

FINAL REPORT on the CENSUS OF PRODUCTION FOR 1948

Volume 12

Trade C

RAILWAYS (CIVIL ENGINEERING)

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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1952

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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 28 0d. NET

	List of Tables	
Table No.	Title	Page.
1	Summary: Larger establishments	12/0/2
2	Summary, 1948: Small firms in Great Britain	12/C/4
3	Estimated average employment, 1948: All firms in Great Britain	12/C/4
4	Analysis by size, 1948: Larger establishments in Great Britain	12/C/4
5	Analysis by standard region, 1948: Larger establishments in Great Britain	12/C/5
6	Analysis according to specialisation within the trade, 1948: Larger establishments in Great Britain	12/C/5
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	12/C/6
9	Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments	12/C/6
10	Sales (or production) in the trade of other than principal products: Larger establishments	12/0/7
11 .	Analysis of sales, 1948: Larger establishments in Great Britain	*
12	Production, exports and imports of certain principal products: Larger establishments	*
13	Purchased materials and fuel: Larger establishments	12/0/10
14	Stocks of finished products and work in progress and stocks of materials and fuel, 1948: Larger establishments in Great Britain	12/0/12
15	Employment and remuneration: Larger establishments	12/C/12
16	Wages and salaries paid, 1948: Larger establishments in Great Britain	12/0/13
17	Payments for work done on materials given out, 1948: Larger establishments in Great Britain	*
18	Payments for certain services, 1948: Larger establishments in Great Britain	12/C/14
19	Plant, machinery and vehicles acquired and disposed of, 1948: Larger establishments in Great Britain	12/C/14
20	Capital expenditure on building work and changes in occupation of buildings and land, 1948: Larger establishments in Great Britain	12/C/14
	Country Tables	
Table No.	Title	Page
21	Summary: Larger establishments	12/C/15
22	Summary: Small firms	12/C/15
23 or 23(1)	Sales in the trade: Larger establishments	12/C/16
23 (11) Sales in the trade: Small firms	*

Purchased materials and fuel: Larger establishments

Employment and remuneration: Larger establishments

Monthly index of employment of operatives: Larger establishments

* Not applicable to this trade

Purchased materials and fuel: Small firms

Employment: Small firms

24 or 24(1)

24(11)

25 or 25(1)

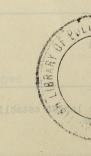
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25(11)

THIS REPORT on the Railways (Civil Engineering) Trade relates to establishments engaged wholly or mainly in the construction or repair of permanent way, bridges, tunnels and stations, and in other civil engineering work on railway property. The trade is included in minimum list heading 202 in the Standard Industrial Classification relating to Civil Engineering Contracting. The 1935 report on Railway Companies related to the output of all railway establishments engaged on productive work i.e., civil engineering work on railway property, the manufacture and repair of railway locomotives, carriages and wagons, and all miscellaneous manufacturing. For that report detailed returns on an establishment basis were not obtained and, accordingly, it has not been possible to reclassify the figures for 1935 strictly in accordance with the Standard Industrial Classification. The scope of the aggregate summary figures in Table 1(i) is thus very different in the two years, but an attempt has been made, from the information available, to compile figures corresponding very roughly with those for 1948. Further, summary particulars from all the separate productive establishments making returns in 1948 have been brought together to afford a basis for comparison with the original figures for 1935.

Railway undertakings were asked to return their output in terms of work done in the year of return, valuing that work on the basis of the cost of materials used and wages and salaries paid, together with the establishment charges attributable to the work carried out. Similarly the cost of materials related to materials used, not materials purchased in the year.

Establishments in this trade in Northern Ireland are excluded in 1948. Owing to the risk of disclosure of information relating to the individual undertakings, separate particulars of the very small output in Northern Ireland were not published for 1935.



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12/C/20

*

12/0/23

*

12/C/24

12/C/1

RAILWAYS (CIVIL ENGINEERING) TRADE

12/0/2

BUILDING AND CONTRACTING RAILWAYS (CIVIL ENGINEERING) TRADE

Summary

Larger establishments

(i) British Railways or Railway Companies

TABLE I

			Contractory and a statement of the state at the statement of the	AD INCOMENTATION AND ADDRESS OF ADDRESS TO ADDRESS OF ADDRESS
	1948 (a)	1948(b)	1935(c)	1935(d)
Gross output (value of work done)	£'000 63,129	ຂ' 000 153, 113	<u></u>	\$1000 54,860
Cost of materials and fuel used	22, 301	59,505	7,400	18,420
Payment for work done on materials given out	-	529	-	- ·
Net output	40,828	93, 079	16,100	36,440
Wages and salaries of persons employed	36,195 No.	81,787 No.	No.	No.
Average number of persons employed	108,088(e)	239,696	102,400	211,219 £
Net output per person employed	378	388	158 No.•	173
Number of establishments (f)	No. 124	No. 1,059	NO	No. 551

(a) Great Britain only. These figures relate essentially to civil engineering. It is these figures

(a) Great Britain only. These figures relate essentially to civil engineering. It is these figures which are further analysed in the main tables of the following report.
(b) Approximate figures corresponding roughly with those for 1935 (d), but relating to Great Britain. The figures cover all productive activities of railway establishments except electricity generation. They are arrived at by aggregating returns made by railway establishments in all trades. Details are given in the table following.
(c) Approximate figures corresponding roughly with those for 1948(a), but relating to the United Kingdom. These figures have been obtained by deducting from the 1935 aggregates, summary figures (in some cases estimated) for establishments, other than generating stations. United Kingdom. It is these figures which are further analysed in the main tables of the following report. See Introductory Note.

Note.

(e) For the total number of persons employed in this trade see Table 3.
(f) A less rigorous definition of establishment was adopted in 1935.

In columns headed 1948(a) and 1935(d) in the table above the values of gross output and of materials and fuel used are derived in the following way:-

		A second s
	1948	1935
Civil Engineering work (see Table 8) (a)	\$! 000 57, 744	ົສ1000 23, 348
Other goods made and work done (see Table 10) (a)	5,424	31,534
have a provide the second of the second s	6 3, 168	54,882
Less output returned by Government Departments (see Table 1(11))	39	22
Gross output (value of work done)	63,129	54,860
Materials and fuel used (see Table 13) (a)	22,303	18,430
Less materials and fuel used by Government Departments (see Table 1(11))	2	10
Materials and fuel used	22, 301	18,420

(a) The figures given in Tables 8,10 and 13 cover the larger establishments of both British Railways (on Railway Companies) and Government Departments.

