAL ASSISTANTS TO THE FIRE MARSHAL

City Municipalities (32)

	Inspections	Orders		Inspections	Orders
Alberni	.....	.....	New Westminster	4,776	.....
Armstrong	97	.....	North Vancouver	2,842	1
Chilliwack	1,209	.....	Penticton	403	1
Courtenay	56	.....	Port Alberni	.....	.....
Cranbrook	422	6	Port Coquitlam	23	.....
Dawson Creek	859	2	Port Moody	41	.....
Duncan	101	.....	Prince George	714	.....
Enderby	33	.....	Prince Rupert	349	.....
Fernie	70	.....	Revelstoke	381	.....
Grand Forks	.....	.....	Rossland	.....	.....
Greenwood	5	.....	Trail	421	1
Kamloops	.....	.....	Vancouver	42,850	37
Kelowna	795	.....	Vernon	225	.....
Kimberley	482	9	Victoria	10,262	2
Langley	15	.....	White Rock	109	18
Nanaimo	1,261	.....			
Nelson	403	14	Totals	69,204	91

District Municipalities (30)

Burnaby	6,064	6	Oak Bay	475	.....
Central Saanich	.....	.....	Peachland	.....	.....
Chilliwhack	476	1	Pitt Meadows	.....	.....
Coldstream	5	6	Powell River	.....	.....
Coquitlam	172	.....	Richmond	243	.....
Delta	1,453	10	Saanich	641	30
Esquimalt	135	2	Salmon Arm	.....	.....
Fraser Mills	.....	.....	Spallumcheen	.....	.....
Kent	.....	.....	Sumas	.....	.....
Kitimat	1,184	.....	Summerland	.....	.....
Langley	183	8	Surrey	1,808	.....
Maple Ridge	99	1	Tadanac	43	.....
Matsqui	.....	.....	Terrace	227	4
Mission	.....	.....	West Vancouver	195	.....
North Cowichan	282	.....			
North Vancouver	1,143	.....	Totals	14,828	68

Town Municipalities (4)

Fort St. John	.....	.....	Quesnel	.....	.....
Mission City	145	.....			
North Kamloops	145	.....	Total	290	.....

TABLE II.—INSPECTIONS MADE AND ORDERS ISSUED BY LOCAL ASSISTANTS TO THE FIRE MARSHAL—*Continued*

Village Municipalities (60)

	Inspections	Orders		Inspections	Orders
Abbotsford	22	.....	Masset	.....	.....
Aennofield	.....	.....	Merritt	.....	.....
Alert Bay	.....	.....	Montrose	51	2
Ashcroft	.....	.....	Natal	74	5
Burns Lake	.....	.....	New Denver	12	1
Campbell River	756	11	Oliver	.....	.....
Castlegar	.....	.....	Osoyoos	.....	.....
Chapman Camp	.....	.....	Parksville	186	.....
Chetwynd	.....	.....	Pemberton	.....	.....
Comox	79	5	Pouce Coupe	7	.....
Creston	5	2	Princeton	.....	.....
Cumberland	17	.....	Qualicum Beach	.....	.....
Fort St. James	.....	.....	Salmo	12	.....
Fruitvale	.....	.....	Salmon Arm	.....	.....
Gibsons Landing	.....	.....	Sechelt	.....	.....
Golden	45	4	Sidney	.....	.....
Harrison Hot Springs	.....	.....	Silverton	.....	.....
Hazelton	.....	.....	Slocan	.....	.....
Hope	.....	.....	Smithers	.....	.....
Houston	.....	.....	Squamish	.....	.....
Invermere	.....	.....	Stewart	2	1
Kaslo	.....	.....	Taylor	.....	.....
Keremeos	.....	.....	Telkwa	.....	.....
Kinnaird	151	.....	Tofino	.....	.....
Ladysmith	.....	.....	Ucluelet	.....	.....
Lake Cowichan	.....	.....	Vanderhoof	.....	.....
Lillooet	.....	.....	Warfield	21	.....
Lumby	56	.....	Williams Lake	36	.....
Lytton	.....	.....	Zeballos	.....	.....
McBride	.....	.....			
Marysville	20	.....	Totals	1,552	31

Local Districts (2)

Cache Creek	.....	.....
Guisachan	.....	.....

Fire Districts (19)

Cariboo, County of	.....	.....	Prince Rupert, County of	4	.....
Colwood	.....	.....	Sooke	.....	.....
District Lot 172	.....	.....	University Area	1,145	.....
Ioco	.....	.....	Vancouver, County of	24	.....
Kelowna	.....	.....	Vernon	.....	.....
Kootenay, County of	88	.....	Victoria, County of	12	.....
Langford	18	1	View Royal	.....	.....
Nanaimo, County of	23	.....	Westminster, County of	.....	.....
Ocean Falls	1,220	.....	Yale, County of	33	1
Prince George	.....	.....			
			Totals	2,567	2

	Inspections	Orders
Grand totals, 1962	88,441	192
Grand totals, 1961	93,826	196
Grand totals, 1960	95,259	154
Grand totals, 1959	91,330	498
Grand totals, 1958	91,959	647
Grand totals, 1957	86,684	975
Grand totals, 1956	80,145	875
Grand totals, 1955	78,523	825
Grand totals, 1954	78,284	801
Grand totals, 1953	78,885	562

TABLE III.—FIRES REPORTED

City Municipalities (32)

Districts Reporting	Number	Amount of Loss	Districts Reporting	Number	Amount of Loss
Alberni	25	$26,030	New Westminster	220	$276,772
Armstrong	1	439	North Vancouver	110	122,293
Chilliwack	25	46,151	Penticton	66	54,802
Courtenay	16	5,445	Port Alberni	49	171,506
Cranbrook	27	10,439	Port Coquitlam	10	28,762
Dawson Creek	45	94,917	Port Moody	17	1,780
Duncan	28	16,270	Prince George	73	83,689
Enderby	5	689	Prince Rupert	37	131,275
Fernie	9	18,359	Revelstoke	19	66,218
Grand Forks	8	10,977	Rossland	13	16,761
Greenwood	3	545	Trail	44	68,386
Kamloops	51	32,764	Vancouver	1,920	2,012,773
Kelowna	82	68,658	Vernon	41	8,355
Kimberley	15	6,556	Victoria	433	372,474
Langley	8	471	White Rock	31	4,285
Nanaimo	91	173,296			
Nelson	48	34,243	Totals	3,570	$3,966,380

District Municipalities (30)

Burnaby	386	$241,705	Oak Bay	122	$61,326
Central Saanich	10	20,139	Peachland	6	2,276
Chilliwhack	59	227,825	Pitt Meadows	7	17,478
Coldstream	11	7,475	Powell River	23	28,361
Coquitlam	86	48,410	Richmond	164	83,559
Delta	61	167,840	Saanich	274	83,948
Esquimalt	71	9,511	Salmon Arm	15	90,606
Fraser Mills	.....	.....	Spallumcheen	4	4,040
Kent	9	20,796	Sumas	15	66,115
Kitimat	34	10,307	Summerland	18	12,094
Langley	49	83,620	Surrey	307	302,345
Maple Ridge	50	264,158	Tadanac	32	4,977
Matsqui	30	31,279	Terrace	26	11,047
Mission	18	66,388	West Vancouver	145	28,352
North Cowichan	31	52,205			
North Vancouver	207	227,555	Totals	2,270	$2,275,737

Town Municipalities (4)

Fort St. John	10	$2,908	Quesnel	28	$40,269
Mission City	24	6,624			
North Kamloops	17	11,219	Totals	79	$61,020

TABLE III.—FIRES REPORTED—*Continued*

Village Municipalities (60)

