

## CHEMICAL AND ALLIED TRADES

## GENERAL REPORT

Table I A.—General summary

Trade	Number of establishments*	Gross output (selling value of goods made and value of work done)	Cost of materials used and amount paid for work given out	Net output (excess of col. (3) over col. (4))	Average number of persons employed (excluding out-workers)	Net output per person employed	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	No.	£'000	£'000	£'000	No.	£	
Chemicals, Dyestuffs and Drugs	{ 1935 1930† 1924†	{ 601 604 613	{ 68,761 52,653 54,472	{ 31,473 26,528 29,776	{ 36,548† 24,985† 23,267†	{ 77,611 70,475 66,962	{ 471 355 347
Fertiliser, Disinfectant, Glue, etc.	{ 1935 1930† 1924†	{ 164 155 183	{ 7,348 5,717 7,695	{ 4,380 3,116 4,921	{ 2,968 2,601 2,774	{ 9,619 8,548 9,661	{ 309 304 287
Soap, Candle and Perfumery	{ 1935 1930 1924	{ 226 194 194	{ 26,308 29,101 32,073	{ 13,140 16,197 19,738	{ 13,168 12,904 12,335	{ 29,114 27,005 29,166	{ 452 478 423
Paint, Colour and Varnish	{ 1935 1930† 1924†	{ 342 379 289	{ 22,140 19,528 16,948	{ 11,294 10,895 9,598	{ 10,846 8,633 7,350	{ 24,893 21,292 18,502	{ 436 405 397
Seed Crushing	{ 1935 1930 1924	{ 49 59 49	{ 22,625 21,824 36,422	{ 18,203 19,407 32,512	{ 4,422 2,417 3,910	{ 11,542 10,992 14,027	{ 383 220 279
Oil and Tallow	{ 1935 1930† 1924†	{ 201 186 178	{ 17,644 16,446 11,757	{ 11,980 11,496 9,325	{ 5,664 4,950 2,432	{ 9,717 8,081 6,303	{ 583 613 386
Petroleum	{ 1935 1930 1924	{ 25 26 31	{ 8,420 16,087 14,196	{ 5,230 10,371§ 10,733	{ 3,190 5,716 3,463	{ 4,157 5,626 6,905	{ 767 1,016 502
Explosives and Fire-works ...	{ 1935 1930 1924	{ 45 48 41	{ 5,566 4,998 5,306	{ 2,255 2,151 2,503	{ 3,311 2,847 2,803	{ 9,870 8,697 8,553	{ 335 327 328
Starch and Polishes	{ 1935 1930 1924†	{ 84 79 72	{ 7,126 6,997 7,545	{ 2,821 2,997 3,510	{ 4,305 4,000 4,035	{ 8,722 7,962 9,289	{ 493 502 434
Match ...	{ 1935 1930† 1924	{ 30 34 36	{ 4,345 4,264 4,388	{ 718 761 914	{ 1,517† 1,483† 1,724†	{ 3,767 4,017 4,876	{ 403 369 354
Ink, Gum, and Type-writer Requisites	{ 1935 1930 1924	{ 86 74 55	{ 4,275 3,468 2,823	{ 1,728 1,464 1,274	{ 2,547 2,004 1,549	{ 4,999 4,029 3,212	{ 510 497 482

Trade	Number of establishments*	Gross output (selling value of goods made and value of work done)	Cost of materials used and amount paid for work given out	Net output (excess of col. (3) over col. (4))	Average number of persons employed (excluding out-workers)	Net output per person employed	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	No.	£'000	£'000	£'000	No.	£	
Unclassified trades (Northern Ireland)	{ 1930 1924	{ 6 11	{ 419 392	{ 205 282	{ 214 110	{ 613 656	{ 349 167
TOTAL—UNITED KINGDOM	{ 1935 1930 1924	{ 1,853 1,844 1,752	{ 194,558 181,502 194,017	{ 103,222 105,588 125,086	{ 88,486 72,754 65,752	{ 194,011 177,337 178,112	{ 456 410 369
England and Wales¶	{ 1935 1930 1924	{ 1,652 1,419** 1,522	{ 178,855 165,264 173,617	{ 94,911 95,324 111,013	{ 81,213 66,882 59,539	{ 177,845 160,890 160,141	{ 457 416 372
Scotland...	{ 1935 1930 1924	{ 187 182** 214	{ 15,148 15,687 19,849	{ 8,027 9,969 13,679	{ 7,002 5,616 6,056	{ 15,351 15,618 17,058	{ 456 360 355
Northern Ireland¶	{ 1935 1930 1924	{ 14 12** 16	{ 555 551 551	{ 284 295 394	{ 271 256 157	{ 815 829 913	{ 333 309 172

\* Number of returns for 1924.

† Great Britain only.

