



BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 2

Trade 1

PAINT AND VARNISH

*Presented by the Board of Trade to Parliament
in pursuance of the Statistics of Trade Act, 1947
(10 & 11 Geo. 6, Ch. 39, Sec. 7).*

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THREE SHILLINGS NET

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s 0d. NET

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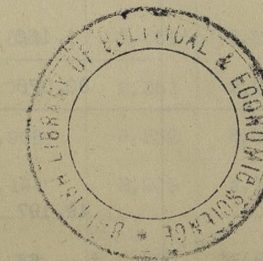
* Not applicable to this trade

PAINT AND VARNISH TRADE

THIS REPORT on the Paint and Varnish Trade relates to establishments engaged wholly or mainly in the manufacture of paint, varnish, enamel, distemper, wood stain, artists' colours, etc. (but not pigments).

This trade corresponds to minimum list heading 34 in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded in 1948; no production was recorded there in this trade in 1937 or 1935.



CHEMICALS AND ALLIED TRADES
PAINT AND VARNISH TRADE

Summary

Larger establishments

TABLE 1

	1948	1937	1935
Gross output (production)	£'000 80,078	£'000 22,142	£'000 19,504
Cost of materials and fuel used	49,263	11,997	9,818
Payment for work done on materials given out	38	3	1
Net output	30,777	10,142	9,685
Wages and salaries of persons employed	12,122	..	..
Average number of persons employed (a)	No. 32,923(b)	No. 23,934	No. 22,188
Net output per person employed (a)	£ 935	£ 424	£ 437
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	8,126	..	..
Materials and fuel	8,608	..	..
Number of establishments	No. 363	No. ..	No. 286

(a) Excluding outworkers.

(b) For an estimate of the total number of persons employed in this trade see Table 3.

The values of gross output and of materials and fuel used are derived in the following way:-

	1948	1937	1935
Output of firms in this trade	£'000	£'000	£'000
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	73,865	20,823	18,297
Other output (see Table 10)	5,879	1,319	1,207
Adjustment for changes in stocks and work in progress (see Table 14)	+ 1,486	..	..
	81,230	} 22,142	19,504
Less payment for transport by other firms	1,152		
Gross output (production)	80,078	22,142	19,504
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	49,197	} 11,997	9,818
Adjustment for changes in stocks (see Table 14)	+ 66		
Materials and fuel used	49,263	11,997	9,818

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	244
Average number of persons employed (a)	
Males	1,118
Females	230
Total	1,346

(a) Including working proprietors.

Estimated average employment, 1948

All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	32,923
Employing on average ten persons or less (b)	1,346
	34,269
Estimated average employment in firms not making satisfactory returns	231
Estimated average employment in all firms	34,500

(a) See Tables 1 and 15.

(b) See Table 2.

Analysis by size, 1948

Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	109	5,190	1,980	1,920	356	385	740	1,031
25-49	98	8,965	3,208	3,530	621	639	1,260	909
50-99	76	13,967	5,211	5,366	939	1,143	2,082	971
100-199	46	16,251	6,396	6,419	1,136	1,302	2,438	996
200-299	12	5,830	2,461	2,863	527	417	944	859
300-399	7	5,714	2,361	2,343	363	521	885	1,008
400-749	11	15,968	6,252	6,346	1,021	1,120	2,141	985
750-1,499	4	8,194	2,909	4,136	619	1,013	1,632	703
Total	363	80,078	30,777	32,923	5,582	6,540	12,122	935

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
England	No.	£'000	£'000		No.	£'000	£'000	£'000
Northern	16	8,595	2,764	9.0	2,516	455	352	807
East and West Ridings of Yorkshire	37	7,236	2,927	9.5	3,268	516	530	1,046
North Midland	6	1,107	396	1.3	371	67	55	122
Eastern	10	2,853	1,020	3.3	1,261	183	315	497
London and South Eastern	145	28,560	11,538	37.5	12,299	2,133	2,658	4,791
Southern	10	4,012	1,438	4.7	1,904	307	488	795
South Western	19	3,046	1,159	3.8	1,496	216	278	494
Midland	28	6,144	2,535	8.2	2,399	441	533	974
North Western	57	13,383	5,305	17.2	5,404	933	941	1,874
Total England	328	74,934	29,083	94.5	30,918	5,252	6,150	11,402
Wales	8	548	198	0.6	215	40	48	88
Scotland	27	4,595	1,496	4.9	1,790	291	341	633
Great Britain	363	80,078	30,777	100.0	32,923	5,582	6,540	12,122

TABLE 6 - Analysis according to specialisation within the trade, 1948

Larger establishments in Great Britain

No specialisation within this trade was distinguished.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

Sales (or production) of the principal products of the trade, including sales (or production) of these products by establishments classified to other trades

