

BOARD OF TRADE

THE REPORT on the CENSUS OF PRODUCTION

FOR 1951

Volume 5

Trade J

JEWELLERY AND PLATE

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).

LONDON: HER MAJESTY'S STATIONERY OFFICE

1954

TWO SHILLINGS NET

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* Not applicable to this trade

JEWELLERY AND PLATE TRADE

THIS REPORT on the Jewellery and Plate Trade relates to establishments engaged wholly or mainly in the cutting and polishing of precious stones and the manufacture of jewellery, coins, medals, tableware and ornaments of gold, silver, pewter, gold or silver plate, etc. The Royal Mint is included for post-war years.

This trade is included in minimum list heading 102 in the Standard Industrial Classification.

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

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.

Summary

Larger establishments (a)

TABLE 1

	Ur	nited Kingdo	m	Great E	Britain	Uni ted	Kingdom
	1951	1950	19 49	1949(b)	19 48	19 37	1935
	£.000	£,000	£,000	£, 000	£,000	£,000	£,000
Gross output (production) (c)	22,599	19,566	18,589	••	19,601	10,147	9,194
Cost of materials and fuel used (d)	10,821	9,263	8,326		9,019	4,856	4,396
Cayment for work done on materials given out	503	414	415		425	165	181
Excise duty	2	3	4	••,	1		
Transport payments (e)	91		••		• •	••	
Net output	11,182	9,885	9,844		10,156	5,126	4,617
Wages and salaries of persons employed	6,201	6,098	5,927		6,080		
Average number of persons employed (f)	No. 19,005	No. 20,179	No. 20,125	No.	No. 20,283	No. 25,545	No. 25, 587
Net output per person employed (f)	£ 588	£ 490	£ 489	£	£ 501	£ 201	£ 180
is a linear bequience a research a court	£,000	£'000	£,000	£, 000	£,000	£,000	£, 000
Stocks at end of year		TO STATE OF			100 20 10		
Products on hand for sale and work in progress	3.074 2.763	2,980 2,545	2,847	ANTONI SER	2,732 2,167		
Materials and fuel	No. 356	No. 366	No. 358	No.	No.350	No.	No.458

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

	£,000	£. 000	£,000	£,000	£,000	£,000	£,000
Output of firms in this trade (g)						le le	
Principal products (h) Other output (i)	21,553 884	19,489	18,523	{	18.351 822	9,719 428	8.957 237
Changes in stocks and work in progress (j)	+ 162	+ 148	+ 138		+ 464		
	22,599	19,637	18,661		19,638	10,147	9,194
Less payment for transport outwards (e)	••	71	72		37		
Gross output (production)	22,599	19.566	18,589		19,601	10,147	9,194
Materials and fuel used by firms in this trade							
Purchases Changes in stocks (j)	11.095	9,713	+ 8,223		9,088	4,856	4, 396
Materials and fuel used	10,821	9,263	8,326		9.019	4,856	4,396

(a) For small firms' summary see Table 2.

(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate

particulars for Great Britain comnot be given.

(c) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.

(d) Amounts paid for delivery services are excluded for 1951 but included for other years.

(e) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.

(f) Excluding outworkers but including working proprietors. For an estimate of the total number of persons

employed in this trade see Table 3.

(g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).

(h) For details for 1951 and 1948 see Table 8.

(i) For details for 1951 and 1948 see Table 10.

(j) For details for 1951 see Table 21.

(19109-1)

JEWELLERY AND PLATE

Summary

Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Br	itain
	1951	1950	1949	19 49	19 48
Number of returns	707	664	754	752	692
Average number of persons employed (b) Males Females	2,404	2,271 871	2,535 889	2,528 888	2.501 912
Total	3,404	3,142	3, 424	3,416	3,413

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1951 or 1950.

(b) Including working proprietors.

Estimated average employment (a)

All firms

TABLE 3

5/J/3

	Un	ited Kingdom	Internation (Spring	Great E	Britain
140 L 19 L 19 L 182 L 182 AND	1951	1950	1949	1949	19 48
As returned by firms					FOREST PROPERTY.
Employing on the average more than ten persons (b)	19,005	20,179	20,125	(c)	20.283
Employing on the average ten or fewer persons (d)	3,404(e)	3,142(e)	3,424	3,416	3,413
	22,409	23,321	23,549	(c)	23,696
Estimated average employment in firms not making satisfactory returns	211	290	306	(c)	58 3
Estimated average employment in all firms	22.620(e)	23,611(e)	23,855	(c)	24,279

(a) Including working proprietors.(b) See Tables 13 (iv) and 14.