‡ Excluding Excise duty estimated as follows:—

	1935 £'000	1930 £'000	1924 £'000
Chemicals, Dyestuffs and Drugs	...	...	...
Trades ...	740	1,140	1,429
Match Trade ...	2,110	2,020	1,750

§ Including an addition of £2,050,000 in respect of estimated amount of duty paid by firms on Petroleum purchased and refined by them less drawbacks on refined petroleum exported. In 1935 firms were requested to include such payments in their statement of the cost of materials, etc., used. No duty was chargeable in 1924.

|| Including all firms in Northern Ireland.

¶ In this and subsequent tables, particulars relating to the Match Trade in Northern Ireland for 1935 and 1924 have been included in England and Wales; separate particulars relating to this trade in 1930 are not available for similar treatment.

\*\* Number of returns.



Table I B.—Firms employing not more than ten persons on the average

Trade	Firms furnishing information				Total, including firms not furnishing returns		
	Number of returns received	Average number of persons employed			Number	Estimated number of persons employed	
		Males	Females	Total			
Chemicals, Dyestuffs and Drugs	1935	513	2,018	790	2,808	514	2,810
	1930	523	2,227	943	3,170	546	3,310
	1924	400	1,928	355	2,283	520	3,000
Fertiliser, Disinfectant, Glue, etc.	1935	209	957	145	1,102	210	1,110
	1930	257	1,004	124	1,128	267	1,170
	1924	171	1,003	102	1,105	201	1,230
Soap, Candle and Perfumery	1935	234	829	400	1,229	236	1,240
	1930	214	774	360	1,134	223	1,180
	1924	150	656	242	898	200	1,200
Paint, Colour and Varnish	1935	336	1,616	250	1,866	336	1,866
	1930	318	1,776	234	2,010	342	2,160
	1924	247	1,135	185	1,320	287	1,530
Seed Crushing	...	—	—	—	—	—	—
Oil and Tallow	1935	407	2,539	332	2,871	407	2,871
	1930	354	1,840	200	2,040	381	2,190
	1924	288	1,237	105	1,342	328	1,500
Petroleum	...	—	—	—	—	—	—
Explosives and Fire-works	1935	10	24	28	52	10	52
	1930	7	9	30	39	10	50
	1924	10	39	44	83	15	130
Starch and Polishes	1935	172	643	228	871	174	880
	1930	198	585	251	836	204	860
	1924	107	330	147	477	137	610
Match	1935	111	323	208	531	111	531
	1930	102	257	205	462	111	500
	1924	84	204	142	346	114	500
Ink, Gum and Type-writer Requisites	1935	49	211	48	259	49	259
	1930	41	172	65	237	41	237
	1924	73	303	89	392	85	460
TOTAL—UNITED KINGDOM	1935	2,041	9,160	2,429	11,589	2,047	11,619
	1930	2,014	8,644	2,412	11,056	2,125	11,657
	1924	1,530*	6,835*	1,411*	8,246*	1,887	10,160
England and Wales	1935†	1,819	8,242	2,168	10,410	1,824	10,435
Scotland	1935†	197	806	250	1,056	198	1,061
Northern Ireland	1935†	25	112	11	123	25	123

\* Great Britain only.

† Particulars for 1930 and 1924 are not available.

Table II.—Size of establishments in 1935

Size of establishment (average number employed)	Number of establishments	Gross output	Net output	Number of persons employed (excluding out-workers)	Net output per person employed.
				No.	£
11-24	614	10,717	4,415	10,729	412
25-49	481	15,879	6,591	16,564	398
50-99	348	24,266	9,659	24,107	401
100-199	233	35,189	15,223	32,329	471
200-299	56	14,917	7,099	13,609	522
300-399	40	16,522	6,776	13,886	483
400-499	22	9,856	4,910	9,818	500
500-749	29	18,966	8,342	17,334	481
750-999	12	9,669	5,034	10,434	482
1,000-1,499	6	7,696	3,034	7,179	423
1,500 and over...	12	30,881	17,403	38,022	458
TOTAL	1,853	194,558	88,486	194,011	456

In the above Table every manufacturing or processing establishment is counted as a separate unit and a single firm may thus be included several times. In Table III the firm is taken as the unit, all establishments owned by a single firm in trades included in the Chemical and Allied Trades group being assembled together and counted once only. For this purpose, a "firm" includes all businesses operated under the same trading name; companies that made returns under their own name are included as separate firms although they may form part of, or be associated with, larger combinations for purposes of trading.

