

FINAL REPORT on the CENSUS OF PRODUCTION FOR 1948

Volume 4

Trade H

Printing and Bookbinding Machinery

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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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

	List of Tables	
Table No.	Title	Page.
1	Summary: Larger establishments	4/H/2
2	Summary, 1948: Small firms in Great Britain	4/H/3
3	Estimated average employment, 1948: All firms in Great Britain	4/H/3
4	Analysis by size, 1948: Larger establishments in Great Britain	4/H/3
5	Analysis by standard region, 1948: Larger establishments in Great Britain	4/H/4
6	Analysis according to specialisation within the trade, 1948: Larger establishments in Great Britain	4/H/4
7	Total make of intermediate products: Larger establishments	*
8	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	4/H/5
9	Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments	4/H/7
10	Sales (or production) in the trade of other than principal products: Larger establishments	4/H/8
11	Analysis of sales, 1948: Larger establishments in Great Britain	4/H/8
12	Production, exports and imports of certain principal products: Larger establishments	4/H/9
13	Purchased materials and fuel: Larger establishments	4/H/10
14	Stocks of finished products and work in progress and stocks of materials and fuel, 1948: Larger establishments in Great Britain	4/H/13
15	Employment and remuneration: Larger establishments	4/H/14
16	Wages and salaries paid, 1948: Larger establishments in Great Britain	4/H/15
17	Payments for work done on materials given out, 1948: Larger establishments in Great Britain	4/H/15
18	Payments for certain services, 1948: Larger establishments in Great Britain	4/H/15
19	Plant, machinery and vehicles acquired and disposed of, 1948: Larger establishments in Great Britain	4/H/16
20	Capital expenditure on building work and changes in occupation of buildings and land, 1948: Larger establishments in Great Britain	4/H/16

Country Tables Table No. Title Page 21 Summary: Larger establishments 4/H/17 22 Summary: Small firms 4/H/18 23 or 23(1) Sales in the trade: Larger establishments 4/H/19 23(11) Sales in the trade: Small firms 24 or 24(1) Purchased materials and fuel: Larger establishments 4/H/21 24(11) Purchased materials and fuel: Small firms 25 or 25(1) Employment and remuneration: Larger establishments 4/H/24 25(11) Employment: Small firms 26 Monthly index of employment of operatives: Larger establishments 4/H/24 * Not applicable to this trade

PRINTING AND BOOKBINDING MACHINERY

PRINTING AND BOOKBINDING MACHINERY TRADE

THIS REPORT on the Printing and Bookbinding Machinery Trade relates to establishments engaged wholly or mainly in the manufacture of typesetting machinery, printing presses, ruling machines, wire stitching machinery, and cardboard box, paper bag and envelope making machinery.

This trade corresponds to minimum list heading 69(8) in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded in 1948; no production was recorded there in this trade for 1946, 1937 or 1935.



DS 7956/1

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ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS PRINTING AND BOOKBINDING MACHINERY TRADE

Summary

Larger establishments

TABLE I

	7			
	1948	1946	1937	1935
	£'000	٤١٥٥٥	£1000	£'000
Gross output (production)	12,641	7,556	4,340	3, 502
Cost of materials and fuel used	3,562	2,169	1,037	829
Payment for work done on materials given out	477	89	15	19
Net output	8,602	5,298	3,288	2,654
Wages and salaries of persons employed	5,089	3, 420		••
Average number of persons employed	No. 15,007(a)	No. 11,466	NO. 11,092	No. 10,150
Net output per person employed	£ 573	£ 462	£ 296	£ 262
Stocks at end of year	000 ع	£'000	£'000	£'000
Finished products and work in progress	4,572	2,953	••	
Materials and fuel	931	517	••	••
Number of establishments	No. 104	NO.	No.	No. 77

(a) 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	1946	1937	1935
and the second	£1000	£1000	£'000	£'000
Output of firms in this trade	*	in the second		
Total value of sales (1948 and 1946) or production (1937 and 1935)				4
Principal products (see Table 8)	11,561		3,927	3,355
Other output (see Table 10)	523	6,971 <	177	129
Adjustment for changes in stocks and work in progress	+ 622(a)	+ 585	+ 236(d)	+ 18(b)
Less payment for transport by other firms	12,706 65	7,556	4 , 340	- 3, 502
Gross output (production)	12,641	7,556	4,340	3,502
Materials and fuel used by firms in this trade				
Purchases (see Table 13) Adjustment for changes in stocks	3,728 - 166(a)	2,357 - 188	1,037	829
Materials and fuel used	3,562	2,169	1,037	829
(a) See Table 14.		<u> </u>		

(b) Work in progress only.

DS 7956/1

TABLE 2

	transmint .
41	
246	in the second
22	
268	-
	22

(a) Including working proprietors.

TABLE 3

As returned by fin Employing on ave Employing on ave

Estimated average making satisfacto

Estimated average

TADIE

(a) See Tables 1 and 15.(b) See Table 2.

Analysis by size, 1948 Larger establishments in Great Britain

Average	Establish-	ablish- Gross Ne	Net Persons	and the second second second	Remuneration		Net output	
number employed	ments	output			Wages	Salaries	Total	per person employed
	No.	£'000	£1000	NO.	£1000	٤'000	£'000	£
11-24	16	288	188	297	75	23	98	633
25-49	31	1,063	678	1, 118	296	99	395	606
50-99	22	1,460	894	1, 535	376	149	525	582
100-199	18	2,249	1,572	2,729	709	240	948	576
200-299	6	1, 173	858	1,412	349	132	480	608
300-399	5	1,604	996	1, 777	484	164	648	560
500-749	3	1, 535	9 35	1,808	453	181	634	517
750 and over	3	3,270	2,483	4, 331	962	398	1,360	573
Total	104	12,641	8,602	15,007	3,704	1,386	5,089	573

4/H/2

PRINTING AND BOOKBINDING MACHINERY

Summary, 1948

Small firms in Great Britain

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Estimated average employment, 1948
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All firms in Great Britain
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rms	4.836
erage more than ten persons (a)	15,007
erage ten persons or less (b)	268
	15, 275
employment in firms not ory returns	20
employment in all firms	15, 295