Districts Reporting	Number	Amount of Loss	Districts Reporting	Number	Amount of Loss
Abbotsford	13	$4,518	Masset	------	------
Aennofield	1	3,300	Merritt	12	$18,770
Alert Bay	1	957	Montrose	2	546
Ashcroft	3	951	Natal	1	20
Burns Lake	3	158	New Denver	1	53
Campbell River	23	2,849	Oliver	10	286,346
Castlegar	8	1,621	Osoyoos	10	1,136
Chapman Camp	1	6,500	Parksville	5	6,791
Chetwynd	1	1,500	Pemberton	------	------
Comox	1	50	Pouce Coupe	2	161
Creston	9	1,240	Princeton	11	17,027
Cumberland	8	16,966	Qualicum Beach	6	683
Fort St. James	1	100	Salmo	2	84
Fruitvale	3	11,836	Salmon Arm	7	499
Gibsons Landing	2	85	Sechelt	------	------
Golden	5	2,894	Sidney	14	12,970
Harrison Hot Springs	1	3,668	Silverton	1	7,300
Hazelton	1	8,575	Slocan	------	------
Hope	4	424	Smithers	14	11,832
Houston	2	65,025	Squamish	3	1,372
Invermere	------	------	Stewart	1	100
Kaslo	3	11,536	Taylor	2	14,331
Keremeos	5	5,644	Telkwa	------	------
Kinnaird	4	1,904	Tofino	------	------
Ladysmith	15	28,198	Ucluelet	------	------
Lake Cowichan	6	7,637	Vanderhoof	4	89,697
Lillooet	1	5,500	Warfield	7	24,831
Lumby	2	155	Williams Lake	10	19,650
Lytton	------	------	Zeballos	1	11,665
McBride	3	505			
Marysville	5	432	Totals	261	$720,592

Local Districts (2)

Cache Creek	------	------
Guisachan	2	$440
Totals	2	$440

Fire Districts (19)

Cariboo, County of	302	$1,910,095	Sooke	3	$174
Colwood	19	355,110	University Area	21	4,184
District Lot 172	1	21	Vancouver, County of	90	550,269
Ioco	------	------	Vernon	------	------
Kelowna	24	18,771	Victoria, County of	56	47,529
Kootenay, County of	218	474,483	View Royal	16	14,440
Langford	24	20,369	Westminster, County of	57	215,766
Nanaimo, County of	244	706,496	Yale, County of	270	770,388
Ocean Falls	5	4,671			
Prince George	------	------	Totals	1,430	$7,322,701
Prince Rupert, County of	80	2,229,935			
			Grand totals	7,612	$14,346,870

TABLE III.—FIRES REPORTED—*Continued*

Construction of Buildings Burned

	Number	Amount of Loss
Fire resistive—		
City municipalities	19	$50,932
District municipalities	18	5,664
Town municipalities	------	----------
Village municipalities	------	----------
Local districts	------	----------
Fire districts	7	32,266
Brick, concrete, or heavy timber—		
City municipalities	270	1,189,218
District municipalities	33	77,677
Town municipalities	1	197
Village municipalities	4	279,679
Local districts	------	----------
Fire districts	8	43,155
Wood frame—		
City municipalities	2,634	2,531,426
District municipalities	1,838	2,061,708
Town municipalities	67	58,259
Village municipalities	218	433,303
Local districts	2	440
Fire districts	1,066	6,651,604
Metal or corrugated iron—		
City municipalities	647	194,804
District municipalities	381	130,688
Town municipalities	11	2,564
Village municipalities	39	7,610
Local districts	------	----------
Fire districts	349	595,676
Totals	7,612	$14,346,870

TABLE IV.—CAUSES OF FIRES

Causes of Fires	Total Number		Amount of Loss	
Boilers or boiler-pipes defective or overheated		1		$1,962
Candles and open flames		52		9,826
Chemical explosion		2		731
Children playing with fire		21		10,153
Chimneys—				
Defective or overheated	142		$320,786	
Sparks from	73		155,359	
		215		476,145
Collision		18		37,962
Defective battery connection		5		2,441
Defective brooder		4		8,910
Defective muffler		4		136
Defective oven		2		55,079
Defective wiring		116		247,436
Dust explosion		2		1,960
Electrical appliances and equipment (improper use of appliance or defective equipment)		423		686,281
Electrical wiring overloaded		26		76,215
Electro-welding equipment, sparks from		1		643
Engine back-firing		149		74,648
Exposure		71		65,596
Fireplaces—				
Defective	31		$6,142	
Sparks from	180		46,820	
		211		52,962
Fireworks		48		10,477
Friction—				
In brake drum	10		$16,272	
In conveyor belt	2		2,501	
In machinery	10		78,202	
In pulley	4		26,871	
In tires	17		27,988	
		43		151,834

TABLE IV.—CAUSES OF FIRES—*Continued*

Causes of Fires	Total Number		Amount of Loss	
Furnaces or furnace-pipes—				
Combustible materials too near	11		$9,068	
Defective	17		53,633	
Insufficiently protected	15		38,550	
Sparks from	14		24,575	
		57		$125,826
Gas, liquefied petroleum—				
Explosion	9		$34,399	
Improper installation of appliance	4		9,585	
Improper use of or defective equipment	17		99,318	
		30		143,302
Gas, natural—				
Explosion	16		$58,188	
Improper installation of appliance	1		45	
Improper use of or defective equipment	15		19,638	
		32		77,871
Gasoline—				
Broken line	91		$56,463	
Carelessness with	64		109,362	
On exhaust-pipe	54		53,728	
Stoves, lamps, torches	29		30,190	
Used in cleaning	6		13,062	
Used to kindle fire	8		10,859	
Vapour explosion	67		122,973	
		319		396,637
Heat radiation		10		2,226
Hot ashes, coals, etc.		62		38,505
Hot grease, oil, tar, etc., ignition of		400		212,717
Incendiary		238		648,352
Inflammable vapours, ignition of		32		44,889
Kerosene—				
Carelessness with	1		$175	
Stoves, lamps, torches	7		22,927	
Used to kindle fire	1		1,050	
		9		24,152
Lightning		11		15,828
Matches—				
Carelessness with	33		$24,839	
Children with	192		145,255	
		225		170,094
Molten metal		8		19,471
Motor-vehicle upset		22		37,868
Oil burners—				
Broken line	1		$4,500	
Defective	99		136,905	
Defective equipment	41		33,342	
Explosion	61		68,818	
Sparks from	2		8,416	
		204		251,981
Oxy-gas welding or cutting equipment, etc.—				
Defective	6		$5,554	
Improper use of	14		38,798	
Sparks from	38		377,591	
		58		421,943
Short circuit		661		761,532
Smokers' carelessness—				
In bed	264		$97,918	
In the home	1,474		380,291	
In public premises	5		8,855	
In unlisted locations	582		388,273	
While intoxicated	10		7,873	
		2,335		883,210
Sparks from bonfire		102		170,161
Sparks from bush fire		5		36,071
Sparks from engine		2		24,514
Sparks from grinder		3		1,203
Sparks from mill burner		14		158,500
Spontaneous ignition		21		79,125
Steam-pipe insufficiently protected		1		250

TABLE IV.—CAUSES OF FIRES—*Continued*

Causes of Fires	Total Number		Amount of Loss	
Stoves or stove-pipes—				
Combustible materials too near	176		$100,685	
Defective	29		23,939	
Explosion	8		7,323	
Insufficiently protected	99		168,311	
Sparks from	32		102,935	
		344		$403,193
Sulphur, ignition of		1		52
Thawing pipes		20		20,951
Unknown		972		7,205,049
Totals		7,612		$14,346,870

