
Statistics of Fires in London

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Statistics of Fires in London.

IN the number of this Journal for September, 1838 (vol. i. p. 283), an account was given of the formation and organization of "The London Fire-engine Establishment," which not only created for the first time an effective system for extinguishing or arresting actual conflagration, but also originated a regular accumulation of data respecting the most prevalent accidental *causes* of fire, calculated to afford important suggestions as to the means, yet more desirable, of *preventing* the occurrence of this formidable species of individual disaster and public danger. As regards the primary object of the combination, the more prompt extinction of fires actually broken out, the paper in question shows to what extent it had been attained in the course of the first five years during which the establishment was in operation, from 1833 to 1837, from the data furnished by the registry which it regularly keeps of the number, extent, &c. of fires in every year; the most important fact thus indicated being, a considerable diminution of the proportion which the number of fires wherein the premises were either wholly consumed or seriously damaged, bore to the total number of cases.

As regards the *causes* of fires, the first class of facts furnished by the records of the Establishment is that which relates to the respective degrees of liability to such accident attaching to the nature of the premises or their occupancy. The paper in this journal already referred to, presents a list of those descriptions of occupation of premises in which fires had occurred most frequently during the same period of five years, stating the number that had happened in each kind of occupation; from whence naturally follow certain deductions as to the comparative chances of fire necessarily attending particular trades and occupations.

A still more important kind of data supplied by the same systematic registration, consists in the specification of the ascertained cause of each individual fire. Herein the prompt attendance and the diligent endeavours constantly used by the firemen of the Establishment to trace out the particular occasion of each conflagration had already been so satisfactory in their result, that the same period of five years had sufficed to reduce the cases in which the cause was undiscovered to a very small proportion. Accordingly, the paper in question presents a tabular statement of the several causes which had led to fires, and the number of instances under each head, so far as the same could be ascertained, in each year from 1833 to 1837; from whence is shown the relative frequency of the several causes, whether arising from negligence, from necessary nature of occupation, or from inevitable accident.

And finally, a third statement in the same paper, combining the materials of the two former, exhibits the several causes of fires in the different classes of buildings and trades furnishing the greatest number of fires, specifying the numbers in each class assignable to each cause respectively; thus affording means to discover those peculiar circumstances in a given trade which subject it to this kind of danger.

Again, the quarterly number of the Journal of December last (vol. vi. p. 361) presents a continuation of the results of the operations and the observations of the Metropolitan Fire-engine Establishment, in the shape of extracts from the Report of Mr. Braidwood, superintendent of

the Metropolitan Fire Brigade, to the managing Committee of the Establishment, on the fires which occurred in the year 1842, including an abstracted statement of the fires during each of the *ten* years previous. Here, again, the leading fact regarding the increased effectiveness of the Establishment appears in the still decreasing proportion of the cases of total destruction to that of the whole number of conflagrations. The other most remarkable fact presented by this tabular view is, that the proportion of cases of fire in which *gas* was found to be used on the premises, had increased in the same ten years from *one-fourth* to *three-fourths* of the whole number of fires—a fact, however, which of itself cannot be taken to indicate anything beyond the rapid progress of the substitution of gas-lights for the old modes of artificial lighting.

We now extract from the Appendix to the same Report a *particular* statement of the fires which took place in London in each of the same ten years. The former of the two papers already referred to, having confined its list of the occupations of premises to those classes in which more than six fires had occurred during the five years, the present table, specifying every class in which any fires whatever have occurred, exhibits upwards of a hundred several descriptions of occupancy which do not appear in the former statement. In like manner, the account of the causes of fire in the several classes of buildings having, in the same paper, been limited to those classes (18 in number) wherein more than 20 fires had occurred during the five years, the present statement will be found to specify the causes, so far as discovered, in each several description of occupancy, amounting to upwards of a hundred and eighty. Since, also, the latter statement extends over ten years in lieu of five from the complete organization of the Establishment, it presents the means of carrying out the deductions of the preceding paper with greater fulness, precision, and certainty.

The following table, then, based on the experience of ten complete years, supplies all the further data on this subject which it will be requisite to place on record in the pages of this journal, excepting only a brief statement of the gross result of each succeeding year's operations.