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

	Establish-	Gross	Net	output	Persons	ikano neo	Remuneration	
Region	ments	output	Value	Percentage of total	employed	Wages	Salaries	Total
	No.	000ء	£'000		No.	£1000	£1000	£'000
England	,	389				<i>a</i>		
East and West Ridings of Yorkshire	13	2, 269	1,386	16.1	2,781	653	232	885
			1. Linger	ation alles	eve Beten	1 ton 1		
North Midland	7	432	294	3.4	483	108	51	159
Eastern	7	650	443	5•2	795	219	56	275
London and South Eastern	47	4,536	3,069	35,7	5,147	1, 324	493	1,817
Southern; and South Western	6	1, 046	700	8.1	1,009	248	11 5	362
Midland	4	224	134	1.6	217	60	22	82
North Western	17	3,035	2,260	26.3	3,943	941	363	1,304
Total	3			Li Liz al li	moland se	Advis 2012	diars (1)- (1)	
England	101	12, 192	8,286	96,3	14,375	3,552	1,332	4,884
Wales	-	-	_	_	_	1997, 998 -	-	-
Scotland	3	449	317	3.7	632	152	54	205
Great Britain	104	12,641	8,602	100.0	15,007	3,704	1, 386	5,089

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.

Kind of output	8.1	(janet)	194 Sa	48 les		1937 Product:	lon	193: Produc	
(1) Complete machines(11) Replacement parts		Quan		Value	Entries	Quantity	Value	Quantity	Value
		No.	Tons	£'000	No.	Tons	£'000	Tons	£'000
The setting (including	(1)		74	716	5		a. 000	10115	a 000
Typesetting (including keyboard and type	1	••	••		9				
casting)	(11)		••	207	7		7	603	302
Stereotyping and	f (1) {		535	254 32	} 11	(1) 783	360 {		29
electrotyping	(11)			26	6	(11)	151	kod bused	133
Photo-engraving	(1)		82	42 238	} 7				
	(11)			3	••				1:10
Printing	. (11)	01a	44			(03)			
	fin (4	920	307	1	1 140	567	7 500	150
Newspaper rotary			1,300	290 232	5	4, 112	567	3, 599	456
	(11)			152	14	(11)	68	••	. 51
	for 1	233	718	593	1	h			
Other reel-fed machines	(i) {	11		72 14	22		(a)	h	10
ond regrated machines	(11)			101	18			1	000
Sheet-fed machines		enci i	in the second						
	([19	277	45	1	× (1)			La anti
Photogravure	(1)	713	162	117 25	7	455	65	nachinery	. 12.91
THOUGH GVUIC	(11)	••		46	7		2		
	· [790	1,576	648	1		ustenu	(1) 4, 138	640
Letterpress	(1)	436	100	20 1 36	j 21	. 20	ald, pt	(11)	68
Detterpress	(11)	•••		136	21		-		
	· (432	3,556	1, 223	1) (6) 90	Te WOLK	and Joseph ding roll	lingla
Litho and litho-offset	(1)	405	••	322 391	11	of ² dn ²	e Brede	a. 181 eno	1 3489
BIONO ANA IICNO-OIISet	(11)			242	11	(1) 4,006	715		- Security
	, (954	420	264	7	(11)	56		130%
	(1)	289	141	181 73	32	ton) Table 9)	produce as (see	sales of	1.28-1
Other sheet-fed machine	(11)			60	32	the of this	ubong .	setonina l	- TOE
3.027	(1)	80	455	251	13	establic	made bl	de sold or ta in the	1911
Other printing machinery	(11)			247	19				
are one for the trace or	((1))			864	12	tely.	. 747	ot recorde	541
Typesetting, etc., and printing machinery,	K	080	tion an ind	THE DEV	Dugt rece		v effe	Tello Chien	
unclassified	(11)			438	15		236		172
	• •	I	1	1	I and the set	1	1	1	1

4/H/4

DS 7956/1

PRINTING AND BOOKBINDING MACHINERY

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 (contd.)

4/H/6

Kind of output	PESHI		948	trandal	1937		1935		
(1) Complete machin	0.5			les	CREEK WAA	Producti	on	Produc	
(ii) Replacement par		Quan	tity	Value	Entries	Quantity	Value	Quantity	Value
		No.	Tons	£'000	No.	Tons	£'000	Tons	£1000
Bookbinding, including blocking, embossing, stitching, ruling and	(1) {	2,338 1,234 ••	873 185	500 95 79	45	1,282	210	1,425	184
cutting, folding, etc.	(11)	••	0001	142	34	••	19	••	16
Paper-working, etc. machines			716			(2)	uding.	ont) gald	resourt
Bag and envelope	(1)	290	548 22	519 7	15	233	77	222	58
making	(11)	••	••	114	15	. (1))	15	bna sidaa	14
Cardboard box and	{ (i) {	1,600	728 83	466 47	23	795	163	853	153
carton making	(11)			128	24	(1))	71		66
Guillotines		491	1,192 58	306 12	} 16	(12)	.50	212122307	
	(11)		••	44	19		4.95	1.1.820	Princip
Coating machines	∫ (1) {	40 465	92 • •	55 20 49	} 11	(1)1,926	447	1,839	444
coatting machines	(11)	• ••		4	7	(11)	77	••	71
	(1)	1,656 251	903	393 111	45		308	1,504	
Other	$\{$		312	105 163		(12) (6	marine	reel-fad	redito
	(11)	••	••	177	50		1,882	1000 0. 180	nanyiR
Reconditioned printing,	. (1)	77	82 294	33 52 125	12	}	-	-	_
etc. machinery (b)	(11)	•••		17	••		84.	CORTENUTS 603	2013
Printers' accessories (e wood and metal furnitur	•g•, e) (b)			775	24	••	180		136
Waste products sold, oth	er	4.903	1 109 10	1000	43900.1	6, 5(4)	16.965	5,080	
than scrap metals		18		2	8	(11)	(a)		(a)
Repair and jobbing work, including roller coveri	ng (c) (d)		1.285	446	58	(11 5		150
Work done for the trade commission (c)	or on	secora	1980	157	13	enin these	4	if the of	113 18
Total		er östi	A Take	14,231	hvat ar	C. B. C. Start &	4,345		3,702
Less sales (or product in other trades (see		0.158810	2008 1118110 73	2,670	404 9189815 4••	and (1) and Inest	418	-deada Ta	347
Total principal produc trade sold or made by ments in the trade			80 251	11,561	98	(11) (i)	3,927		3,355
					Land and the second second second			Law and the second second	

(a) (b) (c) (d)

Not recorded separately. So far as recorded separately. Amount charged in 1948 and amount received in 1937 and 1935. Exclusive of the value of goods made and recorded as output.