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES

Property		Causes		Amount of Loss	
Apartments	320	Candles and open flames	3	$439	
		Children playing with fire	1	175	
		Chimneys—			
		Defective	1	25	
		Sparks from	1	201	
		Defective wiring	1	57	
		Electrical appliances	15	7,426	
		Exposure	1	140	
		Fireplaces—			
		Defective	2	385	
		Sparks from	1	10,710	
		Fireworks	2	98	
		Gas, liquefied petroleum, explosion	2	17,171	
		Gas, natural, explosion	1	606	
		Gasoline stoves, lamps	2	2,664	
		Hot ashes	1	500	
		Hot grease, ignition of	28	5,920	
		Incendiary	8	7,493	
		Inflammable vapours, ignition of	1	257	
		Matches—			
		Carelessness with	1	24	
		Children with	1	45	
		Oil burners—			
		Defective	1	1,170	
		Defective equipment	3	524	
		Explosion	2	239	
		Sparks from	1	916	
		Short circuit	14	3,849	
		Smokers' carelessness—			
		In bed	36	7,746	
		In the home	88	15,704	
		In unlisted locations	56	24,126	
		While intoxicated	1	25	
		Stoves or stove-pipes—			
		Combustible materials too near	10	6,489	
		Explosion	1	30	
		Insufficiently protected	2	983	
		Unknown	32	262,232	
					$378,369
Bakeries	10	Defective oven	1	$354	
		Oxy-gas welding or cutting equipment, sparks from	1	2,342	
		Short circuit	2	350	
		Smokers' carelessness	4	111	
		Unknown	2	1,131	
					4,288
Barber-shops and beauty-parlours	3	Exposure	1	$871	
		Smokers' carelessness	1	8	
		Unknown	1	623	
					1,502
Barges and scows	1	Unknown	1		505
Barns and stables	39	Electrical appliances	2	$4,535	
		Fireworks	1	200	
		Hot grease, ignition of	1	5,000	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Incendiary	4	$3,770	
		Matches, children with	4	2,007	
		Short circuit	1	9,000	
		Smokers' carelessness	2	550	
		Sparks from bonfire	7	9,461	
		Spontaneous ignition	3	1,526	
		Unknown	14	65,041	
					$101,090
Barracks	4	Electrical appliances	1	$519	
		Smokers' carelessness	2	6,344	
		Unknown	1	51,793	
					58,656
Blacksmith-shops	2	Oxy-gas welding or cutting equipment, sparks from	1	$27,495	
		Unknown	1	6,577	
					34,072
Boarding-houses	6	Chimney, defective	1	$92	
		Electrical appliances	1	19	
		Electrical wiring overloaded	1	64	
		Smokers' carelessness—			
		In bed	1	37	
		In the home	1	1,554	
		Unknown	1	56	
					1,822
Boat-building works	3	Exposure	1	$4,371	
		Oxy-gas welding or cutting equipment, sparks from	1	200	
		Short circuit	1	181	
					4,752
Boat-houses	1	Heat radiation	1		1,551
Bottling-works	2	Oil burner, defective	1	$328	
		Short circuit	1	30	
					358
Bowling-alleys	3	Gas, liquefied petroleum, improper installation of appliance	1	$50	
		Smokers' carelessness	1	30	
		Unknown	1	26	
					106
Breweries	1	Oxy-gas welding or cutting equipment, sparks from	1		15,220
Bridges	1	Open flame	1		550
Buildings under construction	5	Exposure	1	$1,000	
		Oxy-gas welding or cutting equipment—			
		Defective	1	207	
		Improper use of	1	140	
		Smokers' carelessness	1	800	
		Unknown	1	154	
					2,301
Bunk-houses	9	Defective wiring	1	$16,156	
		Oil burner, explosion	1	3,413	
		Stoves or stove-pipes—			
		Explosion	1	1,156	
		Insufficiently protected	2	2,728	
		Unknown	4	13,958	
					37,411
Canneries (fish)	1	Unknown	1		1,787,214
Chemical plants	1	Unknown	1		1,123
Churches and church properties	13	Chimneys—			
		Defective	1	$37	
		Sparks from	1	50,000	
		Electrical appliances	2	13,678	
		Incendiary	3	1,043	
		Oil burner, defective	1	2,095	
		Short circuit	1	21	
		Smokers' carelessness	1	158	
		Spontaneous ignition	2	19,900	
		Unknown	1	84,477	
					171,409
Club-houses (golf, yacht, etc.)	4	Incendiary	1	$25	
		Smokers' carelessness	2	41,700	
		Unknown	1	20,626	
					62,351

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
Clubs	12	Electrical appliances	1	$1,675	
		Exposure	1	222	
		Incendiary	1	117	
		Smokers' carelessness	6	11,574	
		Stoves or stove-pipes, combustible materials too near	1	18	
		Unknown	2	63,314	
					$76,920
Coal and lumber yards	4	Gasoline carelessness	1	$30	
		Incendiary	1	1,015	
		Sparks from bonfire	1	1,414	
		Unknown	1	1,000	
					3,459
Cold-storage plants	1	Electrical appliances	1		500
Compressors	2	Short circuit	1	$300	
		Unknown	1	13,669	
					13,969
Cook-houses	6	Gas, liquefied petroleum, improper installation of appliance	2	$12,800	
		Oil-burning equipment, defective	1	4,582	
		Stove insufficiently protected	1	146	
		Unknown	2	30,606	
					48,134
Copper-mills	1	Molten metal	1		10,580
Cranes	1	Unknown	1		25
Dairies	1	Hot grease, ignition of	1		501
Distilleries	1	Incendiary	1		28,000
Dredges	3	Short circuit	1	$45	
		Smokers' carelessness	1	30	
		Unknown	1	400	
					475
Dry-cleaning plants	7	Electrical appliances	1	$446	
		Friction in machinery	1	268	
		Matches, children with	1	100	
		Smokers' carelessness	1	50	
		Unknown	3	30,243	
					31,107
Dwellings	4,302	Candles and open flames	44	$6,097	
		Children playing with fire	16	9,300	
		Chimneys—			
		Defective or overheated	122	172,784	
		Sparks from	66	104,650	
		Defective wiring	27	93,731	
		Electrical appliances	306	113,492	
		Electrical wiring overloaded	13	6,924	
		Engine back-firing	1	256	
		Exposure	26	25,456	
		Fireplaces—			
		Defective	27	5,127	
		Sparks from	177	35,683	
		Fireworks	22	6,313	
		Furnaces or furnace-pipes—			
		Combustible materials too near	10	2,069	
		Defective	11	7,350	
		Insufficiently protected	12	30,654	
		Sparks from	10	23,441	
		Gas, liquefied petroleum—			
		Explosion	2	1,031	
		Improper installation of appliance	2	9,435	
		Improper use of or defective equipment	4	2,579	
		Gas, natural—			
		Explosion	11	35,847	
		Improper installation of appliance	1	45	
		Improper use of or defective equipment	9	6,897	
		Gasoline—			
		Carelessness	26	68,678	
		Stoves, lamps, torches	22	20,976	
		Used in cleaning	5	11,844	
		Used to kindle fire	8	10,859	
		Vapour explosion	7	32,928	
		Heat radiation	4	310	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Hot ashes, coals, etc.	49	$25,009	
		Hot grease, oil, tar, etc., ignition of	318	114,415	
		Incendiary	137	184,621	
		Inflammable vapours, ignition of	24	21,700	
		Kerosene—			
		Stoves, lamps, torches	4	21,584	
		Used to kindle fire	1	1,050	
		Lightning	9	15,188	
		Matches—			
		Carelessness with	21	7,208	
		Children with	138	128,591	
		Molten metal	1	68	
		Oil burners—			
		Defective	68	50,008	
		Defective equipment	30	22,493	
		Explosion	47	40,242	
		Sparks from	1	7,500	
		Oxy-gas welding or cutting equipment—			
		Defective	2	330	
		Improper use of	1	50	
		Short circuit	220	165,389	
		Smokers' carelessness—			
		In bed	132	54,778	
		In the home	1,347	269,154	
		In unlisted locations	28	18,473	
		While intoxicated	4	7,535	
		Sparks from bonfire	42	46,367	
		Sparks from bush fire	1	2,000	
		Sparks from mill burner	1	2,150	
		Spontaneous ignition	6	19,611	
		Stoves or stove-pipes—			
		Combustible materials too near	138	47,134	
		Defective	26	23,252	
		Explosion	3	724	
		Insufficiently protected	73	147,335	
		Sparks from	24	74,911	
		Thawing pipes	13	12,118	
		Unknown	402	1,221,555	
					$3,597,299
Electric-light plants	7	Gasoline-vapour explosion	1	$2,516	
		Short circuit	3	7,657	
		Sparks from engine	1	1,000	
		Unknown	2	3,007	
					14,180
Electric-light and telephone poles	4	Fireworks	1	$225	
		Short circuit	1	501	
		Sparks from mill burner	1	125	
		Unknown	1	410	
					1,261
Electrical repair shops	2	Incendiary	1	$500	
		Oil-burning equipment, defective	1	630	
					1,130
Electrical substations	1	Unknown	1		3,261
Elevators (grain)	1	Friction in pulley	1		864
Engines	2	Defective muffler	1	$46	
		Gasoline carelessness	1	40	
					86
Factories (bed spring)	1	Smokers' carelessness	1		50
Factories (brick)	1	Friction in pulley	1		875
Factories (clothing)	1	Unknown	1		121,725
Factories (food products)	2	Exposure	1	$3,221	
		Stove insufficiently protected	1	1,293	
					4,514
Factories (furniture)	1	Short circuit	1		35,005
Factories (glass)	1	Unknown	1		3,130
Factories (industrial equipment)	1	Unknown	1		278,090
Factories (sash and door)	1	Oxy-gas welding or cutting equipment, improper use of	1		949
Factories (sausage)	1	Hot ashes	1		235
Factories (saw-filing)	1	Electrical wiring overloaded	1		513

