

## FINAL REPORT on the CENSUS OF PRODUCTION FOR 1948

Volume 4

Trade I

### MECHANICAL ENGINEERING (GENERAL)

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

1953

Price 7s 6d net

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1946: Introductory Notes", price 2s 0d. NET

#### List of Tables

Table No.	Title	Page.
1	Summary: Larger establishments	4/1/2
2	Summary, 1948: Small firms in Great Britain	4/1/3
3	Estimated average employment, 1948: All firms in Great Britain	4/1/3
4	Analysis by size, 1948: Larger establishments in Great Britain	4/I/4
5	Analysis by standard region, 1948: Larger establishments in Great Britain	4/1/4
6	Analysis according to specialisation within the trade, 1948: Larger establishments in Great Britain	4/1/5
7	Total make of intermediate products: Larger establishments	. *
8	Sales (or production) of the principal products of the trade, including sales (or production) of these products by establishments classified to other trades: Larger establishments	4/1/6
9	Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments	4/1/34
10	Sales (or production) in the trade of other than principal products: Larger establishments	4/1/53
11	Analysis of sales, 1948: Larger establishments in Great Britain	4/1/56
12	Production, exports and imports of certain principal products: Larger establishments	4/1/57
13	Purchased materials and fuel: Larger establishments	4/1/67
14	Stocks of finished products and work in progress and stocks of materials and fuel, 1948: Larger establishments in Great Britain	4/1/72
15	Employment and remuneration: Larger establishments	4/1/73
16	Wages and salaries paid, 1948: Larger establishments in Great Britain	
17	Payments for work done on materials given out, 1948: Larger establishments in Great Britain	4/1/74
18	Payments for certain services, 1948: Larger establishments in Great Britain	4/I/74 4/I/75
19	Plant, machinery and vehicles acquired and disposed of, 1948: Larger establishments in Great Britain	
20	Capital expenditure on building work and changes in occupation of buildings and land, 1948: Larger establishments in Great Britain	4/I/76 4/I/76
	Country Tables	
Table No.	Title	Page

	country Tables	
Table No.	Title	Page
21	Summary: Larger establishments	4/I/77
22	Summary: Small firms	4/1/78
23 or 23(1)	Sales in the trade: Larger establishments	4/1/79
23(11)	Sales in the trade: Small firms	*
24 or 24(1)	Purchased materials and fuel: Larger establishments	4/I/100
24(11)	Purchased materials and fuel: Small firms	*
25 or 25(1)	Employment and remuneration: Larger establishments	4/1/105
25(11)	Employment: Small firms	*
26	Monthly index of employment of operatives: Larger establishments * Not applicable to this trade	4/1/106
	. Hot applicable to this trade	

## MECHANICAL ENGINEERING (GENERAL) TRADE

THIS REPORT on the Mechanical Engineering (General) Trade relates to establishments engaged wholly or mainly in the manufacture of mechanical engineering products, other than those engaged in the branches mentioned below, including Government establishments for 1948 and 1935. The Marine Engineering, Machine Tools, Textile Machinery, Small Arms, Constructional Engineering, Mechanical Handling Equipment, Printing and Bookbinding Machinery and Mechanical Engineering (Repairing) Trades are excluded and are covered by separate reports (Volume 4, Trades B, C, D, E, F, G, H and J respectively).

This trade, together with part of the Mechanical Engineering (Repairing) Trade, corresponds to minimum list headings 52, 53, 55, 57 (ordnance establishments only) and 69 (1-6, 9-12) in the Standard Industrial Classification.

Establishments in this trade in Northern Ireland (which are excluded in 1948) accounted in 1946 for 2 per cent., and in 1937 for a half of one per cent. of the total net output for the United Kingdom. In 1935 establishments in Northern Ireland, including those wholly or mainly engaged in the manufacture and repair of textile machinery and in constructional engineering, accounted for one per cent. of the total.

DS 42528/1

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS MECHANICAL ENGINEERING (GENERAL) TRADE

### Summary Larger establishments

TABLE I

	1948 (a)	1946(b)(c)	1937(b)(c)	1935 (b)
Gross output (production)	£'000	٤'000	£'000	£'000
GIOSS Output (production)	468,951	316,375	150,707	103,178
Cost of materials and fuel used	202,140	129,192	63,871	41,264
Payment for work done on materials given out	10,466	6,409	1,256	638
Not output			1,200	000
Net output	256,345	180,774	85,580	61,276
Wages and salaries of persons employed	155,120	118,760		
	NO.	No.	No.	No.
Average number of persons employed (d)	459,818(e)	415,910	324,381	265,107
Not output pop popper and to the	£	£	£	£
Net output per person employed (d)	557	435	264	231
Stocks at and of man	£'000	£'000	£'000	£1000
Stocks at end of year	10 of MADER of	as no rees	3. 2112	
Finished products and work in progress	133,686	105,351	33,525(f)	18,284(f)
Materials and fuel	59,556	31,948		
	NO.	NO.	NO.	No.
Number of establishments	2,765			1,595

(a) Great Britain only.

(b) United Kingdom.

(c) Excluding Government establishments.

(d) Excluding outworkers.

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

(f) Work in progress only.

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

	T		1	And the second
a start and the land shirts are	1948	. 1946	1937	1935
Output of firms in this trade	٤'000	£!000	٤'000	£'000
Total value of sales (1948 and 1946) or production (1937 and 1935)		nagi sine b Sine sing b		
Principal products (see Table 8)	391,026		108,464	80, 323
Other output (see Table 10)	62,668	306,506	32,339	20,557
Adjustment for changes in stocks and work in progress	+ 19,111 (a)	+9,869	+ 9,904(b)	+ 2,298(b)
	472,805	]		
Less payment for transport by other firms	3, 854	316,375	150,707	103,178
Gross output (production)	468,951	316,375	150,707	103,178
Materials and fuel used by firms in this trade Purchases (see Table 13)	211,269	135,065		
Adjustment for changes in stocks	- 9,129(a)	- 5, 873	63,871	41,264
Materials and fuel used	202,140	129,192	63,871	41,264
(a) See Table 14. (b) Work in progress only.				

DS 42528/1

## TABLE 2 Number of returns Average number of Males Females Total

### TABLE 3

As returned by firms

Employing on avera

Employing on avera

Estimated average e satisfactory return

Estimated average e

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

DS 42528/1

MECHANICAL ENGINEERING (GENERAL) Summary, 1948 Small firms in Great Britain

S	3,042
f persons employed (a)	
5, 239 36, 247 1 (8, 768	14,884
10.2.00 10.2488 10.24888 10.24888 10.24888 10.24888 10.24888 10.24888 10.24888 1	2,163
0,915 30,491 77,378	9-1, 25,814 1
626 426 426 426 428	17,047

(a) Including working proprietors.

```
Estimated average employment, 1948
    All firms in Great Britain
```

	100000
IS	
rage more than ten persons (a)	459,818
rage ten persons or less (b)	17,047
10.6 10.6 10.874	476,865
employment in firms not making rns	5,515
employment in all firms	482,380

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS Analysis by size, 1948

## Larger establishments in Great Britain

TABLE 4

	1	T. The second second second	1	and the second second	1. 1. 1. 1. 1. 1. 1.			
Average number employed	Establish- ments	Gross output	Net output	Persons	Remuneration		1	Net output
		output	output	employed	Wages	Salaries	Total	per person employed
	No.	£'000	£'000	NO.	£'000	£'000	£'000	<u>£</u>
11-24	771	12,096	7,091	13,071	3,086	1,063	4,149	543
25-49	647	22,763	12,900	22.497	5,530	1,867	7.396	a second s
50-99	511	36,557	20,639	35,947	8,758		1	573
100-199	352	53,253	28,279	47,953	11.680	3,085	11,843	574
200-299	143	36,795	19.748	34,583		4,490	16,170	590
300-399	89 .	33,814	17,913		8,496	3, 326	11,822	571
400-499	58	28,873		30,481	7,378	2,979	10,358	588
500-749	74	17 647	15,775	26,126	6,425	2,314	8,739	604
750-999		48,933	24,830	45,341	10,966	4,307	15,274	548
	46	41,528	21,548	40,137	9,708	3, 592	13,300	537
1,000-1,499	31	42,524	22,016	38,053	9,805	3,506	13,311	579
1,500-1,999	17	32,347	17,874	29,662	7.490	2,687	10.177	603
2,000 and over	26	79,468	47,733	95,967	24,150	8,432	32,582	100 201 Statistics
Totol	0 000	C-12-12-12-12-12-12-12-12-12-12-12-12-12-			-,200	0,102	00,000	497
Total	2,765	468,951	256,345	459,818	113,473	41,647	155,120	557
A MARKEN AND A MARKEN AND A MARKEN								001

## Analysis by standard region, 1948 Larger establishments in Great Britain

### TABLE 5

ATT TITES IN GREAT BETTER												
Region	Establish-	Gross	Net	output	Persons	Remuneration						
	ments	output	Value	Percentage of total	employed	Wages	Salaries	Total				
England	No.	- £'000	£'000		No.	٤'000	٤'000	£'000				
Northern	112	25,102	12,989	5.1	25, 348	6,122	2,225	8,346				
East and West Ridings of	of grippe, of	17,04	(0)	rsons or les	rage ten pe	iveo in the eva no gni	toll out	ANDEL FOLD LOTAL RECT ALEAN				
Yorkshire	298	50,391	27,090	10.6	46,874	11,660	4,036	15,696				
North Midland	190	48,571	27,585	10.8	48,398	11,904	4,163	16,067				
Eastern	142	38,363	21,252	8.3	36,908	8,752	3,460	12,211				
London and South Eastern	725	87,651	48,245	18.8	84,758	21,405	9,187	30,592				
Southern	96	12,790	7,121	2.8	12,632	3,165	1,159	4.325				
South Western	132	17,242	9,323	3.6	18,305	4,207	1,577	5,784				
Midland	411	60,100	32,127	12.5	55,930	14,298	4,939	19,237				
North Western	378	60,995	33, 271	13.0	58,629	14,499	5,125	19,625				
Total England	2,484	401,204	219,004	85.4	387,782	96,013	35,871	131,883				
Wales	50	6,611	3,460	1.3	6,904	1,743	576	2,318				
Scotland	231	61,136	33,881	13.2	65,132	15,718	5,201	20,919				
Great Britain	2,765	468,951	256,345	100.0	459,818	113,473	41,647	155,120				
					The test of the	Constant and the						

TABLE 6													
and and a second se			Sales of			F	Remuneration	1-17 - 0317	Net output				
des \$, 0	Establish- ments	Gross output	charac- teristic products	Net output	Persons employed	Wages	Salaries	Total	per person employed				
Specialist producers	NO.	000 ئ	£' 000	£'000	No.	£'000	£'000	£'000	£ 108AT				
of .				TRANS.	N. RED. F.	T	and the first of the		anda Sector A				
Agricultural machinery and parts	142	23,830	18,086	11,217	20, 427	5,037	1,404	6,441	549				
Air conditioning, heating and	enter Ka	tauna)	Est Han	Value		1600	and the second second						
ventilating plant and appliances (including fans other than electric	892313	anoi j	.0%	2000 12	"enor	106			Plongth Plongth				
fans), and parts	138	12,716	8,223	6,871	11,857	2,870	1,331	4,201	579				
Boilers (excluding boilers for ships or locomotives)			52	1 1; 359	ARD .F	14.253							
and boiler-house plant, and parts	40	19,165	13,241	11,418	19,352	4,915	2,150	7,065	590				
Gas meters and parts	59	6,884	5,423	4,017	7,662	2,078	370	2,448	524				
Mining machinery, excluding portable power tools, and	884 80		31 38	980 88	1214 ( )	17, 386	(1) (1) (1) (1) (1)	rewon os phald t	LARY 200 ET				
parts	41	14,820	13,131	6,298	10,475	2,514	1,001	3,515	601				
Office machinery and parts	102	13, 479	11,243	8,629	16,447	3,853	1,412	5, 264	525				
Prime movers (stationery) and parts				648		1, 250	interest and						
Internal	11.	D6911	1993	100	Eag 1		1 550	0.007	586				
combustion	28	20,816	14,922	10,462	17,839	4,471	1,552	6,023	380				
Other	7	2,852	1, 565	1,389	3,656	884	423	1,307	545				
Pumps and parts	56	14,748	10,743	7,376	13,540	3,040	1,367	4,407	040				
Refrigerating machinery and parts	47	21,204	17,245	8,474	14,072	3, 597	1,436	5,032	602				
Weighing machinery, other than automatic			1	and a second		non na			The state of the second				
slot machines, and parts	132	4,505	3, 028	3,269	5,632	1,432	425	1, 857	580				
Arms, ammunition,	and the second		S	189		1 5 1 1 1	JIII .						
and naval, military and air force stores	32	14,005	9,754	7,920	19,859	5,260	1,431	6,691	399				
Ball and roller bearings, and parts	19	17,540	16,103	10,912	19,738	5,055	1, 439	6,494	553				
Rolls of iron or steel for metal	1951(203)		In The	1. 17.	state.	RAGIN .	(1)						
rolling mills or other machinery	13	2,764	2,299	1, 571	2,167	704	160	. 865	725				
Remainder of the trade	1,909	279,624	E.L.	156, 522	277,095	67,763	25,746	93, 510	565				
Total	2,765	468,951	85	256, 345	459,818	113,473	41, 647	155, 120	557				

DS 42528/1

DS 42528/1

### MECHANICAL ENGINEERING (GENERAL)

## Analysis according to specialisation within the trade, 1948

### Larger establishments in Great Britain

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

# 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

Note - This table does not include constructional, repair and maintenance work carried out by Gas, Electricity and Water undertakings, for which see Volume 12, Trades F, G and H, respectively.

### TABLE 8

(11) Replacement parts         Quantity         Value         Entries         Quantity         Value         Quantity         Value         Quantity         Value           Agricultural machinery         No.         Tons         \$'000         No.         Tons         \$'000         Tons         \$'000         Tons         \$'000           Ploughs         (11)         66,612         19,161         2,435         25         2,295         266         2,567         282           Animal power         (11)         19,282         1,055         66         24         1,227         79         1,545         66           Hay and grass mowers, other         (11)         17,256         7,215         924         17         3,572         263         3,078         155           Reapers and binders         (11)         17,356         7,215         924         17         3,572         263         3,078         155           Threshers         (11)         17,356         3,118         548         12         1,550         114         2,078         138           Threshers         (11)         1,426         3,118         548         12         1,550         116         2,078         138	Kind of output (1) Complete machine (11) Replacement part	s, etc.	ino la	1948 (a Sales	1)	382.985	1937 ( Produc	b)(c) tion	1935 Produ	(b) iction
PloughsIntermInt	(11) Replacement part	Quan	tity	Value	Entries	Quantity	Value	Quantity	Value	
Mechanical power $\begin{pmatrix} (1) \\ (11) \end{pmatrix}$ $\begin{pmatrix} 66, 612 \\ (11) \end{pmatrix}$ $\begin{pmatrix} 19, 161 \\ 78 \\ 1, 359 \end{pmatrix}$ $\begin{pmatrix} 25 \\ 22 \\ \end{pmatrix}$ $\begin{pmatrix} 72 \\ 172 \\ \end{pmatrix}$ $\begin{pmatrix} 114 \\ 114 \\ \end{pmatrix}$ Animal power $\begin{pmatrix} (1) \\ (11) \end{pmatrix}$ $\begin{pmatrix} 19, 252 \\ .1055 \end{pmatrix}$ $\begin{pmatrix} 25, 657 \\ \end{pmatrix}$ $\begin{pmatrix} 266 \\ \end{pmatrix}$ $\begin{pmatrix} 114 \\ \end{pmatrix}$ $\begin{pmatrix} 19, 252 \\ \end{pmatrix}$ $\begin{pmatrix} 1055 \\ \end{pmatrix}$ $\begin{pmatrix} 32 \\ \end{pmatrix}$ $112 \\ \end{pmatrix}$ $114 \\ \end{pmatrix}$ $114 \\ \end{pmatrix}$ $116 \\ \end{pmatrix}$ $11$			No.	Tons	£'000	NO.	Tons	£' 000	Tons	£'000
Animal power(1)19,2521,05563241,227791,54588Hay and grass mowers, other(1)17,3567,215934173,6722343,078155Hay and grass mowers, other(1)17,3567,215934173,6722343,078155Reapers and binders(1)17,3567,2159341751,361701,49672Reapers and binders(1)2,6092,70837751,361701,49672Threshers(1)1,2503,118546121,5901162,078136Threshers(1)1,2503,118546121,5901162,078136Mikking machinery(1)4,3461,11726627Mikking machinery(1)50,5908,7131,126113815188Cultivators or grubbers(1)50,5908,7131,126181471Land rollers(1)1,2699,665678242410112,042676Planters and seeders(1)1,2693,2734323611289287Planters and seeders(1)11963426287287Planters and seeders(1)111442619426 <td< td=""><td>4,801 600</td><td>1</td><td>••</td><td>78</td><td>18</td><td>11</td><td>3,295</td><td></td><td>2,587</td><td>282</td></td<>	4,801 600	1	••	78	18	11	3,295		2,587	282
Animal power       (11)        14       4       4       4       4       4       1.22       7.9       1.545       88         Hay and grass mowers, other (1)       17, 356       7,215       934       17       3,872       234       3,078       155         than rotary blade type (d) (11)       17,356       7,215       934       17       3,872       234       3,078       155         Reapers and binders       (11)       2,869       2,708       377       5       1,361       70       1,496       72       29         Threshers       (11)       1,350       3,118       548       12       1,590       116       2,078       136         Threshers       (11)       1,455       144       400       18        29        29         Mikking machinery       (11)       1,456       3,118       548       12       1,590       116       2,078       136         Cultivators or grubbers       (11)       4,348       1,128       1       38       15       18       8         Disc harrows       (11)       1,369       9,665       878       24       18       11       399 <td></td> <td>i f</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>(25vist</td> <td></td>		i f				1			(25vist	
than rotary blade type (d) [(11) $1.1$ $302$ $25$ $30,07$ $20$ $30,07$ $20$ $300$ $159$ Reapers and binders       (11) $2.600$ $2.708$ $3777$ $1.361$ $70$ $1.496$ $72$ Threshers       (11) $1.250$ $3.118$ $548$ $1101$ $15$ $2.99$ $$ $29$ Threshers       (11) $1.250$ $3.118$ $548$ $111$ $38$ $15$ $1.89$ Milking machinery       (11) $2.793$ $1.187$ $400$ $11$ $38$ $15$ $18$ $8$ Cultivators or grubbers $(11)$ $2.793$ $1.187$ $400$ $11$ $38$ $15$ $18$ $8$ Cultivators or grubbers $(11)$ $5.74$ $2.262$ $452$ $27$ $1$ $21$ $$ $1$ $15$ $18$ $8$ Disc harrows $(11)$ $21$ , $081$ $9, 665$ $678$ $24$ $12$ $981$ $12, 042$ $676$ Iand rollers $(11)$	Animal power			A STATE OF A		12.95.000	COL MARY	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	and the set	
Reapers and binders $\begin{cases} (1) \\ (11)$	than rotary blade t	other (1)								
Threshers $\begin{pmatrix} (1) \\ (11) \\ $			358.5	98	11	120.245	1 13, 478			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		3 1	140		101	12	1,590			nis est sting
Milking machinery $\begin{pmatrix} 11 \\ (11) \\$		(11)		505 .5	131	21	818.03 Bill 03	26	••	27
Cultivators or grubbers $\begin{pmatrix} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	Milking machinery	. {	4, 348	••	706 330	1 240 211	1 31,204	N.2.	early part	
Disc harrows $\begin{cases} (1) \\ (11$	Cultivators or grubbe	$rs \langle   $	6,374	8,713	1,135 266 23	45	003 LA 12, mp	581 581	in automatic in automatic inca, und fictoria	Adiasia ottes i ottes i ottes parta Atmes ad
Land rollers $\begin{pmatrix} (1) \\ (11$	Disc harrows			48	4	y	2005 2005 17,540	821 -  0 62		
Planters and seeders $\begin{pmatrix} (1) \\ (1) \\ (11) \end{pmatrix}$ $1,911 \\ \cdots \\ 11 \\ 11 \\ \cdots \\ 96 \end{pmatrix}$ $36 \\ 34 \\ 34 \\ 34 \\ 34 \end{pmatrix}$ Other agricultural machinery (except tractors) $\begin{pmatrix} (1) \\ (11) \\ (11) \end{pmatrix}$ $\cdots \\ 42,854 \\ \cdots \\ 2,410 \\ 1,263 \end{pmatrix}$ $194 \\ 275 \\ 275 \end{pmatrix}$ Unclassified agricultural $\begin{pmatrix} (1) \\ (1) \\ \cdots \\ 3,416 \end{pmatrix}$ $330 \\ 61 \end{pmatrix}$ $61 \\ \cdots \\ 61 \end{pmatrix}$	Land rollers		798	72	30 8	1	(4+)		and the second second	
$\begin{array}{c c} \begin{array}{c} (1) \\ machinery (except tractors) \\ (11) \\ ($	Planters and seeders	( )	1,911	616.818	84 11		. 496, 355	2,755	19,2	
Unclassified agricultural $(1)$ $\cdots$ $3,416$ $330$ $167$ $  -$ </td <td>Other agricultural machinery (except trad</td> <td>tomals</td> <td>••</td> <td>••</td> <td>2,410</td> <td>1 11</td> <td></td> <td>50,014</td> <td>100.00</td> <td></td>	Other agricultural machinery (except trad	tomals	••	••	2,410	1 11		50,014	100.00	
	Unclassified agricult machinery				330 167 706	and the second se	o 635- 14	1 o 1	318-1	-
							2			

