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BOARD OF TRADE

FINAL REPORT on the CENSUS OF PRODUCTION FOR 1948

Volume 5

Trade C

CHAIN, NAIL, SCREW AND MISCELLANEOUS **FORGINGS** SH LIBA

> 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 28 Od. NET

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	* Not applicable to this trade	

* Not applicable to this trade

CHAIN, NAIL, SCREW AND MISCELLANEOUS FORGINGS TRADE

THIS REPORT on the Chain, Nail, Screw and Miscellaneous Forgings Trade relates to establishments engaged wholly or mainly in the manufacture of bolts, nuts, screws, rivets, nails, etc. (other than wire rivets and nails), laminated and other springs (including clock and watch springs), anchors and chains (other than transmission chains), steel drop forgings and miscellaneous iron forgings.

Miscellaneous steel forgings other than drop forgings which were included in the preliminary report for this trade, are in the final report on the Iron and Steel (Melting and Rolling) Trade for 1948. For 1937 and 1935 these forgings were not distinguished separately from steel drop forgings and it has not therefore been possible to classify the establishments in those years on the same basis as that for 1948; for the earlier years particulars relating to all miscellaneous steel forgings have been included in this report. Establishments classified for 1948 to the Iron and Steel (Melting and Rolling) Trade instead of to this trade, because of their output of forgings other than drop forgings, employed on average 4,305 persons during that year and accounted for a total net output of £2,724,000.

This trade corresponds to minimum list headings 91, 92 and 99(4) in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded in 1948. Cwing to the risk of disclosure of information relating to individual firms separate particulars of the very small output in Northern Ireland in this trade were not published for 1935.

Summary

Larger establishments

TABLE !

IADLE			
	1948 (a)	1937 (b)	1935 (b)
	£' 000	£' 000	£¹ 000
Gross output (production)	81,282	32,010	21, 321
Cost of materials and fuel used	37,727	16, 341	10, 561
Payment for work done on materials given out	719	281	235
Net output	42,836	15, 388	10,525
Wages and salaries of persons employed	23,540	;;	••
Average number of persons employed (c)	No. 78, 247 (d)	No. 66,619	No. 55,841
Net output per person employed (c)	£ 547	£ 231	188
Stocks at end of year	£1 000	£† 000	£1000
Finished products and work in progress	5,916		••
Materials and fuel	8,072	v.e No	***
Number of establishments	No. 640	No.	No. 569

Great Britain only.
United Kingdom.
Excluding outworkers.
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
Out and all man day that a trade	£' 000	£' 000	£'000
Output of firms in this trade			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	71,379	26,166	17,391
Other output (see Table 10)	9,919	5, 844	3,930
Adjustment for changes in stocks and work in progress (see Table 14)	+ 834		
Less payment for transport by other firms	82 , 132 850	32,010	21,321
Gross output (production)	81,282	32,010	21, 321
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	39, 211	16.341	10,561
Adjustment for changes in stocks (see Table 14)	-1,484)	302
Materials and fuel used	37,727	16,341	10,561

CHAIN, NAIL, SOREW AND MISCELLANEOUS FORGINGS

Small firms in Great Britain

TABLE 2

Number of returns	3, 197
Average number of persons employed (a)	
Males	8, 071
Females	593
Total	8,664

(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)	78,247
Employing on average ten persons or less (b)	8,664
Estimated average employment in firms not	86, 911
making satisfactory returns	810
Estimated average employment in all firms	87,721

(a) See Tables 1 and 15.

(b) See Table 2.

Analysis by size, 1948

Larger establishments in Great Britain

TARIF 4

IADLE 4								
Average	Establish-	Gross	Net	Persons		\$. 523 5. 523 5. 555 5. 540 4. 504 9. 593		
number employed	ments	ments output	output	employed	Wages	Salaries	Total	
e de la companya de l	No.	£1000	€ 000	No.	£1000	£1 000	£, 000	£
11-24	144	2, 354	1,356	2,594	560	175	736	523
25-49	167	5, 544	3,065	5,865	1,316	332	1,648	523
50-99	153	10,666	5,817	10,484	2,389	645	3,033	555
100-199	76	10,709	5, 495	10, 182	2, 403	559	2, 962	540
200-299	41	10,144	5,109	10,136	2, 454	550	3,004	504
300-399	22	8,565	4,479	7,552	1,891	478	2,369	593
400-499	16	7,371	4,093	7,086	1,869	441	2,310	578
500-999	11	7,813	3,710	7,366	1,717	.502	2,218	504
1,000 and over	10	18,117	9,712	16,982	4, 181	1,081	5,261	572
Total	640	81, 282	42, 836	78, 247	18,779	4.762	23,540	547

Analysis by standard region, 1948 Larger establishments in Great Britain

TARIE 5

TABLE 5								
	Establish-	Gross	Net or	utput	Persons	Re	emuneration	
Region	ments	output	Value	Percentage of total	employed	Wages	Salaries	Total
	No.	£'000	£1000		No.	£1000	इ। ०००	<u> </u>
England						NAU 4135		
Northern	14	1,655	617	1.4	1,362	341	61	402
East and West								
Ridings of Yorkshire	.64	8,595	4,087	9.5	7,600	1,948	516	2,464
North Midland	21	3,324	1,632	3.8	3,266	719	219	938
Eastern	10	583	386	0.9	655	149	57 .	206
London and South Eastern	75	5,944	3,408	8.0	6,136	1,511	464	1,974
Southern	8	714	489	1.1	714	181	58	239
South Western	5	368	203	0.5	329	90	8	98
Midland	339	48,381	26,376	61.6	46,440	11, 188	2,739	13,928
North Western	50	3,832	2,072	4.8	4,270	914	235	1, 149
Total England	586	73,394	39,270	91.7	70,772	17,042	4,356	21,399
Wales	10	1,577	846	2.0	1,943	447	151	598
Scotland	44	6,311	2,719	6.3	5, 532	1,289	255	1, 543
Great Britain	640	81,282	42,836	100.0	78,247	18,779	4,762	23,540

CHAIN, NAIL, SCREW AND MISCELLANEOUS FORGINGS

Analysis according to specialisation within the trade, 1948 Larger establishments in Great Britain

TABLE 6

IABLE				1							
		Establish-	Gross	Sales of	Net	Persons		Remunerati	on	Net output	
		ments	output		output	employed	Wages	Salaries	Total	per person employed	
	Cauca 4	No.	£1000	£'000	£'000	No.	£1 000	ฐ¹ 000	£'000	£	
Specialist proof	roducers								Leste		
Anchors and graphels, chains oth	and ner	121			200	65.88		OF EED	ante bue devend		
than trans	SM1SS1ON	56	4,498	3,803(a)	2,399	4,109	1,087	240	1, 327	584	
Laminated	springs	28	3,962	3,271	1,818	2,980	883	223	1, 106	610	
Springs, o than lami		106	6,199	5,450	3,938	8, 255	1,652	402	2,055	477	
Bolts, nut screws, r washers, staples,	ivets, nails,	266	38,677	34,752	20,753	39, 124	8, 389	2, 396	10,786	530	
Drop forgi steel, no where spe	t else-	777	18,639	16,430	9,095	14,372	4,462	886	5,349	633	
Remainder of trade	the	107	9,307		4,834	9,407	2,306	614	2, 918	514	
Total		640	81,282		42,836	78,247	18,779	4,762	23, 540	547	

⁽a) Including amount charged for chain making for the trade or on commission and for proving chain cables and anchors.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

⁽b) Including unclassified screw machine products, but excluding wire nails, staples, etc.

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							
north contract of the contract		1948 (a) Sales		1937 Product		1935 Produc	
1000 1 1000 1 2000	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Iron and steel	Th.cwts.	£1000	No.	Th.cwts.	£'000	Th.cwts.	£1000
Anchors and grapnels and parts thereof	83.8	252	10	100.1	124	53•6	59
Ships' stud-link chain cable	90 tv.2	G Weeks		900			a site
Of iron	218.6	716	18	272.8	446	186.5	279
Of steel	144.8	514	This is an		900		and the second
Chains, other than transmission chains						Showly to	PARTIES PARTIES
Welded and forged chain, unstudded (c)			32, 45		385	A 3000 300	34.03
Of steel, electrically welded	78.3	343 137	} 20	42.4	94	169.4	293
Of iron, hand-made	97.1	440	25	128.8	242		
Jack chain (including mattress chain), mattress hooks and mattress links made of wire	32.5	124	16	24.8	47	23.0	32
Chain tackle	14.4	90 20	14	8.3	38	CONTRACTOR	(d)
Shackles, forged or cast, for use with chain-cable, mooring, hauling or lifting gear	53.9	207	23				
Other gear for use with chain-cable (e.g., swivel pieces, slips)	13.5	65 24	} 11				400/0
Crane chains, wrought iron	84,3	409	20	141.8	347 (e)	63.0	182(e)
Crane chains, steel	5.7	26 48	6	14 15, 42.22			
Other chains	70.7	360 417	38				
					1		

TABLE 8 (contd.)