TABLE I - (contd.)

The figures in the column headed *1948(b) " in the above table are derived in the following way:-

The figures in the column	neaded "Tar	±0(0)" IN 0	ne above cab.	re are de.	TIVED III DIR	- IOLIOMIUR	way.	-
Trade	Gross output (value of work done)	Materials and fuel used	Payment for work done, etc.	Net output	Wages and salaries of persons employed	Average number of persons employed	Net output per person employed	Number of establish- ments
Bread and Flour Confectionery Canal. Dock and Harbour	ຂົ' 000 97	ିଟ୍ଟ ଅ	000 °£	£' 000 35	\$'000 19	No. 70	£ 505	No. 5
Undertakings (Civil Engineering)	2,890	584	-	2,306	2,074	6,762	341	26
Canvas Goods and Sacks	2,119	1,617	100 CZ	499	336	1,138	438	22
Cattle, Dog and Poultry Foods	551	508	-	43	28	96	443	5
Tailoring, Dressmaking, etc.	413	267	112	34	27	123	274	1
Furniture and Upholstery	84	31	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	53	34	110	480	3
Gas Supply Industry	403	242	-	160	97	252	636	3
Laundry, Cleaning, Job Dyeing and Carpet Beating	195	53	2	140	92	545	256	12
Railway Locomotive Shops and locomotive manufacturing	38,239	12,645	94	25, 500	23,035	64,856	393	355
Motor Vehicles and Cycles (Repairing)	2,397	784	226	1,387	1,212	3,813	364	81
Printing and Publishing, Bookbinding, Engraving, etc.	253	88), and 16(164	139	446	368	6
Railway Carriages and Wagons; and Trams	40,970	19,813	85	21,071		51,429	410	402
Railway (Civil Engineering)	63, 129	22,301	el stasmi	40,828	36,195	108,088	378	124
Shipbuilding and Ship Repairing	989	192	6	790		1,891	418	10
Wholesale Bottling	386	316	-	70	19	77	905	4
Total	153,113	59,505	529	93,079	81,787	239,696	388	1,059
			and the second second					

Gross output (value of work done) Cost of materials and fuel used Net output Wages and salaries of persons employed Average number of persons employed Net output per person employed

Number of establishments

DS 7206/1

(a) Post office (London) Railway.

DS 7206/1

RAILWAYS (CIVIL ENGINEERING)

(ii) Government Departments (a)

	-50-30 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			1948	- 1935
568	174.P	- 495 ₂₀ - 195		£'COO 39	£'000 22
× 275	199		499	2	10
			818	37	12
1			G70.1	34 No.	No.
			1,692	87 £ 419	121 £ 96
			19, 498	No. 1	. No 1
19,696	- 751 .40	24, 810	37, 167	38	1940 DID TOOR ##

BUILDING AND CONTRACTING

Summary, 1948

Small establishments in Great Britain

TABLE 2	Jehl shorts
Number of returns	10
Average number of persons employed	2 1 01012
Males	38
Females	1
Total	39

Estimated average employment, 1948

All establishments in Great Britain

TABLE 3

As returned by establishments						
Employing on average more than ten persons (a)	108,175					
Employing on average ten persons or less (b)	39					
Average employment in all establishments	108,214					
(a) See Tables 1(1) and 1(11), and 15(1) and 15(1).						

(a) See Tables 1(1) and 1(11), and 15(1) and 15(11). (b) See Table 2.

Analysis by size, 1948

Larger establishments in Great Britain

TABLE 4					280			
Average number	Establish-	Gross	Net	Persons	R	Net output per person		
employed	ments	output	output	output employed		Salaries	Total	employed
11-24	No. 18	ג' 000 167	£'000 87	No. 237	€'000 71	\$1000 7	£1000 79	£ 368
25-49	6.	195	88	234	66	8	73	376
50-99	15	618	408	1,129	344	40	384	362
100-199	15	1,197	761	2,111	686	64	750	361
200-299	4	499	315	891	275	21	296	354
300-499	1	319	196	496	143	15	158	395
500-749	Б	1,879	1,168	3, 151	964	79	1,043	371
750-999	3	1,641	1,057	2,773	820	91	911	381
1,000-1,499	26	19,486	12, 568	32,986	9,841	980	10,822	381
1,500 and over	32	37,167	24,216	64,167	19,693	2,021	21,714	377
Total	125	63,168	40,865	108,175	32,904	3, 326	36,230	378

DS 7206/1

TABLE 5								
COLUMN TO A	Deterring	Oneco	Net ou	Persons		Remuneration		
Region	Establish- ments	Gross output	Value	Percent- age of total	employed	Wages	Salaries	Total
England	No.	£†000	£'000		No.	£1000	£1000	£1000
Northern	2	2,581	1,618	4.0	4,367	1,228	135	1,363
East and West Ridings of Yorkshire	7	5,557	3,486	8.5	9, 153	2,773	273	3,047
North Midland	6	5, 393	3,427	8.4	8,815	2,788	285	3,073
Eastern	5	4, 105	2,719	6.7	6,947	2,056	204	2, 260
London and South Eastern	30	14,783	9,935	24.3	26, 197	8,354	916	9,270
Southern	4	2,204	1,457	3.6	3,815	1,167	162	1,330
South Western	11	4,231	2,581	6.3	7,234	2,223	155	2, 377
Midland	4	2,319	1,473	3.6	4,015	1,221	93	1,314
North Western	15	9,728	6,080	.14.9	16,054	4,769	.536	5,305
Total England	84	50,901	32,774	80.2	86,597	26,579	2,759	29, 338
Wales	13	4,320	2,851	7.0	8,421	2,502	160	2,662
Scotland	28	7,947	5, 239	12.8	13, 157	3,823	407	4,230
Great Britain	125	63, 168	40,865	100.0	108,175	32,904	3, 326	36,230

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 this trade.