### TABLE 8 (contd.)

Kind of output (1) Complete machines, etc		10-11-17	1948 Sale		- 12	1937 (b Product	)(c) ion	1935 (b) Production		
(11) Replacement parts		Quantity		Value	Entries	Quantity	Value Quantity		Value	
Air and gas compressors and exhausters Air compressors and exhausters, other than		No.	Tons	£'000	No.	Tons	£1000	Tons	£1000	
compressors supplied with paint spraying equipment Reciprocating	{ (1) { (11)	17,186 3,589 	<b>4,</b> 770	1,715 233 390 50 <sup>-6</sup>	<b>44</b> 39		ine. (1)	heilis	otn (neta-	
Rotary	$\left\{ \begin{array}{c} (1) \\ (11) \end{array} \right\}$	7,451 4,012 	7.99	405 101 101 101	21			8,188	1,091(e)	
Other and unclassified	{ (1) { (11) }	3,489 6,301 	3,272	914 273 885 297	}	(11) 11, 465	1,554(e) 212(e)		14 178(e)	
Cas compressors and a exhausters	<pre>{(1){ (11)</pre>	1,121	2, 281 ••	430 102 <b>1</b> 30	<pre>     19     18 </pre>		818	100 995	TRUEN	
Reconditioned air and gas compressors (1) and and exhausters (f)	1 (11){	••	73	15 25	} 7	)	517 (3118 (838 )	000 .800	1008	
Air conditioning, heating and ventilating plant and appliances (including waste, dust, fumes, heated air, steam or vapour collecting or extracting)		9 8 8 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6		artes Dollers Dutto ess	Coment p Leo Lypi ES DER D	Rep) Locomo for s	
Ventilators, hoods, cowls, pipes, ductwork and the like (f)			24,683	3,411 1,342	393	19,150	1,098	14,196	722	
Air, water and steam radiators (other than for use with gas) (g)	{ (1) { (11) }	25,172	884 85 ••	84 20 86 8	<pre>8 10</pre>				dogolar	
Plenum systems	$\begin{cases} (1) \\ (11) \end{cases}$		11,057	2,880 733 122	<pre>38 21</pre>	30.15 (11)		A Date	Colonal	
Sectional boilers, other than for steam	{ (1) < (11)	5,052	3,656 7,636	274 430 190		1				
Unit heaters	{(1) {(11)	15,777 5,572	1,534	429 95 241 53	31	(1) 33,49	300		1,998 (h 402 118 (h	
DS 42528/1			1						interes of	

### TABLE 8 (contd.)

TABLE 8 (contd.)	17.6.6		artes dans a							TABLE 8 (contd.)				
Kind of output (1) Complete machines,	etc.			18 (a) ales	lê û eşa		(b)(c) uction		55 (b) Nuction	Kind of output			1948 Sal	
(11) Replacement parts		Qı	uantity	Value	Entrie	s Quantity	Value	Quantity	Value	<ul><li>(1) Complete machines, etc.</li><li>(11) Replacement parts</li></ul>		Quant	city	
Air conditioning, heatin, ventilating plant and appliances (including wa dust, fumes, heated air, steam or vapour collect: extracting) (contd.)	aste,	No.	Tons	£ 000	NO.	Tons	£'000	Tons	£'000	Boiler-house plant Fuel economisers	(1){ (11)	NO. 1,719	Tons 17,721 3,197	
Other descriptions, not cast iron	t of			3.000	TOT TO		Kalup S* CODs		Toloo	Feed-water heaters	(1) (11)	647 31	296	
Heating plant and appliances, not elsewhere specified	{ (1) {(11)	1	5,858	628 618 71	<pre>35 26</pre>	5.295	erea nana a	usters presizues teres oth	and exite	Steam superheaters	(1){	128	1,892 3,782	A Charles and the
Other	{(1) {(11)		3,254	688 790 160	} 75 53		p tw bett p nong pp	dus stors sultyping	rigmos?" Malng	Combustion air heaters (1) and	1 (11) {	:: -	2,772	and the second se
Unclassified (1) an	nd (11)	4	199-	55 64	} 10			Burn and	dollar Reot	Feed-water injectors	(1) (11)	2,139	10 3	1
Automatic slot machines	{ (1) { (11)	818 2,914 ••	41	34 87 227 32	} 7 10	867	584 51	516	232 116 15		$\begin{pmatrix} (11) \\ (11) \end{pmatrix}$			1.0
Battery and cell making machinery, not elsewhere specified	{(1) {(11)		251	112 130	6 15		(1)		(1)	Boiler firing plant		339	658	
Boilers, excluding boiler for ships or locomotives	S			23.5. 		1.1		1000 che	1900 Q	Forced draught grates ( (hand firing)	{ (1) { (11) (11)		120	
Water tube boilers				1200				enoster g		Travelling grate	f (1) {	265	4,908 5,912	
Complete	{	38 ••	6,621 12,915	876 1,467	} 5	35,880	1,857	23,208	1,049	stokers	(11)	311	1,047	
Sections, sold as such Replacement parts	h {		1,072	175 166 547	} 8		150		117	Sprinkler stokers		94	380	
Locomotive type boilers	((1)	108	•• 815	98	9 5	1.010	ilns.	(11011) 99	Appl. Lain	908 1 1 2 1 1 0 0 0 1	(11)	••	••	
for stationary purposes	{(11)	••	••	15	6	1,219	69 2	1,706	76 3	Underfeed screw type	(1)	1,148 131	1,163	
Lancashire type	$\begin{cases} (1) \\ (11) \end{cases}$	262	6,322	576 112	13 26	(1) 9,817	390(j)	9 700	770 (1)		l(11)			
Cornish type	{(1) {(11)	31 4	338 •• ••	36 4 4	> 10 8	(1)	48	8,309	339(j) 33	Other types	$\left\{ \begin{array}{c} (1) \\ (11) \end{array} \right\}$	610 320	1,000	
Economic types	{(1) {(11)	234 74 ••	4,686	675 150 44	23 15		(3) (4	sind) sind	u 701	408 84870 120 83 84870 120			cr.s ,485	a los a la la
Vertical types	{(1) {(11)	2,958	7,448 311 ••	1,022 43 97	10 11	(1) 17, 804 (11) ••	863 72	14,913	618 53	Other boiler-house plant, not elsewhere specified	) (1) { (11)		••	Ser Month
Other boilers, including sectional boilers for steam	{(1) {(11)	5,748 963 ••	4,233 2,163	526 83 284 60	39 21			019 - ST 6919						10 M
DS 42528/1	.					1.4.9								

DS 42528/1

DS 42528/1

MECHANICAL ENGINEERING (GENERAL)

4/1/8

						11661
1948 Sal	(a) es		1937 Produc	(b)(c) tion	1935 Produ	(b) ction
1200	Value	Entries	Quantity	Value	Quantity	Value
ons	£'000	No.	Tons	£'000	Tons	£'000
,721 ,197	1,330 420 143	) 12 9			niip niina Leith	A-MANDALA MANAGANA MANAGANA MANAGANA
296	49 27 11	} 6 10	>(1)32,885 (11) ••	1,640 172	24,212	1,200 122
,892 ,782	311 634 191	<pre>     7     8 </pre>		, D.G.S. 3)	Laine soile	and and a
,772	403 89	} 7			ominora s	
10 3 ••	14 4 8 19	}		yyani satii	pan salie packing, s and inc	
	219 9	75	(4) (1) (22)	383	180 DD6 1	ntfilm
658 120	44 19 11 45	8		ent l	and to the second s	
,908 ,912 ,047 380	316 510 425 107 29 35 20 164	<pre>6 7 9 7 7</pre>	(1) 66, 597	3,823 517	47,452	2,077 396
,163	241 38 125 91	16 12			entrope entrope entrope	cam attes
, 000  	128 279 7 112	}	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	919 019	pers, ol a Picelly- Num clear	ewe-Jociej. Pale (183) Evication
;	3,116 664 797	} 62 56		177 1011 11 12 13 14 14 15	, billing la cors and Million di cas mala	Cheplant an
				1 300 B	and plan appointed far section of the main	eranimen. Frankrik Frankrik Frankrik

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

### TABLE 8 (contd.)

Kind of output	((d) 1981			948 (a)			1937	(b) (c)	193	5 (b)	
<ul><li>(1) Complete machines,</li><li>(11) Replacement parts</li></ul>	etc.	Quar	ntity	Sales Value	Dista		Produc	tion	Prod	uction	
Boilers (excluding boile ships or locomotives) a	rs for		ons	£'000			Quantity Tons	Value 2'000	Quantity Tons	Value £'000	
boiler-house plant, unclassified		- 18				81°.			Tasimo qui	Fuel Co	
Reconditioned (f) (1)	and (11) {		68 ••	36 76	9	,	107	-	-	_	
Other	{ (1) { (11)		70 •• ••	124 926 55	15				00 630, 193 - -		
<ul> <li>Boot and shoe making and repairing machinery (k)</li> </ul>	{ (1) { (11) {		63 • •	751 100 774	20		1,405	505 375	1,411	501 239	
Bottle washing machinery	{ (1) (11)	4,84	42	1,352	31 37		(s)	(1)		(1)	
Bottling, packing, packeting and labelling machinery								ando See	ar injec		
Bottling and capping	$\left\{ \begin{pmatrix} (1)\\ (11) \end{pmatrix} \right\}$	2,13	39 •	1,545 301	45 42		1,000	182(1) 29	}	(1)	
Filling and closing machinery for solids and semi-solids	{(1) (11)	20		175 12	17 10	(		(1) zetsta	tinguero -		
Labelling	{(1) {(11)	42	· / br	249 43 69	} 20 22	>(	(1)1,074 11) ••	457 57	818	345 46	
Packing and wrapping	$\begin{pmatrix} (1) \\ (11) \end{pmatrix}$	1,61		1,848 101	37 22		4 (11)		0,200) / L		
Brick, tile and cement block making machinery	$\left\{ \begin{pmatrix} (1) \\ (11) \end{pmatrix} \right\}$	5,11	• 1 03	753 227 746	} 54 87		6,408	287 (m) 250	6,161	253 (m) 206	
Cable making machinery	{(1) { (11)	1,118		428 228 64	} 21 18	201	2,364	234 30	1,112	142 16	
Carpet-sweepers, other than electrically-		NO. 06,055 35,587	Tons 578	311 89 34	10	N( 293	0. Tons 3,000 977	260			
worked vacuum cleaners	((11)	••	5,917	15		-	Tons	10		(1)	
Cement making machinery	(1) { (11)		••	560 74 215	> 20 36		7,281	403 33	3,370	120 29	
Centrifuges, other than cream separators and drying machines	<pre>(1) { (11) </pre>	1,686	1,561 97	747 23 246	} 15 12	}		(1)		(1)	
Chemical and gas making machinery and plant, not elsewhere specified	( ())	Tons	235								
Mineral oil refining Oil (other than mineral)	$ \begin{cases} (1) \\ (11) \\ (1) \\ (1) \\ \end{cases} $	5,202 6,759		1,033 184	18 17						
extraction and refining	(11)	6,759		1,430 231	20 7						
									1		

TABLE 8 (contd.)										
Kind of output (1) Complete machines, etc	1937		1948 Sale				1937 ( Produc		1935 ( Product	
(11) Replacement parts		Quant	tity	Value	Entries	Quan	tity	Value	Quantity	Value
Chemical and gas making mac and plant, not elsewhere specified (contd.)	hinery	Tor	IS	£1000	No.	То	ns	£'000	Tons	2,000
Paint, varnish and ink making	$\left\{ \begin{array}{c} (1) \\ (11) \end{array} \right\}$			628 80 138	} 37 40	0.0	1	. mach.ine	sos , galni	
Soap and fatty acid making	(1) (11)	1,34	16 •	415 24	23 17		(11)j	e (083860 2 (Q)	17654(1126d) 1024 - 056.)	
Plastic making (moulding powder, etc.)	$\left\{\begin{array}{c} (1)\\ (11) \end{array}\right\}$	505) 18.	·	227 106 16	<pre>20 12</pre>	(1)	25,997	1,426(n)		1, 073 (n)
Gas producers (coal and coke)	{ (1) { { (11) }	12 276.	• • 834 387	179 1,040 559	<pre>} 10     25</pre>	(11)	••	312 (n)	itunen an	108(n)
Water gas plant	$ \{ (1) \\ (11) $	a starting and a starting of the	'0 •	311 54 58	9 10	>		g nachlne able powe	road-hakt	19330 (axa)
Other (including by- products plant for use at gas works)	{(1) { (11)		• •	3,700 996 1,861	<pre>} 102 117</pre>			aut sneep	and road rollers) civil. eng	foot Other
Reconditioned chemical and gas making machinery and plant (f) (1) and		1101	•	58	888 •••			(1) a (1) (1)	nery and (1) htioned of	nasa pian Recon
Unclassified	{(1) < {(11)	The state of the state of the	50 • •	202 241 53	} 13 12			(1) and	aering and acting nery and. (1)	ligns ldóan naig
Civil engineering and contracting machinery and plant		No.	Tons		10			ul. hinery	aified cit sering man lant	Uncla engli and
Excavators and similar digging machinery			75- 75- 86- 19-		134			inery	tting mac	o stolo
Trenching and ditching machines	{(1) . (11)	266 70 ••	2,545 •• ••	572 285 198	} 10 14		16.045	1,458(0)	10,879	958 (0)
Other (excluding cableway dragline excavators and rope-hauled dragscrapers	$\begin{cases} (1) \\ (11) \end{cases}$	1,045	19,906	3,921	12		16,045 ••	305	10100.000	179
Loading shovels and dumpers	$\begin{cases} (11) \\ (11) \\ (11) \end{cases}$	1,852	 7,662	2,461 1,747 488	14 8 18			3 8	2, 478	riedzi) r dana
Bulldozers, angledozers, rooters, graders, scrapers and levellers	{(1) {(11)	814 462 ••	2, 175  	495 424 15 213	<pre>13 18</pre>	1 .88.		(1)	and measur ma (1) is plant	(1)
Pile drivers and pile driving plant (i) and	(11)	{  ::	210 ••	36 230	} 11	-				Cesiples
Mortar mixers	{(1) {(11)	{ 366 ••	849 225 ••	106 28 23	} 6 6				be (11)	anginga Unitan
DS 42528/1								1	1	125 48528/

DS 42528/1

MECHANICAL ENGINEERING (GENERAL)

<sup>4/</sup>I/11

4/I/12 ·

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

### TABLE 8 (contd.)

Kind of output (1) Complete machines, et				1948 Sal	3 (a) .es		1937 Produ		1935 (b) Production	
(11) Replacement parts	itity .	Qua	an ti t	y	Value	Entries	Quantity	Value	Quantity	Value
Civil engineering and contr machinery and plant (conto	racting i.)	NO.	10	Tons	<b>£'000</b>	NO.	Tons	£'000	Tons	£'000
Concrete mixing, placing finishing, etc. machine						2,747		and tak	d (conte	specifi Pafat.
Mixers, (fixed, portable truck, etc.) (p)	$ \begin{array}{c} \left\{ \begin{array}{c} (1) \\ (11) \end{array} \right\} $	8,294 3,22	1	9,493	1,542 445 250 360	25	9,754	734 83	8,555	503 63
Other	{(1) {(11)	1,308	5	1,162 191	212 134 16 53	20	}	(1)		(1)
Tar, bitumen and asphalt plant, with or without mixing gear		150	Tons 5,870	040 569 311	732 119	22 25		0a1 and	encers (c	ngries) (esleo (1)
Other road-making machine (excluding portable powe tools and road and sheep foot rollers)	erini		994		154 56 38	18 21	(1)7,095 (11) ••	331(q) 92	5,860	258(q). 91
Other civil engineering machinery and (1) a plant (f)	and (11){		896		89 154	} 10	(11)	al 23 emical machinery	gab wora tioned ch a making	
Reconditioned civil engineering and contracting machinery and (i) an plant (f)	nd (11){		299		45 447	9		457	618 Daild	a Stanu
Unclassified civil engineering machinery and plant	{(1) (11)		::		61 131	••	-		insering ing mathi c _	
Cloth cutting machinery	{(1) {(11)		134	ana	73 80 19	9	}	(1)		(1)
Condensers, other than mar For steam turbine plant	ine (1) { (11)	No. 71  121	70	Tons 2,246 2,456  147	702 750 173 89 83	12	(1)4,621	692 85	4,271	549 93
Other	(1) (11)		8 -	80	21 21 9	> 11 7		10 50	s stovels	guitheol
Counting and measuring mechanisms (f)	{	63,959 ••		••	119 145	6		dozers,	alyne .: 1	
Degreasing plant			ies .	an Sta	440 4		(11)	(Brails	s and lev	indunas
Complete	ł		41.5	477	144 19	} 14	· [] •th	bas (1)	ens end ving plant	
					35	9	8 hours			
Replacement parts Unclassified				P.S.	1.000	83 18			ixers:	

TABLE 8 (contd.)

TABLE 0 (CONTO.)		
Kind of output (1) Complete machines, et (11) Replacement parts	c.	Q
5000 Tons	( ano?	No.
Dishwashing machinery	) (1) (11)	•••
Drying machinery, not included elsewhere		
Centrifuges (1) an	d (11){	••
Gas fired	(1) (11)	446
Electrically heated	{(1) {(11)	393
anties topi.pre	( (1) {	2,176 77
Infra-red driers	{(11)	
Heated by solid or pulverised fuel	$ \begin{cases} (1) \\ (11) \end{cases} $	295
		116
Other	(1) (11)	197
Electric lamp and radio valve making machinery, not elsewhere specified	$\left\{ \begin{array}{c} (11) \\ 1 \\ (11) \end{array} \right\}$	••
Emulsifying machines, not	<pre>∫ (1) {</pre>	
elsewhere specified	)(11) (	1,393
Fans (other than electric fans), not	{ (1) {	3,653
included elsewhere	(11)	••
FILCEIS		
Filter presses	${(1)}{(11)}$	••
Other filters (f)	1 des	
Air	(1) {	
Fuel and oil	(1) {	
Other and unclassified	(1)	
Parts	{	• •
DS 42528/1		1

DS 42528/1

### MECHANICAL ENGINEERING (GENERAL)

-1948 (a) Sales 1937 (b)(c) Production 1935 (b) Production Quantity Value Entries Quantity. Value Quantity Value Tons £'000 £'000 £'000 No. Tons Tons 209 136 41 225 11 •• (1) (1) .. •• 10 (1)3,085 (11) ... 143 37 187 89 432 292 111 2, 366 6 .. .. 239 1,337 11 19 .. •• 203 159 43 64 12 11 5 :. 67 34 23 23 4 234 30 15 •• 6 24 220 23 1,552 8 11 •• 179 55 137 63 50 975 (1) (1) •• .. 701 34 ••• 21 74 155 67 40 16 •• 19 141 108 25 127 12 •• 10 83 39 8 17 17 392 •• 66 24 .. 16 •• 270 185 96 2,226 14 1,961 86 2,473 88 ... 17 18 19 .. .. 1,057 162 190 7 ---.. 621 58 3,058 7 ---•• 348 ---•• •• 71 83 22 5 ---••

.

MECHANICAL ENGINEERING (GENERAL)

### TABLE 8 (contd.)

	and the second			dan in analysis		here is a second		and the second s	
Kind of output (1) Complete machines, etc (11) Replacement parts				8 (a) les		1937 Produ	(b)(c) ction	1938 Produ	5 (b) action
	. 12 12 061	Quar	ntity	Value	Entries	Quantity	Value	Quantity	Value
Food preparation, processin sterilising machinery (r)	ig and	No.	Tons	£ <b>!</b> 000	No.	Tons	£'000	Tons	£'000
Bakery and biscuit ovens	(s)				and a second		pot	e Treatios	malent
Electric (1) an	d (11) {	••	177	52 25	} 8		ene 	nuosis b	
Gas	$\begin{cases} (1) \\ (11) \end{cases}$	591 427	5,698	766 158 106	} 22 16	(1) 4,636	322	2,958	195(f)
Other	{(1) { (11) }	190 169 	1,868 285	154 63 37 13 69	} 25 22		33	si viino.	etreta
			ons			1.11(1)			
Bakery, biscuit and flour confectionery machinery, not elsewhere specified		10,	704 ••	3,781 727 622	} 76 68	(1) 5,142	764(t)	9,594	1,097(t)
Cocoa preparation, choco- late and sugar confectionery making	{(1) { (11)	2, 211		640 247 98	} 27 32		72	1108.••). 101 beals	77
Canning (including industrial washing, peel ing, etc.) machinery (u)	-{(1) { (11) {	1,	375	362 107 59	} 20 16	287	41 17	186	32 9
Dairy machinery and plant not elsewhere specified	•		1993	1. 45 1. 45				and guild.	
<ul> <li>Churns for butter making, combined churns and butter workers and cheese presses</li> </ul>	{(1) { (11)	19	115 	38 17 4	} 5 5	112	9	155	16 - 1
$\int$ Other dairy machinery	{(1) { (11)	5,	054	1,154 1,129 206	} 39 43	3,263	495 45	4, 115 ••	475 - 35
Mineral water making machinery and plant	(1) { (11)		831	352 203 197	} 14 { 13	229	52(f) 63 28	}	(1)
Brewing and distilling machinery and plant, not elsewhere specified	${(1)}{(11)}$	9,	345	1,425 692 369	} 42 51	4,116	456 92	3,425	413 64
Sugar making and refining other than centrifuges						1 ast		929990	Rijten Viner
Complete		9,	167	1,422	15	8,027	428	9,765	450
Replacement parts	-			526	24	(t) 	331		261
Unclassified				516	5.8				in det
	-				6.		bellias	tonu one	
			1.1.1.1			1 11 11			

TABLE 8 (contd.)