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(e) Excluding any small firms in Northern Ireland.

Analysis by size, 1951

Larger establishments in the United Kingdom

TABLE 4

					1	Remuneration		
Average number employed	Establish- ments	Gross ou tpu t	Net output	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
Water States	No.	£' 000	£'000	No.	£ '000	£'000	£,000	£
11 - 24	150	2,872	1.433	2,631	663	206	869	545
25 - 49	115	5,917	2.315	3.846	995	354	1.348	602
50 - 99	50	4,435	1,974	3.517	895	265	1,159	561
100 - 199	23	2,845	1,637	3,245	773	245	1,018	504
200 - 299	11	2.506	1,399	2,623	607	153	760	
300 - 399	3	795	489	1.047	258	72	330	533
400 - 749	4	3,230	1,936	2.096	578	139	717	467 924
Total	356	22,599	11,182	19,005	4,769	1,432	6,201	588

(a) Administrative, technical and clerical employees.

(19105-1)

Analysis by standard region, 1951 Larger establishments in the United Kingdom

TABLE 5

			Net ou	tput		R	emuneration		Not output
Region	Estab- lish- ments	Gross ou tpu t	Value	Percent- age of total	Persons employed	Operatives	Other employees (a)	Total	£ 505 258 849 594 621 591
AND THE COURSE OF THE PARTY OF	No.	£,000	£.000		No.	£,000	£, 0,00	£.000	£
England	13445		100 St 100						
East and West Ridings	66	5,760	3,169	28.3	6,273	1,498	333	1,831	50 5
North Midland: and Eastern	3	40	21	0.2	83	13	3	16	2 58
London and South Eastern	97	6.777	2,532	22.6	2,983	917	303	1,219	
Sou the rn	7	430	166	1.5	280	95	14	109	
South Western	3	120	81	0.7	131	29	6	36	
Midland	167	8.773	4,835	43.2	8,184	2.022	722	2.745	
North Western	7	296	157	1.4	334	59	22	81	471
Northern	-		-	-	• 100				
Total England	350	22,197	10,962	98.0	18,268	4,634	1,402	6,036	600
Wales	3	292	157	1.4	504	90	19	109	311
Scotland and Northern Ireland	3	110	64	0.6	233	45	10	56	273
United Kingdom	3 56	22,599	11,182	100.0	19,005	4,769	1,432	6,201	588

⁽a) Administrative, technical and clerical employees.

TABLE 6 - Analysis according to specialisation within the trade, 1951

Larger establishments in the United Kingdom

No specialisation within this trade was distinguished.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

Sales of the principal products of the trade, including sales of these products by establishments classified to other trades Larger establishments

TA	DI	-	
IA	вп	. H.	- >

	Unit	ted Kingdom 1951		Great B 194	
	Quantity	Value	Entries	Quan ti ty	Value
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Th.ozs.troy	£.000 °	No.	Th.ozs.troy	£, 000
Jewellery, gem set or not					
Of gold and/or platinum	53.6	1,942	80 {	60-1	890 692
Of silver and/or silver gilt	172.7	310 286	55 {	117.2	84 171
Of other metals		2,212	64		1.365
Unclassi fied	••	203	13	••	488
Total jewellery		5. 46 4			3,689
Gold and silver thread, lace and braid	•••	376	11	••	124
Other goldsmiths' and silversmiths' wares, except watch cases		l alle irel	mayen)	may beened freely and a size	o La linka aya
Of gold and/or platinum	7.4	92 62	30	1,192.0	999
Of silver, gilt or ungilt	1.017.2	869 119	77	•••	280
Of electroplate or of metals other than gold, platinum, silver or pewter	Th.gross			Th.gross	
Spoons and forks					and the
Plated with silver	115.7	1,565	82	68.7	919
Plated with base metals	135.4	730 108	45	127.8	804
Other (except stainless steel) (a)	131.0	705 92	62	113.7	478
Unclassified	-		and there is	36.7	234
Knives, complete with blades (a)	30.9	696	61		714 (b
Other goods					
Of silverplate on nickel silver		1,880	73		3,582
Of other metals, except pewter		1,697	63		0,002
Unclassified	· · · · · · · · · · · · · · · · · · ·	561	20		512
Total other goldsmiths' and silversmiths' wares		9,176			8,522
ewterware		1 58	20		169
recious and semi-precious stones and pearls cut or otherwise worked	167 348 640 161	2.754	19	AND THE YEAR	2,563
ighters, mechanical, complete (with or without flint) (c)	Gross 66.3	24	} 5	Gross 8.2	7