Larger establishments

TABLE 8

	1948 Sales			1937 Production		1935 Production		
	Quantity	Value	Entries	Quantity	Value	Quantity	Value	
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000	
Paints, pigments and extenders in paste form, whether with oil or other medium								
White lead, genuine	286(a)	1,651	102	452	921(b)	491	735(b)	
Red lead and orange lead, genuine	9	58	51	895	1,469	894	1,417	
Zinc oxide, genuine	75	452	77					
Other paste paints, except artists'	336	1,693	201					
Distempers and water paints								
Dry distempers	{ 237 ..	{ 654 86	{ 75	91	115	89	115	
Other, including distempers in paste form	1,892	5,174	202	594	689	561	627	
Paints and painters' enamels, ready-mixed, including those containing synthetic resin	Th. cwts.	Th. galls.						
Cellulose, pigmented	{ .. 66	{ 2,541 ..	{ 3,073 530	93	159	1,044	144	968
White lead paint, genuine	{ .. 145 ..	{ 381 ..	{ 763 1,040 129					
Red lead paint, genuine	{ .. 110	{ 199 ..	{ 405 509	144	329	915	392	959
Zinc oxide paint, genuine	{ .. 44 ..	{ 308 ..	{ 478 366 358					
Metallic paint	{ .. 35	{ 575 ..	{ 760 411	211	3,104	9,395	2,592	7,526
Other ready-mixed paints, including preservative paints, not elsewhere specified								
Based on synthetic resin (c)	{ .. 362	{ 5,397 ..	{ 7,096 2,688	211	3,104	9,395	2,592	7,526
Other	{ 17 .. 725	{ 117 16,289 ..	{ 143 22,808 5,738					

TABLE 8 (contd.)

	1948 Sales				1937 Production		1935 Production	
	Quantity		Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	Th. galls.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Paints and painters' enamels ready-mixed, including those containing synthetic resin (contd.)								
Unclassified	{ .. 5 ..	39	52 24 251	12	-	-	-	-
Ships' bottom compositions (anti-corrosive and anti-fouling)	177	..	1,033	57	185	616	163	510
Bituminous paints, and bituminous solutions and emulsions for use as paint	{ 18 .. 439	187 1,643 ..	46 273 712	168	80	101(d)	..	(e)
Varnishes and lacquers, not pigmented		Th. galls.			Th. galls.		Th. galls.	
Cellulose ester and cellulose ether varnishes, lacquers and clear solutions	2,156		1,708	86	2,040	957	1,922	915
Oil varnish containing both resin and drying oils, but excluding preparations containing pigments								
Based on synthetic resin (c)	1,356		1,282	149				
Other	4,367		3,935	156				
Other varnishes and lacquers, including japans and varnish stains					9,075	3,076	9,148	3,303
Based on synthetic resin (c)	{ 264 ..		252 46	74				
Other	2,335		1,606	169				
Manufactured thinners (solvent mixtures for use with paints, varnishes and lacquers)	4,778		2,263	211	2,189	591	1,526	424
Manufactured liquid driers	481		442	154				
Turpentine substitute	{ 87 ..		23 51	10	11	26(f)	12	19(f)

TABLE 8 (contd.)

	1948 Sales			1937 Production		1935 Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Wood preservatives (other than those containing oils of coal tar) and stains (other than varnish stains)	{ 48 ..	190 132	79	{ 37 ..	75(f) 8	28 ..	49(f) 8
Putty	550	1,330	151	588	287	488	239
Litho-varnish and stand oil	33	469	9	{ 41 220	88 57	{ 34 180	62 42
Artists' paints and colours							
Oil	..	195	8				
Water paints and colours, and other artists' materials	{ 3 ..	97 321	12		254	..	242
Fitted boxes (f)							
Water colours and oil colours	..	287	6				
Waterproofing compounds, roofing compositions and similar protective products, not elsewhere specified	{ 122 ..	195 161	45	113	194	59	178
Paint and varnish makers' materials, not elsewhere specified							
Gum copal, processed	136	920	11	63	108		
Other (c)	{ 73 ..	528 83	44	64	167		
Paste fillers	{ 38 ..	227 47	120			..	304
Paint removers and strippers	{ 158 ..	290 131	137				
French polish	Th. galls. { 17 ..	13 16(f)	e		122		
Dehydrated castor oil	Th. cwts. 13	277(f)	..				
Litho, letterpress and other printers' varnishes	Th. galls. 196	251	19	-	-	-	-

TABLE 8 (contd.)

	1948 Sales			1937 Production		1935 Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
		£'000	No.		£'000		£'000
Waste products	..	10	24	..	(e)	..	(e)
Work done for the trade or on commission (g)		229	18		165		124
Total		77,462	..		21,440		18,766
Less sales (or production) in other trades (see Table 9)		3,597	..		617		469
Total principal products of this trade sold or made by establishments in the trade		73,865	331		20,823		18,297

(a) For total sales of white lead basic carbonate, dry, see the Chemicals (General) Trade (Volume 2 Trade E).