TABLE 9 Kind of output (i) Complete machines(ii) Replacement parts Printing No $\begin{cases} (1) \\ (11) \end{cases}$ Newspaper rotary (1) Other reel-fed machines . (11) Sheet-fed machines (1) Letterpress (11) (1) All other sheet-fed machines (11) Typesetting, stereotyping and (1) electrotyping, and photo-(1) engraving machines, and (1) (11) other printing machinery Typesetting, etc., and printing machinery, unclassified (1) (11) Bookbinding, including blocking, embossing, stitching, ruling and cutting, folding, etc. (1) (11) Paper-working, etc. machines (i) Bag and envelope making (11) Guillotines (1) and (11) (1) Coating machines (i) All other (11) Reconditioned printing, etc., machinery (i) and (ii) Printers' accessories (e.g., wood and metal furniture) Work done for the trade or on commission Total

(a) Amount charged.

DS 7956/1

PRINTING AND BOOKBINDING MACHINERY

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

						03	ALENT.
+4	19 Sa	48 les		1937 Producti	on	1935 Product	ion
Quan	tity	Value	Entries	Quantity	Value	Quantity	Value
•	Tons	£' 000	No.	Tons	£'000	Tons	£1000
•••		11	{	107 ••	12 4	180, 2 - 0, 773 191 -1 , 195	- 8
27 3	76 ••	51 4 10	8			vice black	
		6	6			obd8 ⁷⁷ *	
.76 86	385	162 51	}	Lubot	ſ		
••	••	32	9	(1)343	47	88	11 29
90 76	2,700 210	759 51 54	}	(11)	7	••	12
•• *	210	109	Í				TABLE
	208	120	h .				
••		1	5				
••	· · · · ·	251	anoi Jaal		y 02 (sr	ol eneral al	
••	••	60	5	••	10	ANCH OVIDS	10
••	•••	26	8	····	70		20
820 115	117 106	90 5 53	25	43	18	90	18
••	t obcur o	20	14	 Masters) -	1	l shops, s	1
•• .	22	. 7	••	22	6	7	1
••	••	8	6	iosnove;cl	1	bo townt of	3
•• .	etite •••	20		entega m	110 02 1	editoyat ed	rogelt
33	30	1 10	}	(1)700		570	134
137 133	663	336 11	1	(1) 380	99 62	539	61
••	172	22 8		(11)	20	acturers.	01
••		124				and, and let	LEORA .
	a e I e I e la	26	Prodes Las			tons_ incl	2009_ 201
abi	IN LEEP Y	167	13	ting famo	81	easentaud	39
		1(a)	••••••	an dere bes			-
		2,670		-	418	inter	347
				1	I	1	1

4/H/8

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

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

Larger establishments

TABLE 10

Production , Production	1948 Sales	1937 Production	1935 Production
erantity Value Quantity Value	Value	Value	Value
Machinery and parts (other than printing, bookbinding, etc.,	£1000	£'000	٤' 000
machines and parts)	281	71	40
Scrap metals sold	21	12	9
Other goods	214	94	80
Work done	7 (a)] 04	00
Total	523	177	129

(a) Amount charged.

Analysis of sales, 1948

Larger establishments in Great Britain

T	٨	R	1	F	1	L
1	м	U	-	-		

	Sales	of total sales
Sales (or transfers) to other organisations under the same control	£'000	in antrong, raite
	(1) (j. han	
Productive works	245	2.1
Export sales organisations (including branches abroad)	678	5.9
Other wholesale or selling organisations	1,344	11.7
Retail shops, etc.	L bas.	TALICI
Total sales (or transfers) to other organisations under the same control	2,267	19.8
Sales to independent buyers	(1)	Realeves bla pas
Exports invoiced directly overseas	2, 321	20.2
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	440	3.8
His Majesty's Government and Local Authorities (other than productive establishments)	101	0.9
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	3, 176	27.7
Wholesalers, merchants and other agents for resale	2,145(a)	18.7
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	11	0.1
Other businesses (including farmers) and institutions of all kinds	1,010	8.8
Members of the public, including employees	4	
Total sales to independent buyers	9,209	80.2
Total	11,476	100.0
 (a) Of this total \$2,064,000 was recorded as divided between \$1,443,000 DS 7956/1) for export and a	622,000 for

PRINTING AND BOOKBINDING MACHINERY

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

Complete machines and parts		Production (b)(c)	Exports (d)	Retained imports (e)
Typesetting	bns c15 fiberfinau	£'000	£'000	£1000
Complete	- 1948	716	547	65
Parts	1948	207	577	82
Stereotyping, electrotyping and photo-engraving	{1948 1937	595 ••	334 72	58 22
rinting	13 8S	1. F-2		it g 19
Newspaper rotary, complete (f)	{1948 1937	82 9 567	564 402	1 32
Other, including parts (f)	1948 1937	5,440 906	3,641 448	460 586
Total of the above	{1948 1937	9,089 (^g) 2,967 (g)	5,663 1,135	666 732
wookbinding, including blocking, embossing, stitching, ruling and cutting, folding, etc.	(1948 1937	816 229	4 41 40	367 137
aper-working, etc, machines		10+4-		itten gastings.
Bag and envelope making	{1948 1937	640 92	278 18	118 43
Cardboard box and carton making	(1948 1937	641 234	198 45	68 53
Other descriptions	(1948 1937	1,439 524	84 51	265 38
Total printing, bookbinding, paper-working, etc. machines and-parts	{1948 1937	12,852 (h) 4,046	6,665 1,289	1,484 1,003

recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable. Sales in 1948 and production for sale in 1937. Including sales (or production) by establishments classified to other trades.