Table III.—Size of firms in 1935

Size of firm (average number employed)	Number of firms	Gross output	Net output	Number of persons employed (excluding out-workers)	Net output per person employed
				No.	£
11-24	481	7,612	3,083	8,366	369
25-49	396	12,596	5,283	13,722	385
50-99	287	18,941	8,082	20,010	404
100-199	201	27,964	12,596	27,972	450
200-299	45	13,102	6,113	11,111	550
300-399	31	11,401	5,286	10,673	495
400-499	20	11,583	4,770	8,916	535
500-749	29	16,677	7,089	16,781	422
750-999	12	11,061	6,005	10,345	580
1,000-1,499	6	7,679	2,959	7,254	408
1,500-1,999	3	4,804	2,248	5,322	422
2,000-2,499	5	14,498	5,704	11,458	498
2,500-2,999	3	8,994	3,240	8,017	404
3,000 and over...	7	27,646	16,028	34,064	471
TOTAL	1,526	194,558	88,486	194,011	456



Table IV.—Particulars of output, etc., in each of the principal areas of the United Kingdom

Area*	Number of establishments†	Gross output	Net output	Number of persons employed (excluding out-workers)	Net output per person employed
	No.	£'000	£'000	No.	£
<i>England and Wales</i>					
1. Greater London ... { 1935 1930	599 465	57,003 50,196	28,571 21,912	57,657 46,065	496 476
Lancashire, Cheshire and the Glossop and New Mills District of Derbyshire— { 1935 1930	359 327	54,376 52,467	24,102 21,575	50,681 49,027	476 440
3. West Riding of Yorkshire ... { 1935 1930	150 125	11,306 8,763	4,422 2,696	11,516 10,055	384 268
4. Northumberland, Durham and North Riding of Yorkshire— { 1935 1930	72 69	11,155 8,784	5,560 4,123	14,677 13,208	379 312
5. Warwickshire, Worcestershire and Staffordshire { 1935 1930	111 89	6,912 5,998	3,550 2,691	9,479 8,458	375 318
6. East Midland District ... 1935	67	8,169	4,197	7,992	525
7. West Midland District ... 1935	54	4,559	1,738	4,785	363
8. South - Eastern District (excluding Greater London)— 1935	51	4,430	1,289	3,957	326
9. South-Western District ... 1935	27	1,181	598	1,371	436
10. Eastern District... 1935	134	16,711	5,629	13,401	420
11. Cumberland and Westmorland ... 1935	6	181	62	215	288
6 to 11 ... { 1935 1930	339 315	35,231 34,116	13,513 11,469	31,721 31,551	426 364
12. South Wales (including Monmouthshire)— { 1935 1930	17 24	2,125 4,401	1,141 2,193	1,251 1,940	912 1,130
13. The rest of Wales { 1935 1930	5 5	747 539	354 223	863 586	410 381
Total—England and Wales ... { 1935 1930	1,652 1,419	178,855 165,264	81,213 66,882	177,845 160,890	457 416

Area*	Number of establishments†	Gross output	Net output	Number of persons employed (excluding out-workers)	Net output per person employed
	No.	£'000	£'000	No.	£
<i>Scotland</i>					
14. West Central District ... { 1935 1930	110 93	7,851 4,669	3,793 1,472	8,389 4,894	452 301
15. East Central District ... 1935	57	6,516	2,950	6,020	490
16. Southern Counties 1935	5	128	43	147	293
17. Northern Counties 1935	15	653	216	795	272
15 to 17 ... { 1935 1930	77 89	7,297 11,018	3,209 4,144	6,962 10,724	461 386
Total—Scotland { 1935 1930	187 182	15,148 15,687	7,002 5,616	15,351 15,618	456 360
TOTAL—Great Britain { 1935 1930	1,839 1,601	194,003 180,951	88,215 72,498	193,196 176,508	457 411
18. Northern Ireland { 1935 1930	14 12	555 551	271 256	815 829	333 309
TOTAL — UNITED KINGDOM ... { 1935 1930	1,853 1,613	194,558 181,502	88,486 72,754	194,011 177,337	456 410

\* For particulars see page xviii.  
† Number of returns for 1930.

PRODUCTION

Table V.—Estimated value of the gross output in 1935, free from duplication

Trade	Gross output		Net output
	Value as returned	Estimated value free from duplication	
	£'000	£'000	£'000
Chemicals, Dyestuffs and Drugs ...	68,761	62,000-64,000	36,548
Fertiliser, Disinfectant, Glue, etc. ...	7,348	6,900-6,950	2,968
Soap, Candle and Perfumery ...	26,308	25,700-25,800	13,168
Paint, Colour and Varnish ...	22,140	20,000-20,300	10,846
Seed Crushing ...	22,625	22,000-22,150	4,422
Oil and Tallow ...	17,644	17,400-17,550	5,664
Petroleum ...	8,420	7,920	3,190
Explosives and Fireworks ...	5,566	5,400-5,500	3,311
Starch and Polishes ...	7,126	7,126	4,305
Match ...	4,345	4,345	1,517
Ink, Gum and Typewriter Requisites ...	4,275	4,275	2,547



Table VI.—Volume of Production, 1924-1935

Kind of output	Production index (1935=100)			
	1924	1930	1933	1934
Chemicals, dyestuffs and drugs ...	67	69	82*	92*
Fertilisers, disinfectants, glue, etc. ...	74	91	96	99
Soap, candles and perfumery ...	70	74	88	94
Paint, colours and varnishes ...	76	88	83	90
Seed oils, oil cake, etc. ...	96	80	81	86
Animal and fish oils, etc. ...	53	71	83*	80*
Petroleum, refined ...	102*	124*	†	†
Explosives and fireworks ...	76	87	89	86
Starch and polishes ...	107	90	91	94
Matches ...	94	93	†	†
Ink, gum, typewriter requisites, etc. ...	56	84	81*	90*

\* In calculating these index numbers the figures for the base year have been adjusted.