TABLE 8 (contd.)					and a logical in		
Kind of output (1) Complete machines, etc.		18 (a) ales	(a) o esi	1937 (b)( Production		1935 (b) Producti	on
(11) Replacement parts	Quantity	Value En	tries	Quantity	Value	Quantity	Value
Food preparation, processing and sterilising machinery (r) (contd.)	Tons	£'000	No.	Tons	000 ا£	Tons	21000
Cereal breakfast food {(i making {(ii		$ \begin{array}{c} 18\\ 3\\ 9 \end{array} $	10	(1) (4, 452	598	3,163	430 112
Other machinery for the preparation, processing or sterilising of fcods, not elsewhere specified (11		3,281 1,011 817	147 150		224 86	naidie elase- tini scontosi elase-matas	66
Reconditioned food pre- paration, processing and sterilising (1) and (1) machinery (f)	){ 310	26 26	5		(11) (a) (11- 11	ninery and pla socilies (1) a	1800 -
Unclassified food pre- paration, processing and sterilising machinery {(1)	) { 220 )	49 325 25	10 9		-	(x- (x- orventes)	
Founding and die casting machinery (f)	11				100,6		inentais
Complete	2,484	413 209	20	599	79	452	37
Replacement parts		104	9	••	.13	pred <b>t</b> ion	14
Unclassified		668	14		-	amatiquasb.	01530
Gas meters	No. Tons	3		No. Tons	(11)	No. Ton	s ·
Domestic { (1		56 2,920 1,030 32 1,202	46 36	(1) 650,304 5,956 (11)	2, 157 427	654,764 5,46	<b>5</b> 1,878
Other {(1	1) { 2,352	73 424 97 5 83	> 35 19			the states of th	
Glass-making and glass-working machinery and plant (V)				Tons		Tons	
Fully or semi-automatic multi-head glass bottle making machines (1) and (	(1)]	26 i1 •• 86	7	(1) 153	21 (W		107
Other glass container {		·• 34 •• 24	••7	(11)	20		20 70 1 1 1 1 2 1 2
Furnaces {(	1) ···	·· 78 •• 11	5	84, 985 4, 985 4, 985	(1)	ann ann 94. aold se	97 1304 52 5360
Annealing lehrs		440     79        24       54     10        93        35	) 13 10		at a second	ensinosa a rist viisti su sistema	010394 11919 101
						the with the star	No.
							8-65-84

DS 42528/1

DS 42528/1

```
4/I/15
```

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

TABLE 8 (contd.)

TABLE 8 (contd.)

						(sornoo) 8	3.18-17	TABLE 8 (C
Kind of output (1) Complete machines, etc (11) Replacement parts	•••	948 (a) Sales	2463	1937 (b Produc	)(c) tion	1935 Produc		Kind of out (1) Compl
eutari vetterup anter	Quantity	Value 1	Entries	Quantity	Value	Quantity	Value	(11) Repla
Glass-making and glass- working machinery and plant (v) (contd.)	Tons	£'000	No.	Tons	£' 000	Tons (1) 654	£1000 64	Laundering machinery, textile fin
Electric lamp bulb making and radio, etc. valve bulb { (1) making machines { (11)	::	72 52	7 5	(1) 968 (11) ••	98 32	(11)	39	Washing m electric For dom
Ophthalmic glass- (1) working machines (11)	{ 131  	54 8 2	8		site 10 attanet	analiana Malalian Malalian	entro Ista	Other
Other glass-making { (1) and glass-working { (1) machinery and plant (11)	{ 725 	210 132 129	34 42		beltited pre-	alsewhere a	908. 19089	For oth domest
Unclassified (1) and (11)		290	9	( <u>1</u> )	- and	sterilletes	UNDE.	domes o
Grain machinery and $\begin{cases} (1) \\ plant \\ (x) \end{cases}$	{ 8,307  	2, 152 282 446	45 37	4,489	391 139	<b>4,</b> 643	350 125	Washing m electric For dom
Gravel crushing, washing and screening (1) plant (11)	3, 118	331 219	18 28		(1)	Linery · · · · · · · · · · · · · · · · · · ·	(1)	With
Hydraulic machinery	No. Tons							Liegtr
Hydraulic $\begin{cases} (1) \\ accumulators \end{cases}$	{ 50 829 •• 11 •• ••	103 4 11	12	(1) 0 000		ene canent part		With drie
Other descriptions, (1) not elsewhere (11) specified (11)	{ •• 1,415 •• ••	305 166 136	23	(1) 9,600 (11) ••	607 83	8,377	459 72	Other domes
Insecticide and similar spraying machinery (f) {(1) (11)	431	301 182 119	11 13	220,103 228,384 (1) *1	(1)		(1)	Hydro-ex
Laundering and dry cleaning machinery, other than for textile finishing			772	645.1 555.5 (1)		4.515		Drying m
Wringers and mangles	TTAL BROT DEL			1 26		t bts untin		Ironing
For domestic use $\begin{cases} (1) \\ (11) \end{cases}$	535, 435 11, 533 106, 928 283	1,832 383 47 29	29 19	19, 301	1,153	17, 312	992	Dry clea
Other $\begin{cases} (1) \\ (11) \end{cases}$	•• 13	3 -	5		15	aninaserin se se section	21	Steam pr
Stands for domestic wringers and mangles, sold as such (11)	38,305 161 8,885 •• 83	24 6 6	13	: H	1	o, ruseiaa	1217	Other la cleanin
Washing machines, not electrically driven	•• ••	St 12	•••	Rus.		a de la companya de		Recondit and dry machine
For domestic use		. 04: 38	10-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	(11)		and strategy		Lawn mower
With wringer {(1) {(11)	31,307 1,522 9,869	311 109 74 37	10 9					Hand dr:
D8 42528/1			]			nalt	si 86	DS 42528/:

1948 (a Sales tput lete machines, etc. Va acement parts Quantity Tons a' , and dry cleaning No. inishing (contd.) machines, not Ically driven (contd.) mestic use (contd.) 721 19 36, 173  ${(1) \\ (11)}$ • • •• ... 548 940 (1) 188 33 her than •• stic use (11) .. .. machines, ically driven omestic use 80,715 42,114 3,294 ∫ (1) wringer .. tached (11) .. .. 1,070 11, 143 5(1) centrifugal 20,617 •• (11) ier ... .. 276 566 587 5 (1) than for ... stic use (11) •• .. 693 172 1,042 j (1) •• xtractors l(11) .. 455 418 562 (1) ••• machines (11) •• 241 3,036 1,891 {(1) {(11) ... machines .. {(1) {(11) 234 325 eaning washers .. ... 2,078 488 1,594 ( (1) ••• •• presses (11) .. 546 laundering and dry (1) ing machinery (11) •• .. .. •• itioned laundering ry cleaning nery (f) 228 .. (1) .. .. ers 481,912 8,361 .. 139 {(1) (11) •• riven ••

/1

MECHANICAL ENGINEERING (GENERAL)

					(,b) noo	) 8 3184T
a)	84 5.(s	81 8	1937 ( Produc	b)(c) tion	1935 Produc	(b) ction
alue	En	tries	Quantity	Value	Quantity	Value
000		No.	Tons	000 ا£	Tons	£' 000
			24,744	115 Artve ((1)	machanica nator	o Lenins Louises
143 4 4 220 60 12 67		6 5 17 18	2, 510 	es 62 gt (1 (1 (1 )	and an	
L,269 L,150 84	~	16 18	(1) 10,902	1,278(y) 78(y)	9,728	1,069(y) 64(y)
310 751 66	~	000.0	10 ( 6-80.1 (		e torret bas	stelltron
155 214 41	13	16 16	1,437			Sanding.
312 35 102	15	13 16		(11)) (1))-eyob	auteasta	BOUDINE
173 81 32	. 1	16 15	1,430		and locking	thathese -
414 113 50	30	14 11	845 11		d drilling	Bortna
182 20		16 12				gatilsu
490 60 15 40		15 10	508 352		(general	Universal Joiners
19: 16: 7:	3 5	33 34	434		beowy.Fg t	sec.
32	5 ]	108	1, 510 1, 510		antkine toole	Other Wo
1, 38 2 14	21	12 25	8,63	51 539 • 54	7,575	416 41

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

### TABLE 8 (contd.)

Quantity

No.

••

.. ••

..

..

::

1,071 159

••

..

407 240

••

187 257

••

..

Tons 335 ••

..

...

3,908

••

451 ..

2,699 ..

( (1) {

f (1) {

(11)

(1)-

(11)

(1) (11)

{(**1**]

{(11) (11)

Tons

6,245

1,452

kW. capacity 31,153

Therms/ hr. capacity 2,285

Tons 392

### TABLE 8 (contd.)

			· · · · · ·				Sec. Marchine		an a		TABLE 8 (CONCUS)	
Kind of output (1) Complete machines,	etc.	1911 1919		8 (a) les	1916 6316	19 Pr	37 (b) oducti	(c) on	1935 Produc	(b) tion	Kind of output (1) Complete machines, etc. (11) Replacement parts	
(11) Replacement parts		Quan	tity	Value	Entries	Quan	tity	Value	Quantity	Value	(11) Replacement parts	
Lawn mowers (contd.) Animal or mechanically	driven	No.	Tons	£' 000	No.	To	ns	£1000	Tons	£' 000	Cutting tools, cutterheads, etc. for wood-working	
Petrol motor	{ (1) { (11)	24,744 2,795	2,117	1,017 218 209	} 13 18	1	,989	433 98	1,560	323 92	machines, except drills and saws and saw blades (f) Mechanical power transmission	
Other	(1) (11)	3, 516	499	182 65	5 6	36, 57	211	18 13	164 ••	13 7	plant Complete	Y
Lighting appliances not elsewhere specified	{ (1) { (11) {		281 ••	260 224 78	} 19 { 11	1. Na	391 	47 216 8	362	32 206 9	Replacement parts	
Machine tools, wood-work: other than portable powe tools		1 	84		17 AN	4			other than satic use		Unclassified Metallurgical furnaces	
Sawing	(1)	20,750 3,475	5, 329	1,283 184	82		488	9097 7902	s machinas risgliy-dr	aldesv Sleete	888 Barrier 655	(1) 11)
	(11)	4,146	 3,313	173 153 1,097	55	80, 71 42, 45			n strater n	103460 IW	Other metallurgical furnace	S
Planing and moulding	{(1) {(11)	359	••	1,057 117 58 121	45				utached		FIECOLIC	(1)
Mortising and tenoning	{(1) {(11)	1,684	1,506	458 62	29 18	18,08		1691	n centrin rier	ΣИ: Б	Lisse and when parts the units	(11)
Sanding	{(1) { (11)	1,437 342	655 42	184 36 5 11	34			83	esticuse		Gas	(1)
Routing, recessing, down tailing and locking		410 211	335	108 65 14	} 17 11			(1)	sxtractors		tuplicatora	(11)
Lathes	{(1) {(11)	1,430	269 ••	81 17	17 8	(1) 6,	, 534	826 104	5,843	638 84	011	(1) (11)
Boring and drilling	$\begin{cases} (1) \\ (11) \end{cases}$	348	162 ••	62 7	17 11		(11) (11)	104	eeninem j	04	Other descriptions Complete	
Nailing	$\begin{cases} (1) \\ (11) \end{cases}$	97 •• 603	118 •• 566	36 9 125	•••			1973 1983 - 1	aaning was \$12,51		Replacement parts	
Universal (general joiners')	{ (1) { (11)	122		34 4	} 8 5	3		18	esses Tesses		Unclassified Mining machinery, excluding	
Veneer and plywood	{(1) { (11)	464	1,019 69 ••	219 12 19	} 13 5			i ana ara tre	launderine ing machin		portable power tools	(11
Other wood-working machine tools	(1) { (11)	2,223 1,510	801  	215 133 10 51	} 46 33		.(1)	ntisting	itioned la ry cleanin nery (1)		Winding	(11
Reconditioned wood- working machine tools (f)	{(1) { (11)	74	12 250 	12 42 83 2	9	J	(1)		ere tritten	Vom nwisd 145 base	100 · · · · · · · · · · · · · · · · · ·	
DS 42528/1		1 A		GAE 1						1979 20		

DS 42528/1

DS 42528/1

MECHANICAL ENGINEERING (GENERAL)

					(.51 noo)	8 ALEAT
1948 Sale	(a) es	5101	1937 (b) Product1	(c) on	1935 Produc	(b) stion
cy	Value	Entries	Quantity	Value	Quantity	Value
ons	£'000	No.	Tons	£' 000	Tons	£'000
	232	16	-	as (can) mend	nod zavoa	eldedrod enevo <del>ni</del>
81. (S	44204	888	(1) (11)		0131	
245	1,053 1,220	- 40	17, 522	898	17,310	805
••	666	49		128		124
	1,647	•••	(11)	-	olta	ana ente
,452 	272 214	<b>1</b> 5	9,547	393 122	17,552	567 93
W. pacity , 153   erms/ ir.	787 507 66 402	35	{ 865 •• ••	52 374 19	259 •• ••	17 117 5
2,285  Tons 392  s	213 64 408 122 33 91 117 93	21 20 23 18	{ (1) { 18, 623  (11)	359 57 42	10, 622	221 44 30
5 •	59 207	25	ters	trwegt:	rated ther	carde).
•	72	20			30	A LA
•	127	181	19,012		110	000
08	1, 519 1, 244	, 11 22	2,093	398 389	1,774	318 285
51 •• 99	56 99 346 50	8 9	(1) 7,956 (11) ••	501 134		
						at the second second

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

TABLE 8 (contd.)

TABLE 8 (contd.)										
Kind of output (1) Complete machines, et (11) Replacement parts	.c.			8 (a) les	1943 (4 Sales		1937 (t Product	D) (C)	1935 Produc	(b) tion
		Quar	ntity	Value	Entrie	s Qua	ntity	Value	Quantity	Value
Mining machinery, excludin portable power tools (con	g td.)	T	ons	£'000	No.	r	lons	£'000	Tons	£'000
Conveyors, underground			4 (2)22 - 2-	1 252					except dr	Real dosa
Pneumatic	{ (1) (11)	3,	858	443 309	9 13				иті темоф і	He stant ca
Electric	{ (1) (11)	30,	437	3,833 2,641	14 20			18	184	Complet
Power loaders	1.11			985	1			47	see	an a Ritala
Pneumatic	$ \left\{ \begin{array}{c} (1) \\ (11) \end{array} \right\} $		170 •• ••	43 25 22	}				bsill i	BBBIOND
Electric	$\left\{ {{} (1) \\ (11) } \right.$	100.76	514 ••	188 67	6 5	(1)	24,949	1, 407	23, 812	1,046
Hauling engines, stationa	ary					(11)	••	828	etallurgios	639
Pneumatic	{ (1) { (11)	1,	020	157 57 135	<pre>} 7 13</pre>					
Electric	{ (1) { (11) {	1,	126	171 198 167	<pre>} 16 18</pre>	681	(11)		9.IT	
Other mining machinery	{ (1) { (11) {	15,	318	1,815 514 1,681	<pre>     74     105 </pre>					
Unclassified mining machinery	$\left\{\begin{array}{c}(1)\\(11)\end{array}\right\}$			1, 339 377	10 22	04-8		-	-	- 648
Office machinery		No.	Tons	1 30	- Annt					
Accounting, calculating, adding, listing, book-ke billing or posting machi or any combination there (not being machines oper in conjunction with punc cards), including typewr incorporated therein	nes, of ated hed	1, 4900 (1) (1)345	85 81 98 98		802 11		(1) (21)	826 104 eac	Sana Gescripti Diste	
Complete	100		08	27			1			
Electric	(1)	6,709	147	770	7				placement p	
Other		19,692	161	573	5			entouros	achinery, e	
Cases and other parts thereof, other than em ribbon spools, parts o spools and inked ribbo	f such	••	11 11 12 12 12 12 12 12 12 12 12 12 12 1	38	7	8		a	e power tob utters, pow ted	LGEITÉO D. LEOD ETEGO
Cash registers and parts (other than empty ribbon spools, parts of such spo and inked ribbons)	ools {		511	1, 011 143	} 5	(1) (11)	370	693 96 92	305 	438 102 48
15 42528 (1										

TABLE 8 (contd.)

1948 (a) Kind of output (1) Complete machines, etc.(11) Replacement parts Sales Quantity [Va] 121 Tons Office machinery (contd.) No. Punched card machines, includ-ing card punching machines and verifiers 836 3, Complete .. Parts thereof, other than empty ribbon spools, parts of such spools and inked 222 ribbons .. Typewriters Complete New Not exceeding 22 lb. in 20,741 105 weight Exceeding 22 lb. in weight 46,665 806 6,856 14,062 119 Reconditioned •• .. ... Cases and other parts thereof, other than empty ribbon spools, parts of such spools and inked ribbons •• ... \*1, 322 1,324 [-(1)] 2,759 .. Duplicators •• .. )(11) ... •• Addressing machines 322 10, 199 Complete Cases and other parts thereof, other than empty ribbon spools, parts of such spools and inked ribbons 993 .. Coin sorting, counting and wrapping machines (1) and (11) 2 •• .. .. Letter opening, letter sealing, stamp affixing, postage franking, perforating, and cheque writing machines and machines for the automatic production of typewritten correspondence, not including typewriters 81 4,779 55 Complete •• .. ...

DS 42528/1

DS 42528/1

MECHANICAL ENGINEERING (GENERAL)

) (0)	1948 1921	1937 Proc	7 (b)(d iuction	2)	19 Pro	35 (b) ductio	n
lue	Entries	Quant	lty	Value	Quanti	Value	
000	No.	Tons	3	£'000	Tons	3	£'000
255	6		900 (00 0	redorid Paeponde Pitere			101 3 15 3 00 000)
678	5	2	A10.93	enta enta godatti			10
		No.	Tons	ge daine	No.	Tons	ads and
				26	nacal n		other Sholar
277	5	46,255	575	547	29, 173	409	384
333	7	Y	(11)	(20193) (1) and	THE OWE		6110)
207 336 41	51	5,165	78	59	15, 396	••	169
	**	Ton	.S		Ton	S	e voluel sprayte
106	16		••	42	ar sitte	•	25
956 362 130	12			1	ischine achine iachine	(1.3710); 1. av 1.34 (7.9, . db)	The tran
269	12	-	(1)	do	(anona)		Prevant
					541915		CODEL DILL
425	5				80000 1997		Pretante Pretante
101	8			Pod Lo			
401	0	are pr		Lenane	n this n		
29 26	}	247,92		A LUNGY	nood-soon Ang ang adus sr 1		2 6914 (3 50.8 \$1 608
	249	18, 196			teres mos		and the second
	**		883 ••	403 277	6(	01	304 270
175 3 20	9			rpe. Le ses la solitation la solitation			

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

#### TABLE 8 (contd.)

## DIE 9 (acated )

TABLE 8 (contd.)							TABLE 8 (contd.)	
Kind of output (1) Complete machines, etc. (11) Replacement parts	1948 (a) Sales	194 #3	1937 (b)( Productio	(c) on	1935 (b) Production		Kind of output1948 (a)1937 (b) (c)1935 (b)(1) Complete machines, etc.SalesProductionProduction(11) Replacement partsIn the second se	
	Quantity Value	Entries Qu	uantity V	Value	Quantity	Value	Quantity Value Entries Quantity Value Quantity Value Quantity Value	
Office machinery (contd.)	Tons £'000	NO.	Tons §	£'000	Tons	£'000	Portable power tools (contd.) No. Tons & 000 No. Tons & 000 Tons & 000	
Letter opening, letter sealing, stamp affixing, postage frank- ing, perforating, and cheque writing machines and machines for the automatic production of typewritten correspondence, not including typwriters (contd.)	5, 565 6 (1832.)S	250	-auto es il	tonn p	a certi neol ano punchi califiera alate alate thereol.		Petrol (contd.) Of the type employed (1) 1,961 230 108 6 in civil engineering, (1) 442 40 5 mining and quarrying (11) 67 5	
Cases and other parts thereof,		5555	Data	n brie		14	Complete machines $\left\{\begin{array}{c c} \cdots & 1,982 \\ \cdots & 273 \end{array}\right\}$ 25 $\left(\begin{array}{c c} \cdots & (1) \\ \cdots & (1) \end{array}\right)$ (1)	
other than empty ribbon spools, parts of such spools and inked ribbons	11 24	5				EWBEYT	Replacement parts 139 31	
	•• 28					CONT	Unclassified 73	
Other office machinery $\begin{cases} (1) \\ (11) \end{cases}$	·· 498 ·· 178	32 16				a);	Presses, not included else-	
Unclassified parts, of plastic materials (f)	•• 30	11		dis an	Not exceed	_	Tableting and pellet- 65 72 24	
Reconditioned office machinery (other than typewriters) (f) (1) and (11)	284	17	10	.01 31	Sciecolog. Weight		Ing presses, other than for powder metallurgy $(1)$ 13 $\cdots$ 6 $82$ 15 $12$ $\cdots$ $(1)$ (1) $\cdots$ $\cdots$ $86$ $12$ $\cdots$ $(1)$	
Paint spraying, metal spray-	No. Tons	6.8.6 4.008			enptotbioo	5	Plastics moulding, other than tableting and pelleting	
ing and similar machines, excluding insecitide spraying machines	••• 411 186 •• •• 697 •• •• 323	33 31	einpty	r parts	s and othe	ees0 sca	Hydraulic $(1)$ $727$ 2,306 $676$ 166 85 $107$ 21	
Plantation machinery $\begin{cases} (1) \\ (11) \end{cases}$	••• 1,540 293 ••• 64	21 17	••	(1)	son spools a spools a bone	(1)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Plastics working and manipulative machinery, (1) { other than presses (11)	1, 320         319            60            38	27		-	ators		Other $\begin{pmatrix} (1)\\ (11) \end{pmatrix}$ $\vdots$ $\vdots$ $\begin{pmatrix} 27\\ 16 \end{pmatrix}$ $\begin{pmatrix} 10\\ 9 \end{pmatrix}$ Other presses, including	
Pneumatic appliances not {(1) included elsewhere {(1) (11)	•• 624 163 •• 115	9	(4)	2.67	tidnes pate		baling presses	
Portable power tools	2 243	125 611.01	u		0101		Hydraulic $\begin{pmatrix} 1 \\ 11 \end{pmatrix}$ $\cdot \cdot  288  41  34$	
Pneumatic				in parts	a and othe		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Of the hand held type (including flexible shaft drive tools) as	ios i	109		en phàn spools spools spools bices	redf, Sthe sy ribbon ts of auch inked rib		Other $\begin{pmatrix} (1) \\ (11) $	
	14,971     133     182       14,741      221        379        297	16 16 (1)	1	376 54	392	312	Prime movers (other than marine, steam reciprocating winding engines for mining machinery, or engines for aircraft, motor vehicles or	
Of the type employed in { (1) { civil engineering, mining and quarrying { (1) }	16, 195     249     478       4, 147      175        245        617	21 (11	1) •• as ind	194	ATT. AIRS	191	Internal combustion, reciprocating	
Petrol			lo dence	action <	stites produ		Compression ignition (diesel and dual fuel)	
Of the hand held type (including flexible shaft drive tools) as employed in the general engineering, metal-	100 - 100 -	6 6 12.4		in mod ca	hiciudiff		Not exceeding 50 h. p. $\begin{cases} (1) \\ (11$	ab)
working, wood-working, stone-working and building industries {(1) {	647 50 69 1,230 102 53	5	• •• (	(1)	••	(1)	Over 50 h.p. not $\{(1)$ a, 530       369,976       5,640       17 $(1)$ 32,058       3,531(ab) 720       29,492       2,750(a) 584         exceeding 300 h.p. $(11)$ $\cdots$ $760$ 18 $(11)$ $\cdots$ $720$ $\cdots$ $584$	
DS 42528/1		P.			test	1089. BO	DS 42528/1	CUL -

### MECHANICAL ENGINEERING (GENERAL)

DS

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

### TABLE 8 (contd.)

MECHANICAL ENGINEERING (GENERAL)

1948 (a) Sales

...