	Unit	ed Kingdom 1951		Great Br 1948	itain
	Quantity	Value	Entries	Quantity	Value
	Th.ozs.troy	£.000	No.	Th.ozs.troy	£, 000
Stampings, findings and other semi-processed goods	2414 22/16/2006		Comment of the second	action were 1	
Of precious metals	. Constitution				
Gold	131.3	1,684	10	164.1	281
Silver and/or platinum	39.1	28 5	} 12	} { "	19
Of other metals	Th.gross			Th.gross	
Blanks for spoons or forks	176.6	486 93	16	239.4	412
Other		403	27		400
The state of the s				Th.cwts.	
Coinage (d)		715		68.6	1.126
In cupro-nickel	Andrew bereiter	453	••	14.2	452
In brass	Barrie Committee	749	•••	17.5	254
Other and unclassified	1	/43	in heditary:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	enceso a regional
Synthetic jewels (for watch, instrument, etc. trades) (d)		47		-	U. 15
Imitation pearls and imitation pearl products (necklets, earrings, etc.) (d)		223	7		12:
Waste products	Th.ozs.troy			Th.ozs.troy	
	391.0	247	117	817.3	27
Precious metals	1	63	PY	a week	13:
Other		185	96	• • 655 9/1.	166
Total goods and waste products		23,333	••	Spots dist	18,75
Repair work on customers' goods, including remounting and mounting of loose stones (e)	i nant	702	147	mis a here reason	578
Work done for the trade or on commission (e)		# <u></u>			614
Plating or finishing of plated goods		57 5 18	57		61.
Cutting of precious stones		18	23		169
Other work			23		
Total work done		1,420	••		1,360
To tal		24.753	••		20,12
Sales in other trades (see Table 9)		3,200	45.50	en kumantan stamb	1.77
Principal products of this trade sold by establishments in the trade	106	21,553	343	###### ## ############################	18,35

(a) Silversmiths' wares. For output by other firms see the Cutlery Trade (Volume 5, Trade B).

Sales of principal products of the trade by establishments classified to other trades

Larger establishments

TABLE 9

	Uni	ted Kingdom 1951		Great B 194	
	Quantity	Value	Entries	Quantity	Value
The state of the s	Th.ozs. troy	£,000	No.		£, 000
Jewellery, gem set or not		158	5	Summer of the state of	79
Gold and silver thread, lace and braid	-	-	-		Appendix and services
Other goldsmiths' and silversmiths' wares, except watch cases					9 999 8991
Of gold and/or platinum		a mediata de po <u>-</u> una como a			628 (a)
Of silver, gilt or ungilt	3.3	2		1,200,000,000	disposantia (12.9%)
Of electroplate or metals other than gold, platinum, silver or pewter	Th.gross			Th.gross	
Spoons and forks					Commence of the Commence of th
Plated with base metals	36.4	213 49	22	38.7	311
Plated with silver	22.2	296	32		
Other (except stainless steel)	26.3	181 65	32	4.3	29
Unclassified	Signabon-6	-500000	-1	36.7	234
Knives, complete with blades	1.3	32	26	1	AND COLD
Other goods					
Of silverplate on nickel silver		30			97
Of other metals, except pewter		78			
Unclassi fied	•••	19	8	and the same and a	13
Pewterware		6			3
Stampings, findings, and other semi-processed goods	Th.ozs.troy		******	Th.ozs.troy	
Of precious metals	122.3	1,597 5	} {	22.9	18
Of other metals		51			47
Coinage: and synthetic jewels (for watch, instrument, etc. trades)		171			_ (b)
Waste products	The second secon				
Precious metals	2 A 2 1 3 3 5	ğ (10 . 2) (10.		66.6	34 95
Other	· 图 · · · · · · · · · · · · · · · · · ·	14	1	the same same .	-
ork done for the trade or on commission (c)					
Plating or finishing of plated goods	a pagnat group	227	22		177
Other, except the cutting of precious stones	THE WEST ASSESSED.	7	,	d. Carrie v. Co	4
Total	Tenena arangoara	3,200		3 13 13 12 1 ₄ 1	1,770

(a) Including metals, badges and masonic regalia of other than precious metals; and coinage.(b) Excluding coinage.(c) Amount charged.