(b)

(c) (d) Valued f.o.b.

Valued c.i.f. (e)

Percentage

(f) For 1937, the oversea trade figures for parts of newspaper rotary machines are included with the

(i) For 1907, the oversea what fighted for particular of the particular of the oversea what fighted for particular of the oversea with the oversea what fighted for particular of the oversea with th

 Purchased materials and fuel. Larger establishments

TABLE 13

4/H/10

Containin (2-1 strongs) (3) (3)	1948		1937	ne. seglas	1935	
00012 00012	Materials fuel pure		Usage	of purchas and fu	sed material uel	S
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials	Th.tons	£1000	Th.tons	£1000	Th.tons	£'000
Iron and steel				an liged of	ping elect co-sparavia	crostede .
Pig iron	2.5	26 2	3.4	17 4	2.8	12
Bars and rods		97. 92.1		edistrianos	.varajor neo	adeview .
Alloy steel	0.6	42	6.1	99	4.1	62
Iron and non-alloy steel	4.1	151	5 0.1	00	101	52
Angles, shapes and sections	0.4	15(a)	0.4	8	0.3	4
Bars and rods, and angles, shapes and sections, unclassified	1.0	36 (a)	6) 680 _	1995-19 an. 1995-19 an.	ing, includ ng, <u>c</u> icked	
Iron castings, in the rough	10.4	672	8.2	185(b)	10.1	216(b)
Forgings, in the rough	1.0	76(a)	1.0	32(b)	0.9	22(b)
Tubes and fittings	0.4	23(a) 26	0.2	8(c) 13	} 0.3	10 (c)
Other descriptions, except finished parts						
Alloy steel	. 0.2	13	3.7	44	0.8	21(d)
Iron and non-alloy steel	1.7	46	5 0.1	44	0.0	≈1(a)
Machined castings	0.3	21	2	(e)	auraq-fina	(e)
Transmission chains		19	· · ·	(6)		(0)
Brass (including all alloys of copper, other than nickel alloys)	Th.cwts.	alas a in 1937 staci izsin	Th.cwts.	notusers ad product	Th.cwts.	100 ·
Rods and sections	2.8	29	2.8	12	1.0.0 1 0.00	
Plates, sheets and strip	4.7	45	3.8	15	1937, tho	
Castings	5.2	58	3.4	19	9.5	37(f)
Other descriptions, except finished parts	0.9	7 2	} 0.9	6	ohinery ic	1960),
Unclassified	1.6	24		2.201-		
				1.1.378		

TABLE 13 (contd.)

Materials (contd.)

Aluminium and aluminium alloys in all forms, except finished parts

Timber (excluding timber used for making into cases, etc., or for repairing returnable cases)

Packing materials

Consumable tools, bought as replacement

Ball and roller bearings

Nuts, bolts, washers, etc. (1)

Purchased components, not elsewhere specified

Replacement parts for firms' machinery, other than machined castings

Second-hand machinery purchased for reconditioning (1)

All other purchased materials

Fuel and electricity

Coal

Coke

Electricity purchased (k)

Electricity obtained from other works under the same ownership

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PRINTING AND BOOKBINDING MACHINERY

			1077	1948	1935			
-	1948		1937					
	Material fuel pur		Usage	of purcha and f	sed materia uel	ls		
	Quantity	Cost	Quantity	Cost	Quantity	Cost		
	Th.cwts.	£1000	Th.cwts.	£1000	Th.cwts.	£1000		
	5.3	72	1.8	14	0.7	6(g)		
		51 108	}	. 29 (h)	for other r oska 11 mal. (11	(e)		
•	•• em	125		38		(e)		
{	2.9	36 39 46		IX .				
		1, 293		oteser ann	a ined from	To selfit astow		
	••	32	}	423	ala 	392(j)		
	••	62						
	•• Th.tons	342	Th. tons	"in the	Th.tons	(t) - (ot		
	10 5	70	11.0	4.07	0.0	0		
	12.7	36		13	9.0	9		
	7.7	32	6.4	11	6.0	8		
	Th•B.T.U. (kW.hrs.)	í	Th.B.T.U. (kW.hrs.) 9,098	35	Th.B.T.U. (kW.hrs.) 7,195	30		
	▶ 13, 388	76<	ndieg fardwo	aber, inc ed repara	1000 es 171	0es6 (n) 1.0 7 (s)		
			led separatel	110-ige-to	i Iant anko	(2341 (11)		
22		med in 1	ctricity cons Rs.	sy of site	ioneup lego: io_nL hegerg	(ki) Tao Sear		

TABLE 13 (contd.)	and the second	N. 1973	A Contraction	· · · ·	(.btnbb)	TABLE 13
	1948		1937		19	35
		Materials and Usage of purcha fuel purchased and f				
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Fuel and electricity (contd.)	Th.galls.	£'000		£'000	(1,535,7) (1,535,7)	£'000
Motor spirit (petrol) and derv. fuel	- 100 - 100 - 15	10 (Au)			in at un torn	
Used for road vehicles	.76 .	8	20	in redat	excluding the into c	
Used for other power purposes	12	1		o an tur s	rgalatiger	
Other oil fuel (including creosote/pitch mixtures)	316	12 3			alsidelem	
Gas purchased	Th. therms			12	and south and	(e)
From public supply	361	18 3		again	ad aption :	a ilşi
From other sources	- 40 L	-	(13)	•979 •8	Cade, w .ez.lu	
Gas obtained from other works under the same ownership	505.,1 0				racoopes bi Llloett an Mel	Furcaças alusana
All other purchased fuel	• •	1		or LLIN AAN	ent parts try, other	
Total		3,728	•	1,037	CHILDED . D	829

(a) Excluding alloy steel.

(b) Not described as "in the rough".

(c) Described as "Wrought tubes".

(d) Iron and steel plates, sheets and strip, and steel castings.