(b) Described as "White lead in paste or pulp".

(c) Excluding esterified natural resins and zinc resinates.

(d) Described as "Bituminous paints and cements", so far as recorded separately.

(e) Not recorded separately.

(f) So far as recorded separately.

(g) Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) of principal products of the trade by establishments classified to other trades

Larger establishments

TABLE 9

	1948 Sales			1937 Production		1935 Production		
	Quantity	Value	Entries	Quantity	Value	Quantity	Value	
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000	
Paints, pigments and extenders in paste form, whether with oil or other medium								
White lead, genuine	140	742	8	84	153	60	80	
Red lead and orange lead, genuine	-	4	..	11	15	17	21	
Zinc oxide, genuine	6	28	..					
Other paste paints, except artists'	50	288	13					
Distempers and water paints								
Dry distempers	6	9	..	1	-	4	1	
Other, including distempers in paste form	14	21	..					
Paints and painters' enamels, ready-mixed, including those containing synthetic resin	Th. cwts.	Th. galls.						
Cellulose, pigmented	..	18	25	..	5	32	4	26
White lead paint, genuine	-	-	-	..	3	8	4	8
Metallic paint	3	..	5	..				
Other ready-mixed paints, including preservative paints, not elsewhere specified								
Based on synthetic resin	{ ..	42	58	5	29	57	44	83
	{ 10	..	31					
Other	{ ..	108	81	11				
	{ 18	..	46					
Unclassified	{ ..	17	13	9				
	{ 5	..	24					
	{	251					
Ships' bottom compositions (anti-corrosive and anti-fouling)	1	..	4	..	3	5	2	5

TABLE 9 (contd.)

	1948 Sales			1937 Production		1935 Production	
	Quantity		Value	Quantity	Value	Quantity	Value
	Th. cwts.	Th. galls.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Bituminous paints, and bituminous solutions and emulsions for use as paint	18 .. 57	187 1,236 ..	46 129 109	37	26 34	..	(a)
Varnishes and lacquers, not pigmented							
Cellulose ester and cellulose ether varnishes, lacquers and clear solutions		Th. galls.			Th. galls.		Th. galls.
		31	26	..	11	5	..
Oil varnish containing both resin and drying oils, but excluding preparations containing pigments							
Based on synthetic resin (c)		2	2	..			
Other		4	3	..			
Other varnishes and lacquers, including japans and varnish stains					466	65	641
Based on synthetic resin (c)		2 ..	1 5	5			
Other		161	113	16			
Manufactured thinners (solvent mixtures for use with paints, varnishes and lacquers), and turpentine substitute		67 ..	33 51	13	40	11	41
Manufactured liquid driers		129	117	..			6
Wood preservatives (other than those containing oils of coal tar) and stains (other than varnish stains)		19 ..	109 81	13	6 ..	16 8	4 ..
Putty		87	193	9	79	35	84
Litho-varnish and stand oil		-	-	-	220	56	179
Artists' paints and colours							
Water paints and colours, and other artists' materials		1 ..	14 27	..	..	28	..
Waterproofing compounds, roofing compositions and similar protective products, not elsewhere specified		56 ..	89 42	12	8	13	3

TABLE 9 (contd.)

	1948 Sales			1937 Production		1935 Production	
	Quantity		Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Paint and varnish makers' materials, not elsewhere specified, excluding synthetic resins	35 ..	298 6	11	10	27	..	(b)
Paste fillers	-	1	..				
Paint removers and strippers	4 ..	20 20	5	..	49	..	34(b)
Dehydrated castor oil	4	182	..				
Litho, letterpress and other printers' varnishes		Th. galls.					
	196	251	19	-	-	-	-
Total		3,597			617		469

(a) Not recorded separately.

(b) Described as "Other principal products".

(c) Excluding esterified natural resins and zinc resins.

Sales (or production) in the trade of other than principal products

Larger establishments

TABLE 10

	1948 Sales		1937 Production		1935 Production	
	Quantity		Value		Quantity	
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Boiled or refined linseed oil	23	179	122	207	126	181
White lead, basic carbonate, dry	59	307	197	309	162	202
Chemical colours	..	693	91	273	95	309
Miscellaneous chemical products	..	1,573	..	141	..	137
Synthetic resins	114	915	-	-	-	-
Lubricating oils and greases	..	349	83	93	77	88
Polishes	..	176	..	92	..	77
Artists' materials, etc.	..	316	..	36	..	32
Other goods	..	1,204	..	168	..	181
Work done		167(a)		-		-
Total		5,879		1,319		1,207

(a) Amount charged.