† Not covered by the Inquiries for these years.

## CONSUMPTION OF FUEL AND ELECTRICITY

Table VII.—Consumption of coal and coke for all purposes

Trade	Coal		Coke	
	1935	1930	1935	1930
	Th. tons	Th. tons	Th. tons	Th. tons
Chemicals, Dyestuffs and Drugs ...	3,029.3	2,274.7	217.9	405.7
Fertiliser, Disinfectant, Glue, etc. ...	193.8	177.1	15.4	7.0
Soap, Candle and Perfumery ...	375.6	373.1	8.7	11.3
Paint, Colour and Varnish ...	164.9	109.6	28.4	19.1
Seed Crushing ...	219.7	227.1	8.2	14.3
Oil and Tallow ...	150.2	114.1	13.8	7.2
Petroleum ...	214.7	400.0	4.8	27.3
Explosives and Fireworks ...	103.1	57.4	2.2	1.0
Starch and Polishes ...	51.2	51.1	13.7	4.8
Match ...	9.6	12.9	—	0.5
Ink, Gum and Typewriter Requisites ...	10.4	8.1	2.3	1.8
Consumption in unclassified trades in Northern Ireland ...	—	16.0	—	—
TOTAL ...	4,522.5	3,821.2	315.4	500.0

Table VIII.—Consumption of heavy fuel oil in 1935

Trade	Quantity	Trade	Quantity
	Th. galls.		Th. galls.
Chemicals, Dyestuffs and Drugs	2,979	Petroleum ...	33,384
Fertiliser, Disinfectant, Glue, etc. ...	162	Explosives and Fireworks...	66
Soap, Candle and Perfumery...	538	Starch and Polishes ...	200
Paint, Colour and Varnish ...	1,297	Match ...	39
Seed Crushing ...	8	Ink, Gum and Typewriter Requisites...	133
Oil and Tallow ...	993	TOTAL ...	39,799

Table IX.—Consumption of electricity

Trade	Electricity consumed			
	Purchased	Generated		Total
		In same works	In other works under same ownership	
	Million B.T.U. (Kw.-hrs.)			
Chemicals, Dyestuffs and Drugs	1935 234.0	761.9	207.9	1,203.8
	1930 240.5	359.9	20.9	621.3
Fertiliser, Disinfectant, Glue, etc.	1935 20.6	8.5	2.4	31.5
	1930 15.1	5.2	0.4	20.7
Soap, Candle and Perfumery ...	1935 14.3	26.9	0.3	41.5
	1930 9.1	21.6	—	30.7
Paint, Colour and Varnish ...	1935 39.5	2.0	0.4	41.9
	1930 23.0	3.2	—	26.2
Seed Crushing ...	1935 46.5	28.4	8.4	83.3
	1930 30.5	21.5	3.6	55.6
Oil and Tallow ...	1935 18.3	2.8	14.9	36.0
	1930 6.2	3.1	10.4	19.7
Petroleum ...	1935 14.0	34.1	—	48.1
	1930 2.3	42.6	*	44.9
Explosives and Fireworks ...	1935 13.2	2.5	—	15.7
	1930 1.2	11.0	—	12.2
Starch and Polishes ...	1935 8.2	1.7	1.0	10.9
	1930 5.8	0.7	1.3	7.8
Match ...	1935 0.7	2.9	—	3.6
	1930 0.3	2.2	—	2.5
Ink, Gum and Typewriter Requisites ...	1935 6.6	0.4	0.1	7.1
	1930 4.2	0.4	*	4.6
Consumption in unclassified trades in Northern Ireland ...	1930 0.1	4.4	—	4.5
TOTAL ...	1935 415.9	872.1	235.4	1,523.4
	1930 338.3	475.8	36.6	850.7

\* Less than 50,000 units.