DS 7206/1

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RAILWAYS (CIVIL ENGINEERING) Analysis by standard region, 1948 Larger establishments in Great Britain

BUILDING AND CONTRACTING

Civil Engineering work carried out (a) (b) Larger establishments

TABLE 8

	uioàrba i-	0105000 	1948 (c)	- anna	HarEdeat	1935 (d)
	exerters 1	Civil Engi	neering est	ablishments	21091	All railway productive establishments
	New Con	struction	Repairs mainter		Total	New construction, repairs and maintenance
99271 252 · 8527.2	Value of work done (e)	Entries	Value of work done (e)	Entries	Value of work done (e)	Value of work done (e)
Construction, maintenance and repair of	£1000	Ν.	£1000	No.	£1000	£1000
Permanent way, roads, bridges, signals, tunnels, etc.	1,883	14	44,780	19	46,663	17,497
Stations and buildings	586	10	6,200	14	6,786	3,047
Electric power and lighting works	192	Serie .	174	6	366	258
Electrical equipment of track	187	2.2.	411	* 8	598	372
Sea walls, embankments and defences	20		200	8.	220	65
Gas mains and works	1	••	184	7	185	80
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works)	6	••	206	7	212	121
Telegraphic and telephonic lines and works (including telegraph and telephone apparatus)	315	9	1,758	12	2,073	629
Docks, harbours and wharves		-Bull	160		160	831
Canals and waterways		- H	38	The Bot . Do	38	165
Other civil engineering work	37		406		443	283
Total work done	3,227	17	54,517	17	57,744	23, 348

(a) The figures recorded in this Table do not include work on railway permanent way, stations, buildings, etc., recorded by undertakings whose returns were made on schedules for other trades. These particulars will be shown in a later summary volume.

(b) Excluding the value of parts or equipment made in establishments included in this report. The value of such parts, etc. is recorded in "Other output" (see Table 10).

(c) Great Britain only.

(d) United Kingdom.

(e) Valued at cost in both years, i.e., sums calculated to cover the cost of labour and materials, together with such a proportion of the general establishment charges as was properly attributable to the work concerned.

TABLE 9 - Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments

See footnote (a) to Table 8

TABLE 10

Railway equipment manufactured for the permanent way

Fish plates and sole plates

Keys, tree-nails, etc.

Chairs

Signals, signal boxes, and mechanica power signalling apparatus

Electrical signalling apparatus

Electrical communications equipment

Points, switches and crossings

Concrete sleepers

Other concrete goods

Ballast, stone, slag, etc.

Sawn timber

Other equipment, including pipes, we etc.

Repair work to equipment for permanent

Total permanent way equipment (incluwork)

Rolling stock and parts manufactured

Main line, steam locomotives

Parts of locomotives (except axles,, wheels)

Railway wheels and axles, complete

Carriages

· Complete

Parts of carriages (except axles, and wheels)

Wagons and trucks

Complete

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DS 7206/1

RAILWAYS (CIVIL ENGINEERING)

Other goods made and work done

Larger establishments

014111203			-	and a second
	1948 (a)	1935	(b)
	Quantity	Value	Quantity	Value
e	Tons	£' 000	Tons	£' 000
	318	9	224	4
	••	4	3, 218	32
	5, 058	60	73, 198	296
al and		192		174
	••	52		alia da la fata da la f
	••	24	roton••	55
	12,917 No.	357	28,890	335
	5, 525	4		
	••	131	and trildes	
	••	123		168
	•••039 jillw	82	DILIONA (BROS	
water troughs,	••	69		Lat C.
it wa y		164	Liee and parts	137
luding repair		1,268		1,201
•	indudi 🖵	507.EQ - 05	No. 375 Tons 26,270	1,767
, tyres and	- ot	te and reput	73,626 No. of sets	2,654 533
	-		888 Tons 1,022	20
, tyres	-	- 1	No. 1,666 Tons 11,185	2 , 7 97 422 80
	principle in the	rus anta <u>n</u> at	No. 17, 504	2,739

BUILDING AND CONTRACTING

TABLE 10	(Contd.)	
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ther goges have and more

	1948 (a)		1935 (b)	
	Quantity	Value	Quantity	Value
	- Inc.	£! 000	Tons	£'000
Rolling stock and parts manufactured (contd.)				
Wagons and Trucks (contd.)	anis			
Parts of wagons and trucks (except axles, tyres and wheels)	-	- {	31,804	437 47
Containers, complete		-	••	50
Total rolling stock and parts		-	an a	11,546
Repair work to rolling stock				
Locomotives	1942 A.B.2.	and mount ausaus		No remod
Steam and electric		autoriside		7,019
Electric rail motor vehicles		ond doubtine		856
Other		auniaeou	ting series tim	41
Carriages		- 55	anodere .	3,816
Wagons and trucks		46		3, 372
Containers		- 14030		40
Hand trucks, trollies, wheelbarrows, etc.		3		- Same: ED
Total repair work to rolling stock	aliguera fessa	49		15, 144
Road vehicles and parts manufactured	Justin - way the	-	••	70
Repair work to road vehicles			in the registration	a deser
Motor			a the anatasia	507
Other	fritten b	nand-10aun	atong pun sha	204
Total road vehicles and parts (including repair work)		-	and the second second	781
Construction, maintenance and repair of			Dan Contractor	
Water pumping machinery and parts				Arabiki
New construction	•• .	2		74
Repair and maintenance		37	J	/4
Hoists and cranes				Cartten
New construction	-	-	}	E01
Repair and maintenance	La FOR PORTA	, 244	egalyna 10	501
Repair work to ships and boats	to teste o	-	avaint for	331
Lamps and fittings for lighting purposes	••	6		105

Saddlery and harness. Tarpaulins, wagon covers, etc. Printing Grease Furniture Carpentry work, not included elsewhere Provendor Gas sold Coke Other by-products of gas production sold Recovered serviceable materials Second-hand steel and wooden sleepers Other Sheet strings, ties, ropes, etc. Other descriptions of goods made and work Waste products sold Timber Scrap metal Other Total (a) Great Britain only.(b) All railway productive establishments. United Kingdom.