At a period when the municipal arrangements of our large towns for the purposes of public health and safety are undergoing so severe a scrutiny as that to which they are now subjected, it would be well that the subject of fire police should not wholly escape attention, with reference not only to supplies of water easily accessible, but also to express arrangements by which the services of some police officer of experience in these cases shall always be available for the direction of proceedings, where no such complete establishment exists as that of the London Fire Brigade. The supply of water for such purposes is too often left to the mere good-nature of private companies; and the loss of life and property through the pure helplessness of alarm, of surprise, and of ignorance regarding the progress of such casualties, is very great. While there is a competition among some of our largest corporate towns for the best chief of their police, it would, therefore, not be amiss, were they to apply some of this spirit of rivalry in good administration to providing that each of their several police forces shall contain at least one person of skill in these matters; and Mr. Braidwood's is a normal school, in which they may always rely on finding men of character and experience.

List of Fires which took place in London in Ten Years, commencing 1st January, 1833, ending 31st December, 1842.

TRADES.	Totally Destroyed.	Considerably Damaged.	Slightly Damaged.	Gas.	No Gas.	Total.	CAUSES.
Apothecaries and Dealers in Drugs, but no Chemical Works carried on.	1	10	8	13	6	19	Trade 6; gas 3; unknown 10.
Archel-makers . . . . .	..	1	..	..	1	1	Trade 1.
Asphalte Works . . . . .	..	1	1	..	2	2	Trade 2.
Bagnios . . . . .	..	8	21	2	27	29	Curtain 19; gas 1; intoxication 4; candle 1; unknown 4.
Bacon-dryers . . . . .	..	..	3	2	1	3	Trade 3.
Bakers	7	46	87	108	32	140	Trade 88; gas 14; flue 11; candle 2; fire on hearth 1; unknown 24.
„ (Sea Biscuit) . . . . .	..	2	1	2	1	3	Trade 3.
„ (Muffin) . . . . .	..	..	1	..	1	1	Trade 1.
Barge and Boat Builders . . . . .	..	5	6	..	11	11	Incendiarism 1; trade 9; unknown 1
Basket-makers	2	4	2	..	8	8	Trade 2; unknown 6.
Bath-keepers . . . . .	..	..	1	1	..	1	Trade 1.
Beer-shops	3	9	20	24	8	32	Curtain 6; gas 5; flue 2; stove 1; smoking tobacco 3; pipe stove 1; lucifer 1; copper badly set 1; unknown 13.
Blacking-makers . . . . .	..	1	1	1	1	2	Unknown 2.
Booksellers, Binders, and Stationers . . . . .	..	40	39	55	24	79	Gas 23; flue 8; stove 2; trade 7; candle 6; incendiarism 1; accidents 1; child 2; lucifer 1; lime over-heating 1; unknown 27.
Bottle Merchants . . . . .	..	1	..	..	1	1	Candle 1.
Brewers . . . . .	..	8	5	6	7	13	Trade 5; flue 1; candle 1; making gas 1; coals over-heating 1; unknown 4.
Brick-makers . . . . .	..	23	1	..	1	1	Trade 1.
Brokers and Dealers in Old Clothes	3	..	22	21	27	48	Intoxication 1; lime over-heating 1; flue 4; trade 3; curtain 4; fire on hearth 1; gas 3; candle 4; lucifer 1; stove 1; children 2; unknown 23.
Butchers . . . . .	..	1	1	1	1	2	Lime over-heating 1; flue of copper, 1.
Builders	2	1	8	..	11	11	Lime over-heating 3; trade 5; candle 1; unknown 2.
Cabinet-makers	15	39	30	18	66	84	Trade 37; flue 5; candle 5; stove 1; gas 1; unknown 35.
Cane-dyers	2	2	2	Trade 2.

VOL. VII.—PART III.

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List of Fires which took place in London in Ten Years, from 1833 to 1842.—continued.