TABLE & (CONTENT)	A5	1948 (a) Sales		1937 Produc	(b) etion	1935 Produc	(b)
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Iron and steel (contd.)	Th.cwts.	£'000	No.	Th.cwts.	£1000	Th.cwts.	£1 000
Springs							
For road vehicles							
Laminated	897.8	3,912	44		no tota	Calmeters of	
Other	66.4	759 160	31			THE STATE OF THE S	
For small arms	0.7	12 5	} 7	284.4	941		
For clocks and watches	0.6	38 57	10			208.0	656
For musical instruments	2.2	43 31	8		348,08		
For ordnance	1.2	42 16	} 11	5.5	45		
For locks and latches	2.2	57 9	11	2.9	16	2.3	11
Laminated, other than for road vehicles		28					
For locomotives, carriages and wagons	379.5	1, 137	14		0, 5350	or in the dis	
Other	1.9	8 3	} 5	823.6	1,338	683.2	1,059
Unclassified	159.2	473	••			1.00	
Other springs					S C SUDA;	Subsection (A)	-
Upholstery and mattress springs (including spring seating and mattress interiors)	{ 313.7	1,804 779		409.6	710((f) 221.4	350(f)
For locomotives, carriages and wagons	173.3	673	23		20013-0	ed ~18000) 01 //16 093	STORES OF THE STORES
Valve, shock absorber and similar engine springs	14.8	284	1> 60	253.6	857	192.4	642
Other	132.0	1,530 704					
Other		704		/			

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TABLE 8 (contd.)

TABLE 8 (contd.)						4.000	bl	4.077	(h)
	7892	1948 Sale	(a) s			1937 (Product		1935 Produc	
Total Constitution	Quan	tity	Value	En	tries	Quantity	Value	Quantity	Value
	Th.gross	Th.cwts.	ล' 000		No.	Th.cwts.	£' 000	Th. cwts.	£1000
Iron and steel (contd.)								reo) feede	
Other set screws, screw studs and screws for metal, nuts, and washers assembled with any of these articles			1 98				es realto) bas em ebuse	uantre bro se pare car space dare	
Black or metal coated (but not painted, japanned or otherwise coated, except with metal)	1,077 5,089	25.0	136 528 100 138		18		(d)	min (ii) (iii	(d)
All other kinds	7, 919 1, 422	84.7 35.4	624 155 133 201		31				
Hooks, fasteners and shackles, not elsewhere specified	Th. cu	wts.							Cara.
Fasteners for machinery belting		0.5	407 169	}	13	27.0	121 {	20.0	84 18
Other descriptions	The second secon	7.5	129 34	}	18	63.7	137 (0)	50.3	85(0)
Saddlery hardware, not elsewhere specified		•••	155		11	27.9	130	22.7	114
Moulders' chaplets (h)		••	69		5		Interview a		
Forgings, not elsewhere specified			28				enden 180 Lene	COLUMBA COLUMB	A TOTAL
Iron								es fotons	esent.
In the rough	11	2.6	243 65	}	47	134.4	244	112.6	183
Machined		8.2	37		8				
Steel, drop forgings (p)						10000	Le39x 20	
Of alloy steel						580 4 1	air berser	TO TO DO US	199
In the rough	1,82	28.8	10, 137		63		an Rala	denie ma	
Machined	11	15.0	816		11	TAKE ALL TO		seets early	
Of non-alloy steel						>4,963.0	12,729	3, 139. 8	7,029
In the rough	1,82	21.2	8,036		86				
Machined	2:	36.1	1,285		22			. Salities	5- CATIL
Unclassified	1:	10.6	576		20				
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver) (q)	S								
Nails and tacks	{	7.6	95 23	1	18	9.0	45	11.9	50

TABLE 8 (contd.)

			948 (a) Sales		,	1937 (Product		1935 Produc	(b) tion
TABLE 22.	Quanti	ty	Value	Entrie	s	Quantity	Value	Quantity	Value
rass (including all alloys of copper but excluding nickel alloys other than nickel silver) (q) (contd.)	Th. cwt	Th.cwts.		No.		Th.cwts.	£1000	Th.cwts.	£'000
Screw machine products (e.g., turned screws, rivets, washers), unclassified (h)	31.1	1 .00	990 1,064	} 45		-	00 T o 208	-	9 000 Tool
Rivets (other than tubular) and { washers	15.9 Mili		207 36	33		16.0	135	12.3	93
Tubular rivets	628		443	8)	oku s	in a state	garvers
Bolts and nuts	Th. gross 3,990 3,069	Th. cwts. 34.0	763 731 138	78		63.4	683 {	49.7	387 107
Screws for wood, coach screws, screw hooks, screw rings and screw knobs	465 115	3.0	1	}	{	Th.gross 4,353 Th.cwts. 34.1	384 {	Th.gross 3,376 Th.cwts. 30.9	273
Screws for metal (h)	1,997	10.3		} 7		-	- (D - L) 2	LEAST TO SELECT	101 - 101 -
Springs (h)	Th.cw 2.	ts. 8	113 31	23			-	ATES INC.	Parti (s
opper	31 34		ing and	1		a wer or	obuqu ve	to perinoe	100 (0
Nails and tacks	17.	2	205	16		19.2	94	13.6	50
Screw machine products (e.g., turned screws, rivets, washers) (h)			5	7		indiam it	and so		1838 (S
The last ways in bica the tok so	Th. gross	Th. cwts.	50.00 b	1 125 ER		Cardens and	1800 SL 700 - 18	desilen sall s only set	nicio ()
Other bolts, nuts, screws, rivets and washers	1,580	9.9	115 147 41	21		15.6	101	13.9	83
Screw machine products (e.g., turned screws, rivets, washers), other than of iron, steel, brass or copper (h)	Th, cw		149	16		buton can seems due tool or		TODAY DELE	TOUT (
Other screws, nuts, bolts, nails, etc., not of iron, steel, brass	1 2021		42	12		5291 7320 8 221 88188	PART TORS	Baltimot Baltimot	719
or copper (h) Aluminium rivets (h)	{ 7.	.7	247 145	} 15	100	e la la basut	10 9199-1 10 8 - 23	1 25 (2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 13 (s
Taper pins of all metals (h)	8.	7	107	} 9		-	-	- 10	-
Split pins of all metals (h)	18	.3	138	6		-	-	-	-
General and jobbing work (including horse shoeing and other blacksmiths' work) (r)			915	92			75		108

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TABLE 8 (contd.)

		1948 (a) Sales		1937 Product		1935 Produc	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
ron and steel (contd.)	Th.cwts.	£1000	No.	Th.cwts.	ఓ' 000	Th. cwts.	£1000
Springs (contd.)							
Unclassified springs	31.1	529 233	31		_ 13		
Springing	4.0	25 36	} {	122.2	310(g) 279	68.6	182(g 215
Fencing material (other than fencing wire) of cast or wrought iron		748 - 40	- R		•	A PARTE TO	
Standards	49.2	129	35	152.2	157	123.7	102
Other sorts (i.e., gates, grilles, fences, trellis, etc.)	133.2	628 241	92	957.8	1,303	880.3	945
Unclassified	55.9	159 198	} 16	-	S. Maria		-
Shoe nails and rivets, hob nails, and boot and shoe studs and spikes, other than			14	137.0	226	125.3	179
malleable cast (1)	120.5	414	14				
Cut nails	287.8	510	15	468.5	381	411.5	300
Tacks	96.0	426	16	119.8	242	128.6	224
Other nails and staples (1)	35.7	183 81	} 17	71.4	110	111.9	143
Screw machine products (e.g., turned screws, rivets, washers), unclassified (h)	33.4	427 694	} 42	-	_	-	_
Rivets (k)							
of ½ in. diameter and over	948.7	1,424	18				
Under ½ in. diameter	150.8	438 53	39	200			
Unclassified	213.1	330 71	} 7	1,960.6	1,666	1,304.9	991
Washers (other than those assembled with bolts, etc.)	269.2	812 268	12 6/			STANDARD B	
Tubular rivets	Mill. Th. cwts 3.9	92				100 144	

TABLE 8 (contd.)

entrophers when	49.	1948 (a) Sales	Roda	1937 (Product		1935 Produc	
LUCIO II CALLEDO II DUBGO II	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Iron and steel (contd.)	Th.cwts.	£'000	No.	Th.cwts.	£1 000	Th.cwts.	£1000
Studs and spikes (other than boot and shoe studs and spikes and screw studs)	16.6	96 38	} 9		Ant a	PATRI DOS DE ROSE D LEDVER DO DO SESSE D	Antros Levetr Moste Total
Boot and shoe tips and protectors (other than protectors holed for fitting) (1)	16.5	60	} 10	48.0	110	41.8	84
Horse shoes, sold unfitted	60.8	137		94.5	89	103.7	81
Frost cogs (horse shoe studs)	2.5	23	6	7.0	25 (h)	8.1	23 (h)
Grindery, not elsewhere {	22.4	117 22	14	33.1	56(h)	26.1	38 (h) 10
Screws for wood, coach screws, screw hooks, screw rings and screw knobs	Th. gross cwts. 4,149 55.3 32,225	318 2,272	}	Th.gross 26,401 Th.cwts. 273.0	913(m)	Th.gross 24,270 Th.cwts. 220.3	710(m
Bolts, whether threaded or not, bolt ends, hexagon or square head set screws and screw studs, hexagon and square nuts whether tapped or not, and washers assembled with any of these articles (n)					Tin a		DESCRIPTION OF THE PERSON OF T
Bright (10,898 349. 4,894 69.	8 3,630 1,886 3 531 912	124	697.7	2,719	477.2	1, 584 275
Black or metal coated (but not painted, japanned or otherwise coated, except with metal)	5,774	6 2,888 1,828 8 5,655	77	4,076.5	4,508	2, 534.2	2,915
All other kinds	1,343 123	100	44		3443		
Unclassified	215 20	3 110	43	1.903-	-	50-05 9332588	1000
The second secon					25123		
	0 11 1			3.8		exect b	na asias