(e) Not recorded separately.

(f) Non-ferrous alloys in all forms.

(g) Described as "Aluminium in all forms".

(h) Described as "Timber, including hardwoods and packing cases".

(1) So far as recorded separately.

(j) Including fuel not specified separately.

(K) The total quantity of electricity consumed in 1948 was 16,811,000 B.T. units including 3,423,000 generated in the same works.

		PRI	TTI
		Stocks rogress a	
	ρ.	Larger	
TABLE	14/6/07	'istantos	1. 68
	a disease in the second	034868. (0)	Lane
1905	1943 1937		
500	¥88.I 558	115	
Finish	ed products		
Work 1	n progress		
Unclas	sified 885		
I	otal finished produ in progress	lets and wo	rk
Materi	als and fuel	est stat	4-14 4-15 15-4-15
	by steel in all form ished parts and scr		
for	n and non-alloy stee ms, except finishee N scrap		
Othe fue	er descriptions of m l	naterials a	and

Unclassified

TABLE 14

Total materials and fuel

DS 7956/1

DS 7956/1

NG AND BOOKBINDING MACHINERY

f finished products and work in stocks of materials and fuel, 1948

stablishments in Great Britain

09 IS3	Mole Di	B		per	Of Labor Parts		
	19 49	At begin	ning	of j	vear	At end o	f year
		Quantit	у		Value	Quantity	Value
at	50 I	878	88.1	.1	£1000		£'000
	2, 19.8	176.1	8793-	8	1,382		1,602
					2,284	-	2,659
	135	1.001	641		284		311
ζ.	196	540	962		3,950		4,572
13. Fing	veo Pic	Th. tons			gasen	Th.tons	
	085			4	815		Under 18
¢643		0.3	100	8	20 4	0.3	26 4
	885	4.4	i China Statistica Statistica		185 70	4.7	206 88
	Igns			owit. Ny	410	ted exployees.	511
	- 10	168 SDS 300		.98.	74	Martion for MI	97
(81) 14	Les Les	en a sa an Va	rkori aras	N. W	765		931

Runber at Suprember 26, 1948, October 18, 1937, and October 18, 198

Maintenance and repair of

4/H/13

er Erebt

Employment and remuneration (a)

Larger establishments

TABLE 15

	A day in the second second second	1100 - 11 - 1 - 1 - 1	and the second se		the second s				and the second design of the local design of t	
		age numbe peratives		Administrative, technical and clerical employees (b)			Total			
	500 7A	1948	1937	1935	1948	1937	1935	1948	1937	1935
Males	galannes,	0ÚTÉA	i.	: Unsop	1					
Under 18	The Internal State	727	1, 126	878	95	158	115	822	1,284	993
All ages	The Los	11,030	8,693	7,971	2, 193	1,524	1,395	13, 223	10,217	9,366
Females	r groad vehitely	2, 284							a9'tgorte	i arubw
Under 18		88	149	100	135	96	54	223	245	154
All ages		784	388	340	991	487	5 444	1,775	875	794
Total		and a second		Th. tot						
Under 18		815	1,275	978	230	254	169	1,045	1, 529	1, 147
All ages	1.13.9 	11,814	9,081	8,311	3, 184 (c)	2,011	1,839	14,998 (c)(d)(e)	11,092	10,150
Total remunerati	on	£'000 3,704		b.b	£'000 1,386	••	il in all	£' 000 5,089	and son- aa, sxeep sonsp	NOTI. TOT

(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	6	males	160	females
Other workers	57	males	41	females

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

There were, in addition, 9 working proprietors (8 males and 1 female) in 1948. Working proprietors (c) are included in the 1937 and 1935 figures.

The employers' share of contributions to all National Insurance Schemes payable during the year in (d) respect of these workers amounted to £122,000.

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

-torneon silers in all Torne.	Operatives	Administrative, technical and clerical employees	Other adve circulars Unclassifi
Transport of goods outside	23	and the second second	Payments mad
the premises	20		To researc
Maintenance and repair of firms' buildings, but not		and the second second presents to the second	To univers
plant	40	the man and the second second second second	To other o
Research work not directly		A manufacture and the second of the second of	Postage, tel
connected with current production however		and the second second second second	Commercial i
charged	32	29	Rates (exclu

TABLE 16

TABLE 21	Amount	mount Establishments making returns for the calendar year						
	paid by all	Americate	Perce	ntage of an	nual remune	ration paid	in	
	establish- ments	Amount paid	First quarter	Second quarter	Third quarter	Fourth quarter	Year	
Wages and salaries of	2' 000	£1000	00012					
Operatives Administrative,	3,704	1,868	23.3	25.2	24.0	27.4	100.0	
technical and clerical employees	1,386	695	25.2	23.8	23.2	27.7	100.0	
Total	5,089	2,563	23.9	24.9	23.8	27.5	100.0	

(a) Including bonus and commission payments.

The total amount paid for work done on materials given out was £477,000.

Payments for certain services, 1948 Larger establishments in Great Britain

TABLE 18

Repair and maintenance

Of buildings

Of plant, machinery and vehicles

Unclassified

Hire of plant, machinery and vehicles

Advertising and market research

Advertising in newspapers, magazines

vertising services (poster dia rs, etc.) and market research

fied

ade for research work

rch associations

rsities, institutions, academ

commercial concerns

elephone, telegrams and cable

insurance premiums

luding water rates) payable i



PRINTING AND BOOKBINDING MACHINERY Wages and salaries paid, 1948 (a) Larger establishments in Great Britain

TABLE 17 - Payments for work done on materials given out, 1948 Larger establishments in Great Britain

	MALE DESTRUCTION AND AND AND AND AND AND AND AND AND AN
ana tele ent fuel prestation ablater	Amount paid
1	£'000
	41
	102
	32
t and P	6
and periodicals	21
splay, despatch of	6
	26
	Hoadings i and S lear 1 and
nic bodies and similar agencies	-
	otre soller stile inituidéli (e)
t charges thereast of previoualy as	43
	55
In the year	23
chartenbasds to have	