TRADES.	Totally Destroyed.	Consid- ably Damaged.	Slightly Damaged.	Gas.	No Gas.	Total.	CAUSES.
Carpenters and Workers in Wood, not Cabi- net-makers.	24	96	125	57	188	245	Trade 100; flue 9; stove 4; incendiarism 3; gas 5; children 2; candle 16; fire on hearth 3; accident 2; smoking tobacco 1; cinders 1; spark 2; carelessness 2; lucifers 1; curtain 1; working late 1; un- known 92.
Carriers	1	1	..	2	..	2	Unknown 2.
Cart-grease-makers . . . . .	..	1	..	..	1	1	Trade 1.
Cement and Plaster of Paris Works . . . . .	..	2	..	..	2	2	Trade 1; unknown 1.
Cauchoouc Manufacturers . . . . .	..	5	2	..	4	7	Trade 5; flue 1; unknown 1.
Chandlers	6	16	26	23	25	48	Trade 2; candle 3; gas 9; intoxication 1; stove 1; lucifers 1; curtain 2; flue 2; accident 1; copper flue 1; unknown 25.
Charcoal and Coke (Dealers in) . . . . .	..	2	9	1	10	11	Accident 2; trade 5; unknown 4.
Cheesemongers	3	6	11	20	..	20	Smoking hams 1; gas 4; unknown 15.
Chemists, including all places in which are laboratories for chemical purposes.	2	18	20	18	22	40	Trade 31; flue 1; carelessness 1; experiment 1; un- known 6.
Chocolate-makers . . . . .	..	..	1	..	1	1	Trade 1.
Churches	1	8	9	8	10	18	Stove 8; gas 1; flue 2; pipe stove 1; hot-air flue 1; descending stove 1; lightning 2; fire on hearth 1; unknown 1.
Cigar-makers . . . . .	..	3	1	2	2	4	Trade 2; flue 1; doubtful 1.
Coach-makers	5	7	13	6	19	25	Smoking tobacco 1; stove 1; flue 2; lamp-black over- heating 2; trade 5; candle 1; unknown 13.
Cochineal-dryers . . . . .	..	..	1	1	..	1	Trade 1.
Coach-painters	1	..	..	..	1	1	Unknown 1.
Coffee-shops and Chop-houses	1	8	25	29	5	34	Flue 9; curtain 7; pipe stove 3; stove 1; trade 1; gas 2; candle 1; reading in bed 1; blocked up flue 1; unknown 8.
Coffee-roasters . . . . .	..	5	14	6	13	19	Trade 17; unknown 2.
Colour-makers, not mere Colour-shops . . . . .	..	5	10	2	13	15	Trade 14; unknown 1.
Confectioners and Pastry-cooks	1	8	12	16	5	21	Trade 10; gas 5; unknown 6.
Coopers	3	1	5	1	8	9	Candle 2; trade 4; flue 2; unknown 1.
Cork-burners	1	1	3	1	4	5	Gas 1; trade 4.

Cork-cutters	1	3	..	1	3	4	Candle 1; pipe stove 1; gas 1; unknown 1.
Corn-chandlers	2	11	..	9	7	16	Flue 2; trade 2; accident 1; child 1; gas 1; over-heat of kiln 1; Unknown 8.
Corn-mills . . . . .	..	..	1	..	1	1	Trade 1.
Cotton Wool (Workers in)	1	..	3	..	4	6	Trade 4; over-heating 1; drying waste 1.
Cotton-wick Manufacturers . . . . .	..	1	..	1	..	1	Trade 1.
Curriers and Leather-sellers	2	5	..	6	5	11	Trade 4; smoking tobacco 1; unknown 6.
Comb-makers . . . . .	..	1	..	..	1	20	Unknown 1.
Distillers . . . . .	..	13	7	8	12	20	Trade 14; furnace adjoining 1; repairing a vat 1; spark 1; unknown 3.
„ (Illicit) . . . . .	..	3	3	1	5	6	Trade 6.
„ of Tar	2	4	1	..	7	7	Trade 7.
Docks . . . . .	..	1	4	..	5	5	Cask of spirits falling 1; spontaneous combustion 1; furnace of steam-engine 1; lighted tobacco falling through grating 1; carelessness 1.
Drapers (Woolen and Linen), and Mercers .	3	46	67	109	7	116	Flue 4; gas 77; candle 7; incendiarianism 3; pipe stove 2; lucifers 1; curtain 3; chafing-dish 1; carelessness 1; unknown 17.
Druggists (Wholesale)	1	..	..	..	1	1	Bottle of ether being broken 1.
Drysalers . . . . .	..	1	3	1	3	4	Trade 1; gas 1; over-heating 1; unknown 1.
Dyers . . . . .	..	5	7	7	5	12	Flue 3; trade 6; gas 1; unknown 2.
Eating-houses	1	3	36	34	6	40	Trade 18; flue 11; gas 5; curtain 3; unknown 3.
Farming Stock	3	27	3	..	33	33	Over-heating 13; incendiarianism 7; suspicious 1; heating tar 1; children 1; railway 1; trade 2; unknown 7.
Feather Merchants	1	5	6	4	8	12	Flue 1; stove 4; steam furnace flue 1; trade 3; fire-works 1; curtain 1; unknown 1.
Fellmongers	1	1	1	..	3	3	Candle 1; trade 1; unknown 1.
Felt-makers	1	..	1	..	2	2	Trade 2.
Fire Preventive Company . . . . .	..	1	..	..	1	1	Experiment 1.
Firework-makers	4	10	..	1	19	20	Trade 19; unknown 1.
French Fancy Warehouses . . . . .	..	..	2	..	2	2	Lucifers 2.
Flax-dressers . . . . .	..	1	6	..	5	7	Accidents 1; trade 5; unknown 1.
Floor-cloth Manufacturers	1	2	1	2	2	4	Trade 3; unknown 1.
Founders . . . . .	..	12	14	8	18	26	Furnace 2; trade 18; spontaneous ignition 1; unknown 5.
Furriers and Skin-dyers	2	4	3	4	5	9	Candle 1; flue 2; trade 1; unknown 5.
Gaming-houses . . . . .	..	1	1	..	2	2	Candle 1; hand grenade 1.