The larger establishments in this trade recorded the following ancillary output (not for sale) in 1948:-

White lead, basic carbonate, dry	Th. cwts.	202
Linseed oil		
Refined		21
Boiled		44

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	794	1.0
Export sales organisations (including branches abroad)	318	0.4
Other wholesale or selling organisations	3,058	3.9
Retail shops, etc.	1,316	1.7
Total sales (or transfers) to other organisations under the same control	5,486	6.9
Sales to independent buyers		
Exports invoiced directly overseas	4,644	5.9
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	2,928	3.7
His Majesty's Government and Local Authorities (other than productive establishments)	5,357	6.8
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	35,868	45.2
Wholesalers, merchants and other agents for resale	14,236(a)	17.9
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	7,791	9.8
Other businesses (including farmers) and institutions of all kinds	2,524	3.2
Members of the public, including employees	515	0.6
Total sales to independent buyers	73,862	93.1
Total	79,348	100.0

(a) Of this total £8,919,000 was recorded as divided between £774,000 for export and £8,145,000 for other sales.

Production, exports and imports of certain principal products (a)

TABLE 12

	Production (b)(c)	Exports (d)	Retained imports (e)
	Th. cwts.	Th. cwts.	Th. cwts.
Paints, pigments and extenders in paste form, whether with oil or other medium			
White lead, genuine	{ 1948 286 1937 452	15 55	- 25
Red lead, orange lead and zinc oxide, genuine	1948 83	39	-
	£'000	£'000	£'000
Other paste paints, including artists' oil paints and colours	1948 1,888	555	34
	Th. cwts.	Th. cwts.	Th. cwts.
Dry Distempers	1948 268(f)	40	-
Paints and painters' enamels, ready-mixed, including those containing synthetic resin	£'000	£'000	£'000
Cellulose, pigmented	{ 1948 3,603 1937 1,044	212 58	1 -
White lead paint, genuine	1948 1,932	34	-
Red lead and zinc oxide paints, genuine	1948 2,116	199	-
Other ready-mixed paints, including metallic and preservative paints, not elsewhere specified	1948 39,644	4,878	36
Total paints and painters' enamels ready-mixed (other than cellulose, pigmented)	{ 1948 44,019(g) 1937 10,310	5,111 1,451	36 75
	Th. cwts.	Th. cwts.	Th. cwts.
Ships' bottom compositions (anti-corrosive and anti-fouling)	{ 1948 177 1937 185	61 44	1 -
	£'000	£'000	£'000
Bituminous paints and bituminous solutions and emulsions for use as paint	1948 1,031	225	-
Varnishes and lacquers, not pigmented	Th. galls.	Th. galls.	Th. galls.
Cellulose ester and cellulose ether varnishes, lacquers and clear solutions	{ 1948 2,156 1937 2,040	95 70	2 2

TABLE 12 (contd.)

	Production (b) (c)	Exports (d)	Retained imports (e)
	£'000	£'000	£'000
Varnishes and lacquers, not pigmented (contd.)			
Other sorts			
Oil varnish containing both resin and drying oils, but excluding preparations containing pigments	1948 5,217	399	4
Other varnishes and lacquers, including japans and varnish stains, manufactured liquid driers, and litho-varnish and stand oil	1948 2,815	227	19
Total other sorts	{ 1948 8,032 1937 3,221(h)	626	23
		321	35
	Th. cwts.	Th. cwts.	Th. cwts.
Wood preservatives (other than those containing oils of coal tar) and stains (other than varnish stains)	1948 82(f)	31	-
Putty and paste fillers (i)	{ 1948 595(f) 1937 588	31	-
		34	1

(a) Figures of sales (or production) refer only to larger establishments in the relevant years. All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

(b) Sales in 1948 and production for sale in 1937.

(c) Including sales (or production) by establishments classified to other trades.

(d) Valued f.o.b.

(e) Valued c.i.f.

(f) Partly estimated.

(g) Including unclassified sales.

(h) Excluding liquid driers.

(i) The figures for 1937 relate to putty only.

Purchased materials and fuel

Larger establishments

TABLE 13

	1948		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials						
Pigments (white, black and coloured), dry						
White lead (basic carbonate)	161	887	243	445	251	372
Zinc oxide (including leaded zinc oxide)	490	1,745	347	392	326	288
Lithopone	665	1,154	649	491	520	400
Lead oxides (including red lead, orange lead and litharge)	135	731				
Earth colours (including ochres, siennas, umbers and red oxides of iron, but excluding blacks)	243	354				
Black, mineral and carbon (including vegetable, lamp, acetylene and bone black)	33	122				
Synthetic organic pigments (colour lakes and toners) pure and reduced	49	775				
Chromium compounds (including lead and zinc greens)	82	771				
Iron oxides, chemically manufactured	58	163	1,874	1,253	1,645	1,055
Titanium dioxide, pure and reduced (in terms of 98 per cent. Ti O ₂)	198	877				
Antimony oxide	40	336				
Metallic powders	19	168				
Other sorts	65	325				
Extenders, dry						
Barytes	431	265				
China clay	140	74				
Whiting (including Paris white)	1,473	348				
Other sorts	316	208				

TABLE 13 (contd.)