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
Factories (upholstery)	2	Smokers' carelessness	1	$6,790	
		Unknown	1	7,300	
					$14,090
Factories (veneer and plywood)	3	Short circuit	1	$322	
		Sparks from mill burner	1	200	
		Spontaneous ignition	1	1,000	
					1,522
Fences	3	Exposure	1	$75	
		Fireworks	1	25	
		Unknown	1	10	
					110
Fertilizer plants	1	Smokers' carelessness	1		43,838
Fire and police stations	4	Incendiary	1	$1,188	
		Short circuit	1	50	
		Smokers' carelessness	1	180	
		Steam-pipe insufficiently protected	1	250	
					1,668
Fish hatcheries	1	Unknown	1		35,113
Fishing-boats	51	Engine back-firing	5	$18,708	
		Exposure	1	903	
		Gasoline—			
		Broken line	1	500	
		Carelessness with	2	2,080	
		On exhaust-pipe	2	8,048	
		Stove	1	1,000	
		Vapour explosion	12	34,482	
		Kerosene stove	1	900	
		Match carelessness	1	687	
		Oil burners—			
		Broken line	1	4,500	
		Defective	3	4,610	
		Explosion	1	1,500	
		Short circuit	3	37,336	
		Stoves or stove-pipes—			
		Combustible materials too near	1	1,899	
		Defective	1	500	
		Insufficiently protected	2	2,549	
		Thawing pipes	1	8,000	
		Unknown	12	43,043	
					171,245
Foundries	6	Electrical wiring overloaded	1	$531	
		Furnaces or furnace-pipes—			
		Insufficiently protected	1	144	
		Sparks from	1	106	
		Hot grease, ignition of	1	654	
		Molten metal	1	7,476	
		Oxy-gas welding or cutting equipment, sparks from	1	2,216	
					11,127
Fruit-packing plants	2	Smokers' carelessness	2		14,528
Gaols and industrial institutions	2	Incendiary	2		5,850
Garages (private)	96	Children playing with fire	2	$125	
		Chimney, defective	1	250	
		Defective wiring	1	473	
		Electrical appliances	3	834	
		Electrical wiring overloaded	3	175	
		Engine back-firing	1	1,815	
		Exposure	5	1,965	
		Fireworks	3	1,972	
		Gasoline—			
		Carelessness with	4	611	
		On exhaust-pipe	1	5,500	
		Vapour explosion	1	400	
		Hot ashes	2	104	
		Incendiary	2	1,475	
		Matches—			
		Carelessness with	1	300	
		Children with	16	6,980	
		Oxy-gas welding or cutting equipment, sparks from	1	8,300	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Short circuit	5	$6,118	
		Smokers' carelessness	3	2,268	
		Sparks from bonfire	9	2,618	
		Spontaneous ignition	2	745	
		Stoves or stove-pipes, combustible materials too near	1	1,325	
		Sulphur, ignition of	1	52	
		Unknown	28	22,057	
					$66,462
Garages (public)	28	Chimneys, defective	2	$3,650	
		Defective wiring	1	51,526	
		Electrical appliances	1	50	
		Exposure	1	328	
		Gas, natural, explosion	1	127	
		Gasoline—			
		Carelessness with	2	22,718	
		Vapour explosion	2	1,972	
		Incendiary	1	17,000	
		Matches, children with	1	80	
		Oil burner, defective	1	3,750	
		Oxy-gas welding or cutting equipment—			
		Defective	1	1,764	
		Improper use of	2	24,160	
		Sparks from	2	6,694	
		Short circuit	2	630	
		Smokers' carelessness	1	60	
		Unknown	7	30,478	
					164,987
Gasoline service-stations	19	Defective wiring	1	$1,450	
		Electrical appliances	1	296	
		Electrical wiring overloaded	1	75	
		Exposure	1	4,500	
		Gas, liquefied petroleum, explosion	1	2,832	
		Gasoline—			
		Broken line	1	65	
		Carelessness with	1	5	
		Vapour explosion	2	1,091	
		Hot oil, ignition of	1	2,228	
		Incendiary	1	72	
		Oil burner, defective	1	182	
		Oxy-gas welding or cutting equipment, defective	1	250	
		Short circuit	1	297	
		Smokers' carelessness	1	4,186	
		Stove explosion	1	802	
		Unknown	3	8,390	
					26,721
Grandstands	2	Smokers' carelessness	1	$7	
		Stove, combustible materials too near	1	54	
					61
Greenhouses	2	Stove insufficiently protected	1	$26	
		Unknown	1	3,200	
					3,226
Halls	25	Defective wiring	1	$441	
		Electrical appliances	1	10	
		Gas, liquefied petroleum, explosion	1	11,300	
		Gas, natural, improper use of	1	186	
		Hot ashes	1	237	
		Incendiary	6	8,843	
		Oil burner, defective	4	26,757	
		Smokers' carelessness	6	436	
		Stove, combustible materials too near	1	54	
		Unknown	3	38,266	
					86,530
Haystacks and balers	1	Incendiary	1		75
Hospitals, institutions, and nursing homes	40	Chimney, defective	1	$1,013	
		Electrical appliances	3	78	
		Fireplace, sparks from	1	377	
		Hot grease, ignition of	1	186	
		Incendiary	5	322	
		Open flame	1	74	
		Short circuit	1	25	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Smokers' carelessness—			
		In bed	11	$565	
		In unlisted locations	10	10,720	
		Spontaneous ignition	1	125	
		Stoves or stove-pipes—			
		Combustible materials too near	1	221	
		Defective	1	100	
		Unknown	3	4,486	
					$18,292
Hospitals (animal)	1	Incendiary	1		1,191
Hotels	115	Chimneys, defective or overheated	3	$138,294	
		Defective wiring	1	55,000	
		Electrical appliances	3	729	
		Fireplace, defective	1	480	
		Gas, natural, explosion	1	110	
		Hot grease, ignition of	2	47,953	
		Incendiary	1	829	
		Oil-burner explosion	2	9,141	
		Short circuit	2	216	
		Smokers' carelessness—			
		In bed	51	6,412	
		In unlisted locations	31	15,632	
		While intoxicated	1	126	
		Spontaneous ignition	1	17,500	
		Stoves or stove-pipes—			
		Combustible materials too near	1	75	
		Insufficiently protected	1	57	
		Unknown	13	130,777	
					423,331
House-boats	2	Kerosene stove	1	$427	
		Oil-burning equipment, defective	1	50	
					477
Laboratories (soil-testing)	1	Electrical appliances	1		500
Launches	32	Defective battery connection	1	$2,373	
		Defective wiring	2	165	
		Electrical appliances	1	300	
		Engine back-firing	3	7,031	
		Exposure	2	2,020	
		Gasoline—			
		Broken line	2	5,492	
		Vapour explosion	8	25,279	
		Match carelessness	1	2,500	
		Oil burner, defective	1	22	
		Short circuit	1	6,450	
		Smokers' carelessness	1	86	
		Stoves or stove-pipes—			
		Defective	1	15	
		Insufficiently protected	2	5,700	
		Unknown	6	48,603	
					106,036
Laundries	16	Electrical appliances	4	$762	
		Friction in machinery	1	195	
		Match carelessness	1	225	
		Short circuit	2	82	
		Smokers' carelessness	3	420	
		Unknown	5	774	
					2,458
Logging camps	16	Electrical appliances	1	$791	
		Friction in machinery	3	67,226	
		Oxy-gas welding or cutting equipment, sparks from	1	44,907	
		Sparks from bonfire	2	61,770	
		Sparks from bush fire	2	33,167	
		Unknown	7	73,444	
					281,305
Machine-shops	10	Engine back-firing	1	$15	
		Furnace insufficiently protected	1	7,552	
		Kerosene carelessness	1	175	
		Oxy-gas welding or cutting equipment, sparks from	1	72	
		Short circuit	1	97	
		Smokers' carelessness	1	4,952	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Stove, sparks from	1	$4,396	
		Unknown	3	178,117	
					$195,376
Meat-packing plants	2	Defective oven	1	$54,725	
		Unknown	1	75,597	
					130,322
Medical clinics	1	Oil burner, defective	1		70
Mines and mining properties	1	Electrical appliances	1		1,812
Motor courts	79	Electrical appliances	4	$867	
		Gas, liquefied petroleum—			
		Explosion	2	1,988	
		Improper use of or defective equipment	2	105	
		Gasoline stove	1	2,260	
		Hot grease, ignition of	4	974	
		Matches, children with	3	84	
		Oil-burning equipment, defective	1	1,237	
		Short circuit	2	664	
		Smokers' carelessness—			
		In bed	15	25,046	
		In unlisted locations	28	30,263	
		While intoxicated	1	125	
		Sparks from bonfire	1	420	
		Stoves or stove-pipes—			
		Combustible materials too near	4	78	
		Defective	1	429	
		Insufficiently protected	1	25	
		Sparks from	1	2,213	
		Thawing pipes	1	5	
		Unknown	7	37,493	
					104,276
Motor-vehicles (*1,382)—					
Automobiles, passenger	1,038	Collision	12	$8,660	
		Defective battery connection	4	68	
		Defective muffler	1	10	
		Defective wiring	57	4,533	
		Electrical appliances	24	2,442	
		Engine back-firing	106	22,723	
		Exposure	5	568	
		Fireworks	1	46	
		Friction—			
		In brake drum	4	2,268	
		In tires	11	15,212	
		Gasoline—			
		Broken line	52	15,951	
		Carelessness with	7	4,102	
		On exhaust pipe	25	5,158	
		Vapour explosion	16	3,478	
		Heat radiation	2	65	
		Hot grease, oil, tar, etc., ignition of	5	2,021	
		Incendiary	5	6,874	
		Inflammable vapours, ignition of	1	500	
		Matches—			
		Carelessness with	3	823	
		Children with	3	2,004	
		Motor-vehicle upset	4	6,819	
		Oxy-gas welding or cutting equipment—			
		Improper use of	6	4,957	
		Sparks from	5	919	
		Short circuit	277	49,887	
		Smokers' carelessness	259	32,878	
		Sparks from bonfire	2	573	
		Unknown	141	40,884	
				$234,423	
Buses	6	Friction in tires	1	$176	
		Gasoline-vapour explosion	1	220	
		Oxy-gas welding or cutting equipment, sparks from	1	1,100	
		Short circuit	3	138	
				$1,634	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss
Motor-vehicles—*Continued*				
Motor-cycles	19	Collision	2	$3,600
		Engine back-firing	5	405
		Gasoline—		
		Broken line	4	834
		Carelessness with	1	50
		On exhaust-pipe	3	165
		Vapour explosion	1	250
		Motor-cycle upset	3	274
				$5,578
Tractors (bulldozers, graders, etc.)	94	Defective wiring	1	$28
		Electrical appliances	1	1,604
		Engine back-firing	10	14,056
		Friction in tires	1	7,500
		Gasoline—		
		Broken line	12	8,516
		Carelessness with	10	1,863
		On exhaust-pipe	4	5,095
		Vapour explosion	7	6,451
		Hot grease, ignition of	1	1,011
		Inflammable vapours, ignition of	1	3,395
		Motor-vehicle upset	2	2,976
		Oxy-gas welding or cutting equipment—		
		Improper use of or defective equipment	1	1,042
		Sparks from	5	6,242
		Short circuit	15	20,886
		Smokers' carelessness	2	132
		Sparks from bonfire	1	500
		Sparks from bush fire	1	169
		Unknown	19	57,386
				$138,852
Trailers and semi-trailers	7	Friction—		
		In brake drum	2	$10,578
		In tires	3	4,975
		Gas, liquefied petroleum, improper use of or defective equipment	1	1,140
		Inflammable vapours, ignition of	1	700
				$17,393
Trucks	218	Collision	4	$25,702
		Defective muffler	2	80
		Defective wiring	14	6,097
		Electrical appliances	3	954
		Engine back-firing	17	9,639
		Exposure	4	1,132
		Friction—		
		In brake drum	4	3,426
		In tires	1	125
		Gas, liquefied petroleum, improper use of or defective equipment	1	50
		Gasoline—		
		Broken line	17	22,820
		Carelessness with	3	819
		On exhaust-pipe	19	29,762
		Vapour explosion	2	1,935
		Hot ashes	2	35
		Hot grease, oil, tar, etc., ignition of	3	284
		Incendiary	2	1,020
		Inflammable vapours, ignition of	1	523
		Matches, children with	1	35
		Motor-vehicle upset	13	27,799
		Oxy-gas welding or cutting equipment—		
		Improper use of	1	6,500
		Sparks from	1	5
		Short circuit	49	32,138
		Smokers' carelessness	13	2,088