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RAILWAYS (CIVIL ENGINEERING)						
adnamd ad	19 48	(a)	1935 (1	1935 (b)		
	Quantity	Value	Quantity	Value		
Usage of purchase	CALER -	£! 000		£1000		
	yada abī Q	348		26		
.aT. 21000	2not •• 0	7 - {	••	409 155		
eisphies.	••	31 142	FOR THE LEGISLE	74 121 123		
ere all	0.0 ··· 0.0 ··· 0.0 ···	140 - 51	Mill.cu.ft. 702.0	38.5 211		
	- 13.0	-	Th.tons 15.0	51		
n sold	8.8			13		
epers _{ove}	141	314 89	an antioners	Roreines Other desc specified		
184		518	C.MC.	321		
id work done	01448	518	· · ·			
582.1	160.4	656		inti chatra		
1000 A	Th. tons 373	2,049 11	than Harper	nadis Tedan. Linger, orna		
		5, 424		31, 534		

TABLE II - Analysis of sales, 1948: Larger establishments in Great Britain

TABLE 12 - Production, exports and imports of certain principal products These tables are not applicable to the trade.

BUILDING AND CONTRACTING

Purchased materials and fuel Larger establishments

TABLE 13

TALLS AN AN ADDRESS TALLS AND ADDRESS AND ADDRESS ADDRES	1948	(a)	1935	(b)	
	Usag	e of purchased	d materials and fuel		
An and a provide the second se	Quantity	Cost	Quantity	Cost	
Materials	Th. tons	£'000	Th. tons	£1000	
Alloy steel		1	+	(c)	
Iron and non-alloy steel					
Blooms, billets and slabs	*-	1	10.9	98 (d)	
Bars and rods	5.6	113	52.3	499(e)	
Angles, shapes and sections	2.5	55	42.8	347(e)	
Girders, beams, joists and pillars	2.5	51		(c)	
Plates and sheets	13.0	302	34.8	327 (e)	
Tubes	1.0	34	16.9	558 (e)	
Castings	2.2	79	14.8	226(f)	
Forgings	1.1	62	47.0	1,003(f)	
Other descriptions, not elsewhere {	7.9	273 250		(c)	
Steel rails				. Tenav	
Points, switches and crossings	16.7	4 <i>3</i> 7 485	215.0	1,740	
Other kinds	244.9	3,973	5		
Rail chairs	120.4	1,562	72.6	365	
Wood sleepers	Thous. 3, 454. 3	4,096		1,084	
Timber, other than sleepers	Th. cu. ft.		-		
, Hardwood	259.9	122	}-	ae 11	
All and a second and all all all	•••	64		1,613	
Softwood	2,550.7 Th. sq. ft.	1,028	n only.		
Plywood and veneers	160.9	5 5	Joares evisous		
Copper, in all forms (not elsewhere	Th. cwts.		Th. cwts.		
specified)	17.1	106	184.5	544 (g)	
Block tin		-	14.6	166	
Linseed oil	7.2 Th. sq. yds.	26 . 24 .	52.2 Th. sq. yds.	3J84T 61	
Canvas of linen and/or hemp	23.8	7	3, 384. 9	184	
Iron and steel sleepers	Thous	1		- E01	
Concrete sleepers	Thous. 57.7	89	12 - RTOGUCEIO	TABLE	
Chaired sleepers (concrete and wood)	235.6	457 664			
Rape oil		-			
DS 7206/1	and the second second		and and a second and a second s	STITISTANAMATIN	

RAILWAYS (CIVIL ENGINEERING) TABLE 13 (contd.) Materials (contd.) Paints and enamels Cement Glass Bricks Quarry products (sand, granite chippin ballast, etc.) Signalling and telegraph materials, n elsewhere specified Purchased components (manufactured par not elsewhere specified, for assembly the establishments' own products, or incorporation in the work carried ou establishments Replacement parts for own machinery Consumable tools All other purchased materials Fuel and electricity Coal Coke Electricity purchased (1) From public supply From other sources Electricity obtained from other works under the same ownership Motor spirit (petrol) and derv. fuel Used for road vehicles Used for other power purposes Other oil fuel (including creosote/ pitch mixtures) Gas purchased From public supply From other sources Gas obtained from other works under the same ownership All other purchased fuel Total (a) Great Britain only.
(b) All railway productive establishments, United Kingdom.
(c) Not recorded separately.
(d) Described as "Steel Blooms and billets".
(e) Of steel (including alloy steel).
(f) Including alloy steel.
(g) Copper bars, plates, sheets, tubes and pipes only.
(h) Including fuel not specified separately.
(i) The total quantity of electricity consumed in 1948 was 8,570,000 B.T. units including 46,000 generated in the same works.
(k) Described as "Heavy fuel oil".

	terriate and th	IN THE READ I P			
8 fs	1948	Capter and	1935 (b)		
			d materials and f	1 1 M 4 10 11 F	
net m	Quantity	Cost	Quantity	Cost	
	Th. cwts.	£1000		2000 ع	
the fact	61.5	343	1968	1925	
auort	Th. tons				
	41.1	150	Int	d bis elstratet	
	Th. sq. ft. 2,529.6	81			
- 11-	Mill.		6790	8,871(h)	
LANER .	16.4	110		Wood al aspers	
Inna	Th. tons	112	}	TRUST	
ings,	345.6	1,183		and the second second	
not				. Bardwood	
1821	••	1,692		Bortwood	
arts) ly in	Com Contraction of Contract		and the second	Card State State State	
r					
ut by		1,238	B.196U3A	DUN DODWITH	
103 .	a 19	31			
		194		Coal	
		2, 526	n - merenike ander		
) Th. tons		
	nomdel loctes 1		377.0	283	
	28.1	70	D	94	
1.1	5.5 Th. B.T.U. (kW.hrs.)	. 19	88.3 Th. B.T.U. (kW.hrs.)		
		Alana and a	(KW. Nrs.)	TABLE 15	
	6,388	39	104,877	299	
	7				
s.	2.129	8	(d) 8591	and the second s	
	2,129 Th. galls		Th. galls	Males Marian	
	305	28	1		
	194	18		(c)	
	104	10			
	3, 448	93	4,416	68 (k)	
	Th. therms.	Y8894.5	Abie. 1 is. *	Under 18	
	291	14	743	ALL SHOP	
		_		istor	
	Th. cu. ft.	DARKO, G	12	er (c)	
	94	ant a strange	108-003 108-003	ALL ASSA	
		13		Total	
		22,303		18,430	
N da e	,dőł	A MERON DI	B BARL OF THUR	JE THUMBE (8)	