List of Fires which took place in London in Ten Years, from 1833 to 1842.—continued.

TRADES.	Totally Destroyed.	Considerably Damaged.	Slightly Damaged.	Gas.	No Gas.	Total.	CAUSES.
Gas Works . . . . .	..	7	18	25	..	25	Gas 6; trade 19.
Glass and Emery Paper-makers . . . . .	..	1	..	..	1	1	Flue 1.
Glass-blowers . . . . .	..	..	1	..	1	1	Furnace 1.
(Ilicit) . . . . .	..	2	3	1	4	5	Trade 5.
Glass-benders . . . . .	..	1	..	..	1	1	Trade 1.
Grocers	7	23	29	54	5	59	Gas 17; trade 3; flue 2; children 1; candles 6; lucifers 1; hot cinder 1; stove 1; unknown 27.
Glue-makers . . . . .	..	1	1	..	2	2	Flue 1; trade 1.
Gunpowder (Sellers of) . . . . .	..	1	..	1	..	1	Trade 1.
Granary-keepers	1	1	1	2	1	3	Kiln 1; steam-engine 1; unknown 1.
Hat-makers	2	32	23	36	21	57	Trade 27; flue 6; gas 4; airing clothes in stove 1; candle 1; incendiarism 1; boy lighting a fire 1; unknown 16.
Hemp and Flax Merchants	1	2	..	..	3	3	Trade 1; candle 1; smoking tobacco 1.
Horse-hair Merchants	2	1	5	..	8	8	Trade 4; stove 1; broken windows 1; unknown 2.
Hotels, including Club-houses . . . . .	..	13	26	38	1	39	Flue 12; gas 6; curtain 8; trade 1; lamp 1; reading in bed 2; candle 4; rarifying stove 1; steam furnace 1; defect in hearth 1; unknown 2.
Hair-dressers using ovens . . . . .	..	..	1	..	1	1	Trade 1.
Ink-makers	1	1	..	..	2	2	Trade 2.
Japanners	1	5	5	1	10	11	Trade 10; unknown 1.
Lamp-black-makers	1	6	5	1	11	12	Trade 9; flue 1; unknown 2.
Laundresses	1	6	8	2	13	15	Trade 9; ironing stove 1; flue 2; lucifer 2; spark 1.
Leather (Patent) Makers . . . . .	..	2	3	1	4	5	Trade 4; spontaneous ignition 1.
Lime Wharfs . . . . .	..	..	1	..	1	1	Trade 1.
Livery Stables . . . . .	..	1	4	..	5	5	Trade 5.
Lodging-houses	2	65	372	77	363	440	Intoxication 6; flue 86; curtain 225; children 27; smoking tobacco 12; trade 2; fire on hearth 4; smoothing iron 1; gas 1; fumigation 4; candle 39; timber under hearth 1; accident 4; old age 1; incendiarism 2; fits 1; lucifers 7; spark 4; stove 1; cat 1; carelessness 2; naptha lamp 1; unknown 58.