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Sparks from bonfire	4	$2,368	
		Unknown	37	103,943	
				$279,279	
					*$677,159
Mushroom-houses	5	Chimney, sparks from	1	$222	
		Defective brooder	1	3,000	
		Gasoline-vapour explosion	1	1,800	
		Short circuit	1	25	
		Unknown	1	4,500	
					9,547
Offices	43	Chimney, defective	1	$125	
		Electrical appliances	4	25,471	
		Electrical wiring overloaded	1	50	
		Exposure	1	565	
		Furnace, sparks from	1	60	
		Incendiary	4	17,378	
		Match carelessness	1	12,445	
		Oil burners—			
		Defective	4	4,149	
		Explosion	1	60	
		Open flame	1	1,895	
		Short circuit	2	67	
		Smokers' carelessness	13	2,676	
		Stoves or stove-pipes—			
		Combustible materials too near	2	72	
		Explosion	1	4,057	
		Sparks from	1	80	
		Thawing pipes	1	84	
		Unknown	4	1,820	
					71,054
Oil-houses	2	Gasoline carelessness	1	$100	
		Unknown	1	687	
					787
Paper and pulp mills	4	Electrical appliances	1	$877	
		Sparks from bonfire	1	100	
		Unknown	2	2,760	
					3,737
Piggeries	2	Electrical appliances	1	$25	
		Stove, sparks from	1	14,470	
					14,495
Pile-drivers	1	Gasoline-vapour explosion	1		4,402
Pipe-lines (natural gas)	1	Gas, natural, explosion	1		20,973
Poolrooms	1	Chimney, sparks from	1		100
Post offices	2	Stove, defective	1	$87	
		Thawing pipes	1	113	
					200
Poultry-houses	17	Defective brooder	3	$5,910	
		Electrical appliances	2	47,409	
		Matches, children with	1	5	
		Oil-burner explosion	1	123	
		Smokers' carelessness	1	200	
		Sparks from bonfire	2	614	
		Stoves or stove-pipes—			
		Combustible materials too near	1	24,206	
		Sparks from	1	260	
		Thawing pipes	1	96	
		Unknown	4	8,875	
					87,698
Power-houses	2	Unknown	2		5,505
Power-saws	1	Gasoline carelessness	1		1,485
Power-shovels	1	Gasoline-line, broken	1		35
Printing plants	2	Unknown	2		178
Pumps and pump-houses	7	Electrical appliances	1	$700	
		Gasoline carelessness	1	100	
		Short circuit	2	1,483	
		Thawing pipes	1	335	
		Unknown	2	7,126	
					9,744
Radio stations	1	Defective wiring	1		50
Railroad rolling-stock	3	Hot ashes	1	$650	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Hot grease, ignition of	1	$1,253	
		Unknown	1	18,000	
					$19,903
Railroad stations and properties	7	Hot grease, ignition of	1	$8,000	
		Open flame	1	750	
		Smokers' carelessness	1	100	
		Stove insufficiently protected	1	350	
		Unknown	3	39,901	
					49,101
Refineries (gasoline, natural gas, or oil)	4	Friction in machinery	1	$500	
		Gas, natural, improper use of or defective equipment	1	9,284	
		Inflammable vapours, ignition of	1	2,639	
		Unknown	1	8,000	
					20,423
Restaurants	58	Chimney, defective	1	$333	
		Electrical appliances	4	724	
		Electrical wiring overloaded	1	20	
		Fireplace, defective	1	150	
		Fireworks	2	110	
		Furnace, combustible materials too near	1	6,999	
		Gas, liquefied petroleum, improper use of or defective equipment	1	4,713	
		Gas, natural, improper use of or defective equipment	2	2,034	
		Gasoline stove	1	50	
		Hot ashes	2	1,619	
		Hot grease, oil, tar, etc., ignition of	15	12,581	
		Incendiary	1	74	
		Oil-burner, explosion	1	28	
		Oxy-gas welding or cutting equipment, sparks from	1	150	
		Short circuit	6	26,346	
		Smokers' carelessness	7	9,407	
		Stoves or stove-pipes—			
		Combustible materials too near	1	20	
		Explosion	1	554	
		Insufficiently protected	2	1,070	
		Unknown	7	36,713	
					103,695
Rinks (curling)	1	Smokers' carelessness	1		99,134
Rooming-houses	60	Chimneys—			
		Defective or overheated	3	$1,398	
		Sparks from	1	71	
		Electrical appliances	2	752	
		Electrical wiring overloaded	1	30	
		Furnace, sparks from	1	36	
		Hot grease, ignition of	2	1,960	
		Incendiary	4	1,344	
		Match carelessness	1	86	
		Oil-burner explosion	1	550	
		Short circuit	1	419	
		Smokers' carelessness—			
		In bed	10	1,067	
		In the home	11	1,368	
		In unlisted locations	10	791	
		While intoxicated	3	62	
		Stoves, combustible materials too near	3	7,534	
		Unknown	6	12,269	
					29,737
Sawmills	74	Electrical appliances	1	$53,248	
		Electrical wiring overloaded	1	66,885	
		Friction—			
		In conveyor belt	2	2,501	
		In machinery	4	10,013	
		In pulley	1	24,982	
		Furnace, defective	1	1,000	
		Gasoline-vapour explosion	1	334	
		Hot grease, ignition of	1	1,021	
		Incendiary	1	1,800	
		Lightning	1	590	
		Oil-burning equipment, defective	1	2,867	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Oxy-gas welding or cutting equipment, sparks from	6	$91,307	
		Short circuit	5	127,905	
		Smokers' carelessness	1	6,500	
		Sparks from bonfire	3	30,840	
		Sparks from bush fire	1	735	
		Sparks from engine	1	23,514	
		Sparks from mill burner	9	155,725	
		Unknown	33	1,028,617	
					$1,630,384
Schools	24	Electrical appliances	2	$513	
		Gas, liquefied petroleum—			
		Improper installation of appliance	1	100	
		Improper use of or defective equipment	1	15,000	
		Hot grease, oil, tar, etc., ignition of	2	689	
		Incendiary	7	304,549	
		Oil burner, defective	2	2,558	
		Smokers' carelessness	4	8,930	
		Unknown	5	95,535	
					427,874
Sheds	139	Chemical explosion	1	$200	
		Chimneys, defective or overheated	2	45	
		Defective wiring	3	3,308	
		Electrical appliances	1	138	
		Exposure	5	2,120	
		Fireworks	4	830	
		Gas, natural, improper use of or defective equipment	1	1,200	
		Gasoline—			
		Carelessness with	1	3,794	
		Used in cleaning	1	1,218	
		Vapour explosion	3	3,635	
		Hot ashes	1	626	
		Incendiary	18	25,421	
		Matches, children with	18	4,688	
		Oil burner, defective	1	850	
		Short circuit	3	11,635	
		Smokers' carelessness	8	1,675	
		Sparks from bonfire	19	11,151	
		Sparks from mill burner	1	100	
		Spontaneous ignition	1	600	
		Stoves or stove-pipes—			
		Combustible materials too near	3	2,325	
		Insufficiently protected	4	1,620	
		Unknown	40	92,218	
					169,397
Sheet-metal works	4	Exposure	1	$108	
		Fireworks	1	97	
		Short circuit	1	321	
		Sparks from bonfire	1	88	
					614
Shingle-mills	3	Oxy-gas welding or cutting equipment, sparks from	1	$200	
		Sparks from mill burner	1	200	
		Unknown	1	850	
					1,250
Ships	6	Dust explosion	2	$1,960	
		Incendiary	1	1,394	
		Oxy-gas welding or cutting equipment, sparks from	1	367	
		Unknown	2	23,010	
					26,731
Shipyards	5	Oxy-gas welding or cutting equipment, sparks from	1	$50	
		Short circuit	1	15	
		Unknown	3	41,941	
					42,006
Slaughter-houses	1	Electrical appliances	1		116
Smelting plants	25	Chimney, defective	1	$100	
		Electrical appliances	1	10	
		Electrical wiring overloaded	1	160	
		Friction in pulley	1	150	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Furnaces or furnace-pipes—			
		Defective	2	$60	
		Insufficiently protected	1	200	
		Heat radiation	2	150	
		Hot grease, ignition of	1	310	
		Lightning	1	50	
		Molten metal	3	463	
		Oil-burning equipment, defective	1	50	
		Oxy-gas welding or cutting equipment, sparks from	2	55	
		Short circuit	5	1,067	
		Spontaneous ignition	1	100	
		Thawing pipes	1	200	
		Unknown	1	22,327	
					$25,452
Smoke-houses	1	Fireworks	1		75
Steel-fabricating plants	2	Molten metal	1	$859	
		Sparks from grinder	1	353	
					1,212
Stores	175	Chimneys—			
		Defective or overheated	2	$820	
		Sparks from	2	115	
		Defective wiring	2	4,700	
		Electrical appliances	13	389,197	
		Electrical wiring overloaded	2	1,319	
		Exposure	7	12,394	
		Fireworks	6	168	
		Furnaces or furnace-pipes, defective	3	45,223	
		Gas, liquefied petroleum, improper use of or defective equipment	1	58,905	
		Hot ashes	2	9,490	
		Hot grease, oil, tar, etc., ignition of	6	4,019	
		Incendiary	8	5,348	
		Kerosene lamp	1	16	
		Matches, children with	2	314	
		Oil burner, defective	3	460	
		Short circuit	12	196,577	
		Smokers' carelessness	60	43,540	
		Sparks from bonfire	2	144	
		Stoves or stove-pipes—			
		Combustible materials too near	3	8,619	
		Insufficiently protected	2	1,356	
		Sparks from	3	6,605	
		Unknown	33	470,447	
					1,259,776
Stores and apartments	32	Children playing with fire	1	$533	
		Electrical appliances	1	2,706	
		Exposure	3	2,474	
		Fireworks	3	318	
		Hot grease, ignition of	1	340	
		Match carelessness	1	241	
		Oil-burning equipment, defective	1	494	
		Smokers' carelessness	18	3,425	
		Unknown	3	16,725	
					27,256
Stores and dwellings	19	Chimney, defective	1	$1,840	
		Electrical appliances	3	6,043	
		Fireplace, sparks from	1	50	
		Gas, natural, improper use of or defective equipment	1	37	
		Heat radiation	1	150	
		Incendiary	1	4,386	
		Matches, children with	1	65	
		Oil burner, defective	1	631	
		Smokers' carelessness	4	11,920	
		Stove insufficiently protected	1	135	
		Unknown	4	23,951	
					49,208
Stores and offices	10	Incendiary	1	$1,249	
		Oil burner, defective	1	2,776	