Tons 7,067

••

1,838

3,334 152 ••

1, 435 231

2,570 ••

3,804 227

••

••

1,478

1,554 115

3,919 311

•••

..

••

174

••

11, 313

•••

...

Quantity

•••

•••

•••

No.

18,395

111,706 .. ••

3, 612 4, 553

10,902 4,648

49, 196 15, 198

.. ..

..

..

. . . ..

369 381

••

••

••

••

186 46

••

10, 986 10, 287

37, 464 10, 412

•••

TABLE 8 (contd.)									TABLE 8 (cr	TABLE 8 (contd.)		A I
Kind of output (1) Complete machines,	etc.	1997 (1 1997 (1	Sa	3 (a) les	(a) (a) 94185	193 Pro	7 (b)(c) duction	1935 Produ	(b) ction	Kind of output (1) Complete machines,	etc.	Street States
(11) Replacement parts	259	Quan	tity	Value	Entries	Quantit	y Value	Quantity	Value	(11) Replacement parts		
Prime movers (other than marine, steam reciprocat winding engines for mini: machinery, or engines for aircraft, motor vehicles or locomotives) (contd.)	ng r	No.	Н. р.	£! 000	No.	Tons	£'000	Tons	£t 000	Prime movers (other than marine, steam reciprocat, winding engines for minin machinery, or engines fo aircraft, motor vehicles or locomotives) (contd.)	ng r	
Internal combustion, reciprocating (contd.)	200.00 300.00 17%						ne ((11)   y	and quarryll	pottary mail	Other and unclassi-	(1) (11)	
Compression ignition (diesel and dual fuel) (contd.)	() une							achines	Complete m	Pulp making and paper and board making	( m)	
Over 300 h.p. not { exceeding 1,500 { h.p.	(1) (11)	285	162,820	1,759 541	11 10			t parts.	Noplaçamon Unclapsiji	machinery, including finishing machinery (ae)	$\begin{cases} (1) \\ (11) \\ (11) \\ (1) \end{cases}$	
0ver 1,500 h.p. {	(1) (11)	5	9,120	136 25			14091	Included e	Fresses, not	coal Pumps	(11)	
Paraffin, petrol and other spirit	n) :		3	N O SI	78 87	1 30	(1)	a pellet	n Beijsien asessig Bei 190 Den	Petrol and oil	{(1) {	
Not exceeding 10 h.p.		55,926 54,105	168,734	1,791 614 219 237	19		aner elleting	ouiding, on sting and	netalleter Nestleter Dauf tall	measuring Hand pumps, other than petrol and oil	$\left(\begin{array}{c} (11) \\ (1) \end{array}\right)$	
Over 10 h.p. not { exceeding 100 h.p.(	(1)	1,883	59,524	270 38		11/4 21	8 626 • 111 • 101	2,792	.431 65 67	measuring Pumps, other than petro	(11) ol	,
Over 100 h.p. {	(1)(11)	1.1		-			(11)) 			and oil measuring and hand pumps		C
ACLER CHARLESCORE SERVICE	(1) (11)	353	10, 480	180 112	6 10	1,28		841	59(ac) 37	Steam reciprocating	{(1) (11)	
In compusitions	(1) { 11)	235	78,482	1, 194 176 66	} 6 ••	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Gitter pro	Other reciprocating	<pre>(11) {(11)</pre>	Cred
Unclassified reciprocating internal combustion engines	(1) 11)			152 1, 510	5 24	24-3				Centrifugal and axial flow	<pre>{ (1) ·</pre>	-V-
Steam reciprocating	1	No. of sets		3		4.9 -12		di materi a		areal of the story of the second	(11)	5
Engines for driving { electric generators {(	(1) { 11)	193 8 ••	17,596	156 10 102	} 6 8		ating ining for a set	san recipion sines for m or engines	wartoeijst winding en wachinery	Turbine	{ (1) ((11)	-
Proprison for diffiting (	(1){ 11)	83 6	2, 373 	28 3 16	}	(1) 2,98 (11) .		2, 598	231 155	Rotary	{(1) · (11)	Y
ounci, except pump 3	(1) 11)	203 109 ••	12, 283 	124 186 246	} 9 19		n. (leil)	ating sion igniti i and deal	reciprod Compres (diose	Other	<pre>(1) ·</pre>	V
SLeam furbines	(1) <sup>{</sup> 11)	190	619,936	1,617 3,077 1,075	} 14 17	9, 201	154	7,902	1,418 364	COMMUNICATION CONTRACTOR COMMUNICATION OF A CONTRACTOR COMMUNICATION OF A CONTRACTOR OF A CONTRACTOR COMMUNICATION OF A CONTRACTOR OF CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A	(11)	
	(1){	67 15	82, 128	114 54 40	7	1, 119	1	745	123	Reconditioned pumps (1	)	A STATE OF
s 42528/1	11)	••	••	262	8	•	15	••	11 · · · · · · · · · · · · · · · · · ·	DS 42528/1		

				an and a second second second	( i ba hua j	D. Stand March			
es	a)	020 (R) 02188	1937 (t Product	)(c) tion	1935 (b) Production				
-	Value	Entries	Quantity	Value	Quantity	Value			
and a second sec	£1000	NO.	Tons	۵00 ع ۲	Tons	£'000			
	40 367	8 19	1,032	100(ad) 48	891 ••	76 (ad) 39			
	1,661 206 1,195	) 36 83	9,449	705 592	7,702	553 438			
3	367 162	14 16	}	(1)	plate	(1)			
1	1,865 64 658	} 17 23	3,029	698 82	2,443	532 29			
5	304 52 32 23	38	1, 444	118 15	1,705	105 24			
	5527	40 1 48 64 68 68 68	8,800 3,2 4,411		albeecks Jo				
0 • •	702 856 104 497 978	20	(1) 6,017	634 128	4, 486	400 90			
•7	358 58 277	52	102797		o ini Laolinad Sosiqu				
.3	3,678 1,041 136 1,251	76	11,240	1,848(af) 312	10,930	1,357(af) 241			
8	232 47 92	} 8 8	335	49 16	noi tai tab	1 79133			
54	933 271 73	48		(11)	(1) 2,126 (11) ••	223 28			
19	130 1, 151 185	37	(1) 4, 271 (11) ••	520 61	i sewage nachinery	Refuse a disposa			
11	106 269	81				Pubber wa			
74	40 5 6 1	3 9	-	-	-	-			

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

### TABLE 8 (contd.)

TABLE 8 (CONLO.)									binop)	
Kind of output (1) Complete machines,	, etc.	). (188) ananan	1948 Sa:	8 (a) les	(2)	291	1937 (b) Producti	(c) on	1935 Produc	(b) ction
(11) Replacement parts		Quant	tity	Value	Entries	Quan	tity	Value	Quantity	Value
Pumps (contd.)		No.	Tons	£'000	No.		2001.00F . 1	£'000	Tons	£'000
00015 11 2407 211 0	1 2100	249	13	19	10013	1 Par		a coordia m	dilo) Rtev	
Pumps, unclassified	(1) {		212	25	30		-	anin-n ro	esgines	alba-a
	(11)	•••		136 220	24		-	enices for	ry, or en t,-notor	madinine e-rora
Refrigerating machinery		comes in						1	- GEFFLUCK	Lant In
Automatic power operated refrigerators	3	4.4		4	¥38				and unclas	bail
Of a storage capacity not exceeding 12 cu. ft.	.80%	888.19		0	1,001,1	em1 70,†		1921	ing and pa no making ry, includ	Pulp mai and boa machlad
interior Loss 10	()	113,917	10,688	5, 242				(11) (80)((11)		ide ini i
Complete	1	8,253	•••	576 72	23					Pilvaria cosi
Mechanical units, complete	{	29,059 28,517	1,073	902 1, 199	} 16					Pumps
Parts	{		1,248	394 386	} 41			(1) (11)	fito bris	Petrol
Of a storage capacity over 12 cu.ft.	82.2	-	Baril 34 - 1		105.14			the second is		
Complete	1.5			2.00					110 bas 1 30 bas 1	
Not exceeding	][	8,800		1,041		No.	Tons	ali Olfonded n	di centro	
10 h.p.	)	4,411		940 585	4 (1	(1) 39,82	8,342	1,506	5,045	774 567
Over 10 h.p. and	1	45	97	81		11) .	• ••	89(ag)	•••	52(ag)
not exceeding 50 h.p.	1	314		471 89	7			asting of the	n recipio	
Over 50 h.p.		12 49	45	18 479	5					
internal overlagelog		••		30				(1)		
Mechanical units, complete		10,797 1,534	1,143	899 230 53	13			(11)	0 000 0001 1	
Parts	846	11, 840	200	105				(1) 61	e Ibau l'u	
Farts	j sta		••	809	39			(11)	1a1 110W	
Other descriptions	(1) (11)		6,375	2,233 1,712 633	18 25			1,266 {	4,647	738 45 .60
Unclassified	d		284	232	~~			120	••••	.00
refrigerating achinery	(1) (11)		×04 ••	324 422	89		STON IS I	896 8 <b>8</b>	••	975 <b>79</b>
Refuse and sewage disposal machinery	(1)		2,473	390	. 16		. 8,038	417	5,220	303
	(11)	••	••	127	19		•	43		32
Rubber works machinery	(1)		6,25%	1, 351	50		6,157	356	4,922	265
Steen cheninge	(11)	••	••	412	69	1		78	902	59
	-	-			+ 1 h		1-11		1. M	
	4m			100				(1) agapt	penoit p	
			12 10 10 12		1. 1. 1.			and B.		

### TABLE 8 (contd.)

#### Kind of output (1) Complete machines, etc. (11) Replacement parts Quanti Thous. Sewing machines, not included elsewhere New Complete machines 135.8 Industrial .. 398.4 Domestic 2.0 Machine heads for industrial sewing machines Reconditioned 2.1 Complete machines .. Machine heads for industrial 1.0 sewing machines Tons 2,74 Parts, other than needles (ah) Steel works and non-ferrous machinery and plant (excluding iron or steel rolls sold separately), not elsewhere specified {(1) (11) Cold drawing plant for bars and tubes {(1) {(11) Other tube making machinery, 1,1 except extrusion presses Rolling mills (hot or cold), other than tube making ${(1) \\ (11)}$ 6,3 For steel 2,3 (1){ For non-ferrous metals (11) Other steel-works and non- ${(1)}{(11)}$ ferrous machinery and plant, not elsewhere specified 5,1 Sterilising equipment, industrial, other than for the sterilisation of foods (ak) $\int (1) d$ (11) 8, Stone crushing and screening machinery for quarry 5 (1) (11) products ( (1){ Stone working machinery, not elsewhere specified (11) Tanning and leather working machinery, other than boot and shoe making and repairing 1, (1) (11) machinery

DS 42528/1

#### MECHANICAL ENGINEERING (GENERAL)

```
4/1/27
```

						(	9) X	TABUE	
1948 Sal	(a) .es		193 Pro	37 (b) ( oductio	(c)	1935 (b) Production			
lty	Value	Entries	Quant	tity	Value	Quant	ity	Value	
Tons	£'000	No.	Thous.	Tons	£'000	Thous.	Tons	21000	
	201 <u>2</u> - 10-10 - 10-10		({1) (21))	12merri Mérri	194 - 54 197 - 198 198	10409 ( 1040)	1992 - 1992 1992 - 1994 1993 - 1994 1993 - 1994 1993 - 1994 1994 - 1994 1994 - 1994 1994 - 1994 1994 - 1994 1994 - 1994 - 1994 - 1994 1994 - 1994 - 1994 - 1994 1994 - 1994 - 1994 - 1994 - 1994 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 1994 -	11320T (225) (2260 (2585)	
4,740 75	1,608 25	} 13		202	2607 93	tan sig Eo	0.82.0 (1919)	roädal Hasu	
11,251	3, 031	•••	265.1	6,079	832	207.7	4, 950	658	
38	44 136	} 6				61	n mete	1000	
81. ••	75 4	} 8	1.1	19	7	1.6	11	10	
	39	5			a light	and the second sec	1365.7	C. S.	
S	1		To	ons	nes bris	Tons	S	minto.	
49 ••	964 181		(11)	•••••	1,831	ACCON	••••	1,347	
	508 51 14	8	(1) (13)		onu si	a metalog		i waasii	
<b>3</b> 6	128 28				reista Angth	Notes (19 Gales Da		hitus kitus	
.77	341 107					a pitteles		a printing and a second	
	1.00		(1)9,8	533	718	7,9	999	473	
323 ••	1,198 518		(11)	••	(a1)			43 88 (aj)	
366	520 70 87		1113.		100 S.	u allona		3 6729	
112	1,010				and pass	Linery -		ALXES	
423	58 30 19				14	ne sa		(1)	
756	937 349 840	9 5 41		and ro	(1				
531	6 10 3	25	5,	688	46 42		024	325 370	
806	43 13 38	3/~~	{ 1,	837	18 2 10	7	124	90 21 49	
	14	118.5. 			198.17	n Log "bi		140	

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

### TABLE 8 (contd.)

Kind of output (1) Complete machines, etc.	82 19			18 (a) les		-		37 (b) oducti		F	1935 roduc	(b) tion	
(11) Replacement parts		Quanti	lty	Value	Entri	es	Quan	tity	Value	Quan	tity	Value	
		Tons	3	£'000	No.		Tons		£1000	. To	ns	£'000	
Testing machinery and equipment (e.g., chain testing, cement testing, aero-engine testing (f)	{ (1). { (11)	1, 1	.56	526 342 81	<pre>} 29 14</pre>		}		(1)	dosia (		(1)	
Tobacco and cigarette making machinery	{ (1) (11)	3,3		3, 047 867	16 31	1.	2,	221	947 277	1,	014	483 101	
Water and sanitary appliances, not elsewhere specified	2,68%	No.	Tons	33,13 2	3985		No.	Tons		No.	Tons		
Water meters	(1) <sup>4</sup> (11)	53,710. 35,138.	565	336 230 568 165	<pre>15 16</pre>	~	50, 974 23, 965			<b>45, 206</b> 28, 351		166 161 74	
Water softeners, domestic	(1) (11)		ns 374	198 44 29	<pre>} 11 7</pre>		T (1) 6	ons 460	524	Deada	ons 306	328	
Other water and sanitary appliances, excluding plant for waterworks	$ \left\{\begin{array}{c} (1)\\ (11) \end{array}\right. $	5,9	971 ••	970 46 132	}	J	(11)	••	129 .33 (a1)	idi teri	JO8	223 23 (a1)	
Water works equipment and plant	$ \left\{\begin{array}{c} (1)\\ (11) \end{array}\right\} $	5,5	502 •••	636 196 118	} 27 33		18	3,473 ••	794 26	15,	623	644 58 26	
Weighing machinery, other than automatic slot machines	$\begin{cases} (1) \\ (11) \end{cases}$	16,4	.51	3,801 251	39 34		17	,043 	1,814 96	15,	265	1,470 79	
Well drilling machinery											ooq.		
Complete machines	{	2,0		468 100	} 11				10.601. 3 11. 00'86		e pt e		
Replacement parts			••	204	14		}	••• 3	(1)		••	(1)	
Unclassified		EI la	••	1,111	•••								
Wire making machinery	(1) (11)	1,7	20	430 66 80	} 18 27	Í		770	79 16	- !	975	86 8	
Wire working and wire winding machinery, other than cable making machinery	(1)		06	222 54 146	} 38 32			442	69 (am) 6	}		(1)	
Ball and roller bearings				and the second s		1		90-229	ti loga	i en adm	6316 <sup>7</sup> .		
Ball bearings and parts		) - pr (8	<u>a</u> 1	10 714	0.4	1	9	, 298	2,973	7,4	16	2,083	
Roller bearings and parts		}	••	16,311	24 -	Į	4	,194	1, 699	3,0	076	1, 174	
Bearings (other than ball and ro bearings) and bushes, of all metals (f)	ller	1,2	91	716 3,614	} 53			n heg Roo				orstone maco enod	
Burners, sold as such		No.	Tons		)	h		. 100	kuery.		NOTIC:		
Gaseous fuel	{	•.•.	758	375	25			ts. Jog	t deta		nerga nerga	Lons? dobs	
Oil fuel and pulverised fuel		3,896 3,316 	304 344	179 173 199 162	27		*	••	(1)			(1)	

#### TABLE 8 (contd.)

TABLE 8 (contd.)				the second second			
Kind of output (1) Complete machines, etc.		1948 (a) Sales	ania ania	1937 ( Produc		1935 Product	
(11) Replacement parts	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Chains (steel), transmission	Tons	£'000	NO.	Tons	£'000	Tons	£'000
Roller type					(1907)		
Up to and including 0.625 in. pitch, not exceeding 0.2 in. in width between inner plates	2,516	810	968 88**	949.0	•	an Talan an	2442 14 2442 14
Up to and including 0.625 in. pitch, exceeding 0.2 in. in width between inner plates	1,665	1,224	5	5,587	1,207	4,499	924
Over 0.625 in. pitch	2,978	1,140	16	1900 a 200	4104		risterets
Other	1,474	429 71	} • 11		nan than	as , kaliose	kooqeareo.ee pätterns
Engine parts, not elsewhere specified, sold separately			1040.4 1077.0		158	603	131
Pistons	3,944	1,925 351	17	699	65	••	22
Piston rings, packing rings, etc.	2,948 Thous.	1,026 278	} 20	1,279	754	978	596
Cylinder liners and inserts (f)	341.6	212 364	} 8	481.88	avel. Navel. Noe a forma		na ioran mantilia
Gears and gear wheels, sold separately	Tons		800 (a. )		nee L. 6014	endines yes	
For vehicles	1. ··	802	34	2,239	496 91	1,826	330 346
Other than for vehicles	14,247	2,344 2,113	213	{ 20,307 ···	1,563	13,127	989 283
Unclassified	{ 1,237	344 673	} 15	852	90 155	-	io Laiw Martar
Lubricators and parts (other than for railway wagon, etc. axle boxes), not included elsewhere (f)		419	14	88 ** 045	-	teastone bi	
Mechanical remote controls (f)	Thous.	538	7	Thous.			1
011 seals (f)	11,642	945	10		Charles -	TTP:	et an to
Pressure gauges				368	201	stean, digis	230
Complete	2,120	1,048 345	62	{	86	}	200
Parts (movements, etc.) (f)	Tons	76	5	Tons	ania i	dema tupe 1	Playeround
Pulleys and pulley wheels, of metal, complete and parts thereof sold separately (an)	, 5,009	448 345	79	11,323	526		152(f)
Rolls of iron or steel			1.000		artis	BOSSIGNO TH	rie recto
For metal rolling mills			1 1 2 4 4 1 (12)		linester	the transfer	a as an as
Cast iron	39, 973	2,284	36		Del	1.0000 0700	(ao)
Cast steel	9,191	668	21		(ao)	••	(40)
Other	209	18	7	1			
DS 42528/1						P	Tiesaar 20

### MECHANICAL ENGINEERING (GENERAL)

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

### TABLE 8 (contd.)

Kind of output (1) Complete machines, etc.		1948 (a) Sales	ala SaG L	1937 Produc	(b)(c) ction	1935 ( Produc	
(1) Replacement parts	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Rolls of iron or steel (contd.)	Tons	£'000	No.	Tons	٤'000	Tons	٤'000
For machinery, other than metal-working			ingen hall				ing 'reilon
Cast iron	7,649	539	48	h		untoulont t	the bit diff
Other	324	36	11		(1)	L maawaad 1	(1)
Valves, other than for motor vehicles, and cocks (excluding valves and cocks of brass or other copper alloys), sold separately	33,599	7,154 856	} 109	19,476	1,863 {	12,986	893 222
Wooden accessories, other than patterns (f)		377	78			••	90(ap)
Machinery and parts, not elsewhere specified (aq)		2,326 2,803 1,460	} {	51,920	5,175 699 1,417	56,662 	5,055 70 1,276
Reconditioned machinery and plant, not elsewhere specified (f)	••	1,731	31		204		594
Other engineering products			NOA I	euods			.419
Arms, ammunition and naval, military and air force stores, not elsewhere specified	26,154	11,949 5,098	}	•	11,117		5,024
Blacksmiths' equipment, not elsewhere specified (portable forges, bellows, hearths, etc.) (f)		91	8				sepperson un
Canteen and cafe boiler, etc. sets (excluding purely sheet metal catering equipment) and parts (f)		.e.		1988 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88	n for vehic led	other the
Gas	85	87 265	} 5	- n	ot <del>n</del> er in	ant parte	enda ao <del>r</del> ndual - exclusi ant
Other and unclassified	140	186 108	} 7		il sevine to	bobilant d	bod .(a <u>s</u> kod
Engineers' patterns of wood or metal (f)	NO.	1,374	193		27		128(ap)
Engines (steam, diesel, etc.) for model aircraft, ships, motor cars, etc. (f)	23,218	65 9	} 5	5118 T	-	-	Hressure Pa
Fairground equipment (f)	Tons	444	15	h	119	tel vermenter	90
Playground equipment (swings, slides, etc.) (f)	655 ••	69 34	} 6			ody zality	Folleys and
Fire extinguishing apparatus (including sprinklers), other than chemical fire extinguishers (f)		1,210			-	stely (an)	Sold Separ
Garage equipment and plant,	{ 2,710	654	} 42 {	1,633	181 116	896	61 (f) 187
not elsewhere specified	4	257		11 .4	110	Len .	12 12 2
		+ sidi   -		DS .			Tarito
DC 40500/1	1 .					• • • • • • • • •	

TADIE & (contd.)