	1948		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials (contd.)						
Paints, pigments and extenders in paste form, whether with oil or other medium:-						
White lead, genuine	135	797	188	340(a)	209	294(a)
Other paste paints	22	150	..	(b)	..	(b)
	Th. galls.					
Solvents						
Turpentine	740	90	104	197	100	223
Petroleum solvents	18,700	1,763	731	601(c)	614	510(c)
Coal tar solvents	7,917	1,190				
Industrial methylated spirits	2,244	511				
Other alcohols, esters and ketones for use as solvents	2,957	1,618	..	(b)	..	(b)
Other solvents	1,016	339				
	Th. cwts.					
Resins, asphaltum, etc.						
Rosin (colophony)	203	611				
Other natural resins and gums (including shellac, seedlac and sticklac)	259	1,894				
Esterified natural resins and zinc resinates	85	542	466	736(d)	376	591(d)
Synthetic resins (including solutions in terms of resin content, but excluding esterified natural resins and zinc resinates)	243	2,255				
Asphaltum, bitumen and pitch	274	174	..	(b)	..	(b)
Tin containers	..	3,182	..	1,468	..	(b)
Other packing materials	..	1,956				
Vegetable oils						
Linseed oil						
Raw	282	2,586				
Refined or boiled	623	6,454	1,081	1,603	948	1,124

TABLE 13 (contd.)

	1948		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials (contd.)						
Vegetable oils (contd.)						
Tung oil	172	1,750				
Castor oil						
Dehydrated	53	589				
Other	35	331				
Other vegetable oils	198	2,274				
Plasticisers (other than vegetable oils)	32	294	..	3,996	..	4,645(e)
Lead, metallic	272	1,251				
Collodion cotton (nitro-cellulose), wet	57	634				
Celluloid scrap (including film scrap)	2	17				
All other purchased materials	..	5,834				
Unclassified materials	..	92	..	174	..	113
	Th. tons		Th. tons		Th. tons	
Fuel and electricity						
Coal	36.6	113	60.4	76	59.0	62
Coke	17.2	64	..	(b)	17.6	25
	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
Electricity purchased (f)						
From public supply	43,722	244				
From other sources	366	2				
Electricity obtained from other works under the same ownership	-	-				
	Th. galls.				Th. galls.	
Motor spirit (petrol) and derv. fuel						
Used for road vehicles	909	89				
Used for other power purposes	265	12	..	(b)	..	(b)

TABLE 13 (contd.)

	1948		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. galls.	£'000		£'000	Th. galls.	£'000
Fuel and electricity (contd.)						
Other oil fuel (including creosote/pitch mixtures)	2,522	101	..	(b)	854	14(g)
Gas purchased						
From public supply	1,862	79	}	111	..	(b)
From other sources	-	1				
Gas obtained from other works under the same ownership	-	-				
All other purchased fuel	..	7				
Total		49,197		11,997		9,818

(a) Described as "White lead in paste or pulp".

(b) Not recorded separately.

(c) Described as "Turpentine substitutes".

(d) Described as "Copals and other resins".

(e) Including fuel not specified separately.

(f) The total quantity of electricity consumed in 1948 was 45,644,000 B. T. units including 1,557,000, generated in the same works.

(g) Described as "Heavy fuel oil".

Stocks of finished products and work in progress and stocks of materials and fuel, 1948

Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000
Finished products				
Paints, pigments and extenders in paste form	84	267	98	295
Paints and painters' enamels, ready-mixed	..	2,172	..	2,985
Varnish and lacquer, not pigmented	1,822	1,012	2,272	1,303
Other finished products	..	751	..	865
Work in progress		894		967
Unclassified		1,543		1,710
Total finished products and work in progress		6,640		8,126
Materials and fuel	Th. cwts.		Th. cwts.	
Pigments and extenders, dry	773	1,991	620	1,961
Linseed oil	83	632	89	587
Solvents	1,548	475	1,450	466
Other descriptions of materials and fuel	..	362	..	376
Total materials and fuel	..	133	..	146
	Th. galls.		Th. galls.	
Solvents	..	75	..	95
Other descriptions of materials and fuel	..	5,006	..	4,978
Total materials and fuel		8,674		8,608

Employment and remuneration (a)

Larger establishments

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948	1937	1935	1948	1937	1935	1948	1937	1935
Males									
Under 18	591	1,157	909	465	442	385	1,056	1,599	1,294
All ages	15,371	11,805	10,826	8,575	6,764	6,426	23,946	18,569	17,252
Females									
Under 18	422	862	733	785	545	353	1,207	1,407	1,086
All ages	4,657	2,592	2,524	4,288	2,773	2,412	8,945	5,365	4,936
Total									
Under 18	1,013	2,019	1,642	1,250	987	738	2,263	3,006	2,380
All ages	20,028	14,397	13,350	12,863(c)	9,537	8,838	32,891 (c) (d) (e)	23,934	22,188
Total remuneration	£'000	..	..	£'000	..	..	£'000	..	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers 12 males 411 females
Other workers 437 males 171 females

(b) Number at September 25, 1948, October 16, 1937, and October 12, 1935.