## EMPLOYMENT

Table X A.—Average number of persons employed by all firms

Trade		Persons employed by firms employing more than ten persons	Estimated number of persons employed by the small firms	Total
		Thous.	Thous.	Thous.
Chemicals, Dyestuffs and Drugs...	1935	77.6	2.8	80.4
	1930	70.5	3.3	73.8
	1924	66.9	3.0	69.9
Fertiliser, Disinfectant, Glue, etc.	1935	9.6	1.1	10.7
	1930	8.5	1.2	9.7
	1924	9.7	1.2	10.9
Soap, Candle and Perfumery ...	1935	29.1	1.2	30.3
	1930	27.0	1.2	28.2
	1924	29.2	1.2	30.4
Paint, Colour and Varnish ...	1935	24.9	1.9	26.8
	1930	21.3	2.2	23.5
	1924	18.5	1.6	20.1
Seed Crushing ...	1935	11.5	—	11.5
	1930	11.0	—	11.0
	1924	14.0	—	14.0
Oil and Tallow ...	1935	9.7	2.9	12.6
	1930	8.1	2.2	10.3
	1924	6.3	1.5	7.8
Petroleum ...	1935	4.2	—	4.2
	1930	5.6	—	5.6
	1924	6.9	—	6.9
Explosives and Fireworks ...	1935	9.9	0.1	10.0
	1930	8.7	0.1	8.8
	1924	8.6	0.1	8.7
Starch and Polishes ...	1935	8.7	0.9	9.6
	1930	8.0	0.8	8.8
	1924	9.3	0.6	9.9
Match ...	1935	3.8	0.5	4.3
	1930	4.0	0.5	4.5
	1924	4.9	0.5	5.4
Ink, Gum and Typewriter Requisites ...	1935	5.0	0.2	5.2
	1930	4.0	0.2	4.2
	1924	3.2	0.5	3.7
Unclassified trades (Northern Ireland) ...	1930	0.6	—	0.6
	1924	0.6	—	0.6
	TOTAL—UNITED KINGDOM ...	1935	194.0	11.6
	1930	177.3	11.7	189.0
	1924	178.1	10.2	188.3
England and Wales ...	1935	177.8	10.4	188.2
	1930	160.9	*	*
	1924	160.1	*	*
Scotland ...	1935	15.4	1.1	16.5
	1930	15.6	*	*
	1924	17.1	*	*
Northern Ireland ...	1935	0.8	0.1	0.9
	1930	0.8	*	*
	1924	0.9	*	*

\* Not available.

Table X B.—Average numbers (excluding outworkers) employed, 1924-1935

(i) Operatives

Trade		Males		Females		Total		
		Under 18	Total	Under 18	Total	Under 18	18 and over	Total
		Thous.	Thous.	Thous.	Thous.	Thous.	Thous.	Thous.
Chemicals, Dyestuffs and Drugs	1935	2.5	48.2	3.2	11.3	5.7	53.8	59.5
	1930	2.5	46.2	2.5	9.6	5.0	50.8	55.8
	1924	2.8	46.3	2.5	9.3	5.3	50.3	55.6
Fertiliser, Disinfectant, Glue, etc. ...	1935	0.4	6.3	0.3	1.2	0.7	6.8	7.5
	1930	0.4	5.9	0.3	1.1	0.7	6.3	7.0
	1924	0.4	6.7	0.3	1.4	0.7	7.4	8.1
Soap, Candle and Perfumery ...	1935	0.9	10.3	3.7	10.1	4.6	15.8	20.4
	1930	0.8	10.8	2.8	8.4	3.6	15.6	19.2
	1924	1.5	12.0	3.3	9.8	4.8	17.0	21.8
Paint, Colour and Varnish ...	1935	1.0	13.2	0.6	2.3	1.6	13.9	15.5
	1930	0.9	12.4	0.5	2.0	1.4	13.0	14.4
	1924	0.8	10.8	0.4	1.9	1.2	11.5	12.7
Seed Crushing ...	1935	0.1	9.4	0.1	0.3	0.2	9.5	9.7
	1930	0.1	9.1	0.1	0.2	0.2	9.1	9.3
	1924	0.2	11.7	0.1	0.4	0.3	11.8	12.1
Oil and Tallow...	1935	0.4	5.2	0.1	0.7	0.5	5.4	5.9
	1930	0.3	4.1	0.1	0.7	0.4	4.4	4.8
	1924	0.2	4.0	0.1	0.3	0.3	4.0	4.3
Petroleum ...	1935	0.2	3.6	*	*	0.2	3.4	3.6
	1930	0.2	4.8	—	*	0.2	4.6	4.8
	1924	0.4	6.0	*	*	0.4	5.6	6.0
Explosives and Fireworks ...	1935	0.2	4.5	0.8	3.9	1.0	7.4	8.4
	1930	0.2	3.8	0.7	3.9	0.9	6.8	7.7
	1924	0.4	3.6	1.3	4.0	1.7	5.9	7.6
Starch and Polishes ...	1935	0.1	3.0	0.9	3.3	1.0	5.3	6.3
	1930	0.2	2.8	0.9	3.4	1.1	5.1	6.2
	1924	0.2	3.1	0.9	4.4	1.1	6.4	7.5
Match ...	1935	0.1	1.3	0.4	2.1	0.5	2.9	3.4
	1930	0.1	1.3	0.6	2.3	0.7	2.9	3.6
	1924	0.1	1.6	0.4	2.9	0.5	4.0	4.5
Ink, Gum and Typewriter Requisites ...	1935	0.2	2.2	0.3	1.0	0.5	2.7	3.2
	1930	0.2	1.9	0.2	0.7	0.4	2.2	2.6
	1924	0.2	1.5	0.2	0.7	0.4	1.8	2.2
Unclassified trades (Northern Ireland) ...	1930	*	0.5	—	*	*	0.5	0.5
	1924	*	0.5	—	*	*	0.5	0.5
	TOTAL ...	1935	6.1	107.2	10.4	36.2	16.5	126.9
	1930	5.9	103.6	8.7	32.3	14.6	121.3	135.9
	1924	7.2	107.8	9.5	35.1	16.7	126.2	142.9

\* Less than 50 persons.