TABLE 8 (contd.)
Producation and a stranges (b)
detty voine Quantity value
Other engineering products (contd.)
Heavy duty cooking apparatus (not wholly or mainly of cast iron), not elsewhere specified (f)
Gas
Electric
Steam
Other and unclassified
Heavy plate work, not included elsewhere (f)
Bunkers, bins and silos
Buoys and flotation vessels
Heat exchangers
Pipes and chimneys
Storage tanks, assembled or not
Pressure vessels
Sundry vessels
Pressure and sundry vessels, unclassified
Welded or rivetted built up
Metal moulds
Moulding boxes and parts thereof
Ships' telegraphs (i)
Other and unclassified engineering products
Waste products other than scrap metals
Installation work other than constructional engineering work(ar)
Research and development work (f) (ar
Repair and jobbing work, including roller covering (ar)
DS 42528/1

DS 42528/1

### MECHANICAL ENGINEERING (GENERAL)

1935 (b) Production 1937 (b)(c) Production 1948 (a) Sales Quantity Value Quantity Value Quantity Value Entries £'000 £'000 Tons Tons Tons £'000 No. 163 116 1,017 ---•• ... 70 193 151 --5 -•• 82 96 277 ---•• .. 865 140 9 ---104 .. 156 57 2,234 33 ---• • 81 33 772 -10 --.. -11 1,934 255 -856 116 12,406 -36 -.. 5,656 107 -96,764 -32 -7,838 812 -37 10,198 1,482 -152 50 980 -9 -•• 1,788 21,907 --76 -881 .. 63(f) 95 160 50 857 396 761 1,491 1,633 114 •• ... •• --4,737 -406 40 64 85 162 .. .. .. •• 2,113 1,529 2,381 2,168 50,970 44,504 17,257 •• •• ... .. 64 34 (1) (1) 6,798 178 .. .. •• (1) (1) 5,383 330 -20 1,019

4/I/31

6,085

4,389

1,314

14,321

#### ENGINEERING, SHIPBUILDING AND

TABLE 8 (contd.)

4/I/32

		No. of the second		and the second se	and the second second second	(.htmas)	
	A A A A A A A A A A A A A A A A A A A	1948 (a) Sales	681 62		(b)(c) action		(b) ction
auger antimation auger with	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Case-hardening done on	Ref. 1	٤'000	No.		£'000	Incerting pi	£'000
commission (f)(ar)		127	8				(.03000)
Other work done for the trade or on commission (ar)	7,849	5,653	516		1,847	naixooxia hilly or me holly or me	987
Total Less sales (or production) in		460,083	•••		122,214		91,439
other trades (see Table 9)		69,058	•••		13,750		11,116
Total principal products of this trade sold or made by establishments in the trade	53. 3999 R	391,026	2,391		108,464	14×984 914	80, 323
<ul> <li>(a) Great Britain only.</li> <li>(b) United Kingdom.</li> <li>(c) Excluding Government establish</li> <li>(d) Described as "Grass cutters ot</li> <li>(e) Recorded as:-</li> </ul>	ments. her than la	wn mowe <b>rs</b> " :	In 1937 ar	nd 1935.	in the second	Arafio.bns	TaelBran T
Air and gas compressors a	nd exhauster:	T	1937 ons s	000 13	Tons	1935 £'000	tvest tvest
Reciprocating				1,245	6,689	ANNO CONTRACTOR OF A DESCRIPTION OF A DESCRIPANTE A DESCRIPANTE A DESCRIPANTE A DESCRIPTION OF A DESCRIPTION	
Rotary			566	194 26	1,005	141 133 23	moti
Other	調査部員な	4	072	115	494	53 14	
<ul> <li>(f) So far as recorded separately.</li> <li>(g) For radiators of cast iron see</li> <li>(h) Recorded as:-</li> </ul>	the Iron 1	((11) Foundries Tr	•• ade (Volu	16 me 3, Tra	••	14	
in the second			1937			1935	
Heating and ventilating	plant and	1000	ons g	000	Tons	£1000	

Heating and ventilating plant and appliances (other than of cast iron)	Tons	£'000	Tons	£'000
Air filtering machinery	(1) 1,254	166	499	62
Radiators	((11) (1) 2,730 (11)	186	(1)[23,891	1,936
Other descriptions	(1) $(29,511)$ $(11)$	2,754 390 122	(11)	402 113

((11) ... ) Including Galloway boilers. Described as "Boot and shoe making machinery" in 1937 and 1935. Bottling machinery, so far as recorded separately. Described as "Brickmaking machinery". Becorded as:-

(1) (j) (k) (1) (m)

(II) Recorded as:-		1 93	57	tell atta bit	935	
Gas and chemical machinery	$\begin{cases} (1) \\ (11) \end{cases}$	Tons 25,418	£'000 1,364 307	Tons 25,158 ••	£'000 1,073 108	
Paint making, grinding and mixing machinery so far as recorded separately (0) Described as "Excavating machinery". (p) Described as "Concrete mixing machinery" in	$\begin{cases} (1) \\ (a1) \\ 1937 \end{cases}$	579 •• and 1935.	62 5 }	eningenerine eningenerine	and unola: nucts , oroctets oti	

(q) Described as "Road making machinery (excluding concrete mixers, excavating machinery, pneumatic drills and road rollers".

(r)

(s) (t)

drills and road rollers". Not described as including sterilising machinery in 1935. Described as "Bakers' ovens" in 1937 and 1935 Described as "Bakers' and confectioners' machinery, including sweet making machinery", but excluding bakers' ovens (so far as recorded separately in 1935). Described as "Canning machinery" in 1937 and 1935. Excluding glass-making machinery and plant in 1937 and 1935. Described as "Bottle and phial making machinery". Described as "Grain milling machinery" in 1937 and 1935. (u) (v) (w) (x)

DS 42528/1

TABLE 8 (contd.)
(y) Recorded as:- Laundering machinery, other than for textile finishing
Washing machines, mechanical $\begin{cases} (1) \\ (11) \end{cases}$
Other, except wringers and (1) mangles for domestic use (11) (z) Including all presses for the plastics industry (aa) Described as "Scrap bundling presses and machin (ab) Including semi-diesel and similar engines. (ac) Gas engines only. (ad) Pumping engines. (ae) Described as "Paper making and board making mac (af) Described as "Centrifugal". (ag) Recorded as:-
Refrigerating machinery Automatic power operated refrigerators
Not more than $\frac{1}{3}$ h.p. $\begin{cases} (1) & 3\\ (11) \end{cases}$
Over $\frac{1}{3}$ h.p. (1)
<pre>(ah) The 1937 and 1935 figures include needles made (ai) Recorded as:- Rolling mill machinery and steel-works pl elsewhere specified</pre>
Draw benches
Reeling or straightening machines
Other (excluding rolls for rolling mill
Tube making machinery
For welded tubes
Other than for welded tubes
(aj) Recorded as:-
Rolling mill (metal-working) machinery (e for rolling mills), not elsewhere specif
Tube making machinery
<ul> <li>(ak) For medical and hospital sterilising equipment Instruments, etc. Trade (Volume 5, Trade H).</li> <li>(al) Recorded as:-</li> </ul>
Water softening plant, excluding plant for waterworks (so far as recorded separately in 1935) { (1)
Other water and senitary appliances [ [

(except water meters) (1

(am) Described as "Wire working machinery other than cable making machinery".
(an) Including split pulleys of wood in 1937 and 1935.
(ao) For the output of rolls for rolling mills in 1937 and 1935, see the Iron Foundries Trade (Volume 3, Trade C).
(ap) Including the following output returned by establishments in trades not covered by the 1937 Inquiry:-

\$82,000 Wooden accessories, other than patterns

Engineers' patterns of wood or metal

(aq) Excluding marine, textile, printing and bookbinding machinery, metal-working machine tools and mechanical handling equipment - see Introductory note.
 (ar) Amount charged in 1948 and amount received in 1937 and 1935.

DS 42528/1

TAI (y)

EIFCTRTCAT	COODC
ELECTRICAL	GUUDS

MECHANICAL ENGINEERING (GENERAL)

4/1/33

19	37	193	5
Tons	£'000	Tons	. 21000
3,045	418	(1) 9,728 (11)	<b>1,</b> 069 64
7,857 	860 64	(11) ••	04
nes!			

hines" in 1937 and 1935.

	1937			1935
No.	Tons	£'000	Tons	000 ء
				interior and the state
35, 869	4,740	885	{ 2,248	389 84
		25		13
3, 951	3,602	621	{ 2, 797	
	tablichmo	64	facturing se	wing machines
e by es	CAULISING	nonu	1140 041 1116 00	
lant, n	ot		Tons	000 ن
		5 (1)	676	35
		2 (11)	••	4
		$\left\{\begin{array}{c}(1)\\(11)\end{array}\right.$	291	31 10
		$\int (11)$	7,366	585
ls)		j (11)	••	109
		· f (1)	62	4
		(11)	1, 138	4 1 63
		$ \left\{\begin{array}{c} (1)\\ (11)\\ (1)\\ (11)\\ (11) \end{array}\right. $	1, 100	21
			Tons	£'000
excludi	ng rolls	ſ (1)	E MZE	331
fied		7(11)	(2.264	66 142
		<b>(1)</b>	2 ~, 204	43
		(11)	{2,264 	22

see the Scientific, Surgical and Photographic

19	37	1938	5
Tons (1){ <sup>3,625</sup> (1)	1000 319 70 15	Tons 1,078	£'000 199 110 8
(1){2,835 11) ···	205 59 18	1,228	129 113 15

£90,000

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

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

### Larger establishments

Note - This table does not include constructional, repair and maintenance work carried out by Gas, Electricity and Water undertakings, for which see Volume 12, Trades F, G and H respectively.

### TABLE 9

Kind of output (1) Complete machines, etc.		1957 9	1948 Sale		ian Disco-	1937 (b Produc		o) ction	
(11) Replacement parts	nie i -	Quan	tity	Value	Entries	Quantity	Value	Quantity	Value
Agricultural machinery	1000	No.	Tons	£'000	No.	Tons	£'000	Tons	£1000
Ploughs		042.4	568,			1.000 A	a enom a	tar.	ARE .
Mechanical power	{ (1) {	4,263	1,045 78	139 18	} 7	-		41	2
	(11)	1 1 200000	-	2			N 2801 B		-
Animal power	<pre>{ (1)</pre>	11	2 14	- 4	}	e vientio	india to a	3	(15)
678,017,017,017,017,017,017,017,017,017,017	(11)	••		8, 927		59/21	here ape		1
Hay and grass mowers, other than rotary blade type	$\begin{cases} (1) \\ (11) \end{cases}$	504	170 ••	24 9		- instantion	a the seal		-
Reapers and binders	(11)		(	11	sor roll	ettor mil	i1980_ 1	110	1
Milking machinery	$\begin{cases} (1) \\ (11) \end{cases}$		••	1 9		in the second	an naixe a beb [ea	12	2 1
Cultivators or grubbers	(1) (11)	15, 176 4, 069	1,739	251 154 5 63	} 10	r welded	i chan i lei Tons i llim g migniin	onne econgey e Rollin stor i	(LB)
Disc harrows	(1)	20	4 48	1 4	} 6	(346.Lil	en gaine 108 /	1 ecuit	
Land rollers	(1) (11)	419 50 ••	412  72 	16 2 8 2	<pre>} 11 6</pre>	(1)177 (11)	14 15	657 ••	35 15
Planters and seeders	(1){	583 1 ••	35	7 - 4 6	) 5 5	(80 tar) 1935) 1 sahi tar) me tersi	ALETWORK ALETWORK 197 197 197 197 197 197 197 197 197 197	senao senao senao	
Other agricultural machinery (except tractors), including threshers	$ \left\{\begin{array}{c} (1)\\ (11) \end{array}\right\} $	in pille in the	9,092	1,381 668 294	} 66 47	orsing a	a Wire plit pul put of i	escribed e ascribed e actuding e ar the out	
Unclassified agricultural machinery	(1) (11)		883	70 69 305	} 47 59	ugtus grin 186-des 188	Trade he_follo		l ( <u>gs)</u> .
. Dat slog spine ngine		adar 1d Start	or veta the net ty cove aby and	tobil to ndxood douoono na bey	petterne petterne so - see unt rece	ingineers' Retild <sup>2</sup> fr equipment 1946 and am	Hindi handili get in	kelüdildi kelüdildi nount chai	(75) (75)

TABLE 9 (contd.)			00-51	siles i	.dl				
Kind of output (1) Complete machines, etc.			1948 Sale			1937(b) Product:	and the second	1935(b) Product	ion
<ul><li>(1) Complete machines, etc.</li><li>(11) Replacement parts</li></ul>		Quan	tity	Value	Entries	Quantity	Value	Quantity	Value
Air and gas compressors and exhausters		No.	Tons	£1000	No.	Tons	00012	Tons	£'000
Air compressors and exhausters, other than compressors supplie with paint spraying equipment	d		188	2.48		bing Loootobive Bilanery Bilanery		er bollen ten tabe pé pollen trocom L	
Reciprocating	(1) (11)	67 ••	55 •• ••	30 257 62	<pre>12 6</pre>	81 - 9119 17 - 8 1,693, -			
Rotary	(1)	••	••	1 25	1.1	(1) 628	75	110	20 13
Other and unclassified	(1) (11)	52 79 ••	130	25 4 29 36	}	(11)	2	ains	3
Gas compressors and (1) and exhausters	(11) {		50 ••	23 21	}		i sille Losge i coss li	relienter i elsewher italiae fi	00 10 11
Air conditioning, heating and ventilating plant and appliances (including waste, dust, fumes, heated air, steam or vapour collecting or extracting)				968.9		Tard- britieg dian. oiote and stoigers) dia for	atosa atos atos atos atos atos atos	ant super) ant inject ing pian istike istiked at striked at striked at	
Ventilators, hoods, cowls, pipes, ductwork and the like	{	••	11,830	1, 511 635	287	10, 762	502	8,860	401
Air, water and steam radiators (other than for use with gas)	(11)	••		· · · · · · · · · · · · · · · · · · ·			da sintë Galj		16997 91 - 10 - 65
Heating plant and appliances, not of cast iron, not elsewhere specified	(i) (11)	••	<b>3</b> 93	164 56 1	1	(1) 1, 32	0 181(0	and the second	181 (d) 10
Plenum systems, sectional boilers (other than for steam unit heaters, and other descriptions of air condition		1	7,787		11 10	(11)	6 9 (0	1)	13(d)
and ventilating plant and appliances (not of cast iron)	(1)		••	195 171	13	) scronzite		ing and cli	F11
Unclassified (1) and	1 (11)		11	-		(1) 430	-	-	
Automatic slot machines	(11)		85	-		1 2416   11 ·	. 3	••	2

DS 42528/1

### TABLE 9 (contd.)

	1							
Kind of output (1) Complete machines, etc. (11) Replacement parts	ar ng me	1948 Sale			1937(t Produc		1935 ( Produ	
(11) Replacement parts	Quar	ntity	Value	Entries	Quantity	Value	Quantity	Value
Boilers, excluding boilers for ships or locomotives	No.	Tons	£'000	No.	Tons	£'000	Tons	£'000
Economic types (1) {	27 1	511	86 2	}	an in the	2118,484		
Vertical types $\begin{cases} (1) \\ (11) \end{cases}$	337	1,116 293 ••	155 40 8	} 7	(1)4,065	267	2, 388	1.99
Other boilers, including water tube boilers, locomotive type boilers for stationary purposes, Lancashire type and Cornish type boilers, and sectional boilers for steam (11)	118 129 	3,257  126 	562 30 28 155	}	(11)	12	••	128 3
Boiler-house plant			· · ·		45			
Feed-water heaters (1)	5	25	4	••				
Flue cleaning plants $\begin{cases} (1) \\ (11) \end{cases}$	:		2 4		5611	teasion	Dae toda	
Other boiler-house plant, not elsewhere specified, including fuel economisers, steam superheaters, feed- water injectors, and boiler		ons	255	; sap	(1)1,770 (11)	198 18	999	89 28
firing plant (other than travelling grate, stokers and (1) underfeed screw type stokers) (11)	2,	836	394 27 404	}		baltas 8 Decides Saltas	il) seadcar issemul issemul issemu cul	
Boilers (excluding boilers for ships or locomotives) and boiler-house plant, other than reconditioned, {(1) unclassified {(1)	410 410	270	124 104 36	12	001.00 1001.00 1001.00 1001.00	eboon MA.H.To Takte lar	interest interest interest interest interest	239 015 24
Boot and shoe making and $\begin{cases} (1) \\ (1) \\ (1) \\ \end{pmatrix}$			3 5		15	3 9	12	2 8
Bottle washing machinery $\begin{cases} (1) \\ (11) \end{cases}$		48	5 7		-10	11-01	1993 - 1997 - 19	- -
Bottling, packing, packeting and labelling machinery					n pull a thr steam		edan ayate	
Bottling and capping $\begin{cases} (1) \\ (11) \end{cases}$		28	20 4	8	7	1		-
Filling and closing machinery for solids and semi- solids (1) and (11)			42	(11)	(10/61 (3.485) 503-(1)	10 701	politantin Dell'instant	
Labelling (1) and (11)		••	22	•••••••	(1)42 (11)	13 2	33	5 1
DS 42528/1				li e e e e e e e e e e e e e e e e e e e		1	1\00374	i

MECHANICAL ENGINEERING (GENERAL)

Kind of cutput (1) Complete machines, etc.	•	1948(a) Sales			1937(b)(c) 1935(b) Production Production		
(11) Replacement parts	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Tons	£'000	No.	Tons	£'000	Tons	£'000
ttling, packing, packeting and abelling machinery (contd.)		00.3	101		totes (bd) bdb yrei	agrifesente hiten ente	
Packing and wrapping $\begin{cases} (1) \\ (11) \end{cases}$	103	98 3	10 ••		,319.100	kers, ängt	DIME
(1){	399	56	10	138	4	346	10
rick, tile and cement {(1) lockmaking machinery {(1)	•••	54 51	12		1	••	3
	9	. 8	6	18	6	59	19
able making machinery {(11)		37	••	(11) (11) (- ·	-	-190	doni -
arpet-sweepers, other than electrically-worked vacuum cleaners (1) and (11)	•••	48	9 {	17	3 1	}	Tap.
entrifuges, other than cream separators and drying machines (1) and (11)		15			nischtne D3.e-pcwe D4	n bism-Baon main and shi bi	0 chàn (0 z c) (0 z c) (0 z c)
hemical and gas making machinery and plant, not elsewhere specified	8. 49			-ba	ere) esiing ent. Inco	101 fool-s G Tano İRvis Ja bus Piar	Cinear Coner
Paint, varnish and ink $\begin{cases} (1) \\ making \end{cases}$	64 ••	19 2	5		bits ale nas-arevi aron ar	bading and the pille it-	ani someth slig
Soap and fatty acid $\begin{cases} (1) \\ making \\ \end{cases}$	130	44 3	5	(11) fm	11 11 00 90 11 11 00 90 11 11 11	iery and reco	nixin tiloan
Water gas plant (1)		1		the sale	L'énginera Lut	vio beinin	Une land Tijsen
Other, including by-products plant for use at gas works, oil extraction and refining,	* 5		102 1.01	(1)580	49	739	34
and plastic making machinery and plant, and gas (i) producers (coal and coke) (11)	2,732	578 126 373	}	(£1))	al nation	virenijo je	eraniyaŭ
Reconditioned chemical and gas making machinery and plant (1) and (11)		1		(11) b	an res y solid (4) 10	e (acher (her) bested bin (here)	elfred. Cired. Dr. Buine
Unclassified $\begin{cases} (1) \\ (11) \end{cases}$		23 12	••		er lev oib	en bas amsi tavistice	Electric
Civil engineering and contracting machinery and plant		0.0	40		11 (1) <sup>22</sup>	bililaoqi o	TAIWBELD
Excavators and similar digging machinery (excluding cableway dragline excavators and rope- hauled dragscrapers, (1) and (11)	1,431	302	7	<pre>(1)984 (11)</pre>	78 15	773	70 6

DS 42528/1

```
4/1/37
```

### TABLE 9 (contd.)

4/I/38 ·

1.