(c) There were, in addition, 32 male working proprietors in 1948. Working proprietors are included in the 1937 and 1935 figures.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £261,000.

(e) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	266	
Maintenance and repair of firms' buildings, but not plant	109	
Research work not directly connected with current production however charged	136	130

In addition to the employees in the above table the firms in this trade employed 11 male and 120 female outworkers in 1948, the amount paid to them being £12,000. Similar information is not available for 1937 and 1935.

Wages and salaries paid, 1948 (a)

Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the calendar year							
		Amount paid	Percentage of annual remuneration paid in						
			First quarter	Second quarter	Third quarter	Fourth quarter	Year		
Wages and salaries of Operatives	£'000	£'000							
	5,582	3,489	23.5	24.8	25.4	26.3	100.0		
Administrative, technical and clerical employees	6,540	3,753	23.7	23.9	24.2	28.1	100.0		
Total	12,122	7,242	23.6	24.3	24.8	27.2	100.0		

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948

Larger establishments in Great Britain

The total amount paid for work done on materials given out was £38,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	157
Of plant, machinery and vehicles	309
Unclassified	361
Hire of plant, machinery and vehicles	57
Advertising and market research	
Advertising in newspapers, magazines and periodicals	130
Other advertising services (poster display, despatch of circulars, etc.) and market research	100
Unclassified	354
Payments made for research work	
To research associations	23
To universities, institutions, academic bodies and similar agencies	4
To other commercial concerns	14
Postage, telephone, telegrams and cables	223
Commercial insurance premiums	319
Rates (excluding water rates) payable in the year	92

Plant, machinery and vehicles acquired and disposed of, 1948
Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	1,357	19	47
Vehicles	244	72	59
Total	1,601	91	106

Capital expenditure on building work and changes in
occupation of buildings and land, 1948

Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		818
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	176	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	215	
(111) Leasehold buildings and land newly occupied in the year	241	
Total of heading 2		632
Total of headings 1 and 2		1,450
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	20	
(11) Estimated value of other properties relinquished	17	
Total of heading 3		37
4. Headings 1 and 2 less heading 3		1,413

- (a) Excluding site value which, where appropriate, is included in heading 2(1).
 (b) The figures do not reflect changes in ownership of previously occupied land and buildings.
 (c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.
 (d) Including property destroyed or abandoned.

1948

Summary

Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	74,934	548	4,595	80,078
Cost of materials and fuel used	45,813	351	3,099	49,263
Payment for work done on materials given out	37	-	1	38
Net output	29,083	198	1,496	30,777
Wages and salaries of persons employed	11,402	88	633	12,122
Average number of persons employed (a)	No. 30,918	No. 215	No. 1,790	No. 32,923
Net output per person employed (a)	£ 941	£ 919	£ 836	£ 935
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	7,711	44	371	8,126
Materials and fuel	7,981	76	551	8,608
Number of establishments	No. 328	No. 8	No. 27	No. 363

(a) Excluding outworkers.

The values of gross output and of materials and fuel used are derived in the following way:-

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (see Table 23)	74,594	546	4,604	79,744
Adjustment for changes in stocks and work in progress	+ 1,418	+ 6	+ 62	+ 1,486
Less payment for transport by other firms	76,012	552	4,666	81,230
Gross output (production)	1,078	3	71	1,152
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	45,844	343	3,010	49,197
Adjustment for changes in stocks	- 30	+ 8	+ 89	+ 66
Materials and fuel used	45,813	351	3,099	49,263

Summary

Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	226	4	14	244
Average number of persons employed (a)				
Males	1,020	25	71	1,116
Females	214	-	16	230
Total	1,234	25	87	1,346

(a) Including working proprietors.

Sales in the trade

Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products						
Paints, pigments and extenders in paste form, whether with oil or other medium						
White lead, genuine	127	791	19	119	146	910
Red lead and orange lead, genuine	7	47	1	7	8	54
Zinc oxide, genuine	61	373	9	52	70	425
Other paste paints, except artists'	229	1,129	58	276	286	1,405
Distempers and water paints						
Dry distempers	225	623	6	21	231	645
Other, including distempers in paste form	1,814	4,946	64	207	1,878	5,153
	Th. cwts.	Th. galls.	Th. cwts.	Th. galls.	Th. cwts.	Th. galls.
Paints and painters' enamels, ready-mixed, including those containing synthetic resin						
Cellulose pigmented	..	..	(a)	..	(a)	..
White lead paint, genuine	140	360	5	21	145	381
Red lead paint, genuine	99	166	11	32	110	199
Zinc oxide paint, genuine	43	304	..	4	44	308
Metallic paint	31	549	..	26	31	575
Other ready-mixed paints, including preservative paints, not elsewhere specified	..	..	..	..	..	..
Based on synthetic resin	332	5,040	21	314	352	5,355
Other	17	117	..	..	17	117
Unclassified	..	..	..	..	..	..
Ships' bottom compositions (anti-corrosive and anti-fouling)	168	..	8	..	176	..
Bituminous paints and bituminous solutions and emulsions for use as paint	..	..	..	..	..	..