RAILWAYS (CIVIL ENGINEERING)

(ii) Government Departments (a)

TABLE 14	i pesanonini lo es	480	
		At beginning of year	At end of year
		Quantity	Quantity
		Thous.	Thous.
Materials and fuel		the set proce in the	Canada
Concrete sleepers		17.5	41.8
Wood sleepers		3, 254, 3	3, 141. 6
Timber		Th. cu. ft.	Th. cu. ft.
Hardwood		113.0	118.2
Softwood		1,161.6	2,067.0
		Th. sq. ft.	Th. sq. ft.
Plywood and veneers		189.6	2 7.9
		Th. tons	Th. tons
Coal		1.5	1.7

BUILDING AND CONTRACTING

Stocks of materials and fuel, 1948

Larger establishments in Great Britain

Employment and remuneration

Larger establishments

(i) British Railways or Railway Companies

TABLE 15	i astrialization in			0000			
AND TRAFF		Average number of operatives		technical ployees (a)	Total		
	1948 (b)	1935 (c)	1948 (b)	1935 (c)	1948 (b)	1935 (c)	
Males			alling and	Toni	one (Lorsoh) and		
Under 18 All ages	713 99,957	6,513 197,701	153 6, 367	111 10,203	866 106,324	6, 624 207, 904	
Females	444		Jan St.	adbaber:	nalbulani) lass		
Under 18 All ages	6 549	227 1, 412	115 1, 215	191 1,903	121 1, 764	418 3, 315	
Total		-			an antipers and	cond managers	
Under 18 All ages	719	6,740 199,113	268 7,582	302 12, 106	987 108, 088 (d)	7,042 211,219	
Total	£'000	23 1 24.	£'000		£'000		
remuneration	32,878		3,318	••	36, 195		

Number at April 10, 1948, and March 9, 1935. Great Britain only. All railway productive establishments. United Kingdom. The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £908,000.

			Administrative, technical and clerical employees (b)		Total	
	1948	1935	1948	1935	1948	1935
Males			·		- New Stand	
Under 18	2	1	1		3	in one adques
All ages	71	109	15	11	86	120
Females				20-000 C	THE THEFT	C. DIAGO
Under 18	-		- 	-	-	-
All ages	-		1	1	1	1
Total				aito	for research	CAN. STABOURS
Under 18	2	1	1	- 50	3	
All ages	71	109	16	12	87(c)	121
an autout and server	£'000		٤'000	340	£'000	Lints Age
Total remuneration	26		8	in the second	34	The other of

Post Office (London) Railway. Number at April 10, 1948, and October 12, 1935. The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £1,000. (a) (b) (c)

Wages and salaries paid, 1948 (a)

TABLE 16

	Amount paid by all establish- ments	Establishments making returns for the calendar year					
creatoria increase		Amount	- Percentage of annual remuneration paid in				
		paid	First quarter	Second quarter	Third quarter	Fourth quarter	Year
Wages and salaries of	£'000	£1000				1. (gung som	autonin
Operatives	32,904	32, 878	23.8	24.7	25.9	25.7	100.0
Administrative, technical and clerical employees	3,326	3 , 318	23.9	24.5	25.9	25.7	100.0
Total	36,230	36,195	23.8	24.7	25.9	25.7	100.0

(a) Including bonus and commission payments.

This table is not applicable to the trade

12/C/12

12/C/13

Larger establishments in Great Britain

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

Larger establishments in Great Britain

BUILDING AND CONTRACTING

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

1455	1946				1040	Amount paid
						£1000
Repair and ma	aintenance					
Of building	gs				17	949
Of plant, r	machinery and vehicles	3				182
Hire of plant	t, machinery and vehic	les		1 50 cm - 204		1,360
Payments made	e for research work					
To research	n associations				S	17
To unitrong	ities, institutions, a	cadomic	hodles		12	
	ar agencies	ICAUCINI C	Doures		odarij	1
To other co	ommercial concerns				89	i: notsirmamer "lato
Postage, tel	ephone, telegrams and	cables			growing	9
Commercial in	nsurance premiums	act office action	in temperature	lange of second in	1100000	8

Plant, machinery and vehicles acquired and disposed of, 1948

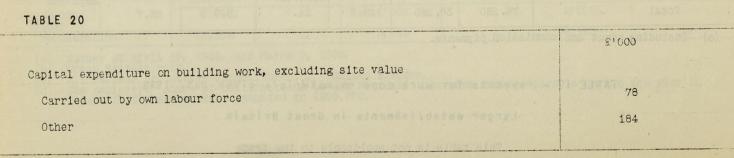
Larger establishments in Great Britain

TABLE 19

			advected and a second	THE CAR WERE CONSIDER A RECORDED IN LARS DO NOT CARE CONCERNING AND A REPORT OF A RECORDER OF A RECORDER OF A R	
	nes classic of f				
tie for the celenser year	uner entsett stra	New	Second-hand		
ar brad bol in dien Isu	Purchased	Produced by establishments in the trade for own use		Disposals	
The second s	£'000	£'000	£'COO	£'000	
Plant and machinery	221	3	3	8	
Vehicles	153	-	7	inking bie segum	
Total	373	3	10	10	
		1. 11. 1. 1	011.9		

Capital expenditure on building work, 1948

Larger establishments in Great Britain



RAILWAYS (CI
TABLE 21
COLLERIC DECASE SETTAIN
Gross output (value of work done) (See Table 23)
Cost of materials and fuel used (see Table 24)
Net output
Wages and salaries of persons employed
Average number of persons employed
Net output per person employed
Number of establishments
82 888 de transference viel 786 918 et en