**Table X B.—Average numbers (excluding outworkers) employed, 1924-1935—(continued)**

(ii) *Administrative, technical and clerical staff*

Trade	Males		Females		Total			
	Under 18	Total	Under 18	Total	Under 18	18 and over	Total	
	No.	No.	No.	No.	No.	No.	No.	
Chemicals, Dye-stuffs and Drugs	1935	556	12,261	801	5,834	1,357	16,738	18,095
	1930	703	10,205	773	4,484	1,476	13,213	14,689
	1924	532	8,147	390	3,191	922	10,416	11,338
Fertiliser, Disinfectant, Glue, etc. ...	1935	98	1,588	60	591	158	2,021	2,179
	1930	85	1,124	50	382	135	1,371	1,506
	1924	86	1,225	38	337	124	1,438	1,562
Soap, Candle and Perfumery ...	1935	175	5,436	387	3,241	562	8,115	8,677
	1930	257	5,133	483	2,687	740	7,080	7,820
	1924	361	4,975	321	2,411	682	6,704	7,386
Paint, Colour and Varnish ...	1935	406	6,851	356	2,516	762	8,605	9,367
	1930	340	5,039	257	1,830	597	6,272	6,869
	1924	259	4,385	149	1,448	408	5,425	5,833
Seed Crushing ...	1935	73	1,350	31	457	104	1,703	1,807
	1930	51	1,347	35	354	86	1,615	1,701
	1924	92	1,506	26	460	118	1,848	1,966
Oil and Tallow...	1935	162	2,855	108	966	270	3,551	3,821
	1930	191	2,454	122	831	313	2,972	3,285
	1924	109	1,564	57	476	166	1,874	2,040
Petroleum ...	1935	27	564	1	64	28	600	628
	1930	49	738	10	80	59	759	818
	1924	79	776	13	92	92	776	868
Explosives and Fireworks ...	1935	26	975	43	475	69	1,381	1,450
	1930	34	642	28	367	62	947	1,009
	1924	33	638	23	297	56	879	935
Starch and Polishes	1935	29	1,623	123	782	152	2,253	2,405
	1930	40	1,252	118	571	158	1,665	1,823
	1924	44	1,233	80	531	124	1,640	1,764
Match ...	1935	8	282	7	101	15	368	383
	1930	6	307	11	116	17	406	423
	1924	7	290	4	115	11	394	405
Ink, Gum and Typewriter Requisites ...	1935	51	1,264	64	555	115	1,704	1,819
	1930	74	946	81	453	155	1,244	1,399
	1924	40	674	50	317	90	901	991
Unclassified trades (Northern Ireland) ...	1930	1	53	—	14	1	66	67
	1924	5	67	1	9	6	70	76
TOTAL ...	1935	1,611	35,049	1,981	15,582	3,592	47,039	50,631
	1930	1,831	29,240	1,968	12,169	3,799	37,610	41,409
	1924	1,647	25,480	1,152	9,684	2,799	32,365	35,164