⁽b) Including parts.
(c) Of precious metals. For other mechanical lighters, see the Hardware, Hollow-ware, Metal Furniture and Sheet Metal Trades (Volume 5, Trade E) and the Plastic Goods and Fancy Articles Trade (Volume 11, Trade I).
(d) So far as recorded separately.
(e) Amount charged.

Sales in the trade of other than principal products Larger establishments

TABLE 10

99000	United Kingdom 1951		Great B	
	Quantity	Value	Quantity	Value
		£, 000		£'000
Cutlery and parts thereof (other than silversmiths' wares)		243		163
Cases for jewellery, cutlery, etc.	5,222,000	91 23		37 69
dardware and hollow-ware of metal Metal smallwares (buttons, buckles, needles, etc.)	Ether an outst	53		79
Other goods		399 76(a)	seed though a	47 4
Total		884	Charles Co.	822

(a) Amount charged.

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

		Production (b)(c)	Exports (d)	Retained imports (e)
We want of the second	3 7 98	£,000	£, 000	£,000
Jewellery, gem set or not				eroldrevike in
	1951	2,453	421	292
Of gold and/or platinum	1948	1,582	388	110
or gord data or practing	1937	2,802	5	38
	(1951	596	77	33
Of silver and/or silver gilt	19 48	255	41	10
Of Bilver did of Bilver girt	1937	161	8	61
	(1951	2,212	127	1,485
Of other metals	1948	1,365	149	227
Of other metals	1937	618	14	979
	(1951	5, 464 (f)	625	1,810
Total jewellery, gem set or not	19 48	3,689 (f)	578	347
fordi jewellery, dem set of not	1937	3,664 (f)	27	1,077
a light of electroplete or of	(1951	3,309 (g)	1,165	41
Spoons and forks of electroplate or of metals other than gold, platinum, silver	19 48	2,549 (g)	1,097	6
or pewter	1937	1,090 (g)	226	32

(a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). All recorded exports from and imports into the United Kingdom are given in the Table. The figures, therefore, are not strictly comparable.
(b) Sales in 1951 and 1948, and production for sale in 1937.
(c) Including production (or sales) by establishments classified to other trades.
(d) Valued f.o.b.
(e) Valued c.i.f.
(f) Including £203,000 in 1951, £488,000 in 1948 and £83,000 in 1937 of unclassified jewellery.
(g) Including production (or sales) of stainless steel spoons and forks (£109,000 in 1951, £114,000 in 1948 and £95,000 in 1937) for which see the Cutlery Trade (Volume 5, Trade B).

Usage of certain specified purchased materials, 1951 Larger establishments in the United Kingdom

TABLE 12

Materials used	Quan ti ty
	Th.cwts.
Non-ferrous metals in all forms, except finished parts and scrap	
Brass and other copper alloys, including nickel silver but	
excluding all other nickel alloys	52.1
Copper	50.1
Nickel and nickel alloys, other than nickel silver	10.5
Zinc and Zinc alloys	8.4
Zinc compounds	0.1
Steel wire	0.9

TABLE 13
(i) Operatives

Employment in September Larger establishments (a)

	United Kingdom			Great I	Britain	United Kingdom	
	1951(b)	19 50 (b)	1949 (b)	1949(b)(c)	1948(d)	1937 (d)	1935(d)
Males				C CONTACTOR			
Under 18	562	622	669		682	1,281	1,302
All ages	8,193	8,744	8,959	· · · · · · · · · · · · · · · · · · ·	9,757	10,758	10.719
Females					0,,0,	10,730	10,715
Under 18	765	906	894		965	2,834	0 715
All ages	7,870	8,525	8.181		7.724		2.715
THE RESERVE OF THE PARTY OF THE	7,070	0,020	0,101	••	1,124	10,524	10,601
Total	3000000	Paners T.	1-124	g 188 mot Lot			
Under 18	1,327	1,528	1,563		1.647	4,115	4 017
All ages	16,063	17,269	17,140	16 SE 11 10 10 10 10 10 10 10 10 10 10 10 10	17,481	21, 282	4,017