Plant, machinery and vehicles acquired and disposed of, 1948

Larger establishments in Great Britain

		E	

nust remuteration perd	ne to be	Acqui	Disposals		
Taird Fourth Toires Quarter	Beomd Lerter	New	Second-hand		
	*	£1000	£'000	£'000	
Plant and machinery		303	71	26	
Vehicles		20	8	3	
Total		323	79	29	

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

Larger establishments in Great Britain

TA	3LE 20	and a state of the	
1.	Capital expenditure on building work (a)	£1000	&' 000 132
2.	Existing buildings and land (b)		
	(1) Capital costs of freeholds bought	17	
	Estimated capital value of		
	(11) Rented property newly occupied in the year (c)	28	
	(111) Leasehold buildings and land newly occupied in the year	80	or plans, metric
	Total of heading 2	<u></u>	125
	Total of headings 1 and 2	ery bees y Thuilt	257
3.	Existing buildings and land relinquished (d)		
	(1) Selling value of freeholds sold	a) peolivies a	
	(11) Estimated value of other properties relinquished	27	
	Total of heading 3	Straw Magness	27
4.	Headings 1 and 2 less heading 3		230
	, academic bodies and similar Egencies, and	Institutions	to universities,
(a) Excluding site value which, where appropriate, is included in heading a	2(1).	
(Ⴆ) The figures do not reflect changes in ownership of previously occupied	land and bui	ldings.
(0) Property which is occupied under an agreement for the payment of rent	without the p	ourchase of a

(c) Property which is occupied a lease or the payment of a premium.

(d) Including property destroyed or abandoned.

TAB

Gros

Cost

Paym Net

Wage

Aver

Net

Stoc

Num

Note -	- There were no es
LE 21	
nolpel Legist	stand Sootland
ward the state of	88 . [1] B.A.M.
s output (product)	lon)
of materials and	fuel used
ent for work done	on materials given
output	
es and salaries of	persons employed
age number of pers	sons employed
output per person	employed
ks at end of year	
nished products an	nd work in progress
terials and fuel	
per of establishmer	ıts
The values of gro	oss output and of r
olner velative as Trepositions, strain	
out of firms in th:	is trade

Outr

Total value of sales (see Table 23)

Adjustment for changes in stocks and work in progress

Less payment for transport by other fi

Gross output (production)

Materials and fuel used by firms in this

Purchases (see Table 24)

DS 7956/1

Adjustment for changes in stocks

Materials and fuel used

4/H/16

PRINTING AND BOOKBINDING MACHINERY COUNTRY TABLES

1948

tablishments in Wales in the register for this trade.

Summary

Larger establishments

A provide the second	the second s	And the second	A LANK AND A
	England	Scotland	Great Britain
8 40	£'000	£'000	£'000
	12, 192	449	12,641
	3,441	120	3,562
en out	465	13	477
	8,286	317	8,602
81.	4,884 No. 14,375	205 No. 632	5,089 No. 15,007
	£ 576	£ 501	£ 573
	£'000	£'000	£'000
SS	4,462	110	4,572
	914 No. 101	17 No. 3	931 No. 104

materials and fuel used are derived in the following way:-

			and the second
	England	Scotland	Great Britain
	£'000	£1000	£' 000
	11,638	446	12,084
	+ 618	+ 4	+ 622
	12, 255	451	12,706
firms	63	1	65
**	12, 192	449	12,641
is trade	19- 1 m 1		
	3,598	130	3,728
	- 156	- 10	- 166
	3,441	120	3, 562

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

Summary

Small firms

1

TABLE 22	Summer and		-		1
TARLE 10		4			
PIC DISCUSSE	bin inti	England	Scotland	Great Britain	
Number of returns		36	Б	41	
Average number of person	ns employed (a)	71	1910) 1910 - 1910		-
Males		217	29	246	
Females		18	4	22	
Total		235	33	268	

(a) Including working proprietors.

TABLE 23			and La	rger es	capiton	mones		Coutput.		
Kind of output	Vel		Quantity	England	P 78	Scotl	and	Gr	eat Brita	in
(1) Complete machines(11) Replacement parts		T	Quant	ity	Value	Quantity	Value	Quan	tity	Value
Principal products			No.	Tons	£1000		£1000	No.•	Tons	£1000
Typesetting (including ke					1010		100 Million	intrates a	NEW THE	RIA
board and type casting)	(1)	r		535	716 254	h -		(1)	535	716 254
Stereotyping and electrotyping	(1)	1		••	32	5 -	- {	estruces	••	32
	(11)		••	•• (4	26		(d7 (enu	1000.0	en lere bi	10W 26
Printing			1.124				1	, blog ta	2,220	597
Newspaper rotary (1) and	(11)			••	(a)	••	(a)	••		372
	(i)				(a)		(a)	206 8	642	542 67
Other reel-fed machines	{				0.5		L L	••	 •••• 	4
at pal	(11)		••	••	95	-	ao 18 e	the trac	donie ro	95
Sheet-fed machines	r	1	614	1,191	486	h	ſ	614	1,191	486
Letterpress) (i)	1	150	100	150 36	} -	- 1	150	100	150 36
Barry and rode, and	(11)		••		105	-	-			105
							ſ	1,015	1,553	773
All other sheet-	(1)				(a)		(a) <	1,331	93	568 44
fed machines	(11)		1-10		(a)	-	(a)	te antico		391
Typesetting (replacement	l r	r		•• 329	(a) 173	h	(a)	••		239 173
parts), and photo-	(1)	1		029	236	} -		0.00	329	236
engraving machines, and other printing machinery	(11)				207	_	-	•••	abnos a	207
Typesetting, etc., and	∫ (1)		1.		803	-	-		done (c	803
printing machinery, unclassified)(11)		••		412	-	-	••	••	412
Bookbinding, including	(1)				(a)		(a)	1,518	756	410 90
blocking, embossing, stitching, ruling and	<		• ••	•••	(a)		(2)	1,119	79	90 27
cutting, folding, etc.	(11)	D1	vibrit of	reliation	(a)	int to and	(a)	ne rink i	os inte	122
Paper-working, etc. mach	ines							stven.	camot b	
Bag and envelope making	$ \begin{pmatrix} (1) \\ (11) \end{pmatrix} $			••	(a) (a)		(a) (a)	290	548	519 106
Guillotines (i) and	1				(a)		(a)	.begg.	no anhon	342
	(11)	(•• 40	•• 92	55	un aben abo		40	92	55
	(1)	<	432	55	19 39		- {	432	55	19 39
Coating machines	1(11)	0	The OWNER.		4			The ow	4	4
	(11)		••	••	4		-	2,119	968	4 523
	(i)				(a)		(a)	118		101 130
All other	{							•••	223	154
hoos and sections	(11)		3.6		181	-	_			181
		-	1.5			1		5.7		26

DS 7956/1

4/H/18

PRINTING AND BOOKBINDING MACHINERY COUNTRY TABLES

Sales in the trade

Larger establishments

4/H/20

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

TABLE 23 (contd.)