TABLE 22

Number of returns Average number of persons employed

Males

Females

Total

DS 7206/1

IVIL ENGINEERING) COUNTRY TABLES

12/C/15

1948

Summary

Larger	establ	ishments
--------	--------	----------

I and the second second				
nd an	England	Wales	Scotland	Great Britain
	£1000	£'000	£1000	£1000
	50,901	4,320	7,947	63,168
	18,126	1,469	2,707	22,303
	32,775	2, 851	5, 239	40,865
	29,338 No. 86,597	2,662 No. 8,421	4,230 No. 13,157	36,230 No. 108,175
	\$0,597 \$ 378	£ 339	£ 398	£ 378
	No. 84	No. 13	No. 28	No. 125
			Fariting 3	15 EDOLTEAD

Summary

Small establishments

158	England and Wales	Scotland	Great Britain
1981	10		10
	38	arolice, squadoor la works F	38
	1		rougiphon s10
204	39	itoteneb 🥳	39

12/0/16

Output in the trade

Larger establishments

TABLE 23				1	TABLE 21
Wales Scotland Financia	bne	England and Wales	Scotland	Great H	Britain
21000 coora - 21000 coora - 21000 coora	00	Value of	Value of	Value of	0.000000.0000
4, 320 Y. 947	10	work done	work done	work done	Total
Civil Engineering work carried out	- 88	£1000	· £1000	£'000	£1000
Construction, maintenance and repair of	3	1.22 · 1			Nex, outgut
Permanent way, roads, bridges, signals, tunnels, etc.	.68	3 (92) 04	empilo,red	ica of persona	Vages and salar
New construction		1,737	146	1,883	46,663
Repairs and maintenance		39,225	5,555	44,780	1
Stations and buildings					Velas io redaux
New construction		504	82	586	0.006
Repairs and maintenance		5,482	718	6,200	6,786
Electric power and lighting works			- Setterin		
New construction		192	-	192	366
Repairs and maintenance		106	69	174	
Electrical equipment of track					
New construction		187		187	598
Repairs and maintenance		411	-	411	
Sea walls, embankments and defences		NELLONZES IN	5.10		
New construction		20	-	20	220
Repairs and maintenance		158	42	200	~~~~
Gas mains and works					
New construction	•	1	• -	1	185
Repairs and maintenance		184	-	184	100
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works)			Defor	dup philolog 10	Average humber
New construction		6	-	6	212
Repairs and maintenance		204	: 2	206	l'etel
· ·					*

TABLE 23 (Contd.)

Civil Engineering work carried out (contd.)

Construction, maintenance and repair of (contd

Telegraphic and telephonic lines and works (including telegraph and telephone apparatus)

New construction

Repairs and maintenance

Docks, harbours and wharves

New construction

Repairs and maintenance

Canals and waterways

New construction

Repairs and maintenance

Other civil engineering work

New construction

Repairs and maintenance

Total civil engineering work done

New construction

Repairs and maintenance

Other goods made and work done

Railway equipment manufactured for the permanent way

Fish plates and sole plates

Keys, tree-nails, etc.

Chairs

Signals, signal boxes, and mechanical and power signalling apparatus

Electrical signalling apparatus

Electrical communications equipment DS 7206/1

RAILWAYS (CIVIL ENGINEERING) COUNTRY TABLES

-					· (verifier	al the sales	
	Engla and Wales	1	Scotlan	Great Britain			
000	Value work		Value o work do		Value of Total		
1	£' (000	£! 000		£'000	£!000	
d.)				(00) 56 (00) (00)	anan anenging Verinanesti way	e unultar	
					uni cenes env	anie)	
1.21.121						10000	
		506	9		315	1	
	1,6		154		1,758	2,073	
	, e t	04	104		1,700	1 1000	
		_		100 0 1 1 1 1	enero ventito		
		_	160		160	160	
			100	BUILDE	100		
		_					
3.01			38		38	38	
						piot	
190		37			37	Sectors.	
		.81	225		406	443	
					400	1. 2003	
	2,9	90	237		3,227		
-	47,8		6,963	a start	54,517	57,744	
		1	Quantity		STAR TRANSPORT) Value	
	Tons	£1000		£'000		£'00C	
				1	10-71	iter tit	
				113	o 1.6340 gart Gro	i houdit	
	•				Contraction of the second		
	314	9	4	-	318	9	
		4		-	in the set	4	
	5,058	60	-	-	5,058	60	
					AGE STORE GLIG		
Loge L		135		56	••	192	
		.49	••	3	••	52	
		21	• ••	2	•••	24	

BUILDING AND CONTRACTING COUNTRY TABLES

TABLE 23 (contd.)

RAILWAYS (CIVIL ENGINEERING) COUNTRY TABLES.

TABLE 23 (contd.)

TABLE 23 (contd.)	and the second se				A REAL REAL PR	2 July 1034 1	TABLE 23 (contd.)	(0) 1001	
	England	and Wales	Sco	tland	Great B	Britain		England	
	Quantity	Value	Quantity	Value	Quantity	Value		Quantity	
Other goods made and work done (contd.)	Tons	£'000	Tons	£1000	Tons	£1000	Other goods made and work done (contd.)	No.	
Railway equipment manufactured for the permanent way (contd.)				De Tempo de	arest State	1045	Lamps and fittings for lighting purposes		
Points, switches and crossings	9,831	280	3,086	76	12,917	357	Tarpaulins, wagon covers, etc.		
a second from some restored and	No.		No.		No.		Furniture		
Concrete sleepers	5,525	4	-	-	5, 525	4	Carpentry work, not included elsewhere		
Other concrete goods	••	114		17	en one entred	131	Recovered serviceable		
Ballast, stone, slag, etc.	••	123	-	000000 - 000	antiodate ve	123	materials		
Sawn Timber		82	-	- / 0	1.0 mm 44	82	Second-hand steel and wooden sleepers		
Other equipment, including pipes, water troughs, etc.		35		34	na par errec	69	Other		
Repair work to equipment for permanent way		105		59	teringanas g	164	Other descriptions of goods made and work done Waste products sold	9.0	
Total permanent way equipment (including repair work)		1,021		247	onigae livis	1,268	Timber	1.5	
Repair work to rolling stock				0.0228129	interesting and	eper-	Scrap metal	Th.tons 336	
Wagons and trucks		46	, saoo at	se the - set	as 11915,183	46	Other Total	et all	
Hand trucks, trollies, wheelbarrows, etc.	1996	2		1	autonio uni	3			
Total repair work to rolling stock		49		1		49	BE VISCING DUTCHING (N) 66		
Construction, maintenance and repair of		10120- 10120-					1 1 192 IE		
Water pumping machinery and parts			101	and uses butter	y equiprest	al11-5	Directricity Covainad Aren Directricity Covainad Aren Directricity Unlass, tas		
New construction	••	2	-	-	tione still	2	Th sq. fds.		
Repairs and maintenance		34		3	dilmaout .	37	and asra tubica		
Hoists and cranes	08	abc.a			-	Canto .	Uses for Planckminister 98 7.78		
New construction		-	-	Inte Janco	Isuale Jali		Ves (235,6 Association)		
Repairs and maintenance		140	910	104		244	The owner.		
	- 94		215	the pears	tricil cigna	EIO	38 81.5 243 Th. tons 41.5 150		