(ii) Administrative, technical and clerical employees (e)

	Number
ited	Kingdom

	Un	ited Kingdom		Great Britain		United Kingdom	
	1951	1950	19 49	1949(c)	1948	1937	1935
Males Under 18 All ages Females	14 1,480	17 1,482	33 1,538	1368 • · · · · · · · · · · · · · · · · · ·	15 1,433	105 2,102	113 2,164
Under 18 All ages	178 1,341	176 1,360	166 1,340	:	175 1,262	504 2,161	404 2,103
Total Under 18 All ages	192 2,821(f)	193 2,842(f)	199 2,878(f)	& hear of	190 2.695(f)	609 4,263	517 4,267

(continued overleaf)

JEWELLERY AND PLATE

TABLE 13 (contd.)

Number

	U	United Kingdom		Great Britain		United Kingdom	
	1951	1950	19 49	1949(c)	19 48	1937	1935
Mal es	570	6 39	702	Amorti (Ma)	697	1.386	1,415
Under 18 All ages	576 9,673	10,226	10,497		11,190	12.860	12,883
Females	943	1.082	1,060		1,140	3.338	3,119
Under 18 All ages	9,211	9.885	9,521	a a late of office	8,986	12,685	12,704
Total	1,519	1,721	1,762		1,837	4,724	4, 534
Under 18 All ages	18.884(f)	20.111(f)	20,018(f)	one Almoi I	20,176(f)	25, 545	25, 587

(a) Excluded employees. The following persons were employed at the larger establishments in this trade in 1951 but are not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchanting and in Northern Ireland canteen and welfare workers):-

Canteen workers 5 Males 127 Females Other workers 97 Males 83 Females

(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain comnot be given.

(d) Average for the year.
(e) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16,

1937, and October 12, 1935.

(f) Working proprietors. In addition working proprietors, shown in Table 13 (iv) below, were engaged in this trade in larger establishments. The 1937 and 1935 figures include working proprietors.

(iv) Working proprietors

Number

Alegan China	United Kingdom			Great Britain	
	1951	1950	1949	19 49	1948
Males	83	91	102		102
Females	8	8	8	••	5
Total	91	99	110	622 • •	107

Average employment

Larger establishments (a)

Number

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(ы)	1948	19 37	1935
Operatives	16,121	17,278	17,214		17,481	21,282	21,320
Administrative, technical and clerical employees	2.793	2,802	2,801	es la bos la	2,695(c)	4,263(c)	4,267(c)
Total	18,914	20,080	20,015		20,176	25,545	25, 587

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 2.

(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate

particulars for Great Britain cannot be given.

(c) In week ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include working proprietors.

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

THE THE PERSON OF THE	Uı	United Kingdom			Great Britain		United Kingdom	
	1951	19 50	1949	19 49	1948	1937	1935	
Males Females	493 989	491 1,104	427 970	••	344 597	354 153	377 96	
Total	1,482	1,595	1,397		941	507	473	

(19109-1)

TABLE 15 - Shift working, 1951: Larger establishments in Great Britain

Owing to the risk of disclosure of information relating to individual firms, this table cannot be given.

Wages and salaries and employers' National Insurance contributions paid during the year

Larger establishments

TABLE 16

£, 000

		Great Britain			
	1951	1950	1949	1949 (a)	-19 48
Wages and salaries (b) of		11			- 7
Operatives Administrative, technical and	4,769	4,709	4,634		4,802
clerical employees	1,432	1,389	1,293		1,278
Total	6,201	6,098	5,927		6,080
Employers' contributions to all National Insurance Schemes	17 4	181	180		156

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(b) Including bonus and commission payments, but excluding payments to outworkers shown below.

