Pun	er capacity too small, aping station not fireproof. ke cribs of pumps not protected against ice. arrangement of water mains—"dead ends," etc.
not avo	ded. water mains.
pipes.	of fireboars in cities situated on water fronts
Influ	Pire Departments, nence of "politics" on general service and con- lack of discipline, to of training school for new firemen.
Insu	efficient number of firemen, efficient number of fire companies. le of modern apparatus and equipment.
Lack	of modern fire alarm telegraph system.

	Look	of	prov	ision	for	"bri	inging	in	' proper	app	paratus
to	take	plac	e of	that	cal	led	out	by	second	and	third
	rms.		plosir	es.							

lack of ordinance governing handling and storing of exposives within city limits.

Lack of law prohibiting hazardous industries within city limits.

Electrical Hazards.

Lack of ordinance regarding safe electrical wiring Overhead wires permitted in streets.

LIST OF FIRE COMPANIES THAT GAVE UP IN 1905.

The "Spectator" gives the following list and details of 34 fire insurance companies that withdrew from business in 1905:

NAME AND LOCATION OF

Mercant I. Mutual Pire, St Paul.

Merchants Nat's Mu. Fire, Indianapolis

NAME AND LOCATION OF		
COMPANY.	Assets.	Method of
STOCK COMPANIES.		Retirement
Blackhawk, Freeport Ill	\$200,000	Merged with German.
Continental of Illinois, Chicago, Ill	153,461	Re-insured.
Dunin on, Tazewell, Va	115 400	Re-insured.
Illinois Central, Chicago	156,410	Retired.
International Fire, Alexandria, Va	113,158	Failed.
International Fire of West Virginia		Edwin G. Adams, Re-
Jefferson F. and M., Richmond, Va	90,246	Roseo C. Nel
Lumbermen's So. McAlester, I. T	1,000	Retired,
Manufacturers and Mercantile, Chicago.	100,000	Retired.
National Assurance. Dublin	586,828	Re-insured.
Philadelphia Fire Philadelphia	162.857	Failed.
Powhstan Fire, Manchester, Va	25,700	Retired.
Richmond Fire, Richmond, Va	68,860	Retired.
Total, 12 stock companies	1,762,920	
MUTUAL COMPANIES.		
Blu Grass Ins Co., Lexington, Ky	\$ 799	Receiver.
Duquesne Mar. Fire, Pittsburg, Pa	51,334	Rec iver
Equirable Mat. Fire, St Paul, Minn	30,711	Receiver.
Farmers Co-operative, Seattle, Wash		Retired .
Far. and Thresh. Mut. Fire, Paris, Ill.	15 038	R-ceiver
Georgia Industrial, A lanta	54,935	R-ceiver.
German Amer Fire, Hastings, Neb	5,651	D K. Faylor Receiver.
Home Fre. Seattle, Wash	10,872	Re-insured.
Home Mutual F re, Clevelend, O	•••••	Failed.
Kanses Fire, Toneka, Kas	2.045	Receiver.
Lafavette Mutual Fire, Pittsburg	19.164	Receiver.

17,286

Receiver.

Receiver.

	-	and the production of the second second
Merchants State Mutual, Fargo, N. D	37,785	Re-in-u red.
Mountain Mutual Fire, Denver, Col	5,892	License re-
No American Mut. Fire, Pittsburg	27,264	Receiver.
State Mutual Fire, St Paul, Minn		Receiver.
Trans Miss. Mut. Fire Ass'n, Omaha	67,0-6	Merged.
Tota , 19 Mutual Companies	\$345,865	
LLOYDS. Chicago Fire Undetwriters, Chicago		Ceased bas.
Reliance Fire Underwriters, Chicago		Ceased bus.
Seaboard Fire Underwriters, New York	\$7,046	Retired.
Totals, 3 Lloyds	\$7.046	
Grand total, 34 companies	2,115,831	

The loss in 39 years by conflagrations destroyed property valued at \$542,287.135. This only includes the fire waste caused by conflagrations involving losses of \$500,000 and over.

The National Board of Fire Underwriters composed of 126 leading fire companies has commenced a movement looking to better fire protection conditions. It decided to appoint a committee charged with the duty of organizing an engineering department composed of men standing high in their profession and through them to investigate existing conditions, stating them and making recommendations for improvements that would minimize the sweeping fire or conflagration hazard, especially in congested or heavy value districts. Accordingly, a staff of engineers has been organized, and to-day there are in the field four parties, each collecting data and making tests in the different cities, the work being carried on by men who have had experience in civil, mechanical, structural, hydraulic and electrical engineering.

The committee's report has the following remarks which the public in every city and town could study with advantage.

THE PEOPLE PAY FOR THE FIRE WASTE.

"A sweeping fire or conflagration is a terrible calamity, and, occurring in one of our greater cities, would wipe out several hundred million dollars of property values, causing financial panics, from which all of the people of the United States would suffer. It should be borne in mind that, while the insurance companies reimburse the actual sufferer by the fire, the people as a whole bear the burden, and unless the people pay enough to the companies to meet the claims for fire losses, the companies would soon be forced into bankruptcy.

"It is a mistaken idea that payment by fire insurance companies makes good the property loss, for property burned is just so much value destroyed, and the insurance companies merely distribute the loss by collecting in small sums premiums from all the property owners and paying in large sums to those who suffer loss by fire.

"Property burned is money wasted, and the people of the United States are in this respect the most