	CONTRACTOR OF THE OWNER	and the contraction of the second descent to the second descent the second descent descent descent descent desc			
nd ar	nd Wales	Scotla	and	Great Br	itain
у	Value	Quantity	Value	Quantity	Value
000	£1000	No.	£1000	No.	£'000
		The tops			
				Million States	0
	5	••	1	••	6
	7	_		a a itek	7
	11		20	••••••	31
				bas senada	to Iwas
	142	3,-	1.07-	500	142
		3.5		s, beans, jo) rs	abrià 1110
		T.SI		eseens bris	atefi
	314	0 H	-		314
	89	8_1	_		89
		2470	150	19 A.	13个组织
	400	1 311 1	118	HORALD FREEDO	518
				ST.	T LIGHT
	593		62	e senter lue	656
		Th. tons	1.00	Th.tons	0.010
	1,863	37	186	373	2,049
-	8 178	••811 •••811	3		11
NS. XALET	55, 221	S. 198.4	7,947	epore-	63, 168
			1 3470 do 8		-Techtor

TABLE 24

Alloy steel

Iron and non-alloy steel

Angles, shapes and

Plates and sheets

Bars and rods

sections

pillars

Tubes

Castings

Forgings

Steel rails

crossings

Other kinds

Rail chairs

Wood sleepers

Hardwood

Softwood

Linseed oil

hemp

Blooms, billets and slabs

Girders, beams, joists and

Other descriptions, not

elsewhere specified

Points, switches and

Timber, other than sleepers

Plywood and veneers

Canvas of linen and/or

Iron and steel sleepers.

Chaired sleepers (concrete

Concrete sleepers

Paints and enamels

Copper, in all forms (not elsewhere specified)

BUILDING AND CONTRACTING COUNTRY TABLES Purchased materials and fuel (a)

Larger establishments

Cost

£'000

1

1

106

54

51

296

34

70

46

65

250

379

485

3,461

1,473

3,847

84 64

952

5

89

23

7

1

83

457

305

134

Scotland

Cost

£1000

1

-

7

2

1

6

1

9

16

207

58

512

89

249

38

76

1

17

1

-

-

7

664

38

16

Quantity

Th. tons

12

-

-

-

0.3

0.4

0.7

6.2

2.1

34.3

7.4

Thous.

254.9

114.3

262.7

Th. sq. ft.

12.2

1.9

0.1

1.9

Th. sq. yds.

..

Thous.

..

Th. cwts.

Th. tons

4.7

3.6

4.2

Th. cwts.

Th. cu. ft.

0.3

Great Britain

Cost

£'000

1

1

113

55

51

302

34

79

62

273

250

437

485

3,973

1,562

4,096

122

64

5

106

24

7

1

89

457 664

343

150

1,028

Quantity

Th. tons

-

5.6

2.5

2.5

13.0

1.0

2.2

1.1

7.9

..

16.7

..

244.9

120.4

Thous.

259.9

..

160.9

17.1

7.2

23.8

..

57.7

235.6

..

61.5

41.1

Th. cwts.

Th. tons

Thous.

Th. cwts.

Th.sq.yds.

2.550.7

Th. sq. ft.

3,454.3

Th. cu. ft.

England and Wales

Quantity

Th. tons

-

5.3

2.5

2.5

12.7

1.0

1.8

0.4

1.7

..

14.6

..

210.5

113.0

Thous.

3,199.4

145.6

. . .

2,288.0

Th.sq.ft.

148.7

15.1

7.0

21.9

..

53.4

235.6

Th. cwts.

Th. tons

56.8

37.5

Thous.

Th. cwts.

Th.sq.yds.

Th. cu. ft.

TABL	E 24 (contd.
------	--------	--------

Mate

G1

Br

Qu

Si

Pu

Re

Co

Al

T

Fuel

Co

Co

El

El

Mo

BLE 24 (contd.)						
Creat Britain	England ar	d Wales	Scotl	and	Great B	ritain
Sout CHARTER PERMIT	Quantity	Cost	Quantity	Cost	Quantity	Cost
erials (contd.)	Th.sq.ft.	£'000	Th.sq.ft.	£'000	Th.sq.ft.	£1000
Hass	2,396.2	77	133.4	4	2,529.6	81
Bricks	Mill. 14.6	100	Mill. 1.7	11	M111. 16.4	110
uarry products (sand, granite chippings, { ballast, etc.)	Th. tons 345.6	112 1,094	Th. tons	89 {	Th. tons 345.6	112 1, 183
ignalling and telegraph materials, not elsewhere specified	and the second	1,524		168		1,692
urchased components (manufactured parts) not elsewhere specified,						in enne lorienen retro IIA .
for assembly in the establishments, own products or incorporation in the work carried out by estab-						0309- <u>1</u> -1
lishments	••	1,082	••	156	••	1, 238
eplacement parts for own machinery	11 aun ••104 au	27	or scitternic	4	e vitine. Es	31
onsumable tools	1.E 007	157	6. 500.••300.40	37	1111. •• Its	194
ll other purchased materials	••	2,356		169	·· ·	2, 526
l and electricity	Charles I.		AND THE ARE			
Coal	23.1	58	5.0	12	28.1	70
loke	4.9 Tn.B.T.U. (kW.hrs.)	17	0.5 Th.B.T.U. (kW.hrs.)	2	5.5 Th.B.T.U. (kW.hrs.)	19
lectricity purchased (b)						
From public supply	5,677	35	711	4	6, 388	39
From other sources	7	-		-	7	-
lectricity obtained from other works under the same ownership	2,129	8	Th.galls.	-	2,129 Th.galls.	8
lotor spirit (petrol) and derv. fuel	Th.galls.		III. gall S.		III. gall5.	and the
Used for road vehicles	242	22	63	6	305	28
Used for other power purposes	184	17	10	1	194	18
			an a			