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

Larger establishments

ova tamona ponva aro		1948 (a) Sales		1937(Produc		1935 Produ	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	€,000	Th. cwts.	2'000
ron and steel						employe il	450
Ships' stud-link chain cable, of steel	0.2	1	••	_	osadžen be na sa v ivlo	1/23/34/00/ 1/1/23/5-18	-
Shackles, forged or cast, for use with chain-cable, mooring, hauling or lifting gear; and other gear for use		040				(erolysia	
with chain-cable (e.g., swivel pieces, slips)		4	. •			as Teilph	
Anchors and grapnels and parts thereof		009 009				i opelog	
Chains, other than transmission chains	20	380 14. 08	0.00	8.2	24	21.9	71
Welded and forged chain, unstudded, of iron, hand- made	61.0	244	}	- day orn		Carrenau y S levie ya	Canal Canal Canal
Jack chain (including mattress chain), mattress hooks and mattress links made of wire		12				(sprint)	
Chain tackle		33.1				Test , dead	
Other chains							
Springs						Dald Land	
For road vehicles,	260.7	1,049	9	•	(c)		(c)
For ordnance	-	-	-	0.4	2	130.00	(c)
Laminated, other than for road vehicles		100			ACPORA .SE SE SUE SE	COSTA DIR COSTA DOS CASOS DADE	
For locomotives, carriages and wagons	74.0	229				100	eseriñ.
Other	-	-	- ,	260.0	389	179.5	288
Unclassified	159.2	473	1.818			NO SEE SE	
						3 (3 (10)	

TABLE 8 (contd.)

		1948 (a) Sales			(b) etion	1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Work done for the trade or on commission (r)		£1000	No.		£'000		£1000
Chain making		2					213(B.m)
Proving chain cables and anchors		211	22		194		104
Other		671	49		100		The State Foots
Total		81,872			33,411		21, 350
Less sales or production in other trades		10,493	•••		7,245		3,959
Total principal products of this trade sold or made by establishments		4	in Anger	200.2			
in the trade		71,379	602	e at I	26, 166		17,391

(a) Great Britain only. (b) United Kingdom.

- (c) Not described as unstudded in 1937 and 1935. The subdivisions in 1937 were "Electrically welded" and "Other".
- (d) Not recorded separately.
- (e) Described as "Other chains".
- (f) Described as "Upholstery and mattress wire springs".
- Including spring seating.
- (h) So far as recorded separately.
- (1) Including malleable cast hob nails, and boot and shoe stude and spikes in 1937 and 1935.
- (j) Excluding wire nails and staples, and insulated staples, for which see the Wire and Wire Manufactures Trade (Volume 5, Trade D).
- (k) Excluding shoe rivets, tubular rivets and bifurcated rivets manufactured from wire.
 (1) Excluding malleable cast boot and shoe tips and protectors in 1948.
- Screws for wood only.
- (n) The figures for 1937 and 1935 include other set screws, screw studs and screws for metal, nuts, assembled washers, and coach screws.
- Including screw hooks, rings and knobs.
- (p) Excluding axles, tyres and wheels. The figures for 1937 and 1935 include steel forgings other than drop forgings. For the sales (or production) of axles, tyres and wheels, and the sales in 1948 of steel forgings other than drop forgings, see the Iron and Steel (Melting and Rolling) Trade (Volume 3, Trade B).
- (q) All nickel alloys were excluded in 1937 and 1935.
- (r) Amount charged in 1948 and amount received in 1937 and 1935.

TABLE 9 (contd.)

TORSE OF FRANKLIS	atherae.	1948(a) Sales				1937() Product		1935(t Product	
	Quantity	Value	Er	tries	Qua	antity	Value	Quantity	Value
Se scotton C	Th. cwts.	£'000		No.	Th.	.cwts.	£1000	Th. cwts.	£'000
Iron and steel (contd.)									
Springs (contd.)									
Other springs								E593 3 7/2	TO THE STATE OF TH
Upholstery and mattress springs (including spring seating and mattress interiors)	81.8	344 340	}	22		246.7	413	107.2	162
For small arms	-	-		-		. 1871			
Valve, shock absorber and similar engine springs	••	2		••		67.3	293	33.8	122
All other descriptions of springs	54.1	260 100	}	••				Standa St	1987A
Unclassified springs {	27.4	423 39	}	20		_	- 1981 - 1981 - 1981	7.00 - 3.	-
Springing	-	-		-		••	14	4.5	5 189
Fencing material (other than fencing wire) of cast or wrought iron		22				-25		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Standards	15.9	31		23		92.2	86	64. 6	51
Other sorts (i.e., gates, grilles, fences, trellis, etc.)	30.4	125 50	}	62		279.6	345	275.0	291
Unclassified	49.9	135 181	}	••		-		entant te	-
Shoe nails and rivets, hob nails, and boot and shoe studs and spikes		-0 (£ .001				Stat. Dann c	
Cut nails, tacks and other nails and staples, except wire nails and staples and insulated staples	42.3	121 64	1			55.1	4 8	43.3	34
Rivets (d)							, 297	Toncool 10	
Of ½ in. diameter and over	_=	-		-	1				
Under ½ in. diameter	6.4	21]	7	STATE OF STA				
Unclassified	213.1	330 69	1	••		284.9	226	147.6	99
Washers (other than those assembled with bolts, etc.)	66.7	163 4	}	16					

TABLE 9 (contd.)

TOTAL			1948(a) Sales			1937 Product		1935 (t	
and a material state of the sta	Quan	ntity	Value	Entr	ies	Quantity	Value	Quantity	Value
	Th.c	wts.	£'000	N	0.	Th.cwts.	£'000	Th. cwts.	£'000
ron and steel (contd.)							i fabili	au) lesse	OR LOSS
Studs and spikes (other than boot and shoe studs and spikes and screw studs)						and a	Astrons belless	ATOMERICA CHIBANEE	Ascori.
Boot and shoe tips and protectors (other than protectors holed for fitting)	0.		8 11	}	6	-	-	0.6	2
Horse shoes, sold unfitted		_	-		-	-	_		18
Grindery, not elsewhere specified	0.	8	.4 19	} _	5	8.5	15 {	4.3	8 10
	Th. gross	Th.					-		0946
Bolts, whether threaded or not, bolt ends, hexagon or square head set screws and screw studs, hexagon and square nuts whether tapped or not, and washers assembled with any of these articles (e)							n (g) manasa	over erri Filmon Colorado	asy a
Bright	85 563 ••	5.0	64 299 7 51	}	9	20.3	89	16.0	76
Black or metal coated (but not painted, japanned or otherwise coated, except with metal)	129 47	74.1	166 60 75	}	6				
All other kinds	26 9	14.8	33 12 10	}	6	90.6	95	40.3	59
Unclassified		13.0	70 271	} 3	4	-	-		-
Other set screws, screw studs and screws for metal, nuts, and washers assembled with any of these articles									
Black or metal coated (but not painted, japanned or otherwise coated, except with metal)	1	0.7	4 37 7	}	5		(c)		(c)
All other kinds	••	••	10		•		prostem.	ar agreet	

TABLE O (contd)

TABLE 9 (contd.)						etal nach es	
		1948 (a) Sales		1937 Produc		1935 Produc	
	Quantity	Value	Entries	Quantity	Value	Quantity	' Value
	Th.cwts.	£'000	No.	Th. cwts.	£' 000	Th. cwts.	£'000
Iron and steel (contd.)					1204	en desert	
Hooks, fasteners and shackles, not elsewhere specified				4	24 April 200 2002 2003		
Fasteners for machinery belting	1.7	12 8	} 5	0.3	1	-	-
Other descriptions	3.2	31 5	7	14.9	27(f)	11.6	16(f)
Saddlery hardware, not elsewhere specified	••	58	••	1.3	6	0.9	5
Forgings, not elsewhere specified							
Iron							
In the rough	103.9	194 51	28	51.9	98	60.7	90
Machined	-	-	-				
Steel, drop forgings (g)							
Of alloy steel	400.2	2,369	••				
Of non-alloy steel							
In the rough	76.4	259	9	1,734.9	4,992	902.5	2, 249
Machined	94.7	450	5				
Unclassified	15.3	76	17				
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver) (h)							
Nails and tacks	0.1	2	••	-	-	0.1	1
Rivets, washers, bolts and $\left\{ egin{array}{ll} & & & \\ & & & \\ & & & \end{array} ight.$	0.3	9 430	}	2. 1	21 {	5.4	45 10
Screws for wood, coach screws, screw hooks, screw rings and screw knobs	••	1		0.5	5	-	-
Springs		9		-	-	-	-
Copper nails, tacks, bolts, nuts, screws, rivets and washers	4.2	62	}	5.4	31	3.8	20
DS 27702/1	i rama i de la companya de la compan						

TABLE 9 (contd.)