Kind of output (1) Complete machines, (11) Replacement parts	etc.			18(a) Les		1937(b) Product		1935(b Product	
	tanti ty	Qua	ntity	Value	Entries	Quantity	Value	Quantity	Value
Civil engineering and contracting machinery and plant (contd.)	angi Gr	No.	Tons	£'000	No.	Tons	£'000	Tons	£'000
Bulldozers, angledozers, rooters, graders, scrapers and levellers	{(1) {(11)	10  	‡ 10 •• ••	3 13 10	}		triame :	the solution	1289 - 1207-8
Concrete mixing, placing and finishing, etc. machinery	{ (1) { (11) }	932 848 ••	1,807  100 	299 22 6 4 65	9	1,017	78	460	33
Tar, bitumen and asphalt plant, with or without mixing gear Other road-making machiner (excluding portable power tools and road and	$\begin{cases} (1) \\ (11) \\ y \\ \int (1) \end{cases}$	Tc 7: • 3E	•	47 19 59 17	6 5 8	<pre>(1) 1, 161 (11)</pre>	10 +7 18 47 18	••• 1,047 ••	8 47 43 12
sheeps-foot rollers) Other civil engineering machinery and plant, incluing loading shovels and dumpers, pile drivers and pile driving plant, mortan mixers and reconditioned machinery and plant (1) an	c (	2, 54		15 680 265	6		aniting lant, in lot lot in lon lon bild	al and gai nery and i nere speci i, varnta infoa and fartu	Chemic nach else Pala val val
Unclassified civil engineer machinery and plant	ring (1)			1	••	-		and gas pie	3.8M -
Condensers, other than marine	en{ (1) { (11)	No. 22 	Tons 328 2,534 ••	147 771 34	} 7	2, 392	395 21	1,768	229 42
Drying machinery, not include elsewhere (other than gas fired, and heated by solid or pulverised fuel) (1) an			250	76 13	}	(9300) 11 503 [ 503 [ 1] 503 []	oli and Sientos Schinery	35	ng Pag Rg Lg 1
Electric lamp and radio valve making machinery, not elsewhere specified (1) an	d (11)			52			007 20	lassified ens <mark>ineer</mark> i	Unio Il vTJ
Fans (other than electric fans), not included elsewhere	{ (1) { (11) }	5 7  	5 •• 6 ••	6 - 4 10 2	} 7 6	ting of the second	aimita aimita hitiry alitary a	ne eros nee los eros nee los gales e antipulare ce antigan gales drag	
DS 42528/1	L		]			(43)	8	11 00 20	

### TABLE 9 (contd.)

				in the second second				
Kind of output (1) Complete machines, etc.	01		948(a) ales	1946 3019	1937(1 Produc		1935( Produc	
(11) Replacement parts	Q	antity	Value	Entries	Quantity	Value	Quantity	Value
Tors \$ '000 No. 12ms   2101-		Tons	٤'000	No.	Tons	£'000	Tons	£'000
Filter presses . (1	1		82 - 82 -	88 - 48		-	292	6
Filters, other than filter presses (1) and (11)	200.0	••11	186	5	(11) (11)	-	-	ัริณร กฏลระทร
Food preparation, processing and sterilising machinery	(1.) (1.)	10		181.	(L1)	ditstrou- brie (1)	e and class and plant	Chereses (D Cherchinety)
Bakery and biscuit ovens (1) and (11	{	417 ••	43 33	}	-0	-	35	14
Bakery, biscuit and flour confectionery machinery, not elsewhere specified (11	U	304 	94 35 19	} 16 7	(1) 34	6	131	17
Cocoa preparation, chocolate and sugar confectionery making {(11	4	7	3 8 4	}		2		4
Canning (including industrial washing, { (i peeling, etc.) machinery { (ii		42	19 1 2	} 5 ••	-		4	onenijoze pliće- usl onenijoze
Dairy machinery and { (i plant not elsewhere { (ii specified	Y	72	18 187 21	) 6 	620	48	771 ••	67 8
Other machinery for the preparation, processing or sterilising of foods, not elsewhere specified, including brewing and distilling and sugar making and refining machinery and plant (except centrifuges)	) { )	3, 168 	383 310 161	}	771	57 80 16	776	108 10 11
Reconditioned food preparation, processing and sterilising machinery (1) and (1	.)	22	2			-	avino vilo asimosa.	Main Inc.
Unclassified food preparation, processing { ( and sterilising machinery { (i			50 11			V <u>I</u> O	ns gui Tebr grieniniom gright g	OtTer 12 1 otter 12 1 fronting
Founding and die casting ( machinery	1) {	40	10 79	} 6			20	1

DS 42528/1

MECHANICAL ENGINEERING (GENERAL)

### TABLE 9 (contd.)

TABLE 9 (Conta.)				
Kind of output (i) Complete machines, etc. (ii) Replacement parts	1948 Sale		1937(b)(c) Production	1935(b) Production
	Quantity	Value Entries	Quantity Value	Quantity Value
	No. Tons	£'000 No.	No. Tons £'000	No. Tons £'000
Gas meters	5,638 43 4,369	28 21 7	8,585 57 27	14,027 91 30
	Tons	50 15		
Glass-making and glass-working machinery and plant (1) and (11)	151 ••	$\left.\begin{array}{c}40\\354\end{array}\right\} 24 \left\{\begin{array}{c}\\\end{array}\right.$	Tons         61         6           (11)          3	Tons 103 10 •• 2
Grain machinery and $\begin{cases} (1) \\ plant \\ (11) \end{cases}$	176	$21 \\ 73 \\ 14 $ 10		4
Gravel crushing, washing { (i) and screening plant { (11)	258	37 5 6 ••		r Bakers blacuit an Togle Differs Me
Hydraulic machinery (i) and (ii) $\left\{ \right.$	140	$ \left.\begin{array}{c} 24\\ 91 \end{array}\right\} 7 \left\{ $	(1)466 30 (11) 3	1,234 67 •• 11
Insecticide and similar spraying machinery (1) and (11)	239 ••	$ \left.\begin{array}{c} 171\\ 38 \end{array}\right\}  6 $		eghte stionart mai
Laundering and dry cleaning machinery, other than for textile finishing				indevizial washin pesiing, etc.) na pesiry pachingry an
Wringers and mangles			(11)	plan not eltevne specified
For domestic use (1) and (11) {	123	$ \left.\begin{array}{c} 17\\17\\17\end{array}\right\} 8  $	(1) 836 66 (11) –	1,615 126 •• 1
Other (1)	No. Tons			a attailitetetete
Stands for domestic wringers and mangles, (1) { sold as such	14,278 37 1,665 83	$ \begin{array}{c} 11\\ 2\\ 6 \end{array} $		antient goliantient a bis gling and set milde and refini
Washing machines, not { (1) { electrically driven { (1) }	1,268	$ \begin{array}{c} 269 \\ 141 \\ 22 \\ 6 \end{array} $	(1)117 18(e)	
Washing machines, {(1) { electrically driven {(11) {	606 28 62,464	8 2,007 } 13	$\left\{\begin{array}{c} (1) \\ (11) \\ (11) \\ \cdots \end{array}\right\} \xrightarrow{18(e)} \\ \mathcal{Z}(e)$	410 40(e) •• 5(e)
Other laundering and dry cleaning machinery,		147		Unct statt ted food
including drying machines and ironing machines {(1) { (11) {	·· 15 ·· ··	$     \begin{bmatrix}       18 \\       24 \\       26     \end{bmatrix}     $	and a	Joundin and the 28
Lawn mowers				
Hand driven (1) and (11)		45 5 {	(1) 46 3 (11) 2	202 21
Animal or mechanically driven				The second
Petrol motor {(1) {(11)	2,795	218	218 54	166 39 •• 2
DS 42528/1				11年6月1日

MECHANICAL ENGINEERING (GENERAL)

-

### a (contd.)

Kind of output (1) Complete machines, etc.	1957( Proda		-194 Sale			1937 (b) Product		1935 Produ	
(1) Replacement parts	aranette	Quant	lity	Value	Entries	Quantity	Value	Quantity	Value
wn mowers (contd.)	Торы	No.	Tons	£'000	No.	Tons	000 ا£	Tons	£'000
Animal or mechanically drive (contd.)	,						earth 1	etEntitete	· Thild
Other	$ \begin{cases} (1) \\ (11) \end{cases} $	28	4	2 -	-	(22)	- 3	-	a90
achine tools, wood-working, other than portable power too	ols					(1) Siding	oa1	i 139170890	o str
25 ange 586 a tongas	Star (	9,414	509	213		13.01.6	1003 89	ands surphy a firmation	18.7.9
Sawing		2,890		58 60	21			03 0 50	100
	((11)	••	••	13	1-3		0.37	ia centaire pr	i off
and the set of the set	f (1)	75 35	17	4 6 26	9			ostites.	DA
Planing and moulding	<b>(11)</b>	••••••	•••	10	9		Suppose	. pronfes	un șe
ither office exclusions	( (1) {	26	24 42	4 5	}	3. 19		2003 Tewai	12088
Sanding	Ì (11)		••	-	5	(1,1) . 5.06	(1)	and the second second	89 67 8 90 10 6 7 8 90
Routing, recessing, dovetailing and locking	$\begin{cases} (1) \\ (11) \end{cases}$	21	9	2 2		(1) 108	14	208	24 1
Lathes	-(1)	211	13	5			enolan	, internet	ani fan
Boring and drilling	(1)	•••		2	••		413		
Veneer and plywood	(1)		55	9			ente. : wind too	us electric	teatori Isatori
Other wood-working machine tools, including mortising	( (1) {	308 160	170	49	13		10 - prove 10 - pian	amoral pue	erspec
and tenoning machines	(11)			4	9				
Reconditioned wood-working		12						111111 101 1	ant nos
machine tools	(1)	7	7	2				- yasali	ee maa
utting tools, cutterheads, etc., for wood-working machines, except drills and				•	1	galbi zatī	ting, at 102, 511	ig, cal,cul, pool-keep	edinios astas
saws and saw blades			••	48	11	eling		caradit dota	0.23930
echanical power transmission plant (1) a	nd (11)	7	'ons 09 ••	216 76	} 7	312	12 14	823	63 38
etallurgical furnaces					1 182			a electri	th Lights
Blast furnaces (1) a	nd (11)			37		1 top	42 .	{ <u>44</u>	8
				•			ins sico	e date 10	

DS 42528/1

<sup>4/</sup>I/ 41

### TABLE 9 (contd.)

(11) Replacement parts       Quantity       Value       Entries       Quantity       Value       Quantity       Value       Quantity       Value         Metallurgical furnaces       Tons       \$'000       No.       Tons       \$'000       Tons       <	QuantityValueEntriesQuantityValueQuantityValueQuantityValueWetallurgieal furnacesTons\$'000No.Tons\$'000Tons\$'000Other metallurgieal furnaces(11)27\$'000Tons\$'000Other metallurgieal furnaces(11)11\$'000Tons\$'000Other descriptions, including electric furnaces and parts of oil furnaces90g(11)77Complete90g(11)777Mindag sachinery, excluding portable poer tools7661277Conveyors, underground, electric(1) and (11)3555\$5519649654Number sachinery, portable poer tools1212Other sings mechanics catationary, electric (1) and (11)211112No.Tons1611212Other sachinery lactinery member of the fully mechanics, calculating, adding, ilsting, book-ceeping, billing or poscing mechanics, cramp section sachineryTons1112 <td< th=""><th>Kind of output (1) Complete machines, etc.</th><th></th><th>.948(a) Sales</th><th></th><th>1937(b) Product</th><th></th><th>1935(b) Product</th><th></th></td<>	Kind of output (1) Complete machines, etc.		.948(a) Sales		1937(b) Product		1935(b) Product	
Metallurgical furnaces (contd.)     1 <th>Metallurgical furnaces (contd.)     1<th>(11) Replacement parts</th><th>Quantity</th><th>Value</th><th>Entries</th><th>Quantity</th><th>Value</th><th>Quantity</th><th>Value</th></th>	Metallurgical furnaces (contd.)     1 <th>(11) Replacement parts</th> <th>Quantity</th> <th>Value</th> <th>Entries</th> <th>Quantity</th> <th>Value</th> <th>Quantity</th> <th>Value</th>	(11) Replacement parts	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Other metallurgical furnaces       0.1	Other metallurgical furnaces       0.1		Tons	£'000	No.	Tons	£'000	Tons	£'000
Gas       (11)        27        1          011       (1)        1        1        1          Other descriptions, including electric turnaces and parts of oil turnaces        90       8       (11)       1        760       33         Complete        90       8       (11)        7        3         Complete        90       8        127         3         Consciente       (1) and (11)        35       5       5       5        79         Conveyors, underground, electric winding machinery, neumatic power       (1)        11       12         12         Other maning mechinery, neunatic power       <	Gas       (11)        27        1          011       (1)       (1)        1        1          Other descriptions, including electric turnaces and parts of oil turnaces        90       8       (1) {7       2        37         Complete         90       8       (11)       -        37         Complete         90       8       (11)       -        37         Complete          90       8       (11)       -        37         Complete           90       8       (11)       -         37         Complete	Metallurgical furnaces (contd.)			- B.B	5 57	The viles		I see 1 out
011       (1)        1       1 <td< td=""><td>011       (1)        1       1       <td< td=""><td>Other metallurgical furnaces</td><td></td><td></td><td>4-1</td><td></td><td>7</td><td>and in f.</td><td>03 mbb) -</td></td<></td></td<>	011       (1)        1       1 <td< td=""><td>Other metallurgical furnaces</td><td></td><td></td><td>4-1</td><td></td><td>7</td><td>and in f.</td><td>03 mbb) -</td></td<>	Other metallurgical furnaces			4-1		7	and in f.	03 mbb) -
Other descriptions, including electric furnaces and parts of oil furnaces        90       8       11       780       33         Complete        90       8       (11)       2        73         Complete        90       8       (11)        76       6         Maintegrate        78       6        127        3         Mining machinery, excluding portable power tools        127        105        79         Conversors, underground, electric       (1) and (11)        55       5       551       98       495       54         Conversors, underground, electric       (1) and (11)        55       5       (1) 416       28       382       24         Maining electric winding machinery, pneumatic power (1)       11        11       12        (1) 416       28       382       24         Including electric winding machinery       (11)        12        (11) 416       28       382       24         Including electric winding machinery       (11)        12        11	Other descriptions, including electric furnaces and parts of oil furnaces        90       8       11       780       33         Complete        90       8       (11)       2        73         Complete        90       8       (11)        76       6         Maintegrate        78       6        127        3         Mining machinery, excluding portable power tools        127        105        79         Conversors, underground, electric       (1) and (11)        55       5       551       98       495       54         Conversors, underground, electric       (1) and (11)        55       5       (1) 416       28       382       24         Maining electric winding machinery, pneumatic power (1)       11        11       12        (1) 416       28       382       24         Including electric winding machinery       (11)        12        (11) 416       28       382       24         Including electric winding machinery       (11)        12        11	Gas (11)		27	••	hanna i	E	1008	reciao
electric furnaces and parts of oil furnaces Complete Replacement parts Unclassified Coal cutters, power operated (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power coal cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power coal cutters, power coal cutters, power (1) and (1) Coal cutters, power coal cutters, power (1) and (1) Coal cutters, power cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal	electric furnaces and parts of oil furnaces Complete Replacement parts Unclassified Coal cutters, power operated (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power coal cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power coal cutters, power coal cutters, power (1) and (1) Coal cutters, power coal cutters, power (1) and (1) Coal cutters, power cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal cutters, power (1) and (1) Coal	011 (1)		1		the there are	an ta sow-	noter wood	aonine 't
Complete        90       8         Replacement parts        76       6         Unclassified        76       6         Mining machinery, excluding portable power tools        76       6         Coal cutters, power operated       (1) and (11)        355       5       551       98       495       54         Conveyors, underground, electric       (1) and (11)        355       5       5       5       5       79         Conveyors, underground, electric       (1) and (11)        95        105        79         Conveyors, underground, electric       (1) and (11)        95        105        79         Conveyors, underground, electric       (1) and (11)        21        (1) 416       28       382       24         Nother mining machinery       (11)        109       14       12        (11)       12         Unclassified mining machinery       Moint Tons       75       12       -       -       -       -       -       -       -       -       -       -       -<	Complete        90       8         Replacement parts        76       6         Unclassified        76       6         Mining rachinery, excluding portable power tools        76       6         Coal cutters, power operated       (1) and (11)        355       5       551       98       495       84         Conveyors, underground, electric       (1) and (11)        355       5       5        79         Conveyors, underground, electric       (1) and (11)        95        105        79         Conveyors, underground, electric       (1) and (11)        95        (1) 416       28       382       24         Nuclassified        10        12        (1) 410       28       382       24         Other mining machinery       (11)        109       14       12         12         Unclassified mining machinery       (11)        75       12            Office machinery       No.       Tons <td< td=""><td>electric furnaces and parts</td><td></td><td>1-408</td><td>9.414.8</td><td>(1) {29</td><td></td><td></td><td></td></td<>	electric furnaces and parts		1-408	9.414.8	(1) {29			
Unclassified        127          Mining machinery, excluding portable power tools        127          Coal cutters, power operated       (1) and (11)        355       5       551       98       495       54         Conveyors, underground, electric       (1) and (11)        355       5        105        79         Conveyors, underground, electric       (1) and (11)        95         (1) 416       28       382       24         Other mining machinery, including electric winding machinery, pneumatic power (11)        21         (1) 416       28       382       24         Unclassified mining machinery       (11)        21          12         Office machinery       (11)        85       12       -	Unclassified        127          Mining machinery, excluding portable power tools        127          Coal cutters, power operated       (1) and (11)        355       5       551       98       495       54         Conveyors, underground, electric       (1) and (11)        355       5        105        79         Conveyors, underground, electric       (1) and (11)        95         (1) 416       28       382       24         Other mining machinery, including electric winding machinery, pneumatic power (11)        21         (1) 416       28       382       24         Unclassified mining machinery       (11)        21          12         Office machinery       (11)        85       12       -	Complete	60   965 15 ··· 35	90	8	(11)	-	••	3
Mining machinery, excluding portable power tools       Image: Construction of the second	Mining machinery, excluding portable power tools       Image: Construction of the second	Replacement parts		76	6	1.000	10	1,234	
portable power tools       Coal cutters, power operated       (1) and (11)        55       5       551       98       496       54         Conveyors, underground, electric       (1) and (11)        95        105        79         Conveyors, underground, electric       (1) and (11)        95        105        79         Hauling engines, stationary, electric       (1) and (11)        21        (1)416       28       382       24         Other mining machinery, neumatic power machinery on power and (11)        21        (11)1       40        12         Unclassified mining machinery       (1)       (1)        75       12       -       -       -       -         Office machinery       No.       Tons       Tons       -	portable power tools       Coal cutters, power operated       (1) and (11)        55       5       551       98       496       54         Conveyors, underground, electric       (1) and (11)        95        105        79         Conveyors, underground, electric       (1) and (11)        95        105        79         Hauling engines, stationary, electric       (1) and (11)        21        (1)416       28       382       24         Other mining machinery, neumatic power machinery on power and (11)        21        (11)1       40        12         Unclassified mining machinery       (1)       (1)        75       12       -       -       -       -         Office machinery       No.       Tons       Tons       -	Unclassified	• •	127	••		ing i	BITC INSULG	
operated       (1) and (11)        35       5        105        79         Conveyors, underground, electric       (1) and (11)        95        105        79         Hauling engines, stationary, electric       (1) and (11)        95        105        79         Mauling engines, stationary, electric       (1) and (11)        21        (1)416       28       362       24         Other mining machinery, including electric winding machinery pneumatic power loaders and pneumatic stationary hauling engines       (1)        21        (1)416       28       362       24         Unclassified mining machinery       (1)        109       14        12         12         Office machinery       (1)        85       6                                  .	operated       (1) and (11)        35       5        105        79         Conveyors, underground, electric       (1) and (11)        95        105        79         Hauling engines, stationary, electric       (1) and (11)        95        105        79         Mauling engines, stationary, electric       (1) and (11)        21        (1)416       28       362       24         Other mining machinery, including electric winding machinery pneumatic power loaders and pneumatic stationary hauling engines       (1)        21        (1)416       28       362       24         Unclassified mining machinery       (1)        109       14        12         12         Office machinery       (1)        85       6                                  .		ar A	1019	185	(11)			
electric       (1) and (11)        95          Hauling engines, stationary, electric       (1) and (11)        21          Other mining machinery, including electric winding machinery, pneumatic power loaders and pneumatic       (1)       2,391       181       12         Unclassified mining machinery       (1)       2,391       181       12        12         Unclassified mining machinery       (1)        85       6       -       -       -         Office machinery       No.       Tons       No.       Tons       -       -       -         Accounting, calculating, adding, listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including typewriters incorporated therein       11       -       1       -       -       -         Cases and other parts thereof, other than empty ribbon spools, parts of such spools and       11       -       1       -       -       -       -	electric       (1) and (11)        95          Hauling engines, stationary, electric       (1) and (11)        21          Other mining machinery, including electric winding machinery, pneumatic power loaders and pneumatic       (1)       2,391       181       12         Unclassified mining machinery       (1)       2,391       181       12        12         Unclassified mining machinery       (1)        85       6       -       -       -         Office machinery       No.       Tons       No.       Tons       -       -       -         Accounting, calculating, adding, listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including typewriters incorporated therein       11       -       1       -       -       -         Cases and other parts thereof, other than empty ribbon spools, parts of such spools and       11       -       1       -       -       -       -	Coal cutters, power operated (1) and (11)	8	35	5 {	S (2. 2 ) 1 7 - 1		and the second second	
electric       (1) and (11)        21        (1)416       28       382       24         Other mining machinery, including electric winding machinery, pneumatic power loaders and pneumatic floaders andit floaders and pneumatic floaders and pneumatic floaders anditic	electric       (1) and (11)        21        (1)416       28       382       24         Other mining machinery, including electric winding machinery, pneumatic power loaders and pneumatic floaders andit floaders and pneumatic floaders and pneumatic floaders anditic		···· ·	95			seking	recessin Line and	
Other mining machinery, including electric winding machinery, pneumatic power loaders and pneumatic stationary hauling engines	Other mining machinery, including electric winding machinery, pneumatic power loaders and pneumatic stationary hauling engines			21			-	TILLING DOM	Latres
machinery     (11)      75     12     -     -     -       Office machinery     No.     Tons       Accounting, calculating, adding, listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including typewriters incorporated therein     No.     Tons       Complete, electric     11     -     1      -       Cases and other parts thereof, other than empty ribbon spools, parts of such spools and     11     -     1	machinery     (11)      75     12     -     -     -       Office machinery     No.     Tons       Accounting, calculating, adding, listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including typewriters incorporated therein     No.     Tons       Complete, electric     11     -     1      -       Cases and other parts thereof, other than empty ribbon spools, parts of such spools and     11     -     1	including electric winding machinery, pneumatic power { (1) {		61	) not i	(1)416	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Accounting, calculating, adding, listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including typewriters incorporated therein Complete, electric 11 - 1	Accounting, calculating, adding, listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including typewriters incorporated therein Complete, electric 11 - 1	Unclassified mining (1) machinery (11)							-
listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including typewriters incorporated therein Complete, electric 11 - 1	listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including typewriters incorporated therein Complete, electric 11 - 1	Office machinery	No. Tons	- the state	ul Tife	(47		tools	
Complete, electric     11     -     1      -        Cases and other parts thereof, other than empty ribbon spools, parts of such spools and     11     -     1	Complete, electric     11     -     1      -        Cases and other parts thereof, other than empty ribbon spools, parts of such spools and     11     -     1	listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including	11 19 44		Ton.		rhiada, Ling 111s and 111s and	gla, cutt wood-wor arest d as blade power tr	
Cases and other parts thereof, other than empty ribbon spools, parts of such spools and	Cases and other parts thereof, other than empty ribbon spools, parts of such spools and	Lave milest	1		**	(11) pin	(2)		
other than empty ribbon spools, parts of such spools and	other than empty ribbon spools, parts of such spools and	Steed States and the states of the	11 -	1	••	9 -	- asp	artig-tas	ad-fileses
		other than empty ribbon spools, parts of such spools and		2	••		.(11)	00.000	1.32819