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
		Smokers' carelessness	5	$8,362	
		Unknown	3	127,456	
					$139,843
Stores and rooms	10	Exposure	1	$543	
		Hot grease, ignition of	2	397	
		Short circuit	1	75	
		Smokers' carelessness	5	7,892	
		Unknown	1	33,505	
					42,412
Tar-pots	2	Gas, liquefied petroleum, explosion	1	$77	
		Hot tar, ignition of	1	500	
					577
Tents	5	Gasoline carelessness	1	$37	
		Sparks from bonfire	3	1,703	
		Unknown	1	456	
					2,196
Theatres	5	Incendiary	1	$10	
		Short circuit	3	2,175	
		Smokers' carelessness	1	86	
					2,271
Trailers (house)	47	Candle carelessness	1	$21	
		Electrical appliances	3	4,033	
		Gas, liquefied petroleum, improper use of or defective equipment	4	4,026	
		Gas, natural, explosion	1	525	
		Gasoline—			
		Carelessness with	1	4,780	
		Stoves, lamps	2	3,240	
		Inflammable vapours, ignition of	1	550	
		Matches, children with	1	61	
		Oil burners—			
		Defective	4	19,789	
		Defective equipment	1	415	
		Explosion	2	5,600	
		Short circuit	3	7,790	
		Smokers' carelessness	8	660	
		Stoves or stove-pipes—			
		Combustible materials too near	2	118	
		Insufficiently protected	3	2,938	
		Unknown	10	29,054	
					83,600
Tugboats	4	Gasoline-vapour explosion	1	$1,800	
		Oil burner, defective	1	16,700	
		Smoking in bed	1	700	
		Unknown	1	2,500	
					21,700
Warehouses	30	Boiler, defective or overheated	1	$1,962	
		Defective wiring	2	9,721	
		Exposure	1	620	
		Furnace, sparks from	1	932	
		Incendiary	2	14,036	
		Inflammable vapours, ignition of	1	14,625	
		Matches—			
		Carelessness with	1	300	
		Children with	1	196	
		Molten metal	1	25	
		Oil-burner explosion	2	7,922	
		Oxy-gas welding or cutting equipment—			
		Improper use of	1	1,000	
		Sparks from	2	52,525	
		Short circuit	2	8,221	
		Smokers' carelessness	2	12,170	
		Sparks from bonfire	2	30	
		Spontaneous ignition	1	200	
		Unknown	7	38,959	
					163,444
Welding-machines	2	Electro-welding equipment, sparks from	1	$643	
		Hot oil, ignition of	1	500	
					1,143
Welding-shops	3	Incendiary	1	$40	
		Sparks from grinder	2	850	
					890