U	nited Kingdo	m est	Great B	ritain
19 51	1950	1949	1949	1948
217	177	174	tratte to a	150

Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

Larger establishments

TABLE 17

£'000

	United	Kingdom	Great E	Britain
120.001	1951	1949	1949(a)	19 48
Plant, machinery and vehicles Acquisitions Plant and machinery	Gardan Locale	esta la sense		
New Second-hand Vehicles	96 12	221 32		17 4
New Second-hand	6 2 49	38 34		35 20
Total acquisitions	218	325		237
Disposals Plant and machinery Vehicles	11 32	14 24	::	13 13
Total disposals	43	38		26
New building work Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	27	80		. 72

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(19109-1)

JEWELLERY AND PLATE TRADE

1951

Summary

Larger establishments

TABLE 18

	Engl and	Wales	Scotland	Great Britain	Northern Ireland(a)	United Kingdom
	€,000	£,000	\$,000	£,000	£.000	£,000
Gross output (production)	22,197	292	110			22,599
Cost of materials and fuel used	10,641	134	45			10,821
Payment for work done on materials given out	503	1840	1			503
Excise duty	2	-	-		144	2
Transport payments	89	1	-		•••	91
Net output Wages and salaries of persons employed	10,962 6,036	157 109	6 4 56		19.0	11,182 6,201
Other and the second se	No.	No.	No.	No.	No.	No.
Average number of persons employed (b)	18,268	504	233	••		19,005
	3	£	£	3	3	£
Net output per person employed (b)	600	311	273	•		588
AND ASSESSMENT AND ASSESSMENT AND	£, 000	£,000	£,000	£. 000	£.000	£.000
Stocks at end of year	di le d'ora sevente e	as the collection of the				
Products on hand for sale and	0.010		20			0.054
work in progress Materials and fuel	3,046 2,730	16	12	••	.:	3,074 2,763
Marailais and idei	No.	No.	No.	No.	No.	No.
Number of establishments	350	3	3	No.		3 56

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

	\$,000	£' 000	£, 000	£.000	£,000	£,000
Output of firms in this trade		one or market free				
Total value of sales (see Table 20)	22.043	291	104			22, 437
Changes in stocks and work in progress (see Table 21)	+ 154	+ 2	+ 6	ionn : mail		+ 162
Gross output (production)	22,197	292	110	Bran	• •	22, 599
Materials and fuel used by firms in this trade	1. (22 Residence)	S. S. C.	40.3			KA SENSE
Purchases	10,923	126	46	(14. ··	••	11,095
Changes in stocks (see Table 21)	- 282	. 8	-			- 274
Materials and fuel used	10,641	134	45			10,821

 ⁽a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for Scotland.
 (b) Excluding outworkers but including working proprietors.

Summary

Small firms in Great Britain (a)

TABLE 19

***	Engl and	Wales	Scotland	Great Britain
Number of returns	67 5	7	25	707
Average number of persons employed (b)	- Andrews and the second	Property Com	· · · · · · · · · · · · · · · · · · ·	
Males Females	2,286 967	17 7	101 26	2,404
Total	3,253	24	127	3,404

⁽a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.

⁽b) Including working proprietors.

	England	and Wales	Scot	land	Great F	Britain	Northern	Ireland	United I	Kingdom
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th.ozs. troy	£. 000		£. 000	Th.ozs. troy	€, 000		£, 000	Th.ozs. troy	£.000
rincipal products										
Jewellery, gem set or not	100000	5,307	-	•		5,307	•	•		5,307
Gold and silver thread, lace and braid		376	-1111		•••	376				376
Other goldsmiths' and silversmiths' wares, except watch cases										
Of gold and/or platinum	7.4	92 62	} -	i wan	7.4	92 62] -	- {	7.4	92 62
Of silver, gilt or ungilt	1,013.9	866 119	} -	•	1,013.9	866 119	} -	- {	1,013.9	866 119
Of electroplate or of motals other than gold, platinum, silver or pewter										
Spoons and forks	Th.gross		L		Th.gross		h			
Plated with base metals	99.0	516 59	} -		99.0	516 59	} -	- {	99.0	516 59
Plated with silver	93.4	1,269		•	93.4	1,269	•	•	93.4	1,269
Other (except stainless steel)	104.7	525 26	} -		104.7	52 5 26	} -	- {	104.7	525 26
Knives, complete with blades	29.7	664	•	The M	29.7	664	•		29.7	664
Other goods		1 051				1,851				1,851
Of silverplate on nickel silver	••	1,851	•							1,619
Of other metals, except pewter	••	1,619	•			1,619			••	542
Unclassified	••	542				152			••	152
Pewterware	••	152		•		152			••	102
Precious and semi-precious stones and pearls cut or otherwise worked		2.754	-	•		2,754	-	•	Gross	2.754
Lighters, mechanical complete (with or without flint)	Gross 66.3	24 3	} -		Gross 66.3	24 3	} -	- {	66.3	24 3
Stampings, findings and other semi- processed goods	Th.ozs.				Th.ozs.	Rugos.		3, 200	Th.ozs.	
Of precious metals	troy 48.2	114	5.3-1.3	•	48.2	114		•	48.2	114
Of other metals		930		•	••	930		•		930
Coinage; and synthetic jewels (for watch, instrument, etc. trades), so far as recorded separately		(a)		(a)		1,792	*****			1.792
Imitation pearls and imitation pearl products (necklets, earrings, etc.), so far as recorded separately		(a)	-			(a)	••	(a)	••	223