	22 st note	1948 (a) Sales			1937(b) Production		(b) tion
180 7741	Quantity	Value	Entries	Quantity	Value	Quantity	Value
2013222075	Th.cwts.	£'000	No.		£'000		£'000
Screw machine products (e.g., turned screws, rivets, washers) of all metals other than copper	4. 2	54 31	}			· -	Dattmen
Other screws, nuts, bolts, nails, etc., not of iron, steel, brass or copper		9	j 223	iontou - theo	ont) oros	on dite	2016 2622
Aluminium rivets	4.5	142 11	}	ust -	Eme	ming be	alcott _
Taper pins and split pins of all metals	11.5	68 4	}	-	400705678	ens anon	-
General and jobbing work (including horse shoeing and		SETTE .	A ansa	uniT i			
other blacksmiths' work) (i)	h	26	21		25	LEG SESSEEN SES	38
Work done for the trade or on commission (1)	9	81			_		-
Total		10,493			7, 245		3, 959

(a) Great Britain only.

(b) United Kingdom.

(c) Not recorded separately.

(d) Excluding shoe rivets, tubular rivets and bifurcated rivets manufactured from wire.

(e) The figures for 1937 and 1935 include other set screws, screw stude and screws for metal, nuts, assembled washers and coach screws.

(f) Including screw hooks, rings and knobs.

(g) Excluding axles, tyres, and wheels. The figures for 1937 and 1935 include steel forgings other than drop forgings.

(h) All nickel alloys were excluded in 1937 and 1935,
(1) Amount charged in 1948 and amount received in 1937 and 1935.

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

Larger establishments

TABLE 10

STATE OF THE PARTY	1948 Sa:	(a) les	1937 (b) Production	1935 (b) Production
	Quantity	Value	Value	Value
Manufactures of iron and steel	Th. tons	£1000	£1000	£,1000
Wire nails and tacks (including staples other than insulated)	5.1	208	75	56
Tools and implements	Th. doz.		1-24 12-1 2	Shifte maankii
Spanners and wrenches	132	164 89	26	21
Other, excluding engineers' small tools	Th. tons	679		
Railway material (including axles, tyres and wheels)	13.6	675 121	466	295
Stampings and pressings	5.5	603 109	324	174
Builders' ironmongery	2.1	139 38	212	249
Bolts, hasps and hinges, blanks and parts therefor	0.7	70	106	42
Fabricated iron and steel	man serse .	66	89	73
Wire mattresses {	0.5	47 75	139	78
Steel forgings, other than drop forgings		Water of	no fini hi beautoke sis	anistat corb dada ampaia Texath iik (a) berisio imposs (
Of alloy steel				
In the rough	7.7	797		
Machined	0.4	83		
Of non-alloy steel			(c)	(c)
In the rough	3.0	245 40		
Machined		363		
Other iron and steel manufactures, not elsewhere specified		1,181	1,104	821
THE REPORT OF THE PARTY OF THE PARTY.				

TABLE 10 (contd.)

Tesay to asis2	1948 Sa	(a) les	1937 (b) Production	1935 (b) Production
	Quantity	Value	Value	Value
	Th. tons	£'000	£1000	£'000
Manufactures of non-ferrous metals, not elsewhere specified				
Stampings and pressings	0.5	151	232	125
Other			bas cooldektossan galf	
Of brass		287	672	
Of other non-ferrous metals	1	141	239	511
Parts and accessories of motor vehicles and cycles		1,031	547	265
Principal products of the mechanical engineering trades	••	657	339	451
Other goods		656	351	255
Scrap metals sold			ieool bas do	Blading to Joyanna
Iron and steel	201.2	667	658 (197,600 tons)	378 (146,400 tons)
Brass	6.6	444	184 (5,800 tons)	60 (3,100 tons)
Copper	0.3	24	8 440 544	14
Other metals	1.4	36	14	6
Work done (d)		33	59	56
Total		9,919	5,844	3,930

⁽a) Great Britain only.
(b) United Kingdom.
(c) Included in Table 8: see Introductory Note.
(d) Amount charged in 1948 and amount received in 1937 and 1935.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE II

Sales (or transfers) to other organisations under the same control Froductive works Export sales organisations (including branches abroad) Other wholesale or selling organisations, and retail shops, etc. Total sales (or transfers) to other organisations and retail shops, etc. Total sales (or transfers) to other organisations under the same control Sales to independent buyers Exports invoiced directly overseas Exports invoiced directly overseas Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad His Majesty's Government and Local Authorities (other than productive establishments) Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Wholesalers, merchants and other agents for resale Other businesses (including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Unclassified Total sales to independent buyers Total Total sales to independent buyers Total	TABLE 114		
Sales (or transfers) to other organisations under the same control Productive works Export sales organisations (including branches abroad) Other wholesale or selling organisations, and retail shops, etc. Total sales (or transfers) to other organisations under the same control Sales to independent buyers Exports invoiced directly overseas Exports invoiced to Grown Agents and purchasing houses in this country of individual firms and governments abroad His Majesty's Government and Local Authorities (other than productive establishments) Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Retailers, including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Unclassified Total sales to independent buyers 75,930 96.4	(a) that (b) views to a (b) files (c) (c) that (c) (c) that (c)	Sales	of total
Export sales organisations (including branches abroad) Other wholesale or selling organisations, and retail shops, etc. Total sales (or transfers) to other organisations under the same control Sales to independent buyers Exports invoiced directly overseas Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad His Majesty's Government and Local Authorities (other than productive establishments) Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Other businesses (including multiple shops, caterers and N.A.A.F., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Unclassified Total sales to independent buyers 587 1,975 2.5 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2,851 3.6 2.5 3.6 Exports invoiced directly overseas 1,975 2.5 1,109 1.4 3.6 3.6 4.6		£1000	
other wholesale or selling organisations, and retail shops, etc. Total sales (or transfers) to other organisations under the same control Sales to independent buyers Exports invoiced directly overseas Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad His Majesty's Government and Local Authorities (other than productive establishments) Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Retailers, including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Total sales to independent buyers 50.7 1.00 1.40 1.082 1.41 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.082 1.46 1.08 1.46 1.08 1.46 1.08 1.46 1.08 1.46 1.48 1.46 1.48 1.49 1.49 1.41 1.4		1,974	2.5
Total sales (or transfers) to other organisations under the same control Sales to independent buyers Exports invoiced directly overseas Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments around His Majesty's Government and Local Authorities (other than productive establishments) Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Retailers, including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Total sales to independent buyers 1,08 1,08 4.6 3,643 4.6 3.6 2,851 3.6 1,975 2.5 1,415 1.8 4.8 5.1,899 6.5.2 4.9 6.5.2 4.9 6.5.2 4.9 6.5.2 6.5.2 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6		587	0.7
organisations under the same control Sales to independent buyers Exports invoiced directly overseas Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad His Majesty's Government and Local Authorities (other than productive establishments) Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Retailers, including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Total sales to independent buyers 2,851 3.6 2,851 3.6 3.6 4.6 3.6 5.8 5.9 5.9 5.9 5.9 5.9 5.9 5.9		1,082	1.4
Exports invoiced directly overseas Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad 1,975 1,975 2.5 His Majesty's Government and Local Authorities (other than productive establishments) Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Retailers, including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Total sales to independent buyers 2,851 3.6 2,851 3.6 1,975 2.5 1,415 1.8 4.415 1.8 4.415 1.8 4.415 1.8 4.415 1.8 4.415 1.8 4.415 1.8 4.415 1.8 4.415 1.8 4.415 1.8 4.415 1.8 4.415 1.8 4.415 4.410 1.9.5 4.410 1.0 7.6,930 9.5.4		3, 643	4.6
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad His Majesty's Government and Local Authorities (other than productive establishments) Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Retailers, including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Total sales to independent buyers 1,975 2.5 1,975 2.5 1,445 1.8 51,899 65,2 1,109 1.4 1.0 1.0 1.109 1.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Sales to independent buyers	period to entrest	Races and sensit
purchasing houses in this country of individual firms and governments abroad 1,975 2.5 His Majesty's Government and Local Authorities (other than productive establishments) 1,415 1.8 Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale 15,494(a) 19.5 Retailers, including multiple shops, caterers and N.A.A.F.I., for resale 1,109 1.4 Other businesses (including farmers) and institutions of all kinds Members of the public, including employees 97 0.1 Unclassified 787 1.0 Total sales to independent buyers	Exports invoiced directly overseas	2,851	3.6
Authorities (other than productive establishments) Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Retailers, including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Unclassified Total sales to independent buyers 1,415 1.8 1,415 1.8 1.415 1.8 1.415 1.8 2.8 2.9 2.1 2.9 2.9 2.1 2.9 2.9 2.9	purchasing houses in this country of	1,975	2.5
public utilities, and transport and other productive undertakings Wholesalers, merchants and other agents for resale Retailers, including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Total sales to independent buyers 51,899 65.2 15,494(a) 19.5 1.09 1.4 70.1 70.1 70.1 70.1	Authorities (other than productive	1,415	1.8
for resale Retailers, including multiple shops, caterers and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Unclassified Total sales to independent buyers 15,494(a) 19.5 1.109 1.4 0.4 1.709 1.4 1.00 787 1.00 75,930 95.4	public utilities, and transport and other	51,899	65.2
and N.A.A.F.I., for resale Other businesses (including farmers) and institutions of all kinds Members of the public, including employees Unclassified Total sales to independent buyers 1,109 1.4 303 0.4 75,930 97 1.0		15,494 (a)	19.5
institutions of all kinds Members of the public, including employees Unclassified Total sales to independent buyers 303 0.4 97 0.1 787 1.0 75,930 95.4		1,109	1.4
Unclassified 787 1.0 Total sales to independent buyers 75,930 95.4		303	0.4
Total sales to independent buyers 75,930 95.4	Members of the public, including employees	97	0.1
Total Balos to Independent Suyur	Unclassified	787	1.0
Total 79,573 100.0	Total sales to independent buyers	75,930	95.4
	Total	79,573	100.0