**Table X B.—Average numbers (excluding outworkers) employed, 1924-1935—(continued)**

(iii) *Total staff*

Trade	Males		Females		Total			
	Under 18	Total	Under 18	Total	Under 18	18 and over	Total	
	Thous.	Thous.	Thous.	Thous.	Thous.	Thous.	Thous.	
Chemicals, Dye-stuffs and Drugs	1935	3.1	60.5	4.0	17.1	7.1	70.5	77.6
	1930	3.2	56.4	3.3	14.1	6.5	64.0	70.5
	1924	3.3	54.5	2.9	12.4	6.2	60.7	66.9
Fertiliser, Disinfectant, Glue, etc. ...	1935	0.4	7.9	0.4	1.7	0.8	8.8	9.6
	1930	0.4	7.0	0.4	1.5	0.8	7.7	8.5
	1924	0.5	7.9	0.4	1.8	0.9	8.8	9.7
Soap, Candle and Perfumery ...	1935	1.1	15.7	4.1	13.4	5.2	23.9	29.1
	1930	1.1	15.9	3.3	11.1	4.4	22.6	27.0
	1924	1.9	17.0	3.6	12.2	5.5	23.7	29.2
Paint, Colour and Varnish ...	1935	1.4	20.0	1.0	4.9	2.4	22.5	24.9
	1930	1.2	17.5	0.8	3.8	2.0	19.3	21.3
	1924	1.0	15.2	0.6	3.3	1.6	16.9	18.5
Seed Crushing ...	1935	0.2	10.8	0.1	0.7	0.3	11.2	11.5
	1930	0.2	10.4	0.1	0.6	0.3	10.7	11.0
	1924	0.3	13.2	0.1	0.8	0.4	13.6	14.0
Oil and Tallow...	1935	0.5	8.1	0.2	1.6	0.7	9.0	9.7
	1930	0.5	6.6	0.2	1.5	0.7	7.4	8.1
	1924	0.3	5.5	0.1	0.8	0.4	5.9	6.3
Petroleum ...	1935	0.2	4.1	*	0.1	0.2	4.0	4.2
	1930	0.3	5.5	*	0.1	0.3	5.3	5.6
	1924	0.5	6.8	*	0.1	0.5	6.4	6.9
Explosives and Fireworks ...	1935	0.3	5.5	0.8	4.4	1.1	8.8	9.9
	1930	0.2	4.4	0.7	4.3	0.9	7.8	8.7
	1924	0.5	4.3	1.3	4.3	1.8	6.8	8.6
Starch and Polishes	1935	0.2	4.6	1.0	4.1	1.2	7.5	8.7
	1930	0.3	4.1	1.0	3.9	1.3	6.7	8.0
	1924	0.2	4.3	1.0	5.0	1.2	8.1	9.3
Match ...	1935	0.1	1.6	0.4	2.2	0.5	3.3	3.8
	1930	0.1	1.6	0.6	2.4	0.7	3.3	4.0
	1924	0.1	1.9	0.4	3.0	0.5	4.4	4.9
Ink, Gum and Typewriter Requisites ...	1935	0.2	3.5	0.4	1.5	0.6	4.4	5.0
	1930	0.2	2.8	0.3	1.2	0.5	3.5	4.0
	1924	0.2	2.1	0.3	1.1	0.5	2.7	3.2
Unclassified trades (Northern Ireland) ...	1930	*	0.6	—	*	*	0.6	0.6
	1924	*	0.6	*	*	*	0.6	0.6
TOTAL ...	1935	7.7	142.3	12.4	51.7	20.1	173.9	194.0
	1930	7.7	132.8	10.7	44.5	18.4	158.9	177.3
	1924	8.8	133.3	10.7	44.8	19.5	158.6	178.1

\* Less than 50 persons.



**Table X C.—Summary of the average numbers (excluding outworkers) employed, 1924-1935**

Country	Males		Females		Total			
	Under 18	Total	Under 18	Total	Under 18	18 and over	Total	
Operatives								
	Thous.	Thous.	Thous.	Thous.	Thous.	Thous.	Thous.	
England and Wales	1935	5.7	96.9	9.9	33.8	15.6	115.1	130.7
	1930	5.3	92.4	8.3	29.8	13.6	108.6	122.2
	1924	6.7	95.2	9.0	32.5	15.7	112.0	127.7
Scotland	1935	0.4	9.7	0.5	2.3	0.9	11.1	12.0
	1930	0.6	10.6	0.4	2.4	1.0	12.0	13.0
	1924	0.5	11.9	0.5	2.5	1.0	13.4	14.4
Northern Ireland	1935	*	0.6	*	0.1	*	0.7	0.7
	1930	*	0.6	*	0.1	*	0.7	0.7
	1924	*	0.7	*	0.1	*	0.8	0.8
TOTAL—United Kingdom	1935	6.1	107.2	10.4	36.2	16.5	126.9	143.4
	1930	5.9	103.6	8.7	32.3	14.6	121.3	135.9
	1924	7.2	107.8	9.5	35.1	16.7	126.2	142.9
Administrative, technical and clerical staff								
England and Wales	1935	1.5	32.6	1.9	14.5	3.4	43.7	47.1
	1930	1.7	27.2	1.9	11.5	3.6	35.1	38.7
	1924	1.5	23.4	1.1	9.0	2.6	29.8	32.4
Scotland	1935	0.1	2.4	0.1	1.0	0.2	3.2	3.4
	1930	0.1	1.9	0.1	0.7	0.2	2.4	2.6
	1924	0.1	2.0	0.1	0.7	0.2	2.5	2.7
Northern Ireland	1935	*	0.1	*	*	*	0.1	0.1
	1930	*	0.1	*	*	*	0.1	0.1
	1924	*	0.1	*	*	*	0.1	0.1
TOTAL—United Kingdom	1935	1.6	35.1	2.0	15.5	3.6	47.0	50.6
	1930	1.8	29.2	2.0	12.2	3.8	37.6	41.4
	1924	1.6	25.5	1.2	9.7	2.8	32.4	35.2
Total staff (excluding outworkers)								
England and Wales	1935	7.2	129.5	11.8	48.3	19.0	158.8	177.8
	1930	7.0	119.6	10.2	41.3	17.2	143.7	160.9
	1924	8.2	118.6	10.1	41.5	18.3	141.8	160.1
Scotland	1935	0.5	12.1	0.6	3.3	1.1	14.3	15.4
	1930	0.7	12.5	0.5	3.1	1.2	14.4	15.6
	1924	0.6	13.9	0.6	3.2	1.2	15.9	17.1
Northern Ireland	1935	*	0.7	*	0.1	*	0.8	0.8
	1930	*	0.7	*	0.1	*	0.8	0.8
	1924	*	0.8	*	0.1	*	0.9	0.9
TOTAL—UNITED KINGDOM	1935	7.7	142.3	12.4	51.7	20.1	173.9	194.0
	1930	7.7	132.8	10.7	44.5	18.4	158.9	177.3
	1924	8.8	133.3	10.7	44.8	19.5	158.6	178.1