	36	27	5	58	63	
Lacifer-match-makers . . . . .	..	1	..	6	6	Trade 60; curtain 1; unknown 2.
Maltsters	1	1	..	1	1	Trade 4; unknown 2.
Manganese Manufacturers . . . . .	..	1	..	18	23	Unknown 1.
Marine Stores (Dealers in)	2	14	5	..	4	Spark 1; trade 7; candle 2; curtain 1; smoking tobacco 1; gas 1; incendiariism 1; unknown 9.
Matress-makers . . . . .	..	2	1	3	4	Steam-engine 1; trade 3.
Mast and Block Makers	1	..	..	1	1	Unknown 1.
Millers	3	..	..	3	3	Trade 1; unknown 2.
" (Steam)	2	3	4	1	5	Trade 5.
Musical Instrument Makers	6	4	1	9	10	Trade 4; flue 1; refusing to admit firemen 1; unknown 4.
Mustard-makers . . . . .	..	1	..	1	1	Trade 1.
Naptha Manufacturers	1	1	..	3	3	Trade 3.
Nuts (dealers in) . . . . .	..	2	1	1	2	Bleaching nuts 2.
Oil and Preserve Merchants	1	1	1	1	2	Trade 1; unknown 1.
Oil and Colourmen, not Colour-makers	7	52	44	43	87	Trade 34; gas 4; flue 2; candle 14; gunpowder 1; spontaneous combustion 1; curtain 1; friction 1; dung over-heating 1; lucifers 1; carelessness 1; unknown 26.
Oil Refiners . . . . .	..	1	..	1	1	Trade 1.
Oil Works	1	..	..	2	3	Trade 2; unknown 1.
Painted Baize Makers	1	1	1	3	4	Flue 1; trade 1; unknown 2.
Painters, Plumbers, and Glaziers	1	8	4	9	13	Trade 4; lime and rain 1; unknown 8.
Panoramas . . . . .	..	2	2	..	2	Curtain 1; illumination 1.
Paper-hangers	1	1	1	1	2	Flue 1; unknown 1.
Paper-mills	3	1	..	4	4	Incendiariism 2; unknown 2.
Paper-stainers	1	5	2	4	6	Trade 3; candle 1; oil thrown on the fire instead of water 1; unknown 1.
Pawnbrokers	8	6	16	1	17	Gas 3; flue 2; curtain 1; unknown 11.
Perfumers . . . . .	..	1	..	1	1	Trade 1.
Picture-dealers	1	..	..	1	1	Unknown 1.
Pipe-makers	1	3	1	3	4	Trade 3; unknown 1
Pitch-makers	2	..	..	2	2	Trade 2.
Playing-card-makers	1	2	2	1	3	Trade 2; unknown 1.
Pork-butchers . . . . .	..	3	3	..	3	Trade 2; gas 1.
Potteries . . . . .	..	2	1	1	2	Stove 1; trade 1.

List of Fires which took place in London in Ten Years, from 1833 to 1842.—continued.

TRADES	Totally Destroyed	Consi- derably Damaged	Slightly Damaged	Gas.	No Gas.	Total.	CAUSES.
Printers and Engravers	3	10	23	22	14	36	Pipe stove 2; stove 2; flue 4; trade 11; gas 6; steam-engine 1; flue of steam-engine 2; unknown 8.
Printers' (Copper-plate) . . . . .	..	8	7	4	11	15	Stove 3; trade 9; gas 1; candle 1; unknown 1.
Printers' Ink Makers . . . . .	..	3	..	..	4	4	Trade 4.
Prisons . . . . .	..	2	2	..	2	4	Stove 1; lime over-heating 1; unknown 2.
Public Buildings	5	5	13	12	11	23	Flue 7; incendiarianism 1; late hours 1; timber under hearth 1; fireworks 1; thawing water-pipe 1; illumination 1; kiln 1; stove 1; gas 3; spark 1; unknown 4.
Private	27	304	1,604	444	1,491	1,935	Lucifers 3; gas 11; curtain 855; flue 346; children 53; fire on hearth 18; stove 23; reading in bed 5; fumigation 21; candle 123; fireworks 5; bug-hunting 2; chafing-pan 1; intoxication 11; timber under hearth 2; hot air stove 2; incendiarianism 8; smoking tobacco 5; pipe stove 6; hot cinders 8; lightning 3; boiling pitch 1; ironing-stove 1; spark 6; burning cask 1; insanity 2; coppers badly set 3; thawing water-pipes 1; party wall 1; defect in hearth 3; carelessness 5; sewing in bed 1; naphtha lamp 1; warming bed 1; plumbers 1; heating tar 1; making polish for furniture 2; children playing with lucifers 3; children playing with fire 6; fainting 1; cat 2; doubtful 2; copper fire 1; wax-taper 1; unknown 377.
Public Places (not Theatres)	..	1	..	..	1	1	Fireworks 1.
Rag-merchants	1	10	10	2	19	21	Fire on hearth 2; overheating 5; stove 1; candle 3; trade 6; unknown 4.
Railways . . . . .	..	2	..	1	1	2	Trade 1; unknown 1.
Ribbon-dressers . . . . .	..	..	1	..	1	1	Trade 1.
Rope-makers . . . . .	..	8	6	1	13	14	Trade 9; smoking tobacco 1; fireworks 1; unknown 3.
Sack-makers . . . . .	..	2	..	..	4	4	Trade 3; old flue 1.
Sail-makers	1	..	1	..	2	2	Candle 1; unknown 1.
Silk-dressers . . . . .	..	..	1	..	1	1	Unknown 1.