⁽a) Of this total \$9,992,000 was recorded as divided between \$3,622,000 for export and \$6,370,000 for other sales.

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

TABLE 12				
Becases Becases		Production (b) (c)	Exports (d)	Retained imports (c)
Iron and steel		Th. cwts.	Th. cwts.	Th. cwts.
Anchors and graphels and parts thereof	{ 1948 1937	83.8	60.9 47.7	0.4 50.4
Ships' stud-link chain cable	$\begin{cases} 1948 \\ 1937 \end{cases}$	363.4 272.8	125.4 70.3	18.1 12.5
Chains		18481		to reside
Jack chain (including mattress chain), mattress hooks and mattress links made of wire	1948	32.5	2.8	lateman freis
All other chains, (except transmission chains) including chain tackle (f)	{1948 1937	570.0(g) 321.3	138.7 106.4	14.2 40.2
Springs (excluding springs for small arms, locks, latches, clocks, watches, motor vehicles and musical instruments)				CHARLES AND CONTRACTOR
Laminated	{1948 1937	541.0(g)(h) 823.6	57.7 13.5	SERVICE REPORTS CONTROL OF THE PROPERTY OF THE
Upholstery and mattress springs (including spring seating and mattress interiors) (1)	{1948 1937	450.0(g) 409.6 £1000	44.5 21.1 £.000	0.1 17.3 & 1000
Other sorts	{1948 1937	4,048(h)(j) 902	234 81	12 10
Fencing material of cast or wrought iron (other than fencing wire)	{1948 1937	Th. cwts. 340.0(g) 1,110.0	Th. cwts. 62.5 85.4	Th. cwts. - 0.6
Nails, tacks and staples (other than wire nails, wire staples and insulated staples), including hob-		s seemen to see to consider the constant of th	SOLUMBINE TO B	Con accordant (b)
nails and boot and shoe studs and spikes	\begin{cases} 1948 \\ 1937	555.0(g) 796.7	150.8 124.8	5.5 30.5
Studs and spikes (other than railway spikes, boot and shoe studs and spikes and screw studs) and boot and		12077888 2017	ner ils tol sta estato exclude e entire estatos	the productions (d) (s country) see (190) four building (d)
shoe tips and protectors (other than protectors holed for fitting)	\begin{cases} 1948 \\ 1937	45.0(g) 48.0	32.4 33.6	0.3 0.3
Rivets (other than tubular rivets and bifurcated rivets manufactured from	,	Del mis arrangel ban	ABJES DEL TYSE SIGNADAR DEL TRE	to abstract and test
wire) and washers (other than washers assembled with bolts, etc.)(k)	\begin{cases} 1948 \\ 1937	1,730.0(g) 1,960.6(1)	187.2 258.5	103.3
Screws for wood, coach screws, screw hooks, screw rings and screw knobs	{1948 1937	£'000 2,590 913(m)	£!000 753 202	&'000 33 141

TABLE 12 (contd.)

Purchased materials and fuel Larger establishments

Retained

imports (e)

313

TABLE 13	1040	(0)	1077 /	h)	1.075	(b)
To test	1948		1937 (0)	1 935	(0)
CONT. DED CONTROL PARAMETERS TO SECURE	Material fuel pur		Usage of p	urchased :	materials and	d fuel
The Time Service on the control of the service of	Quantity	Cost	Quantity	Cost	Quantity	Cost
Carrier School Control Control	Th. tons	£'000	Th.tons	£'000	Th. tons	£' 00
faterials		101)				
Iron						
Bars and rods	. 31.7	912	69.9	790	500	
Wire	0.3	10	5.8	111	58.0	56
Other kinds	2.8	154	11,4	129	12.1	11
Steel			13000 p	00 00 TEL	in capture and	
Bars	512.0	13,097	1	4 601	eluine. no	
Wire rods	18.4	537	414.3	4,681	> 462.6	4,66
Wire Wire	137.4	4,772	97.0	1,637		14
Ingots, blooms, billets and slabs	147.9	3,657	220.6	2, 577	Donastonago,	980
Hoop and strip	19.2	720	24.9	359	18.3	1,6
Other kinds	64.7	1,317	85.4	819	Tendo Rev	
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver) (c)				Ann bes	a this tolde	ALA.
Rods, sections, shapes and angles	9.8	1,386	10.7	627	100	
Wire	6.2	1,028	5.4	389	12.8	6
Other kinds	1.4	237	1.7	125		
Packing materials		850		238		(
Consumable tools bought as replacement		929			0 12000 at	1
Replacement parts for firms' machinery		797		2,580		2,1 (e
All other purchased materials	••	4,983				,,
Fuel and electricity						
Coal	185.8	493	407.8	386	314.4	2
Coke	78.4	313 42	}	(d)	74.6	1

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Production (b) (c) Exports (d)

2'000 21000 21000 Iron and steel (contd.) Bolts, whether threaded or not, bolt ends, hexagon or square head set screws and screw studs, hexagon and square nuts whether tapped or not, and washers assembled with any of these articles (k) 1948 6.959 239 14 Bright (n) 1937 2,719 62 Black or metal coated (but not painted, japanned or otherwise coated, except with metal) 1948 10,371 762 All other kinds 1948 2,439 932 Other set screws, screw studs and screws for metal, nuts, and washers assembled with any of these articles (k) Black or metal coated (but not painted, japanned or otherwise coated, except with metal) 1948 68 902

(a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1937). All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

The oversea trade figures include transmission chains of malleable iron, but exclude chains made of

1,113

22,380(0)

7,227(p)

334

2,334

1948

1948

1937

Sales in 1948 and production for sale in 1937.

Total bolts, etc. and other

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

Valued f.o.b. Valued c.i.f.

All other kinds

set screws, etc.

wire. Partly estimated.

Excluding springs for all road vehicles. The figures for 1937 exclude spring seating.

Including unclassified springs (£762.000). The 1948 sales figures are exclusive of screw machine products so far as recorded separately.

Including tubular rivets.

Screws for wood only.

The figures for 1937 and retained imports for 1948 include all bright set screws, screw studs, screws for metal, nuts, and assembled washers.

Including unclassified sales.

(p) Including coach screws.

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

Larger establishments in Great Britain

TABLE 13 (contd.)

	-					
	1948 (a)	1937	(p)	1935	(b)
	Materials and fuel purchased		Usage of p	urchased m	materials and fuel	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th.B.T.U. (kW.hrs.)	£'000	Th.B.T.U. (kW.hrs.)	£1000	Th.B.T.U. (kW.hrs.)	£'000
Fuel and electricity (contd.)					(
Electricity purchased (f)						
8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1 5	8-	_		resa bas s	
From public supply	196,302	819	117,051	332	95 499	020
From other sources	1		3117,031	552	85,488	269
Electricity obtained from other works under the same cwnership	3,442	11)	1000	SECURE DE	
	Th.galls.					
Motor spirit (petrol) and derv.	3,668	186		(d)		(d)
	B Add			(4)	abor e	(4)
Other oil fuel (including creosote/ pitch mixtures)	18,043	677	14,075	256	12,410	208(
Gas purchased	Th. therms		ridada, brid	(g)	emesia wae	
	14,103	436				
From public supply	Th.cu.ft.	39				
From other sources	Th. therms	00		305	• •	(d)
Gas obtained from other works under	1,260	34	> -	Section 1995	24.5	
the same ownership	Th. cu. ft. 170,871	11	100000000000000000000000000000000000000	Mille Tea	Side House Religion	
All other purchased fuel	••	60		DILE IMIDI	12 50 1 1 5 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Total	10.5 B 30	39,211	eeigsa bo	16,341	engrades la	10,561

(a) Great Britain only.

(b) United Kingdom.

(c) All nickel alloys were excluded in 1937 and 1935.

(d) Not recorded separately.

(e) Including fuel not specified separately.