Kind of output	Engla	nd	Scotl	and	Great Br	itain
(i) Complete machines(ii) Replacement parts	Quantity	Value	Quantity	Value	Quantity	Value
wither restance for sectory	e quater ty	£' 000	apt mans	£'000	Rej.Lageneut	£'000
Principal products (contd.)		Ionie 210	ND.		Breastbrid 1	
Reconditioned printing, etc. machinery (b) (i) and (ii)	1	11 58	i		sting (molus) and type on	201
Printers' accessories .(e.g., wood and metal furniture) (b)		(a)		(a)	typing and autyping	608
Waste products sold, other than scrap metals		0 4.4		(E1) and (E1)	and spapar, iskarya	2
Repair and jobbing work, including roller covering (c) (d)	**	411	A second s	35	nr reel- Fe d	446
Work done for the trade or on commission (c)	oper, e toppe,	(a)	515	(a)	ations bet-18	155
Total principal products		11,124	1001	437	azəriqrəsi ə	11,561
Other output						
Machinery and parts (other than printing, bookbind-			,		Ll other sheet	
ing, etc. machines and parts)		275		6	•••	281
Scrap metals sold	1 - 1 - 5	231		4	etotna (repla e), and pnoto	21
Other goods	5	201		(11) 1000		214
Work done (c)		7		(1)]- bas	etting, etc.,	7
Total	8	11,638	-	446	asified	12,084

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

(b) So far as recorded separately.

(c) Amount charged.

(d) Exclusive of the value of goods made and recorded as output.

TABLE 24

	Engl	and	Scotl	Land	Great Britain		
	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Materials	Th. tons	£'000	Th. tons	£'000	Th. tons	£1000	
Iron and steel		5	0.0	1	descriptions,	apuso a	
Pig iron	2.5	26	_		2.5	26	
Bars and rods		A A A A A A A A A A A A A A A A A A A	0.2		001112	darford	
Alloy steel	0.6	42	- 5,3		0.6	42	
Iron and non-alloy steel	4.0	148	0.1	3	4.1	151	
Angles, shapes and		10		-	tining fenancia		
sections other than of alloy steel	0.4	15	_	-	0.4	15	
Bars and rods, and angles, shapes and sections, other than of alloy steel,		131	1	30	le cople, bound acement,	e miendo 191 38	
unclassified	1.0	36	. 9.8		1.0	36	
Iron castings, in the rough	9.9	635	0.5	37	10.4	672	
Forgings, other than of alloy steel, in the rough	1.0	75	-	1	1.0	76	
Tubes and fittings, other than of alloy steel	0.4	23 26	} -	- {	0.4	23 26	
Other descriptions, except finished parts	•	38			and sechinery ed for tioning (a)	Beccard- pitrobe recent	
Alloy steel	0.2	13	-	-	0.2	13	
Iron and non-alloy steel	1.7	43	Th. = ons	3	1.7	46	
Machined castings	0.3	20	15	1	0.3	21	
Transmission chains	0.5.	- 19	2,7	_	••	19	
Brass (including all alloys of copper, other than nickel	Th. cwts.		Th. cwts.	(d)	Th.cwts.	Sleetrie	
alloys)	S01.1	78	12.025	1		Electric	
Rods and sections	2.8	29	-	- 1	2.8	29	
Plates, sheets and strip	4.7	45		-	4.7	45	
Castings	5.0	56	0.2	2	5.2	58	
DS 7956/1				-11		a loan on	

PRINTING AND BOOKBINDING MACHINERY. COUNTRY TABLES

Purchased materials and fuel

Larger establishments

4/H/21

anie 24 (contd.

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

TABLE 24 (contd.)	laut bes.	natorials	Purchased			
	England	a,stablist	Scotla	ind	Great Bi	ritain
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials (contd.)	Th. cwts.	£1000	Th. cwts.	£'000	Th.cwts.	£'000
Brass (including all alloys of copper, other than nickel alloys) (contd.)	Districtory		Quanticy The tons			
Other descriptions, except finished parts	0.9	7 2	} ~	{	0.9	7 2
Unclassified	1.6	24	-	-	1.6	24
Aluminium and aluminium alloys in all forms, except finished parts	5.3	72	8+0	-	5.3	72
Timber (excluding timber used for making into cases, etc., or for repairing	10		011		shapes and	51
returnable cases)		50		1	A OL. T. Than	
Packing materials	••	106	••.	2	bms ,ebort s	108
Consumable tools, bought as replacement	••	121		4	shapes and a. c.er phu	125
Ball and roller bearings	2.9	36 39	} -	- {	2.9	36 39
Nuts, bolts, washers, etc. (a)	8.0	46	0.0		·•	46
Purchased components not elsewhere specified		1, 246		47	ini ifesa v	1,293
Replacement parts for firms' machinery, other than machined castings	••	32	±+0 ₹.		a fitsinge, shan of sligy	32
Second-hand machinery purchased for reconditioning (a)	and of inform	62	tine to indist		seeriptions. Allianska a	62
All other purchased materials		325	90 ••	17	steel	342
Fuel and electricity	Th. tons	43	Th. tons		Th. tons	Stee
Coal	11.7	34	1.0	3	12.7	36
Coke	7.2	30	0.5	2	7.7	32
	Th.B.T.U. (kW.hrs.)		Th.B.T.U. (kW.hrs.)		Th.B.T.U. (kW.hrs.)	Bress (in siloys o
Electricity purchased (b)	10 005	72	1, 162	5	13, 389	76
Electricity obtained from other works under the same ownership	12,225	12	8.8		sotions	Roda en
Et Cab	-	4.5	2.4	qta	te, bus erosile	Planes,
DS 7956/1	S0	68	. 5.0.	-		Casting 139999

TABLE 24 (contd.)