Kind of output (1) Complete machines, etc.			948(a) al <b>es</b>		1937(b) Product		1935(t Product:	
(11) Replacement parts	Quan	tity	Value	Entries	Quantity	Value	Quantity	Value
)ffice machinery (contd.)	No.	Tons	£'000	No.	Tons	000\$	Tons	£'000
Typewriters				B.8. (1)				
Complete, new (not exceeding 22 lb. in weight), and reconditioned	<pre>{ 1, 609 4, 448</pre>	26 ••	36 116 13	27		 maching	roi Ty making	Pot t
Cases and other parts thereof, other than empty ribbon spools, parts of such spools and inked ribbons	25, 612	ons	4		Laewhere ser than the	iluded e ling, ot lo <del>g</del> ile	tion and in state moul bistics a	8919 19 1
Letter opening, letter sealing, stamp affixing, postage franking, perforating, and cheque writing machines and machines for the automatic	0		38				streulte	
production of typewritten correspondence, not including typewriters (1	)		2		(1) - (11) -	uton <del>-</del> , 	8	10 1
Other office machinery, including punched card {(1) machines and duplicators {(1)			359 34			2	oliusibu	
Unclassified parts, of plastic materials	136	••	30	11	-		-	-
Reconditioned office machinery (other than typewriters) (1) and (11	.)	10	28	7	-	-	-15/10	-
Paint spraying, metal spraying and similar machines, excluding insecticide spraying machines (1) and (1:	L)		17	5	n marine, ading hi <del>r</del> ery,	ther the ating when the states of the states	movers ( h recipro has tor m	Prim ata ata -ang
Plantation machinery (1) and (1.			6		75, 360 tor (3)-	aircea Vijo <del>m</del> oo	igines for les-or lu	ian-
Plastic working and manipulative machinery, other than presses (1	1	23	· 4 8 9	} 5	-			a at -
Portable power tools	No.	Tons			h (diesel	lenith	mpression ad dual 1	
Pneumatic	200	- Hand		1.	-Q -2	03 9011	Not exces	
Of the hand held type (including flexible shaft drive tools) as employed in the general engineering, metal-working, wood-working, stone-working and building industries	1) 1) 1) 1) 36 1, 243  		1 21 2 103	} 5 5	(1) { 18 	11 39	36	38
Of the type employed in civil engineering, mining and quarrying (1) and (1	1)		152	5		4	••	9

DS 42528/1

MECHANICAL ENGINEERING (GENERAL)

4/I/43

### TABLE 9 (contd.)

TABLE 9 (contd.)	-							9 (contide.)	TABLE
Kind of output (1) Complete machines etc.			Sale	8 (a) es		1937 (b) Product		1935 (b) Product	
(11) Replacement parts	1 893	Qua	ntity	Value	Entries	Quantity	Value	Quantity	Value
Portable power tools (contd.)		No.	Tons	£'000	No.	Tons	£'000	Tons	£'000
Petrol	{ (1) (11)	55	88 8	6 1		-galbes-R	- 502 <del>)</del> (1011)	ersalita np-ers. an in in	
Pottery making machinery	(11)			6	••	-	-0	acijipa <del>.</del> oe	-
Presses not included elsewhere				Tonga		s thereof.	ter par	ses and ot	
Plastic moulding, other than tableting and pelleting						oben ch speels (8)	to to a bood	tier chan. pools, par hd inied r	
Hydraulic	(1) (11)	81  	64 35 ••	22 7 2 2	5		8 19191. 1905. 1016. 10061	rr ögenlag ng affixin iking, per ni- writin	1391 N 578 571 - 570
Other .	(1) {	3 ••	1	- 2	}		h-Buc typewr , not	il-es lor luction of espondenci	ora noo
Other presses, including baling presses		-	892				chiner) hed-car	MALINGE DILLER M DALLER DUN	
Hydraulic	(1) (11)	6 ••	55 165 ••	10 23 5	6		up <del>ids</del> i rts, o	thes and	
Other	(1) (11)	331 •• ••	204 104 	84 16 16 20	} 21 11	) (1) 81 (11) -	5 з - т есііі торина с	itet Aster ditioned er than t SBC	510 509 510
Prime movers (other than marine, steam reciprocating winding engines for mining machinery, or engines for aircraft, motor vehicles or locomotives)			Н.р.	181	12 (n	eriuding (1) and	ines, ying	ipraying, imflar mad icida spr ies ion machi	
Internal combustion, reciprocating			8			evidelec	nen oni nen j	working working tery, othe	
Compression ignition (diesel and dual fuel)	L	- 80.	8 200	To)	IN NO.		ols	as Dover 5	
Not exceeding 50 h.p. (1) and	(11)	••		674	6	1	TVJ bie	aatic	
Over 50 h.p. not exceeding 1,500 h.p.	$ \left\{\begin{array}{c} (1)\\ (11) \end{array}\right\} $	313 ••	88 <b>,00</b> 1	1,143 209	5 5	(1) 1, 865 (11)	256 17	1,048	115 12
Over 1,500 h.p.		T	- 21 2 105			-vorking. uliding	ig, wood	n tal-worki s cne∽worki stostries	
						iteres in		0.0012	

#### NE a loopted ) TA

TABLE 9 (contd.)		1484.63	E.			n i serie e an	and the second	
Kind of output		Aless Value I	1948(a) Sales	meus	1937 (b Produc		1935 ( Produc	
<ul><li>(1) Complete machines, etc.</li><li>(11) Replacement parts</li></ul>	Quar	tity	Value	Entries	Quantity	Value	Quantity	Value
Prime movers (other than marine, steam reciprocating winding engines for mining machinery, or engines for aircraft, motor vehicles or locomotives) (contd.)	No.	H. p.	£1000	NO.	Tons	£1000	Tons	£1000
Internal combustion, reciprocating (contd.)	6	101 7 14	33 4-			aniasoo	aner recipi	0.5
Paraffin, petrol and (1) other spirit (11)	28,612 54,105	109,828	957 614 219 21		37	9 105 3	28 ••• ••	11 65 2
Other, including gas and semi-diesel (1) and (11)	- 12 · ·	145 8 44 170	33		1) bitma	- - - the for	tary	- 1120
Unclassified (including reconditioned)reciprocating internal combustion { (1) engines { (11)		0001 14 180	30 1, 234	.12				10 11 11 11 11 11 11 11 11 11 11 11 11 1
Steam reciprocating, { (1) except pumping engines { (11)					110	· 13	117	16 15
the second signals	No. of sets	H. p.	ats •			betti	as malas	natis
Steam turbines { (1) (11)	{  139 ••	92,829	294 3,077 730	) 9 11	6,856	1,576 313	5, 425	1,052 293
Other and unclassified, including water { (1) turbines, etc. { (11)		182	46	6 15		-	2	-
	1 0	ons		1	11) and (1)	8008	n deacrifte	200
Pulpmaking and paper and board making machinery, including finishing machinery (11)	{	141 ••	20 42 109	<pre>8 16</pre>	130	12 64	29	3 35
Pumps Petrol and oil measuring (1) (11)	No. { 240 	Tons 25 89	11 49 54	55.	82	20	. 119.	20
enolicuole sin vine săncine e 128. sociedore sin vine săncine e societere, octor din sau		140	8 051			ana adhinea	680 Signal somplete String	ved.

DS 42528/1

4/1/44

MECHANICAL ENGINEERING (GENERAL)

.

4/I/45

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

### TABLE 9 (contd.)

Kind of output		-		18(a) ales				7(b)(c) duction		1935(b Product	
<ul><li>(i) Complete machines, etc.</li><li>(ii) Replacement parts</li></ul>		Quant	ity	Value	Entr	ries	Quant	ity .	Value	Quantity	Value
Pumps (contd.)	10	No.	Tons	£1000	No		Ton	.S	£1000	Tons	£1000
Pumps, other than petrol and oil measuring and hand pumps Steam reciprocating {( (1	1){	61 .:	245 .:	47 42 26	}	55	)(1)	576	57	512	40
Other reciprocating {(1	1){ 1)	1, 147 29 	364 23	147 10 7 41	}	8 6		••	21	  	7
Centrifugal and {(i axial flow	1)[]	6, 624 	408	141 7 34	}	8 7		620 ••	111 26	1, 190	118 21
Rotary (	1){	2,707 171	645 64	277 24 44	}	8 ·	) (1)	981	153	895	97
and oil measuring) and turbine pumps and parts of	1)/ 1)	88 2,,479 	251 363	97 32 102 41 95	]) .	•			15		11
Reconditioned pumps {(1	1) 1)	: ::		2	and the second	•		-	eodatine.	ear <u>l</u> recip	
Pumps, unclassified {(1	1){	9	5 212 ••	4 25 90 52		25 19		-	5	-	
Refrigerating machinery	14	e To	ns		1	** 20 *	No.	Tons		1	170/0
Automatic power operated refrigerators (1) and (1	1){	2,	020	1,355 121	} .	{	(1)8,002 (11) -		202(f)	{ 708 ••	136(f) 72 -
. sign heteropting spielte				4.4 4.4		. 1	(11	Fons 9	2	77	13
Other descriptions (1) and (1	1)		••	99	non.	8 (	(1) (11)	••	6	••	3
Unclassified	(1) .1)		103	177 216	E.D	••	(1)		9 {	55 ••	8 46 6
Refuse and sewage disposal machinery (1) and (1	1)		10.9	9		{	(1) (11)	389	26 5	631	32 4
Ribber works machinery ((1	(1){	a	945	133 85 57	}	9	1 (1)	44	3 -	71	7 2
Sewing machines, not included elsewhere		Thous.	Tons	1.148			Thous.	Tons	204	Thous. Tons	
New complete machines, industrial	{	••	3 20	1 6	}	••	4	6	1	0.1 21	4

TABLE 9 (contd.)						(	TABLE
Kind of output (i) Complete machines, etc.		1948(a) Sales	61 66	1937(t Produc		1935(b) Producti	
(11) Replacement parts	Quantity	Value	Entries	Quantity	Value	Quantity	Value
HOLEV VIIONEDA BULEV (ALM	Tons	£'000	No.	Tons	£'000	Tons	٤' 200
Sewing machines, not included elsewhere (contd.)	No.20M	- 000 1	2010		ile se	tion tellor	STORE I
Parts, other than needles		16	6	4-1	-1 871.80	eertage and	3
Steel-works and non-ferrous machinery and plant	2,767	631	1			448	13(h)
(excluding iron or steel rolls sold separately), not { (1) elsewhere specified { (11)		70 155	}		6 (g) 2	440	3
Stone crushing and screening machinery for quarry products, (1)	271	48 62	} 10	125	3	133	5
and stone working machinery, { (1) not elsewhere specified { (11)		28	) 11		3 September	rid . (leste	2
Tanning and leather working machinery, other than boot ∫ (1)	38	13 18	}	18	1	38	2
and shoe making and repairing machinery (11)		2	••		1	e and factor	2
Testing machinery and equipment (e.g., chain testing, cement testing, {(1)		7 31 3	} 8	-	<u>15770</u> -	0,625 in.	1970 1970
aero-engine testing) ((11		1 22	••	40	8	21	10
Tobacco and cigarette { (1 making machinery { (11		64 21	9		VI 1 100		2
Water and sanitary appliances, not elsewhere specified (1) and (11	){ 183	39 652	}	$\left\{ \begin{array}{c c} (1) & 25 \\ & & \ddots \\ (11) & \ddots \end{array} \right.$	4 71 7	55	1 93 6
Water works equipment (1) and (11 and plant	){ 15 ••	2 5	}	$ \left\{ \begin{array}{ccc} (1) & 28 \\ (11) & - \end{array} \right. $	3	55	
Weighing machinery, other than automatic slot machines		43 10	87	7 -	1 _	321	17 2
Well drilling machinery	110	858 859	108		toles	inan tor Vi	other 1
Complete machines	175	17 16	}	-	1	billh	Unclara
Replacement parts		9			-a -a		inpiries to
Wire making machinery $\begin{cases} (1) \\ (1) $	1) 1) 13 	5 56 23	}	-	ces). ere-	214	37
Wire working and wire winding machinery, other than cable making machinery (1) and (1	1) { 3 	1 102	}	{ (1) 66 (11)	8	aainoas, com byenents, c	Oli-sea Pr-aur parta m
	•						
		1			1		

•

DS 42528/1

DS 42528/1

MECHANICAL ENGINEERING (GENERAL)

<sup>4/</sup>I/47

TABLE 9 (contd.)

		1948(a) Sales		1937(1 Produc		1935(b) Product	
autry Value Cumury Value	Quantity	Value	Entries	Quantity	Value	Quantity	Value
135.554 Lord Jenn 1 1955	Tons	٤' 000	No.	Tons	£'000	Tons	£'000
Ball and roller bearings	1 4		1 .		a subanda je	Tanwasta-na	om10#1
Ball bearings and parts	}	88	10	35	16	16	8
Roller bearings and parts	1			7	4	10	8
Bearings (other than ball and roller bearings) and bushes, of all metals	468	282 299	28	(1-) (1-)	500 - 01 - 01 - 01	ding fron 0 opara dely). ere-specifi 01,1 11	aold aold -laew
Burners, sold as such	7	1 7	} 5	ALT VER	soreenjp rry produ mschiner	rushing and ery for qua- ore working	ig Stone Tachti and S
Chains (steel), transmission	1.7% 11 	100	and and	auf	patri 1;	sewnerfe spe	9.300
Roller type	1 88 1 ···	制改	21 85	A Herry 1	aninada a	tand test bias	ini misi Litoga
Up to and including 0.625 in. pitch		-				a ghliam ac anlriam ghl	la bhs llsgan
Over 0.625 in. pitch	50	20	9	1,080	165	1,187	174
Other	-	1 -	11	· ant	(30)	e, cenenc u ngine testi	-0.133
Engine parts, not elsewhere specified, sold separately	11.0	14 40 28	1 689		÷	and cigare	Tabasco Makin
Pistons	70	24 7	}	- 10.	- {	83	31 1
Cylinder liners and inserts	00.00	111				fee_) 1202	apeci
Gears and gear wheels, sold separately	h	1		(11) og	endi) pris	oris equipt ant	valer d bra v
For vehicles		72	15	13	3	357	- 40 50
Other than for vehicles	7,301	952 359	} 110 {	6,120	345 78	. 2, 970	178 64
Unclassified	25	3 38	} 5 {	216	25 72		Comp
Lubricators and parts (other than for railway wagon, etc. axle boxes), not included elsewhere		57	6	han - t	TON- VIS	scement part	Iqen Ingen
011 seals	Thous. 384	94		- 30	tro + mai	V Bas gradefre	1 84-1
Pressure gauges, complete and parts (movements, etc.)		559	48	(11) en	98	iery, other g rechinery	110

Pulleys and pulley wheels, of metal, complete and parts thereof, sold separately

Rolls of iron or steel

TABLE 9 (contd.)