(f) The total quantity of electricity consumed in 1948 was 201,795,000 B.T. units including 2,052,000 generated in the same works.

(g) Described as "Heavy fuel oil".

- 1	R	1	F	1	11
	-			1000	

TABLE 14		distance approprie		
	At beginni	ng of year	At end	of year
	Quantity	Value	Quantity	Value
and a surface of the extra near the equal to the ed	Th. cwts.	£1000	Th. cwts.	£'000
Finished products				THE STATE OF
Of iron and steel				2,155
Springs and springing {	14.1	51 22	16.5	63 23
Rivets	35.6	50	31.2	46
Bolts, nuts, screws, etc., for metal				// _ **********************************
Bright	23. 1	124 97	27.2	153 151
Other	183.9	403 185	187.2	417 263
Steel forgings {	30.7	91 145	36.0	112 219
Other finished products		1,512	••	1,832
Work in progress	- 1000000	2,281		2,507
Unclassified		123		131
Total finished products and work in progress		5,082		5,916
Materials and fuel	Th. tons		Th. tons	
Iron bars and rods	4.8	123	4.8	128
Steel blooms, billets and slabs	40.3	872	43.2	1,031
Steel bars	85. 1	2,010	102.4	2, 614
Steel wire rods	2.9	77	3.0	94
Steel wire	16.4	613	20.7	788
Brass in all forms	4. 1	538 188	4.0	555 124
Other descriptions of materials and fuel		1, 680		2, 139
Unclassified	30.000	486	••	599
Total materials and fuel	and the second	6, 587		8,072

Larger establishments in Great Britain

Employment and remuneration (a)

Larger establishments

TABLE 15

			age numbe		Administrated and cleri	Administrative, technical and clerical employees (b)			Total		
1020	ono ja	1948(c)	1937 (d)	1935(d)	1948(c)	1937(d)	1935(4)	1948 (c)	1937 (d)	1935(d)	
Males		Carry								•	
Under 18		2,737	7,796	6, 161	238	449	339	2,975	8,245	6,500	
All ages		44, 520	41, 394	33,939	6,327	4, 133	3,795	50,847	45, 527	37,734	
Females											
Under 18	18.8	1,683	5,769	4,888	747	571	375	2,430	6,340	5, 263	
All ages		22,797	18,867	16, 256	4, 459	2, 225	1,851	27,256	21,092	18, 107	
Total	2.4		100	1 1 2 2					100		
Under 18		4, 420	13, 565	11,049	985	1,020	714	5, 405	14, 585	11,763	
All ages	- 3.5	67,317	60,261	50, 195	10,786(e)	6,358	5, 646	78,103 (e)(f)(g)	66,619	55,841	
	1, 10,000	£'000	BOL Sept		£' 000			£' 000	172013		
Total remune	ration	18,779	•••	••	4,762			23, 540	••		

(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

34 males

831 females

Other workers

226 males

128 females

Number at September 25, 1948, October 16, 1937, and October 12, 1935. Great Britain only.

Great Britain only.
United Kingdom.
There were, in addition, 144 working proprietors (138 males and 6 females) in 1948. Working proprietors are included in the 1937 and 1935 figures.
The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £594,000.
The following persons (included in this total) were employed on special work by establishments

Operatives

Administrative, technical and clerical employees

Transport of goods outside the premises

131

Maintenance and repair of firms' buildings, but not plant

252

Research work not directly connected with current production however charged

In addition to the employees in the above table the firms in this trade employed outworkers whose numbers (and remuneration in 1948) are set out below.

	Average nu	Total amount		
	Males	Females	Total	paid to outworkers
1948	182	509	691	£'000 108
1937	352	112	464	••
1935	359	117	476	

Total

Amount paid by all establishments making returns for the calendar year Amount paid by all establishments making returns for the calendar year Percentage of annual remuneration paid in First Second Third Fourth quarter quarter quarter quarter quarter 1000 £'000 Wages and salaries of	TABLE 16							
by all establishments Amount paid First Second quarter quarter quarter quarter quarter £'000 £'000 Wages and salaries of	- sted tuosas	Amount	Es	tablishments	making ret	urns for th	e calendar	year
establishments paid First Second Third Fourth quarter quarter quarter quarter Year £'000 £'000 Wages and salaries of	000.4		Amount	Pero	centage of a	nnual remun	eration pa	id in
Wages and salaries of	The Paper was the form	establish- paid					Year	
Operatives 19 770 0 055 07 0 04 7 04 0 07 0	Wages and salaries of	£' 000	£'000		894	JAN MAR	rentiacen i	onig 12
Administrative, technical and		18,779	9,855	23.9	24.7	24.2	27.2	100.0
clerical employees 4,762 2,578 24.4 24.7 24.6 26.3 100.0		4,762	2, 578	24.4	24.7	24.6	26.3	100.0

24.0

24.7

24.3

27.0

100.0

(a) Including bonus and commission payments.

23, 540

12, 432

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 £719,000.

Payments for certain services, 1948 Larger establishments in Great Britain

TABLE 18

rest repairs and to Latinat galact expensions of the calcader.	Amount paid
Al Clay delagantuver Laumie Societatival - 1 1 5180	£1000
Repair and maintenance	
Of buildings	289
Of plant, machinery and vehicles	646
Unclassified	281
Hire of plant, machinery and vehicles	65
Advertising and market research	paytoettolomoa bana isotopoat
Advertising in newspapers, magazines and periodicals	94
Other advertising services (poster display, despatch of circulars, etc.) and market research	25
Unclassified	137
Payments made for research work	
To research associations	17
To universities, institutions, academic bodies and similar agencies	3
To other commercial concerns	24
Postage, telephone, telegrams and cables	216
Commercial insurance premiums	223
Rates (excluding water rates) payable in the year	81

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

TABLE 19

	Acq	Disposals		
	New	Second-hand	210000015	
	£'000	£1000	2,000	
Plant and machinery	2,696	276	130	
Vehicles	202	58	45	
Total	2,898	334	175	

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

Larger establishments in Great Britain

TABLE 20

	nie e i ser i me i santa i santa de er	£'000	£'000
1.	Capital expenditure on building work (a)		577
2.	Existing buildings and land (b)		
	(1) Capital cost of freeholds bought	199	
	Estimated capital value of		
	(11) Pented property newly occupied in the year (c)	114	
	(111) Leasehold buildings and land newly occupied in the year	119	
	Total of heading 2		432
	Total of headings 1 and 2		1,009
3.	Existing buildings and land relinquished (d)		
	(1) Selling value of freeholds sold	18	
	(11) Estimated value of other properties relinquished	9	
	Total of heading 3	1900 SERVES 1905 31	27
4.	Headings 1 and 2 less heading 3		982

(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.

Summary

Larger establishments

TABLE 21

TABLE 21				
	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	73,394	1,577	6,311	81,282
Cost of materials and fuel used	33,462	724	3,542	37,727
Payment for work done on materials given out	662	6	50	719
Net output	39, 270	846	2,719	42,836
Wages and salaries of persons employed	21,399 No.	598 No.	1,543 No.	23,540 No.
Average number of persons employed (a) Net output per person employed (a)	70,772 £ 555	1,943 £ 436	5,532 £ 492	78, 247 £ 547
Stocks at end of year	£' 000	£'000	ี	£'000
Finished products and work in progress	5,324	201	391	5,916
Materials and fuel	7,325	199	548	8,072
Number of establishments	No. 586	No. 10	No. 44	No. 640

(a) Excluding outworkers.

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

The state of the s	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£1000
Output of firms in this trade		to time tead	contract to facts	
Total value of sales (see Table 23)	73,391	1,539	6,368	81,298
Adjustment for changes in stocks and work in progress	+ 717	+ 54	+ 62	+ 834
	74,108	1,594	6,430	82,132
Less payment for transport by other firms	714	17	119	850
Gross output (production)	73,394	1, 577	6,311	81,282
Materials and fuel used by firms in this trade	log saternors	CHE STREET		
Purchases (see Table 24)	34,864	665	3,683	39,211
Adjustment for changes in stocks	-1,402	+ 59	- 141	- 1,484
Materials and fuel used	33,462	724	3, 542	37,727

CHAIN, NAIL, SCREW AND MISCELLANEOUS FORGINGS COUNTRY TABLES

5/C/31

Summary

Small firms

TABLE 22

20012 Paromean Thirdes Control	England	Wales	Scotland	Great Britain
Number of returns	2, 241	219	1,737	3, 197
Average number of persons employed (a)				- 65380
Males	5,659	541	1,871	8,071
Females	451	39	103	593
Total	6,110	580	1,974	8,664

(a) Including working proprietors.