Sale Shops and Offices, no hazardous goods.									
	19	83	223	224	101	325			
Saltpetre-refiners . . . . .	..	1	..	1	..	1	Gas 93; stove 12; trade 6; flue 42; candle 21; pipe stove 2; fireworks 1; heating by steam 1; fire on hearth 2; accident 6; lucifers 2; smoking tobacco 2; cat 1; spark 1; incendiariism 2; carelessness 1; working on Sunday 1; stove badly set 2; copper 1; curtain 1; unknown 125.		
Saw Mills	3	6	6	8	7	15	Trade 1. Trade 5; steam-furnace 2; steam-engine 1; rags overheating 1; friction 1; drying-stove 1; candle 1; unknown 3.		
Schools of Industry . . . . .	..	..	2	..	2	2	Incendiariism 2. Rags overheating 1; stove 6; steam 1; lime overheating 6; stove-pipe 2; cooking 3; heating-pitch 1; candle 2; cargo overheating 3; repairs 1; workmen 1; unknown 9.		
Ships . . . . .	..	18	19	..	37	37	Incendiariism 1. Trade 8; unknown 4. Trade 9; steam 2; steam-engine 2; cooking 1; carelessness 1; unknown 1.		
Ship-breakers . . . . .	..	..	1	..	1	1	Trade 1. Candle 1; trade 2; unknown 1.		
Ship-builders	1	3	8	..	12	12	Trade 1. Stove 1.		
Ships (Steam) . . . . .	..	6	10	..	16	16	Fire in soot 1; trade 3; candle 1; flue 1; curtain 1; unknown 2.		
Ship (Steam) Builders . . . . .	..	1	..	..	1	1	Bleaching spice 1.		
Ship Chandlers . . . . .	..	3	1	1	3	4	Flue 6; candle 25; repairs 2; dung overheating 6; heating pitch 1; laboratory adjoining 1; accident 9; copper 1; incendiariism 1; smoking tobacco 3; lucifers 1; charcoal stove 1; stove 1; fireworks 1; children 2; defect in wall 1; pipe stove 1; unknown 50.		
Shot Manufacturers . . . . .	..	1	..	..	1	1	Trade 2; unknown 1.		
Snuff Mills	1	..	..	..	1	1	Trade 1; packing 1; trade 3; unknown 5.		
Soot Merchants . . . . .	..	1	8	..	9	9	Trade 2; unknown 3.		
Spice Merchants . . . . .	..	1	1	1	..	1	Trade 1		
Stables	11	43	59	9	104	113			
Starch-makers . . . . .	..	3	..	..	3	3			
Steam-boiler-makers . . . . .	..	4	..	1	3	4			
Sugar-refiners	3	4	4	1	10	11			
Straw-bonnet-makers . . . . .	..	1	4	3	2	5			
Steam Mills	1	..	..	..	1	1			

List of Fires which took place in London in Ten Years, from 1833 to 1842.—continued.