TABLE V.—CLASSIFICATION OF PROPERTY BURNED AND CAUSES—*Continued*

Property		Causes		Amount of Loss	
Wharves	2	Oxy-gas welding or cutting equipment, sparks from	1	$117,000	
		Smokers' carelessness	1	300	
					$117,300
Woodworking plants	2	Spontaneous ignition	1	$14,809	
		Unknown	1	1,267	
					16,076
Workshops	11	Gasoline carelessness	1	$320	
		Oxy-gas welding or cutting equipment—			
		Defective	1	3,003	
		Sparks from	1	225	
		Short circuit	1	33	
		Spontaneous ignition	1	3,009	
		Unknown	6	4,249	
					10,839
Totals	7,612				$14,346,870

TABLE VI.—SUMMARY

Fires Reported

	City Municipalities (32)	District Municipalities (30)	Town Municipalities (4)	Village Municipalities (60)	Local Districts (2)	Fire Districts (19)	Total
1962							
January	368	244	6	37	.....	130	785
February	293	189	9	17	.....	108	616
March	355	203	4	26	.....	113	701
April	309	171	8	27	.....	113	628
May	277	187	4	21	.....	104	593
June	281	180	3	20	.....	140	624
July	296	177	3	21	.....	169	666
August	266	175	5	20	.....	126	592
September	266	192	6	24	.....	105	593
October	292	211	6	15	.....	93	617
November	269	165	13	10	1	111	569
December	298	176	12	23	1	118	628
Totals	3,570	2,270	79	261	2	1,430	7,612

Amount of Loss

1962							
January	$392,803	$207,058	$10,476	$23,329	.....	$2,308,822	$2,942,488
February	825,760	339,264	6,219	30,005	.....	302,502	1,503,750
March	238,388	174,035	1,655	297,514	.....	475,614	1,187,206
April	332,458	100,767	390	38,602	.....	835,723	1,307,940
May	111,978	123,516	4,445	19,255	.....	385,450	644,644
June	277,209	206,950	666	7,784	.....	348,555	841,164
July	143,102	187,650	1,061	33,760	.....	569,647	935,220
August	256,587	220,102	1,384	114,470	.....	282,202	874,745
September	357,547	159,445	12,217	81,079	.....	499,780	1,110,068
October	327,534	118,055	970	11,573	.....	408,391	866,523
November	280,335	287,850	7,452	25,907	$415	406,785	1,008,744
December	422,679	151,045	14,085	37,314	25	499,230	1,124,378
Totals	$3,966,380	$2,275,737	$61,020	$720,592	$440	$7,322,701	$14,346,870