TABLE	20 (contd.)

ar arms mades	England o	and Wales	Scot	land	Great B	ritain	Northern	Ireland	United h	Lingdom
publication waters	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
bendeland dough	Th.ozs.	£,000		£, 000	Th.ozs.	£, 000		£,000	Th.ozs.	£,000
The state of the s	tray				troy				troy	
Waste products			h	,	001.0	0.45	h ·		201.0	0.4
Precious metals	391.0	247 63	} -	- {	391.0	247 63	} -	-	391.0	24
Other		170	•	•		170	•	•		17
Repair work on customers' goods, including remounting and mounting of loose stones (c)		(a)		(a)	77	(a)		(a)		70
Work done for the trade or on commission (c)		293				231				
Plating or finishing of plated goods		348		•		348		•		34
Cutting of precious stones		18		•		18		•		1
Other work		118		•		118		•		11
Total principal products	14 1 39 A	21,449		104(b)	-	(a)		(ь)	313	21,5
ther output	2000	38				1				
Cutlery and parts thereof (other than silversmiths' wares)	1	243	-		••	243				.24
Cases for jewellery, cutlery, etc.		91	-			91		•		,
Hardware and hollow-ware of metal		23	-	-		23	•	•	••	2
Metal smallwares (buttons, buckles, needles, etc.)		53				53	-			
Other goods		399				399	-	•		3
Work done (c)		76		•		76				
To tal		22,333		104(b)		(a)		(b)		22, 4

(c) Amount charged.

⁽a) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.(b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for Scotland.

Stocks of products on hand for sale and work in progress, and stocks of materials and fuel

Larger establishments

TABLE 21

£,000

in the last paners to craces.	and the state of t	England and Wales	Scotland (a)	Great Britain	Northern I-reland (a)	United Kingdom
Products on hand for sale	at beginning of year at end of year	1.636 1.765	: _	1.636 1.765	1	1.636
Work in progress	at beginning of year at end of year	1,270 1,297	6 12	::		1,276 1,309
				190-540	s escret health by	
Total products on hand		Spanish and	1400 1000 10	or Sodia Social		
for sale and work in	fat beginning of year	2,906	6			2,912
progress	(at end of year	3,062	12	••		3.074
Materials and fuel	Sat beginning of year	2,487	2	2,489		2,489
Macorials and Idea	(at end of year	2.761	2	2,763	-	2.763

⁽a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for Scotland.

Employment in September

Larger establishments(a)(b)

TABLE 22	LE 22	TAB
----------	-------	-----

(i) Operatives

Number

are also well work among	England and Wales	Scotland (c)	Great Britain	Northern Ireland	United Kingdom
Males				THE RESERVE OF THE PARTY OF THE	
Under 18	553	9			562
All ages	8,155	38	a secondario de la companya del companya del companya de la compan		
Females	0,133	30	••	••	8,193
Under 18	746	19			705
All ages	7.702	168	••		765
	7.702	100			7,870
Total					
Under 18	1,299	28	all all the same of the same o		1 007
All ages	15,857	206			1,327
	15,03/	206	••		16,063

(ii) Administrative, technical and clerical employees

Number

Carlo Sale 1 2001 France 1	England and Wales	Scotland (c)	Great Britain	Northern Ireland	United Kingdom
Males Under 18 All ages Females Under 18 All ages	14 1,474	- 6 1			14 1,480 178
Total Under 18	1,322	19	1	••	1,341
All ages (d)	2.796	25	53 M. M. M. M. M. V. 1. (1280) Co. 655	and the state of t	192 2.821

(iii) Total employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males Under 18 All ages	567 9.629	9			576 9,673
Females Under 18 All ages	923 9.024	20 187	•		943 9,211
Total Under 18 All ages (d)	1,490 18,653	29 231		••	1,519 18,884

⁽a) Excluded employees. The number of persons employed at the larger establishments in this trade but not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchanting and in Northern Ireland canteen and welfare workers) are shown in Table 22(v) below.