Sales in the trade

Larger establishments

-		-	-	-	-
	A	ĸ	-	2	3
28. S	-	•		-	•

TABLE 23	Large	r establi:	s nments	•		
	England a	nd Wales	Scotla	and	Great Bi	ritain
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products	Th. cwts.	£'000	Th.cwts.	£!000	Th.cwts.	£1000
Iron and steel		8.8				
Ships' stud-link chain cable				GRAD TIME 1		MATERIAL PROPERTY.
Of iron	218.6	716	e.m -	-	218.6	716
Of steel	e •• a	(a)		(a)	144.7	513
Shackles, forged or cast, for use with chain-cable, mooring, hauling or lifting gear; and other gear for use with chain-cable (e.g., swivel pieces, slips)	94 0	(a)		(a) {	67.3	272 111
Welded and forged chain, unstudded, of steel, electrically welded	Pagasana.	(a)	384	(a) {	78.3	343
Crane chains, wrought iron	84.3	409	-	-	84.3	137 409
		(0)		(2)	5.7	26
Crane chains, steel		(a)	••	(a) {	••	48
Anchors and grapnels and parts thereof Other chains, except transmission chains Welded and forged chain, unstudded, of iron, hand-made	•••	(a)		(a) {	237. 5	1, 021 425
Jack chain (including mattress chain), ma mattress hooks and mattress links made of wire						
Chain tackle						
Other)					
Springs						
For road vehicles, laminated	624.3	2,804	12.8	59	637• 1	2, 863
For small arms	0.7	12 5	} -	- {	0.7	12 5
	•			0		

TABLE 23 (contd.)

CONTROL OF THE PROPERTY OF THE PARTY OF THE	England-a	nd Wales	Scot1	land	Great Britain		
	Quantity	Value	Quantity	Value	Quantity	Value	
incipal products (contd.)	Th.cwts.	£1000	Th. cwts.	£'000	Th.cwts.	£!000	
Iron and steel (contd.)		100			67 ERROY 19		
Springs (contd.)			The second				
For ordnance	1. 2	42 16	} -	- {	1.2	42 16	
Laminated, other than for road vehicles					The second second		
For locomotives, carriages and wagons		(a)		(a)	305.4	907	
Other	1.9	8 3	-	- {	1.9	8 3	
Other springs		200		a de la composition della comp			
Upholstery and mattress springs (including spring seating and mattress interiors)		(a)		(a) {	231.9	1,460 439	
Valve, shock absorber and similar engine springs		(a)		(a) {	14.8	284 35	
All other descriptions of springs		(a)		(a) {	322.7	2,839 861	
Unclassified springs	3.7	106 194	} -	- {	3.7	106 194	
Springing	4.0	25 36	} -	- {	4.0	25 36	
Fencing material (other than fencing wire) of cast or wrought iron		400					
Standards		(a)		(a)	33.4	99	
Other sorts (i.e., gates, grilles, fences, trellis, etc.)	96.8	4 82 176	5.9	21 15	102.7	503 191	
Unclassified	6,0	24 17	} -	- {	6.0	24 17	
Shoe nails and rivets, hob nails, and boot and shoe studs and spikes, other than malleable cast		(a)			100 5		
		(a)		(a)	120.5	414	
Cut nails, tacks and other nails and staples, except wire nails and staples and insulated staples	242.2	719 17	135.0	279	377.1	999 17	
Rivets (b)							
Of ½ in. diameter and over	448.8	672	499.8	752	948.7	1,424	
Under ½ in. diameter		(a)		(a) {	144.4	418 52	
Unclassified		2				2	

TABLE 23 (contd.)

		Englan Wale	d and	1	Scot	land		Great Br	ritain
100000000000000000000000000000000000000	Quant	tity	Value	Qua	ntity	Value	Quan	tity	Value
erincipal products (contd.)			£!000			£,000	Th.c	wts.	£1000
Iron and steel (contd.)								olateres	
Washers (other than those assembled with bolts, etc.)		•	(a)		••	(a) {	202	.5	649 265
	Mill.	Th. cwts.					Mill.	Th. cwts.	
Tubular rivets	259	3.9	92 11	}	-	- {	259	3.9	92 11
	Th. cv	vts.					Th. c	wts.	
Studs and spikes (other than boot and shoe studs and spikes and screw studs)									
Boot and shoe tips and protectors (other than malleable cast tips and protectors and protectors holed for fitting)			(a)			(a)	32.	• 4	148 45
Horse shoes, sold unfitted	60.	.8	137		-	(828)	60	8	137
Frost cogs (horse shoe studs)	2.	.5	23		-	die teinder Sidhter	2	2.5	23
Grindery, not elsewhere specified	21	.6	113.	}	-	-	21	6	113
	Th. gross	Th. cwts.		Th. gross	Th. cwts.		Th. gross	Th. cwts.	
Screws for wood, coach screws screw hooks, screw rings and screw knobs	.,		(a)	••	• •	(a)	4, 149 32, 225	55.5	318 2,272
Bolts, whether threaded or not, bolt ends, hexagon or square head set screws and screw studs, hexagon and square nuts whether tapped or not, and washers assembled with any of these articles			107						
Bright	••		(a)		••	(a)	10,813	68.7	3,566 1,588 524 862
Black or metal coated (but not painted, japanned or { otherwise coated, except { with metal)	4,818 5,727	754.4 1, 287.2	2,722 1,768 3,977	-	0.1	1,603	4, 818 5, 727	754.5	2,723 1,768 5,580
All other kinds	••	••	(a)		••	(a) <	1,317 534	108.6	881 187 1, 315
Unclassified {	215	7.3	49 4 40 166	} -	_	9890 000	215	7.3	49 40 166
Unclassified									

TABLE 23 (contd.)

AND THE STREET STREET		nd and les	Scot	land	Great	Britain
	Quantity	Value	Quantity	Value	Quantity	Value
rincipal products (contd.)	207 .007 2700 88035	£'000	182 183 2735 3803	£'000	Th. Th. gross cwts.	£'000
Iron and steel (contd.)						
Other set screws, screw studs and screws for metal, nuts, and washers assembled with any of these articles			ner sen	A SALO	IA ASSIDE TO THE SECOND TO	
Black or metal coated (but			200	140700 12	tion wat it was not	
not painted, japanned or otherwise coated, except with metal)		(a)	•	(a)	1,075 5,089 13.8	132 528 63 131
All other kinds	••	(a)	***	(a) {	7,919 84.7 1,422 35.4	624 155 133
	Th.cwts.			A SEE NO SEE N	Th. cwts.	192
Hooks, fasteners and shackles, not elsewhere specified				2-5-0	THE CWOS	
Fasteners for machinery { belting	28.9	394 161	7,00	- {	28.9	394 161
Other descriptions	••	(a)	••	(a)	4. 4	98 30
Saddlery hardware, not elsewhere specified		97	_	-	doo to payed	97
Moulders' chaplets (c)		(a)		(a)	(a) esevir au	69
Forgings, not elsewhere specified				10-211	ing and aplin	
Iron				127	w artistat bus	
In the rough	••	(a)	••	(a) {	8.7	49 13
Machined	••	(a)		(a)	8.2	37
Steel, drop forgings		160			1013 00	e de sé
Of alloy steel		(a)		(a)	1,543.6	8, 584
Of non-alloy steel		750 an		35300	e present of	
In the rough		(a)		(a)	1,744.8	7,777
Machined	141.4	835		teres in the	141.4	835
Unclassified		(a)		(a)	95.3	500
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver)			THE SECOND		TREATMENT COM	
Nails and tacks	••	(a)		(a) {	7.5	93 23
Rivets, washers, bolts and nuts		(a)	1,000,000	(a) {	49.5	961 919

TABLE 23 (contd.)

TABLE 25 (Contain)	Engl	Land ar	nd Wales			Scotl	and		1 0	reat B	ritain
	Quant	tity	Value		Quan	tity	Value			tity	Value
	Th.	Th.	£'000		Th.	Th.	£'000		Th.	Th.	£' 000
Principal products (contd.)	gross	cwts.			gross	cwts.			gross	cwts	istrating.
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver) (contd.)											15.00%1 155700 14.0 kg/kg
Screws for wood, coach screws, screw hooks, screw rings and screw knobs	465 115	3.0	76 44 693	descriptions of the second second second	} -	-		{	465 115	3.0	76 44 693
Screws for metal (c)	Th.	 ewts.	(a)		•••	••	(a)	{	1,997	4.1	176 74
Springs (c)			(a)				(a)	{	Th. cr 2.		113 22
Copper nails, tacks, bolts, nuts, screws, rivets and washers	•••		(a)		•••		(a)	{	22.		289 145
Screw machine products (e.g., turned screws, rivets, washers) (c)						93 ga/					
Of copper			5		_		_			•	5
Of other metals	60.3		1,364 1,877		} -		(27 <u>0</u> 14)	1	60.	The second state of the second	1,364 1,877
Other screws, nuts, bolts, nails, etc., not of iron, steel, brass or copper (c)			33		-		- //	-	Taday.	osan da os ve	33
Aluminium rivets (c)	3. 2		105 133		} -		-	{	3.		105 133
Taper pins and split pins of all metals (c)			(a)			and the second s	(a)	{	15.	The state of the s	178 121
General and jobbing work (including horse shoeing and other blacksmiths' work) (d)			751	The second secon			138				889
Work done for the trade or on commission (d)			(9)								
Chain making			(a)				(a)				2
Other			773				28				801
Total principal products			65,634				5,745		- No.1.1	arabat.	71,379
Other output			l (a)						Th. to	nns	
Manufactures of iron and steel			-						111.00	JIIS	
Wire nails and tacks (including staples other than insulated)			(a)				(a)		5. 1	858(2	208
Tools and implements	Th. do	Z.						and benefits the control of the cont	Th.do	oz.	
Spanners and wrenches	132		164 89		}		/-	{	132	A CONTRACTOR OF THE PARTY OF TH	164 89
Other, excluding engineers' small tools	Th to		(a)		(D)		(a)		m)- +-		679
Railway material (including axles, tyres and wheels)	Th. tor 10.6	15	570 121		Th. to	ons	105	1	Th. to	3	675 121
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TABLE 23 (contd.)