TABLE VII.—TEN-YEAR COMPARATIVE STATEMENT OF FIRE LOSSES

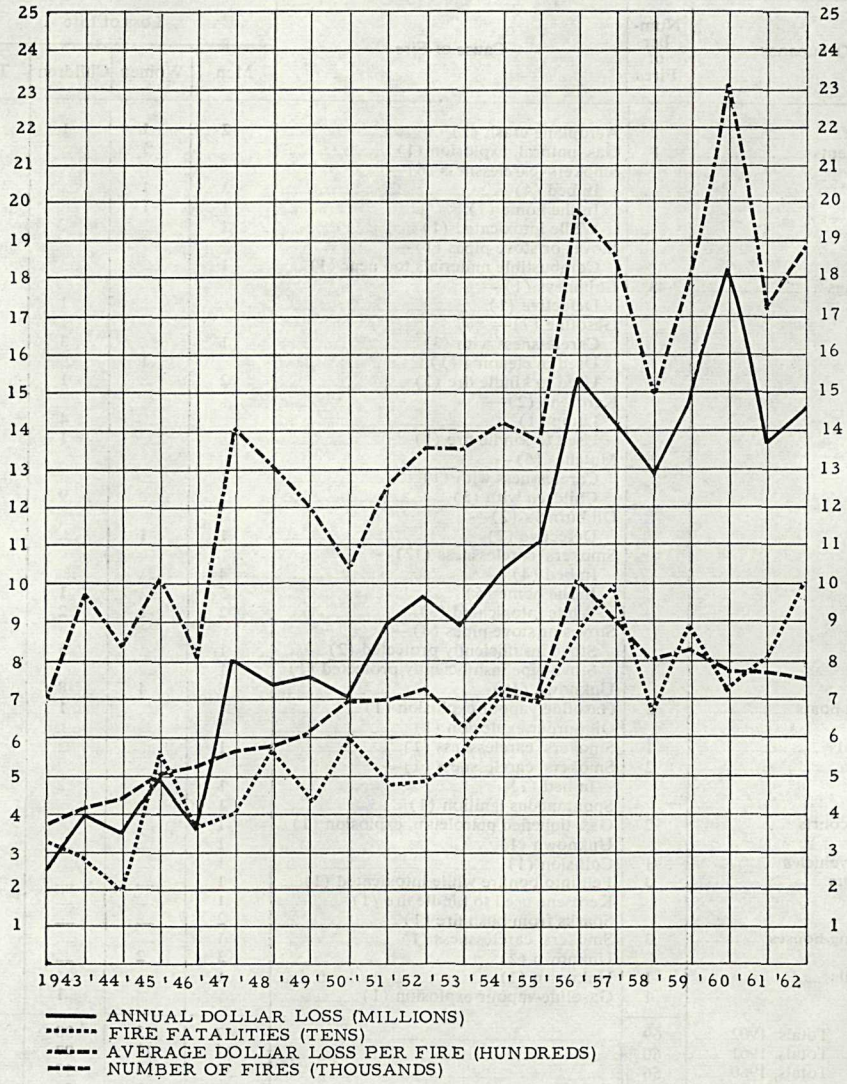
	City Municipalities		District Municipalities		Town Municipalities		Village Municipalities	
	Fires	Losses	Fires	Losses	Fires	Losses	Fires	Losses
1962	3,570	$3,966,380	2,270	$2,275,737	79	$61,020	261	$720,592
1961	3,788	5,775,054	2,386	2,312,942	74	91,151	292	816,261
1960	3,823	8,177,601	2,324	3,319,569	51	124,547	301	382,782
1959	4,097	5,361,352	2,487	3,026,143	45	187,388	350	1,045,840
1958	4,101	4,532,740	2,381	2,279,087	35	49,173	312	718,375
1957	4,050	4,789,896	2,197	3,223,907	.....	.....	317	491,843
1956	4,251	4,812,453	1,999	3,437,286	.....	.....	325	813,436
1955	4,273	3,546,272	1,866	2,168,413	.....	.....	313	521,498
1954	4,075	3,202,716	1,728	2,571,833	.....	.....	307	503,161
1953	3,770	2,905,393	1,456	1,641,308	.....	.....	239	240,596
Totals	39,798	$47,069,857	21,094	$26,256,225	284	$513,279	3,017	$6,254,384

	Local Districts		Fire Districts		Total	
	Fires	Losses	Fires	Losses	Fires	Losses
1962	2	$440	1,430	$7,322,701	7,612	$14,346,870
1961	.....	.....	1,309	4,499,526	7,849	13,494,934
1960	.....	.....	1,323	6,285,884	7,822	18,290,383
1959	.....	.....	1,289	5,238,829	8,268	14,859,552
1958	.....	.....	1,234	5,123,019	8,063	12,702,394
1957	.....	.....	1,233	6,028,982	7,797	14,534,628
1956	.....	.....	1,263	6,245,570	7,838	15,308,745
1955	.....	.....	1,191	4,653,437	7,643	10,889,620
1954	.....	.....	984	3,899,992	7,094	10,177,702
1953	.....	.....	964	3,293,193	6,429	8,080,490
Totals	2	$440	12,220	$52,591,133	76,415	$132,685,318

TABLE VIII.—LOSS OF LIFE, 1953–62

Occupancy	Number of Fires	Cause of Fire	Loss of Life			
			Men	Women	Children	Total
Aircraft	2	Aeroplane crash (2)	2	1	1	4
Apartments	8	Gas, natural, explosion (1)	----	1	----	1
		Smokers' carelessness (6)—				
		In bed (4)	3	1	----	4
		In the home (1)	1	1	----	2
		While intoxicated (1)	1	----	----	1
		Stoves or stove-pipes (1)—				
		Combustible materials too near (1)	1	----	----	1
Dwellings	43	Chimneys (1)—				
		Defective (1)	----	----	1	1
		Gasoline (7)—				
		Carelessness with (3)	1	----	3	4
		Used in cleaning (1)	----	1	----	1
		Used to kindle fire (3)	2	----	1	3
		Kerosene (2)—				
		Lamp (1)	----	----	4	4
		Used to kindle fire (1)	----	----	1	1
		Matches (6)—				
		Carelessness with (1)	1	----	----	1
		Children with (5)	----	----	9	9
		Oil burners (2)—				
		Defective (2)	1	1	----	2
		Smokers' carelessness (12)—				
		In bed (4)	4	----	----	4
		In the home (5)	5	----	1	6
		While intoxicated (3)	2	1	2	5
		Stoves or stove-pipes (3)—				
		Stove insufficiently protected (2)	1	----	5	6
		Stove-pipe insufficiently protected (1)	1	----	----	1
		Unknown (10)	5	4	8	17
Fishing-boats	2	Gasoline-vapour explosion (1)	----	----	1	1
		Oil-burner explosion (1)	1	----	----	1
Hospitals	1	Smokers' carelessness (1)	1	----	----	1
Hotels	2	Smokers' carelessness (1)—				
		In bed (1)	1	----	----	1
		Spontaneous ignition (1)	1	----	----	1
Motor courts	2	Gas, liquefied petroleum, explosion (1)	1	----	----	1
		Unknown (1)	1	----	----	1
Motor-vehicles	1	Collision (1)	1	----	----	1
Outdoors	3	Fell into bonfire while intoxicated (1)	1	----	----	1
		Kerosene used to kindle fire (1)	1	----	----	1
		Sparks from bush fire (1)	2	----	----	2
Rooming-houses	3	Smokers' carelessness (1)	1	----	----	1
		Unknown (2)	3	2	----	5
Sawmills	1	Unknown (1)	1	----	----	1
Tents	1	Gasoline-vapour explosion (1)	----	----	1	1
Totals, 1962	69		47	13	38	98
Totals, 1961	60		33	19	27	79
Totals, 1960	56		38	14	19	71
Totals, 1959	63		47	9	30	86
Totals, 1958	46		28	14	25	67
Totals, 1957	67		45	12	41	98
Totals, 1956	63		38	16	31	85
Totals, 1955	49		26	11	28	65
Totals, 1954	56		29	13	30	72
Totals, 1953	38		24	13	19	56
Ten-year totals	567		355	134	288	777

TABLE IX.—TWENTY-YEAR FIRE LOSS



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