Materials

Cement

DS 7206/1

and wood)

DS 7206 1

RAILWAYS (CIVIL ENGINEERING) COUNTRY TABLES

BUILDING AND CONTRACTING COUNTRY TABLES

TABLE 24 (contd.)

			and the second	and a present of the present of the		and the second	
Great Britain	England	and Wales	Scotla	nd	Great Britain		
George Cashing Coat	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Fuel and electricity (contd.)	Th.galls.	£'000	Th.galls.	£1000	Th.galls.	£'000	
Other oil fuel (including creosote/pitch mixtures)	2, 485	67	963	26	33, 448	93	
Gas purchased	Th. therms		Th. therms		Th. therms	Quarty pr	
From public supply	284	13	7	-	291	14	
From other sources	-	-	-	-		nt Henriels	
Gas obtained from other works under the same	Th.cu.ft.	Aadaat	Th.cu.ft.	- t - \$9	Th.cu.ft.	scis 30T	
ownership	94	-	-	-	94	Puronasod (mmutao	
All other purchased fuel	••	6	••	7	Abere apool (1	13	
Total		19,596		2,707	mensa, and p	22,303	

(a) Usage of purchased materials and fuel.

(b) The total quantity of electricity consumed in England and Wales was 7,859,000 B.T. Units including 46,000 generated in the same works. The total quantity of electricity consumed in Scotland was 711,000 B.T. units.

Employment and remuneration

TABLE 25	TABLE 25											
	Engl	land and Wa	les		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		Total			
Males	and the second											
Under 18	617	128	745	98	26	124	715	154	869			
All ages	87,885	5,563	93, 448	12, 143	819	12,962	100,028	6,382	106,410			
Females			- 10			10 Y	0,002.0					
Under 18	5	96	101	1	19	20	6	115	121			
All ages	514	1,057	1,571	35	159	194	549	1,216	1,765			
Total									a light and			
Under 18	622	224	846	99	45	144	721	269	990			
All ages	88,399	6, 620	95,019 (b)	12, 178	978	13 ,1 56 (b)	190,577	7,598	108,175 (b)			
•	£'000	£1000	£†000	£1000	£1000	£'000	£1000	£1000	£1000			
Total remuneratio	pn 29,081	2,919	31,999	3,823	407	4,230	32,904	3,326	36,230			

(a) Number at April 10, 1948

(b) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of 1909,000; 1800,000 for England and Wales, and £109,000 for Scotland.

RAILWAYS (CIVIL ENGINEERING) COUNTRY TABLES

Larger establishments

BUILDING AND CONTRACTING COUNTRY TABLES

Monthly index of employment of operatives: Larger establishments

(average employment in 1948 = 100)

TABLE 26

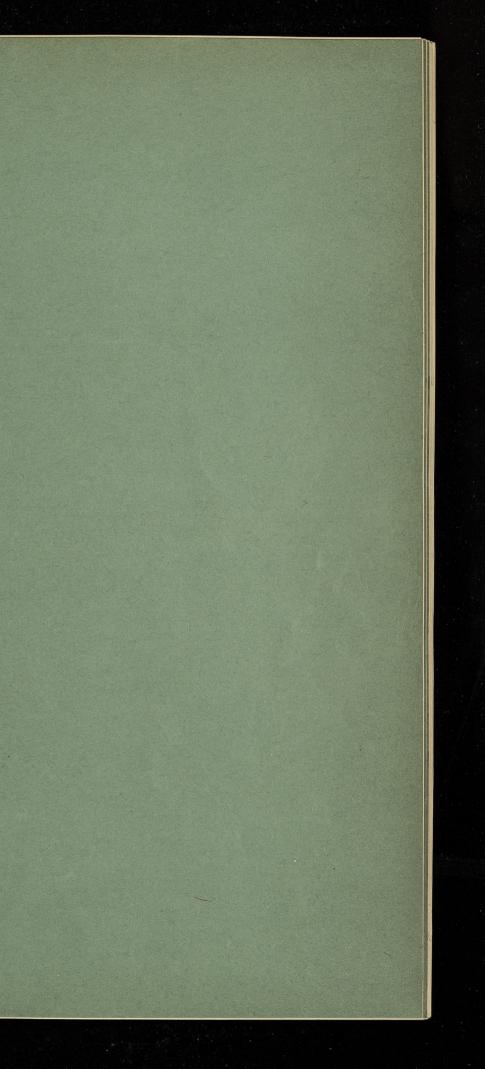
	Monthly index (a)		TOPRICE TOPROT	Monthly index (a)			
Month	England and Wales	Scotland	Great Britain	Month	England and Wales	Scotland	Great Britain
1948	(established) of	antova li	S. Angelan Li	1948	P Lep Los	Nortane Febr	
January	97.7	1 0.4	98.0	August	101.0	99.5	100.8
February	97.8	100.3	98.1	September	101.0	99.4	100.8
March	99.1	100.6	99.3	October	100.8	99.9	100.7
April	99.8	100.5	99.9	November	100.7	99.7	100.6
May	100.4	100.6	100.5	December	99.8	99.C	99.7
June	100.8	100.0	100.7	Percentage employ- ment in this trade			telenoi ·
July	101.0	100.0	100.9	covered by the index	99.9	100.0	99.9
	1.818	22-2	R. R.		14 190 NBO	1 414	A11 3590

(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.

Loyers' share of contributions to all Pational innurance Soncass pryship during the year t of these workers shounted to 2 total of \$60%,0000 \$300,000 for England and Wilse, and 00 for Scotladt.

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