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. galls.	£'000	Th. galls.	£'000	Th. galls.	£'000
Principal products (contd.)						
Varnishes and lacquers, not pigmented						
Cellulose ester and cellulose ether varnishes, lacquers, and clear solutions	2,116	1,673	9	9	2,125	1,682
Oil varnish containing both resin and drying oils, but excluding preparations containing pigments						
Based on synthetic resin	1,270	1,189	84	91	1,354	1,280
Other	4,214	3,803	149	128	4,363	3,931
Other varnishes and lacquers, including japans and varnish stains						
Based on synthetic resin	256	246	6	5	262	251
Other	2,081	1,407	91	86	2,172	1,494
Manufactured thinners (solvent mixtures for use with paints, varnishes and lacquers) and turpentine substitute	4,661	2,205	136	48	4,797	2,253
Manufactured liquid driers	328	308	23	17	352	325
	Th. cwts.		Th. cwts.		Th. cwts.	
Wood preservatives (other than those containing oils of coal tar) and stains (other than varnish stains)	29	81	-	-	29	82
	..	51			..	51
Putty	402	989	60	149	463	1,137
Litho-varnish and stand oil	..	(a)	..	(a)	33	469
Artists' paints and colours						
Oil	..	195	-	-	..	195
Water paints and colours, and other artists' materials	1	83	-	-	1	83
	..	295			..	295
Fitted boxes						
Water colours and oil colours	..	287	-	-	..	287
Waterproofing compounds, roofing compositions and similar protective products, not elsewhere specified	..	(a)	..	(a)	66	106
					..	119
Paint and varnish makers' materials, not elsewhere specified						
Gum copal, processed	..	(a)	..	(a)	136	920
Other (excluding synthetic resins)	..	(a)	..	(a)	37	230
					..	77

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products (contd.)						
Paste fillers	33	211	5	15	38	226
	..	47			..	47
Paint removers and strippers	143	253	11	17	154	270
	..	106	..	4	..	110
					Th. galls.	
French polish	..	(a)	..	(a)	17	13
					..	16
					Th. cwts.	
Dehydrated castor oil	..	(a)	..	(a)	8	95
Waste products	..	(a)	..	(a)	..	10
Work done for the trade or on commission		(a)		(a)		229
Total principal products		69,813		4,053		73,865
Other output						
Boiled or refined linseed oil	18	128	4	51	23	179
White lead, basic carbonate, dry	53	277	5	30	59	307
Chemical colours	..	568	..	125	..	693
Miscellaneous chemical products	..	1,426	..	147	..	1,573
Synthetic resins	..	(a)	..	(a)	114	915
Lubricating oils and greases	..	233	..	116	..	349
Polishes	..	148	..	28	..	176
Artists' materials	..	316	-	-	..	316
Other goods	..	1,158	..	46	..	1,204
Work done (b)		167		-		167
Total		75,140		4,604		79,744

(a) Owing to the risk of disclosure of information relating to individual firms separate figures cannot be given.

(b) Amount charged.

Purchased materials and fuel

Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials						
Pigments (white, black and coloured), dry						
White lead (basic carbonate)	139	765	22	122	161	887
Zinc oxide (including leaded zinc oxide)	446	1,586	44	159	490	1,745
Lithopone	622	1,077	43	76	665	1,154
Lead oxides (including red lead, orange lead and litharge)	116	632	19	99	135	731
Earth colours (including ochres, siennas, umbers and red oxides of iron, but excluding blacks)	223	332	21	22	243	354
Black, mineral and carbon (including vegetable, lamp, acetylene and bone black)	31	116	2	6	33	122
Synthetic organic pigments (colour lakes and toners) pure and reduced	47	738	2	37	49	775
Chromium compounds (including lead and zinc greens)	79	735	4	37	82	771
Iron oxides, chemically manufactured	53	151	5	12	58	163
Titanium dioxide, pure and reduced (in terms of 98 per cent. TiO ₂)	186	812	12	65	198	877
Antimony oxide	38	321	2	14	40	336
Metallic powders	19	159	1	9	19	168
Other sorts	63	313	2	12	65	325
Extenders, dry						
Barytes	359	220	73	44	431	265
China clay	136	72	4	2	140	74
Whiting (including Paris white)	1,372	320	101	27	1,473	348
Other sorts	305	196	11	12	316	208