\* Less than 50 persons.

**Table X D.—Average number of outworkers employed, 1924-1935**

The only trade in the Chemical and Allied Trades group employing outworkers was the Match Trade, in which two females were recorded as employed in England and Wales in 1935, seven males in 1930 and no person in 1924. No outworkers were recorded for Scotland or Northern Ireland.

**Table X E.—Operatives employed in one week of each month by firms furnishing returns in respect of the twelve months ended December**

Mid week of*	Operatives employed		Monthly index†			
	1930	1935	1930	1933‡	1934‡	1935
January ...	104,737	104,039	99.3	87.0	93.1	98.5
February ...	103,728	104,108	98.3	88.6	93.7	98.6
March ...	103,411	104,611	98.0	88.8	94.1	99.0
April ...	102,632	104,485	97.3	89.0	94.7	98.9
May ...	102,290	104,283	97.0	89.1	94.1	98.7
June ...	100,737	104,323	95.5	88.5	93.8	98.8
July ...	100,260	104,456	95.1	88.3	92.9	98.9
August ...	99,248	105,423	94.1	88.4	94.4	99.8
September ...	98,734	106,446	93.6	90.2	95.1	100.8
October ...	97,629	107,168	92.6	91.3	94.8	101.5
November ...	96,713	109,119	91.7	92.9	95.6	103.3
December ...	96,100	109,139	91.1	92.7	95.4	103.3
Average for the twelve months ...	100,518	105,633	95.3	89.6	94.3	100.0
Proportion of total operatives represented ...	73.56	73.67	...	...	...	...

\* For the ending date of each week, see page xiv.

† Based on the estimated average for the year 1935.

‡ Exclusive of the Match Trade and the Petroleum Trade not covered by the Inquiries for these years. The index numbers are related to a corresponding figure for 1935.



**Table XI.—Wages paid by firms furnishing returns of wages in 1935 and 1930**

Trade	Average number of operatives		Net output		Wages paid	
	Number	Proportion of trade	Amount	Proportion of trade	Amount	Proportion of net output
		Per cent.	£'000	Per cent.	£'000	Per cent.
Chemicals, Dye-stuffs and Drugs	1935 44,976	75.6	28,273	77.4	6,596	23.3
	1930 42,799	76.7	17,022	68.1	6,372	37.4
Fertiliser, Disinfectant, Glue, etc. ...	1935 4,915	66.1	2,193	73.9	634	28.9
	1930 4,840	68.7	1,747	67.2	618	35.4
Soap, Candle and Perfumery ...	1935 9,580	46.9	5,617	42.7	1,043	18.6
	1930 14,707	77.3	9,984	77.6	1,929	19.3
Paint, Colour and Varnish ...	1935 10,183	65.6	7,106	65.5	1,360	19.1
	1930 7,669	53.2	4,375	50.7	1,040	23.8
Seed Crushing ...	1935 8,267	84.9	3,776	85.4	1,218	32.2
	1930 7,933	85.4	1,853	76.7	1,093	59.0
Oil and Tallow ...	1935 3,275	55.5	3,317	58.6	440	13.3
	1930 2,054	42.8	1,572	31.8	279	17.7
Petroleum ...	1935 1,759	49.8	1,938	60.8	294	15.1
	1930 2,217	46.1	2,670	46.7	416	15.6
Explosives and Fireworks ...	1935 7,122	84.6	2,965	89.5	891	30.1
	1930 5,234	62.3	2,270	75.6	643	28.3
Starch and Polishes	1935 5,147	81.5	3,662	85.1	638	17.4
	1930 3,672	59.8	2,286	57.1	421	18.4
Match ...	1935 3,230	95.5	1,500	98.9	380	25.4
	1930 3,249	90.4	1,431	96.5	360	25.2
Ink, Gum and Typewriter Requisites ...	1935 2,572	80.9	2,137	83.9	443	20.7
	1930 1,372	52.2	1,020	50.9	203	19.9
TOTAL ...	1935 101,026	70.5	62,484	70.6	13,937	22.3
	1930 95,746	70.4	46,230	63.5	13,374	28.9