TRADES.	Totally Destroyed.	Consistently Damaged.	Slightly Damaged.	Gas.	No Gas.	Total.	CAUSES.
Tailors	1	19	22	23	19	42	Stopped up flue 1; gas 7; trade 4; candle 7; flue 2; curtain 2; pipe stove 1; stove 1; incendiarism 1; unknown 16.
Tanners. . . . .	..	8	4	..	12	12	Over-heating 1; tan over-heating 4; trade 2; steam-engine 2; unknown 3.
Tallow Chandlers, Melters, Wax Chandlers, and Soap-boilers.	6	11	20	9	28	37	Trade 23; gas 1; flue 3; unknown 10.
Tarpaulin-makers	2	1	..	..	3	3	Trade 1; unknown 2.
Theatres	1	..	9	9	1	10	Gas 6; trade 1; fireworks 1; smoking tobacco 1; unknown 1.
Tinmen, Braziers, and Smiths	4	15	36	19	36	55	Lime over-heating 1; trade 29; stove 1; steam-boiler bursting 1; flue 1; pipe stove 1; candles 2; spark 1; unknown 18.
Type-founders . . . . .	..	..	1	1	..	1	Trade 1.
Tobacco Manufacturers . . . . .	..	5	3	3	1	8	Trade 2; candle 1; gas 2; unknown 3.
Tobacconists . . . . .	..	4	6	10	..	10	Lucifers 4; candle 2; smoking tobacco 1; gas 1; unknown 2.
Toy Warehouses . . . . .	..	2	..	1	1	2	Unknown 2.
Turpentine Distillers	2	..	..	..	2	2	Trade 2.
Victuallers	12	87	219	274	44	318	Gas 42; flue 65; curtain 43; trade 9; stove 10; smoking tobacco 19; spirit lamp 1; candle 17; tar-boiling over 1; pipe stove 3; fire on hearth 2; fumigation 2; spark 3; lucifers 3; airing a bed 1; children playing with lucifers 1; naphtha 1; cutting away party wall 1; oven adjoining 1; unknown 93.
Vitriol Works . . . . .	..	..	1	..	1	1	Trade 1.
Varnish-makers . . . . .	..	4	2	..	8	8	Trade 8.
Vinegar Works . . . . .	..	1	2	..	3	3	Repairs 15; flue 5; candle 1; trade 15; gas 1; fire on hearth 5; lime over-heating 1; stove 1; carelessness 1; unknown 4.
Under repair, and building	2	15	32	6	43	49	

Unoccupied.	4	11	30	6	39	45	Flue 6; incendiariism 6; curtain 1; fire on hearth 2; gas 2; candle 1; smoking tobacco 2; children 3; spontaneous ignition 1; trade 1; repairs 1; lucifers 1; burning a straw bed 1; unknown 17.
Upholsterers	1	5	10	10	6	16	Candle 1; gas 1; trade 3; pipe stove 1; hot water stove 1; curtain 1; smoking tobacco 1; unknown 7.
Wadding-makers	1	8	2	..	11	11	Stove 1; trade 8; incendiariism 1; unknown 1.
Warehouses.	3	12	30	16	29	45	Stove 2; flue 5; pitch boiling over 1; floor falling 1; incendiariism 6; spark from fire 1; trade 1; candle 2; rags over-heating 3; cotton waste 2; shoddy over-heating 2; lighting gas 1; unknown 18.
„ (Manchester)	..	1	10	7	4	11	Pipe stove 1; flue 5; gas 1; carelessness 1; incendiariism 1; unknown 2.
Waterproof Canvass-makers	..	1	..	..	1	1	Unknown 1.
Weavers (Carpet)	..	..	1	..	1	1	Candle 1.
„ (Silk)	1	3	5	2	7	9	Unknown 4; curtain 1; trade 1; candle 3.
„ (Willow)	..	1	1	..	2	2	Cat 1; Unknown 1.
Wine and Spirit Merchants	..	12	42	12	42	54	Straw in cellar 3; stove 1; packing 2; trade 37; gas 6; flue 1; unknown 3; incendiariism 1.
Wharfingers	..	..	1	..	1	1	Rags over-heating 1.
Wood Merchants	..	4	2	2	4	6	Gas 1; spark 1; sewing by candle-light 1; unknown 3.
Wool Staplers	..	1	1	..	2	2	Unknown 2.
Workhouses	..	6	7	6	7	13	Hearth decayed 1; curtain 2; stove 1; flue 2; gas 1; stove for drying linen 1; spark from fire 1; trade 1; unknown 2; cooking apparatus 1.
	269	1,611	3,894	2,142	3,632	5,774	
						False alarms . 691	
						Chimney ditto. 1,034	
						7,499	

(Signed) JAMES BRAIDWOOD, Superintendent.