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials (contd.)						
Paints, pigments and extenders in paste form, whether with oil or other medium						
White lead, genuine	127	739	8	58	135	797
Other paste paints	..	(a)	..	(a)	22	150
Solvents	Th. galls.		Th. galls.		Th. galls.	
Turpentine	..	(a)	..	(a)	740	90
Petroleum solvents	17,654	1,662	1,046	101	18,700	1,763
Coal tar solvents	7,764	1,170	133	19	7,917	1,190
Industrial methylated spirits	2,122	483	122	28	2,244	511
Other alcohols, esters and ketones for use as solvents	2,910	1,595	47	23	2,957	1,618
Other solvents	941	326	75	12	1,016	339
Resins, asphaltum, etc.	Th. cwts.		Th. cwts.		Th. cwts.	
Rosin (colophony)	187	564	16	47	203	611
Other natural resins and gums (including shellac, seedlac and sticklac)	247	1,775	13	119	259	1,894
Esterified natural resins and zinc resinates	83	530	2	13	85	542
Synthetic resins (including solution in terms of resin content, but excluding esterified natural resins and zinc resinates)	238	2,204	5	51	243	2,255
Asphaltum, bitumen and pitch	268	169	6	5	274	174
Tin containers	..	3,038	..	145	..	3,182
Other packing materials	..	1,908	..	48	..	1,956
Vegetable oils						
Linseed oil						
Raw	243	2,209	39	377	282	2,586
Refined or boiled	588	6,086	36	369	623	6,454

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials (contd.)						
Vegetable oils (contd.)						
Tung oil	167	1,697	5	53	172	1,750
Castor oil						
Dehydrated	51	562	2	27	53	589
Other	32	302	3	29	35	331
Other vegetable oils	186	2,145	12	129	198	2,274
Plasticisers (other than vegetable oils)	29	272	3	23	32	294
Lead, metallic	..	(a)	..	(a)	272	1,251
Collodion cotton (nitro-cellulose), wet	..	(a)	..	(a)	57	634
Celluloid scrap (including film scrap)	..	(a)	..	(a)	2	17
All other purchased materials	..	5,398	..	435	..	5,834
Unclassified materials	..	92	..	-	..	92
	Th. tons		Th. tons		Th. tons	
Fuel and electricity						
Coal	31.2	99	5.4	14	36.6	113
Coke	16.9	63	0.4	2	17.2	64
	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
Electricity purchased (b)						
From public supply	41,114	232	2,608	13	43,722	244
From other sources	366	2	-	-	366	2
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
	Th. galls.		Th. galls.		Th. galls.	
Motor spirit (petrol) and derv. fuel						
Used for road vehicles	868	85	40	4	909	89
Used for other power purposes	..	(a)	..	(a)	265	12

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. therms	£'000	Th. therms	£'000	Th. galls.	£'000
Fuel and electricity (contd.)						
Other oil fuel (including creosote/pitch mixtures)	..	(a)	..	(a)	2,522	101
Gas purchased						
From public supply	1,758	77	104	3	1,862	79
From other sources	-	1	-	-	-	1
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	7	-	-	..	7
Total		46,187		3,010		49,197

(a) Owing to the risk of disclosure of information relating to individual firms separate figures cannot be given.

(b) The total quantity of electricity consumed in England and Wales was 43,036,000 B.T. units including 1,557,000 generated in the same works. The total quantity of electricity consumed in Scotland was 2,608,000 B.T. units.

Employment and remuneration

Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total
Males									
Under 18	567	442	1,009	24	23	47	591	465	1,056
All ages	14,523	8,117	22,640	848	458	1,306	15,371	8,575	23,946
Females									
Under 18	411	750	1,161	11	35	46	422	785	1,207
All ages	4,396	4,066	8,462	261	222	483	4,657	4,288	8,945
Total									
Under 18	978	1,192	2,170	35	58	93	1,013	1,250	2,263
All ages	18,919	12,183(b)	31,102 (b) (c)	1,109	680 (b)	1,789 (b) (c)	20,028	12,863(b)	32,891 (b) (c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	5,291	6,199	11,490	291	341	633	5,582	6,540	12,122

(a) Number at September 25, 1948.

(b) There were in addition, 32 male working proprietors in Great Britain; 31 males in England and Wales, and 1 male in Scotland.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £261,000; £247,000 for England and Wales, and £14,000 for Scotland.

In addition to the employees in the above table the firms in England and Wales in this trade employed 11 male and 120 female outworkers, the amount paid to them being £12,000.

Monthly index of employment of operatives: Larger establishments
(average employment in 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1948				1948			
January	97.9	98.4	97.9	August	101.2	102.1	101.3
February	98.4	98.8	98.4	September	101.4	101.5	101.4
March	98.6	100.4	98.7	October	101.0	101.0	101.0
April	100.3	102.2	100.4	November	100.2	99.7	100.1
May	99.9	102.4	100.1	December	98.4	97.9	98.4
June	100.9	100.9	100.9	Percentage employment in this trade covered by the index			
July	101.7	95.3	101.3		62.5	60.8	62.4

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the calendar year 1948.

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