	Engla	nd	Scotl	and	Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Fuel and electricity (contd.)	Th.galls.	£1000	Th.galls.	£'000	Th.galls.	£'000
Motor spirit (petrol) and derv. fuel		· · · · · · · · · · · · · · · · · · ·				
Used for road vehicles	75	8	1		76	8
Used for other power purposes	12	1		_	12	1
Other oil fuel (including creosote/ pitch mixtures)	316	12 3	> -	- {	316	12 3
Gas purchased	Th. therms		Th. therms		Th. therms	
From public supply	351 ••	18 3	10	- [361	18 3
From other sources	-	-	_		_	
Gas obtained from other works under the same		-		-		
ownership		a Train	-	-	-	-
All other purchased fuel	••	1	-	_	••	1
Total		3, 598		130		3,728

(a) So far as recorded separately.

DS 7956/1

(b) The total quantity of electricity consumed in England was 15,648,000 B.T. units including 3,423,000 generated in the same works. The total quantity of electricity consumed in Scotland was 1,162,000 B.T. units, no electricity being generated in the same works.

4/H/22

PRINTING AND BOOKBINDING MACHINERY COUNTRY TABLES

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

Employment and remuneration

Larger establishments

TABLE 25

Jacon	England			Scotland			Great Britain		
	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total
Males	ned parce						denod .	t for other	
Under 18	684	92	776	43	3	46	727	95	822
All ages	10,512	2,107	12,619	518	86	604	11,030	2, 193	13, 223
Females				8.72	10			egroszla a	
Under 18	87	133	220	1	2	3	88	135	223
All ages	776	972	1,748	8	19	27	784	991	1,775
Total	eel /		6.4 ·····	0.50		14		***	. 30
Under 18	771	225	996	44	5	49	815	230	1,045
All ages	11,288	3,079(b)	14,367 (b)(c)	526	105(b)	631 (b) (c)	11,814	3,184(b)	(b) (c).
	£1000	£'000	£1000	£1000	£'000	£' 000	000ء	£1000	£1000
Total remuneration	3,552	1,332	4,884	152	54	205	3,704	1,386	5,089

(a) Number at September 25, 1948.

(b) There were, in addition, 9 working proprietors (8 males and 1 female) in Great Britain; 7 males and 1 female in England 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 £122,000; £117,000 for England and £5,000 for Scotland.

Monthly index of employment of operatives: Larger establishments

(average employment in 1948 = 100)

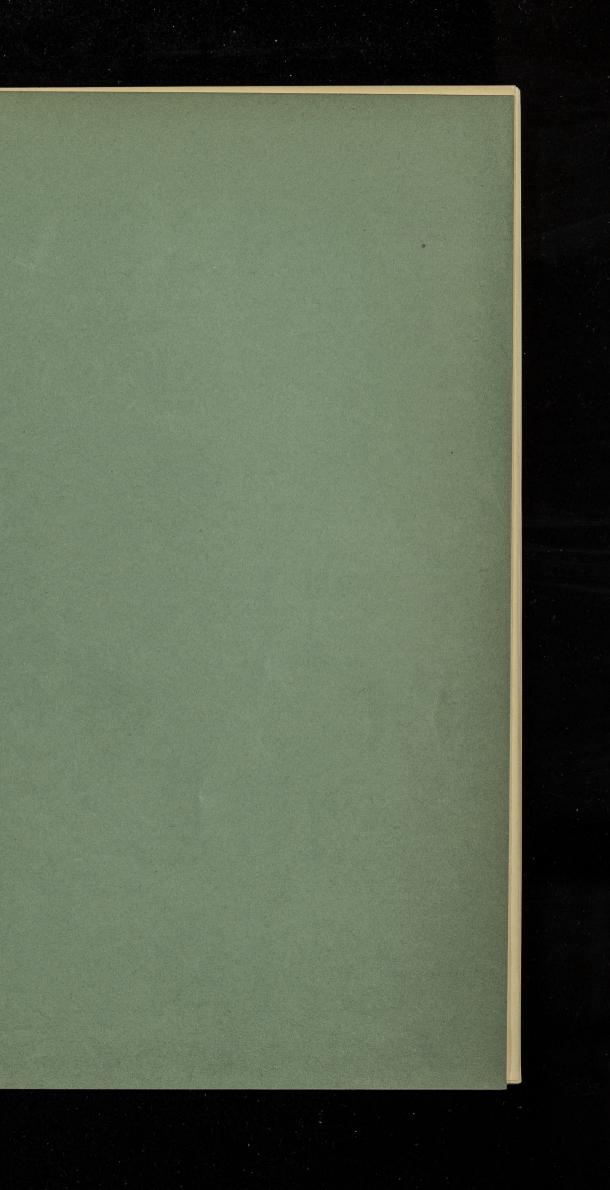
TABLE 26

The second second	Monthly index (a)				Monthly index (a)			
Month	England	Scotland	Great Britain	Month	England	Scotland	Great Britain	
1948 January	95.7	95.8	95.7	1948 August	101.1	102.4	101.2	
February	97.0	97.9	97.1	September	101.8	101.9	101.8	
March	97.8	98.8	97.9	October	102.4	102.4	102.4	
April	99.2	98.8	99.2	November	102.4	102.6	102.4	
May	99.5	96.0	99.2	December	103.2	103.2	103.2	
June	99.9	100.0	99.9	Percentage employ-	5	13, 359	8	
July	100.0	100.2	100.0	ment in this trade covered by the index mber of operatives en	48.8	100.0	51.1	

(a) The index numbers are calculated from the number of operatives employed in the first and the second sec

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