	England ar	nd Wales	Scot	land	Great	Britain
	Quantity	Value	Quantity	Value	Quantity	Value
ther output (contd.)	Th. tons	£1000	Th. tons	£'000	Th. tons	£'000
Manufactures of iron and steel (contd.)						
Stampings and pressings {	5.5	603 109	} -	- {	5.5	603
Builders' ironmongery	.0.8	67 35	1. 3	72 3	2.1	139 38
Bolts, hasps and hinges, blanks and parts therefor	0.7	70	-	_	0.7	70
Fabricated iron and steel	-••	63		3		66
Wire mattresses		(a)		(a) {	0.5	47 75
Steel forgings, other than drop forgings		1992	1		•	75
Of alloy steel						
In the rough	7.7	797	-	-	7.7	797
Machined	0.4	83	-	-	0.4	83
Of non-alloy steel						
In the rough	••	(a)		(a) {	3.0	24.5 40
Machined		(a)		(a)		363
Other iron and steel manu- factures, not elsewhere		7.00				
specified Manufactures of non-ferrous	••	1, 166		14	••	1, 181
metals, not elsewhere specified			1 1 100			
Stampings and pressings	0.5	151	-	-	0.5	151
Other				i smile		
Of brass		(a)		(a)	••	287
Of other non-ferrous metals		141	-	-	••	141
Parts and accessories of motor vehicles and cycles		1,031	-		is was some	1,031
Principal products of the		(0)	1	(4)		
mechanical engineering trades		(a)	1	(a)	••	657
Other goods	••	639		17	20000	656
Scrap metals sold	175.0	577	00.0			
Iron and steel	175.0	576	26. 2	90	201.2	667
Brass	6.4	435	0.2	9	6.6	444
Copper	4.7	(a)	••	(a)	0.3	24
Other metals	1.3	31	0.1	5	1. 4	36
Work done (d)		33			No. of the last of	33
Total		74,930		6, 368		81,298

 ⁽a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.
 (b) Excluding shoe rivets, tubular rivets and bifurcated rivets manufactured from wire.
 (c) So far as recorded separately.
 (d) Amount charged.

Purchased materials and fuel Larger establishments

TABLE 24

0.3 2.8 426.2 	(a) 10 153 11, 264 (a) 4, 522 (a)	Quantity Th. tons	Cost	Quantity Th. tons 31.7 0.3 2.8 512.0 18.4 137.4	Cost £'000 912 10 154 13,097
0.3 2.8 426.2 	(a) 10 153 11, 264 (a) 4, 522	85.8	(a) - 1 1,833 (a)	31.7 0.3 2.8 512.0 18.4	912 10 154 13,097 537
0.3 2.8 426.2 	10 153 11, 264 (a) 4, 522	85.8	1 1,833 (a)	0.3 2.8 512.0 18.4	10 154 13,097 537
0.3 2.8 426.2 	10 153 11, 264 (a) 4, 522	85.8	1 1,833 (a)	0.3 2.8 512.0 18.4	10 154 13,097 537
0.3 2.8 426.2 	10 153 11, 264 (a) 4, 522	85.8	1 1,833 (a)	0.3 2.8 512.0 18.4	10 154 13,097 537
2.8 426.2 128.7	153 11, 264 (a) 4, 522	••	1,833 (a)	2.8 512.0 18.4	154 13,097 537
426.2 •• 128.7	11, 264 (a) 4, 522	••	1,833 (a)	512.0 18.4	13 , 097
 128.7	(a) 4,522	••	(a)	18. 4	537
 128.7	(a) 4,522	••	(a)	18. 4	537
128.7	4, 522				
**	(a)	8.7	250	137. 4	
	(a)				4,772
	(a)			Dark.	
19.0		••	(a)	147.9	3, 657
	715	0.2	6	19.2	720
49.1	1,097 611	15.6	220 92	64.7	1, 317 704
			NEATED ALI	22 AND 18	
				asl 16123-308	
9.4	1, 333	0.4	53	9.8	1, 386
	(a)		(a)	6.2	1,028
••	(a)		(a)	1. 4	237
2.00	715	0.871	135	18018	850
	842	•••	87	• •	929
	30			75-55701	270 b 270 b
••		••		••	797
••	4, 652	••	331	••	4,983
Ville er	SIGNATURE CONTRACTOR	ismoini lo i	rycolpels t	100 mm (100 mm)	
49.0	399	36.8	95	185.8	493
73.2	293 41	5. 2	20	78.4	313 42
	49.0	(a) (a) 715 842 712 4,652	9.4 1,333 0.4 (a) (a) 715 842 712 4,652 49.0 399 36.8 73.2 293 5.2	9.4 1,333 0.4 53 (a) (a) (a) (a) 715 135 842 87 712 85 4,652 331 49.0 399 36.8 95 73.2 293 5.2 20	9.4 1,333 0.4 53 9.8 .

TABLE 24 (contd.)

TABLE 24 (Contas)						
	England an	nd Wales	Scotl.	and	Great	Britain
,	Quantity	Cost	Quantity	Cost	Quantity	Cost
Fuel and electricity (contd.)	Th.B.T.U. (kW.hrs.)	£' 000	Th. B. T. U. (kW. hrs.)	£' 000	Th. B. T. U. (kW. hrs.)	£'000
Electricity purchased (b)						
From public supply	177, 193	747	19,110	71	196, 302	819
From other sources	7.110	11			3,442	11
Electricity obtained from other works under the same ownership	3,442	11		-	O, 442	11
Motor spirit (petrol) and	Th. galls.		Th. galls.		Th.galls.	
derv. fuel	3, 618	181	50	5	3, 668	186
Other oil fuel (including creosote/pitch mixtures)	15,872	599	2, 171	78	18,043	677
Gas purchased	Th. therms		Th. therms		Th. therms	
From public supply	12, 621 Th. cu. ft. 304, 038	402	1,482 Th.cu.ft. 2,577	34	14, 103 Th.cu.ft. 306, 615	43 6
From other sources					330,010	
Trom odior boaroos	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(a)	••	(a)	Th. therms 1, 260 Th. cu. ft. 170,871	34 11
Gas obtained from other works under the same ownership		,				
All other purchased fuel	••	43	••	17	••	60
- Total		35, 529		3, 683		39, 211

⁽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 Great Britain was 201,795,000 B.T. units including 2,052,000 generated in the same works. Owing to the risk of disclosure of information relating to individual firms separate figures for England and Wales and for Scotland cannot be given.

Employment and remuneration Larger establishments

TABLE 25

TABLE 25									
	Englan	d and Wales			Scotland		G	reat 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									
Under 18	2,429	212	2,641	308	26	334	2,737	238	2,975
All ages	41,042	5,975	47,017	3, 478	352	3, 830	44,520	6,327	50,847
Females								ka dadibi b	
Under 18	1,561	700	2,261	122	47	169	1,683	747	2, 430
All ages	21,336	4, 241	25, 577	1,461	218	1,679	22,797	4,459	27,256
Total									
Under 18	3, 990	912	4,902	430	73	503	4,420	985	5,405
All ages	62,378	10,216(b)	72,594 (b) (c)	4, 939	570 (b)	5,509 (b)(c)	67,317	10,786(b)	78,103 (b)(c)
	£1000	٤١٥٥٥	£'000	£1000	£'000	£'000	£'000	£'000	2'000
Total remuneration	17, 490	4,507	21,997	1,289	255	1,543	18,779	4,762	23,540

Number at September 25, 1948.
There were, in addition, 144 working proprietors (138 males and 6 females) in Great Britain; 116 males and 5 females in England and Wales, and 22 males and 1 female in Scotland.
The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £594,000; £553,000 for England and Wales and £42,000 for Scotland.

In addition to the employees in the above table the firms in this trade in England and Wales employed 182 male and 509 female outworkers, the amount paid to them being £108,000. No outworkers were recorded for Scotland.

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

TABLE 26

	Mon	nthly index ((a)	an interest to 7	Moi	nthly index	(a)
Month	Month England Scotland Great Britain		Month	England and Wales	Scotland	Great Britain	
1948				1948			
January	98.3	98.1	98. 3	August	99.5	98.8	99.4
February	99.3	98.4	99.2	September	99.7	99.6	99.7
March	99.5	97.8	99.3	October	100.9	101.2	100.9
April	100.0	99. 9	100.0	November	101.5	102.3	101.6
May	100.2	101.2	100.3	December	101.1	102.3	101.2
June	100.3	101.0	100.4	Percentage			
July	99.8	99.3	99.7	employment in this trade covered by the			
				. index	51.6	70.4	53.0

⁽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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