(19109-1)

⁽b) Number employed in the week ended September 22, 1951.
(c) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for Scotland.
(d) Working proprietors. In addition working proprietors shown in Table 22(iv) below, were engaged in this

⁽d) Working proprietors. In addition trade in larger establishments.

TABLE 22 (contd.)

(iv) Working pro	oprietors	T touchast it			Number					
wakpasa (6) busta	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom					
Males Females	83	THE T	83	elet ver hand	83					
Total	91	1000-40	91	- 400 F6	91					
(v) Excluded employees										
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom					
Canteen workers Males	5	218-18	5	1	5					
Females	127 (e)	•		(e)	127					
Total	132 (e)	10-1	1 120.00 100 100 20	(e)	132					
Other workers Males Females	97 83	us or palaulus as is bobulosis asaus	97 83	THE RESERVE TO SERVE THE PARTY OF THE PARTY	97 83					
Total	180	specified or new	180		180					
Total excluded employees	312 (e)			(e)	312					

(e) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

Average employment

Larger establishments (a)

TABLE 23

Number

manufacture same manual	England and Wales	Scotland (b)	Great Britain	Northern Ireland (b)	United Kingdom
Operatives	15,910	211			16,121
Administrative, technical and clerical employees	2.771	22	1394		2,793
Total	18,681	233			18,914

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

artisans part of the last product	England and Wales	S∞tland	Great Britain	Northern Ireland	United Kingdom
Males Females	493 989 (c)		493	- (c)	493 989
Total	1,482 (c)		•••	(c)	1,482

(a) For employment in small firms in Great Britain (employing on the average ten or fewer persons) that made

satisfactory returns see Table 19.

(b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for Scotland.

(c) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland country to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

Wages and salaries and employers' National Insurance contributions paid during the year

Larger establishments

TABLE 24

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Wages and salaries (b) of					
Operatives	4,724	45	State		4.769
Administrative, technical and clerical employees	1.422	10			1,432
Total	6,145	56	••	••	6,201
Employers' contributions to all National Insurance Schemes	172	2			174

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for Scotland.

(b) Including bonus and commission payments but excluding payments to outworkers shown below.

England and	Scotland	Great	Northern	United
Wales		Britain	I rel and	Kingdom
217 (c)	-	••	(c)	217

(c) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

> Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

Larger establishments

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Plant, machinery and vehicles Acquisitions					
Plant and machinery					
New	95	•	95	•	96
Second-hand Vehicles	12		12	•	12
New	62		62		62
Second-hand	49	-	49	-	49
Total acquisitions	218	-	218		218
Disposals					
Plant and machinery	11		11		
Vehicles	32	-	11 32	-	11 32
Total disposals	43		43		43
New building work Capital expenditure on new building and other constructional work of a capital nature (excluding site values and					
development charges)	27	-	27	-	27

TABLE 25

Payments for transport services for finished goods sold and materials and fuel purchased

Larger establishments

T	AR	LE	2	6
102 Y	AD	LL	4	U

£	٠	0	^	0
L		U	U	U

sonpula (set tenderal la constant de	England and Wales	S∞ tl and	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings Amount paid or credited to firms' own separate transport organisations	86	ASTEN	86		86
Total	91	•	91		91

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

Trade classification: Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as characteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

The establishment: The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, warehouses and other ancillary places of business situated apart from the producing works are included in the return for the works.

Larger establishments and small firms: Larger establishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

Working proprietors are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

Persons employed: Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchanting or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or parttime employees.

Outworkers, who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

Wages and salaries include all overtime payments, bonuses, and commissions, without any deduction for income tax, insurance, contributory pensions, etc. They exclude payments to working proprietors.

Capital expenditure: Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

Materials and fuel: The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials: office materials: water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchanted or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

Stocks and work in progress: Firms were instructed to give these at income tax value.

Output: Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. For all post-war censuses the value of sales was the net selling value, that is, the amount charged to customers, whether on an exworks or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

Gross output of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used and the amount paid for work given out and, for 1951, any transport payments included in firms' returns. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met as well as depreciation and profits.

Customs and Excise Duty paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

Later reports: Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

Disclosure of information: The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

Symbols used: '..' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.

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