For metal rolling mills

Cast iron and cast steel

Other

For machinery, other than metal-working

Cast iron

### Other

Valves, other than for motor vehicles, and cocks (excluding valves and cocks of brass or other copper alloys), sold separately

Wooden accessories, other than patterns

Machinery and parts, not elsewhere specified (1)

#### Complete

Replacement parts

Unclassified

Reconditioned machinery and plant, not elsewhere specified, including reconditioned sewing machines (complete)

Other engineering products

Arms, ammunition and naval, military and air force stores, not elsewhere specified

### 4/1/48

DS 42528/1

### MECHANICAL ENGINEERING (GENERAL)

	1	194 Sa	8(a) les	1948	1937 (b Produc	)(c) tion	1935(b) Producti	on
Quan	tity		Value	Entries	Quantity	Value	Quantity	Value
To	ns	NH -	£'000	No.	Tons	£'000	Tons	£'000
	636	· •	69 84	21	428	19	gainering	31
						pnent.	nitide ford Rewlere s Bie forgel	Black not (por
12,	199		6 60	33		1.017		
	20		2	a	-	-	199 by 199 by 199	-wood
			5377	**		ent and	nation equipped	istra play p
3,	714		169	35	-	(1014) (1014)	septite des	(1 will)-
	226		22	7		ind plant, piffed	douttment doutere st	3600 300
						105	iste work	Heavy I
3,	.174		421 381	} 45	921	96	867	62 26
			377	78	_	18,760		90
				18	2 2 1		exclangers	ADD
6.	, 338 <sup>,</sup>		870		6,674	656	5,696	456
	••		1,242	8	a 01	275	20 100000 03	71
	••		500	1937 18		104	tion in the second s	167
	••		110		3 5	and a second	· re lissor A	en ale
					1.19	iry Lifted	and the state of the state	Contraction and the second
	••		77	10	122	47	• •	44
				00	3	JYOL Bris	sincipate	Thele
7	, 588		2,467			3, 131	LECAL VESSEL	751
	••		1,256			0,101		
			(att)		2	1949	boxes and	Moulding parts t
7	, 588 ••			}	• • • • • • • • • • • • • • • • • • •	3, 131	and the second second second	751

### TABLE 9 (contd.)

TABLE 3 (comercy				aller and a second				
	1 887 (1 9 rodae		1948 (a) Sales		1937 (1 Produc		1935 (l Product	
aulay Alliquity entry	ttay .	Quantity	Value	Entries	Quantity	Value	Quantity	Value
		Tons	£'000	No.	Tons	£'000	Tons	£' 000
sell and follor reations			1 03	8328		to alesty	and pulley a to the second s	Pulleys
Other engineering products (contd.)	1		1		15	TELESA	aqua biqa .	peredi
				10	· .	100	ta no mont	Roffis di
Blacksmiths' equipment, not elsewhere specified						allta	antflor for	om moli
(portable forges, bellows, hearths, etc.)			8	1 . 98				
	-	55		1 100	\$1	185	o ons-nori 10	- caa t ste
Engineers' patterns of wood or metal	-		467	122		20		110
			10,	122		The Brandson	••	118
Fairground equipment and playground equipment	1					let than	chinery, 98 working	Roring Listen
(swings, slides, etc.)	-	•• 88	152	13		56	apat	22
Garage equipment and plant,	{	204	64	12	228	28	131	8
not elsewhere specified	4	••	45	) -~ (	••	41	ethen than	7
Heavy plate work, not included elsewhere					36	ibuloxe) e To asso or	a and cocks o	vehicle valves
887 08	19		1 19	174	4 -1	s) s sold	bpper alloy	o tendo o
Bunkers, bins and silos	{	904	52 26	} 11	-	other	<u>-</u>	. 🗸 🕐
Heat exchangers	-	16	2	8		19113-0	E01.03 0	sg nada
Pipes and chimneys	5	6,506	411			. Jon (F)	string one a	
Tipes and chimieys	2		28	} 11				Chine Trans.
Storage tanks, assembled	174		07 53	8 838			99	
or not		10,555	859	26	-	-	-	na trant
Pressure vessels	* *	455	40	6		_	and here and	
		1 7. 201	A See			1- marine	11191	0.75145
Sundry vessels		2,621	473	10		bal-gre	didaar-teano 100 eleewhe	Becendte.
Pressure and sundry		1 25	11 3		1	in the second	ibulani. "be	
vessels, unclassified		13	5			align The S	(9.	et autos)
Welded or rivetted built up plate work,						odieta	e gamescij	
including buoys and	Ţ	6,290	516	Ļ		- 100		
flotation vessels	L	i ania.	1 50	••		time	visitin .	even
Metal moulds	Ţ	873	142	5	356	34	477	17
Presdare canges, thatted and	4		355	× 41 {	••	27	••	36
Moulding boxes and						- Co	· · · ·	
parts thereof		770	44	15	-	-	-	-
					2			

### TABLE 9 (contd.)

	Larg	1948(a) Sales	1,i shren t	1937 (b Produc		1935(b) Production		
HELL IS	Quantity	Value	Entries	Quantity	Value	Quantity	Value	
1935	1967	£'000	No.	Tons	<b>ଛ' ୦୦୦</b>	Tons	£1000	
ther engineering products (contd.) Other and unclassified	no.T B <sup>io</sup> E <sup>mal</sup> eff	No. No. No.	ngines		ors bhan i n, p,	refrigera Not more Over fing		
engineering products, including engines for model aircraft, etc., and ships' telegraphs	lant, not colla for -	9,593	y and stee entry more }	11,835	699 1,017	12, 655 ••	650 847	
nstallation work other than constructional engineering work (j)	er than po	627	44	i sennere g	118), not	auriau odr	-	
epair and jobbing work, including roller covering (j)	here snee: Auring nee Lic appli	4,026	479	il making 6 machinar 15 sisewher	492	inding bat	1,881	
ther work done for the trade or on commission (including research and development	ndus trial. hanical.r 1956.	ulphent, and mer 1957 and	llising e http://www. sceived 1	oal) ston tacking r nd around	101 101 2011 1033 2011 1048	eganarie () Marine () Marine ()	0 mA (1)	
work and case-hardening done on commission) (j)	inery soo	1, 137	••	These	46		166	
Total		69,058	••	1949 C	13,750		11,116	

(a) Great Britain only.

(b) United Kingdom.

(c) Excluding Government establishments.

(d) - Recorded as: -

Heating and ventilating plant and appliances (other than of cast iron)

#### Air filtering machinery

Radiators

### Other descriptions

-(e) Recorded as: -

Laundering machinery, other than for textile finishing

Washing machines, mechanical

Other, except wringers and mangles for domestic use

DS 42528/2

MECHANICAL ENGINEERING (GENERAL)

1937 Tons $\begin{cases} (1) & 4 \\ (11) & . \\ . \end{cases}$	£'000 _ _	1935 Tons 40 ••	<b>£'</b> 000 5 1
$\begin{cases} (1) & 612 \\ (11) & \cdots \\ \\ (1) & \\ (11) & \\ (11) & \cdots \end{cases}$	49 6 132 6 3	(1) {1, 126 (1) { (11)	176 10 12
1937 Tons {(1) 117 (11)	£'000 - 18} 2}	1935 Tons (1) 410 (11) ••	£'000 40 5

					137000	
Production Production		BARAS -			Produce	107
BLE 9 (contd.)	Entritas (aler	MALAN VOID	in and			and a set
Recorded as:-		-				
Automatic power operated			1937		19	935
refrigerators		No.	Tons	£'000	Tons	£'000
me hearing habered				: All Same	nd Sullasur	(contd.)
Not more than $\frac{1}{2}$ h. p.		(1)7,699	1,330	156	{ 708 ••	136 6
Over th.p. Recorded as "Rolling mill mac	chinery and steel-	(1) 303 Works plant.	46 not elsewhe	46 ere specif	1 seafonu bu	16 19 00
draw benches, reeting or sti	raightening machine	es and rolls	for rolling	re specifi z mills."	ied, other	than
Recorded as: -	1 I. J IL			Tons	£'000	
Rolling mill (metal-working rolling mills), not elsewh	s) machinery (exclu	uding rolls f				
TUITIng millo), not crocki	lere specified		(Í)	169	8	
Tube making machinery			{ (1)	279	5	
	king machinery. no	al couhone	(11)		3	
Including battery and cell ma cutting, and dishwashing mac lighting appliances not alo	counting	and moocunin	mahaniam		and the second of the second second	
pulverising plant for coal;	sterilising equir	pneumatic a	ppliances,	not includ		
of food; piston rings. pack	ting rings, etc.:	and mechanic	crial, other	+ han A	the steril	isation
Amount charged in 1948 and am	ount received in 1	.937 and 1935	•			research
						IIO DECL
18.790						
					. A	
		PO 160				
		60,80			n Britain o	
				121	t Britain o en Kingdom,	
			bilisiments.	ily. iment est	t Britain on en Kingdom, uoing Bover rded Sair	
			blisiments:	ily. ment esta entitiatin	t Britain o al Kinédom, uding Sover rded as:- sting and y	
		69,60 1 28 (non	blisiments: s pient and of cast D	aly, mment esta enclusting other-thar	v Britain on ed Kingdom, uging Gover rded as:- sting and y ppliances (	
		28 - (non	blisiments: plant and f of cast 1	ily. ment sata sittlating other-that	t Britain o en Kingdom, uging Gover rded as:- sting and y ppilaness (	
belonesza "esimi energi son zine belonesza "esimi energi son zi son zine son zine so	To, International Andrew States	2.8 - (non	blisiments: pient and of cast b	ity, whent esta suctiating other-than ag machine	t Britain o ed Kingdom, uging Gover sting and y ppliances ( Air filierf	
bel dented a series and the series of the se			blisiments: pient and of cast 1) ry	aly. nment asta entiliating other-than ng machine	t Britain on ed Kingdom, uging Govern sting and v ppilances ( Air filteri:	
Loes and chimeys Loes and chimeys Coars Salva, Laward led 1000 3581 000 3581 000 365 04 04 04 04 05 04 04 05 04 04 05 04 04 05 04 05 04 05 04 05 04 05 04 05 04 05 05 05 05 05 05 05 05 05 05 05 05 05	100 512 150 53		blishments: plent and of cast in ry	ily, ment esta sittiating other-than ag machine		(a) Grea (b) Unico (c) Excl (d) Reco (d) Reco (e)
85 8 8			oblisiments: cient and of cast 17	ity. ment asta mittiating other-that ng machine	t Britain on en Kingdom, uning Govern sting and v pplianess ( Air filterin Radiators	18400 1941 1943 1944 1944 1945
			blishments: colcast h			
			blisiments: plent and of cast in ry			
12 13 14 12 14 12 14 12 14 12 14 12 14 12 14 12 14 12 14 12 14 12 14 12 14 12 14 14 14 14 14 14 14 14 14 14		1) 1) 1)			Radiators Other desor rded asi-	(a) Reco
	(1) {704 (1) {** (1) ** (1) **	1) } } ** 101				A Reco
10 11 10 10 11 10 10 10 10 10		1) 1) 1)			Radiators Officer desor rded as:- undering ma extile fini	оооая (ы) а.
12 13 14 15 14 14 14 14 14 14 14 14 14 14	(1) {704 (1) { (1) 5 5 5 1937 1937 1937 1937 1937			tot iona cainery, o shing hines, smee	Radiators Otner desor rded asi- undering ma extile fini Washing mac	(0) (0) (0) (0) (0) (0) (0) (0) (0) (0)
10 11 10 10 11 10 10 10 10 10	(1) {704 (1) { (1) 5 5 5 1937 1937 1937 1937 1937	107 ((1 (1)		tot ions cainefy, o shing hines, <sup>ko</sup> med	Radiators Officer desor rded as:- undering ma extile fini	(0) (0) (0) (0) (0) (0) (0) (0) (0) (0)

505

Marine machinery and parts

Compression ignition (diesel) internal combust: and parts

Propelling

TABLE 10

Auxiliary

Boilers

Other descriptions

Machine tools, metal-working (other than portabl tools), and parts

New

Presses

Lathes

Other, including welding machinery and equip

Reconditioned

Engineers' small tools

Textile machinery

Finishing machinery and parts

Other, including parts

Accessories, sold separately

Mechanical handling equipment and parts

Conveyors and elevators

Belt

Other

Cranes

Road, wheel or track mounted

Overhead travelling

Other

Winches and capstans

Other and unclassified, including recondition

DS 42528/1

4/1/52

MECHANICAL ENGINEERING (GENERAL)

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

Larger establishments

bas senines and	ole Netterrow-	and astronome	og spranges
	1948 (a) Sales	1937 (b)(c) Production	1935 (b) Production
	£1000	£'000	£' 000
tion engines	bratys, inclu	das pas vasalas	Electricki w
	1,407		Agperatore
	1, 261	SATE	distora.
	615	2,757	2, 429
e coaking	2,414	is and draies.	Loiney readed
le power			Complete.
Lo ponol			Tractors
	and a suggest	anstra de	Industri
	930	378	0.07
	589	975	663
pment	1,825	rentalos, incl	orem 10
	318	-	- 01 cyolo
	875	681	194
	25	ta and accessory	Alreest: par
	989	318	223
	1,053	276	887
	461	74	48
	184 185, and parts	, trans and tig	Collign the second
	ass.C.	dir propelled	Non-mechanit
	1, 523	able power tor s	Electric port
	1, 329	ols and implement	other hand o
	3,227 1993a ni	a wought ince	NO120W-Ware D
opper, not	528	2,031	1, 122
	346	Dellige	a character a
	507	36 881303	ALE SHALES
	282		UTINE C
ned equipment	1,843	1) (15 ,83 Remarks	0111000100
	1.		LABSESE-80

TARIE IN footd )

4/I/54

TABLE IO (contd.)	ish the trade of othe		8	
	iger process. Latisticente	1948 (a) Sales	1937 (b)(c) Production	1935 (b) Production
Printing, bookbinding, paper-	-working, etc. machines an	d ۵'000	£'000	£'000
parts Printing machinery	1948 (a) (53195	702	288	186
Other	121000	744		inter naoni
Electrical machinery and app	aratus, including parts	internet (internet)	r føntiton, (die	es Compression
Generators		634	48	and parts
Motors		760	896	1,135
Other		2,705	jone c'0	Auxiliag
Motor vehicles and cycles, a	nd parts	and reads for (1)	208	Bollers
Complete	S, 414 .	1 11	1951088	Other desc
Tractors		458	Serie tal-workin	Machine Cool
Industrial trucks		592	antesergeb. (2	pient: apunarawaN
Other commercial motor v	ehicles	538	Loan for the s	125123491d.on
Parts		907 and 1925.	1,275	1, 375
Of motor vehicles, inclu	ding motor cycles	2,091	noluding weldin	Qther, 1
Of cycles		344		Reconditio
Other descriptions, includ	ing trailers	170	tall tools	Engineers! a
Aircraft parts and accessori	es	526	282	
Rail locomotives and parts (	except axles, tyres and wh	neels) 1,011	189	112
Road rollers and parts		474	178	88
Railway carriages, wagons an vehicles, and parts (except	d trucks, including rail m axles, tyres and wheels)	notor 841	138	55
Colliery tubs, trams and tru	cks, and parts	300	117	38
Non-mechanically propelled v	ehicles (except cycles) ar	nd parts 347	31 31	35
Electric portable power tool	s and parts	604	22	3486 _
Other hand tools and impleme	nts	1,057	427	180
Hollow-ware of wrought iron	or steel	741	1,884	828
Manufactures of brass or oth elsewhere specified	ner alloys of copper, not	Desta	al or track mo travelling	Poad, wh Overhead
Valves and cocks		1,558	745	646
Other	SSS	785	551	400
Scientific instruments, appa	aratus and appliances	benotath money 1621	689	364
DS 42528/1				110000 00

## MECHANICAL ENGINEERING (GENERAL) TABLE 10 (contd.) ~ Springs Castings Iron Steel Stampings and pressings of iron or s Fabricated iron and steel Jigs and fixtures Cast iron stoves, grates and ranges : and heating, and parts and fittings Other goods Scrap metals sold Iron and steel Brass Other Constructional engineering, etc. work Great Britain (1948) or the United Work done as main contractors On factories and workshops (incl stations, gas works, petrol fil garages, etc.) On gas mains and works Other Work done as sub-contractors Total constructional engineering Less total value of goods made of firms' own works and used in th Total constructional engineering of goods made and used by firms Repair and maintenance work on moto: Other work done Total (a) Great Britain only. (b) United Kingdom. (c) Excluding Government establishments.

DS 42528/1

DS 42528/1

		connection (m)	
offenente la Great Ari	1948 (a) Sales	1937 (b)(c) Production	1935 (b) Production
	£'000 451	\$1000 238	ີ 147
a under the same control	4,560	1,873	1,048
TO MILLO BUSS SUD FOULD ON	734	342	426
steel	428	. 366	199
1248 2310123	2, 198	3, 479	732
1937	346		
for domestic cooking s therefor	1,491	5,952	4, 327
	8,291	fort	
3457		pendent provers	Sales co Indi
(1646) 68 19959 1	763	517	246
rohasing houses in this ments abroads i		262	105
orities fother than	388	101	58
rk carried out in		CINCOMENTIONS 29-1	IVES CODE DE
Kingdom (1937 and 1935)	bullders, ain active underta	and other prod	totsetter.
luding electric power	i other agenta		nelsente Mine
lling stations, repair	1,437	ing maintaine	Retailies
inter instant			Lason Tol
	4,052	LOUIDAL) 25 SEGO	18/0 Tanjo
	494	3,938	1,905
g work	7,955		a Later
or fabricated in		THE WAR	TetoT
he work	4,727	1	
g work, exclusive s	3,227	3,938	1,905
or vehicles	780	69	302
	508		
and the second second	62,668	32, 339	20, 557

### Analysis of sales, 1948

#### Larger establishments in Great Britain

T	A	B	L	E	1	1

4/1/56

IABLE II	The second s	
Strategie and strategie	Sales	Percentage of total sales
Sales (or transfers) to other organisations under the same control	£'000	
Productive works	11,129	2.6
Export sales organisations (including branches abroad)	6,963	1.6
Other wholesale or selling organisations	16,769	4.0
Retail shops, etc.	273	0.1
Total sales (or transfers) to other organisations under the	s, grates and range nd parts and fittin	Cast iron stove and heating a
same control	35, 134	8.3
Sales to independent buyers	DI DI	
Exports invoiced directly overseas	56,840	13.4
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	21,371	5.0
His Majesty's Government and Local Authorities (other than productive establishments)	28,795	6.8
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	189,025	44.6
Wholesalers, merchants and other agents for resale	53,911 (a)	12.7
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	11,631	2.7
Other businesses (including farmers) and institutions of all kinds	13,443	3.2
Members of the public, including employees	2,062	0.5
Unclassified	11,526	2.7
Total sales to independent buyers	388,603	91.7
Total	423,737(b)	100.0
		TRACE COMPACES

(a) Of this total £40,845,000 was recorded as divided between £13,715,000 for export and £27, 130,000 for other sales.

(b) This total represents the total shown in Table 23 (£453,694,000) less the aggregate value of constructional engineering work carried out in Great Britain (£7,955,000) and other work done (£22,002,000).

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

NOTE - Particulars of second-hand machinery, etc., whether reconditioned or not, are included in the oversea trade figures and, accordingly, the recorded output of reconditioned machinery, etc. has been included, so far as practicable in the detailed sales (or production) figures shown. Parts are included where not otherwise specified.

LE 12 STOT COOLS STOT					E GAR		Way .
64 44 Joi m	1967 242	Productio	on (b)(c)	Expo	rts (d)	Retai	
icultural machinery	19-16	٤'(	000 000	Tons	£'000	Tons	£'000
loughs	5,831			2949	(1) arallo	1 6000	
Mechanical power	{1948 {1937	3,8	312 38	8,714 1,498	1,267 118	2,690 2,057	260 104
Animal power	{1948 1937		214 191	2,110 2,853	25 1 120	92 329	12 14
ay and grass mowers, other than rotar blade type (f)	y {1948 1937		316 314	1,231 573	259 34	1,558 1,092	190 57
eapers and binders	{1948 (1937	3 1948	528 99	647 675	111 39	1,374 2,437	215 138
hreshers	{1948 1937		936 142	1,319 625	234 53	392 25	106 2
ilking machinery	{1948 1937	2,	1 <b>1</b> 7 22	280 51	158 13	21 192	11 91
ther descriptions							
Planters and seeders	1948	E. ABI	623	81	20	155	24
Other (except tractors)	1948	13,	110	21,672	3,543	8,817	2,037
Total other descriptions	(1948 (1937	13, 1,	733 380	21,753 4,516	3,563 411	8,972 3,276	2,061 192
Total agricultural machinery	{1948 1937		859(g) 586	36,054 10,791	5,843 788	15,099 9,408	2,857 598
and gas compressors and exhausters	8 1998 8, 085	Tons	٤'000	NO.		N0.	
Complete	194.65	NOT YES				716	any.
Air compressors and exhausters (other than compressors supplied with paint spraying equipment)	1948	192	5,017	10,038 Tcns 6,070	2,187	169 Tons 222	} 105
Gas compressors and exhausters		2, 820 (h)	532 {	No. 115 Tons 419	> 136 <sup>4</sup>	No. 200 Tons 101	) 113
	1948	993. jo •	1, 034	719	377	. 264	172
Total air and gas compressors and exhausters	{1948 {1937		6,623(g) 1,766	7,208 2,804		587 829	390 137

TABL

Agri

Air

Pl

### MECHANICAL ENGINEERING (GENERAL)

#### ENGINEERING. SHIPBUILDING AND ELECTRICAL GOODS

### TABLE 12 (contd.)

daltioned of hot, are included in the trained state meaninging of a may been included, so far as practicent e factored where not otherwise specified.		Production (b)(c)	Exports	s (â)		ined ts (e)
CARLE DI		£1000	Tons	£'000	Tons	£'000
Battery and cell making machinery, not elsewhere specified	1948	242	54	44	13	10
Boilers, excluding boilers for ships or locomotives				htnerge	en Leur	
Water tube boilers (1)	{1948 1937	3,231 2,007	27,730 34,860	3,943 2,034	29 180	43 12
Locomotive type boilers for stationary purposes	1948 1937	113 71	485 565	66 35		(J) _
Lancashire and Cornish types	{1948 1937	732 438	2,603 1,018	261 44	өмо <b>с.</b> (.е -	(J)
Other descriptions	pat tar	1991) (18307 ) SSRpr the	edd 18dor	nowers,	t grass type (	
Economic types	1948	869	959	108	brie a	
Vertical types	1948	1, 162	2,483	365	637	62
Other boilers, including sectional boilers for steam (1)	1948	953	5,692	876	ers	Threst
Total other descriptions (1)	{1948 1937	2,984 935	9,134 2,833	1,349 164	637 51	62 4
Boiler-house plant		Deficies, and		enebaas	descrip	
Fuel economisers, feed-water heaters and steam superheaters	{1948 (1937	3,116 1,812	7,157 7,583	859 345	5 56	1 9
Other descriptions	TENGLE		220138	ransah re	tin Leti	÷
Feed-water injectors	1948	45	17,259	3,284 {	-	2.17: -
Other	1948	8,043(k)	and diamy	CETT CITE	137	46
Total other descriptions	{1948 1937	8,088(K) 4,340	17,259 7,626	3,284 494	137 471	46 76
Total boilers and boiler-house plant	(1948 1937	19,481(g)(k) 9,603	64,368 54,485	9,761 3,116	808 761	152 101
Boot and shoe making and repairing machinery (	1) $\begin{cases} 1948 \\ 1937 \end{cases}$	1,625 880	746 623	626 186	210 225	143 80
Bottling, packing, packeting, canning and labelling machinery	{1948 1937		<b>1,</b> 307 367	1,495 197	670 399	.680 176
Cement making machinery	{1948 1937		6,761 1,747	691 86	77 4,401	8 277
Excavators and similar digging machinery (excluding cableway dragline excavators and rope-hauled dragscrapers), complete	1948 <	No. £'000 1,381 Tons 4,778 23,700(n)	No. 817 Tons 9,322	) 1,931 ·	NO- 574 Tons 17,202	4,089

TABLE 12 (contd.)

Retained Production (b) (c) Exports (d) imports (e) £'000 Tons £'000 Tons £'000 1948 2,597 6,497 1,298 25 9 1937 817 185 2.012 154 21 1948 1,848 1,138 318 95 20 1937 777 1,802 212 10 84 1948 629 884 281 1 1937 403(m) 2.628 246 11 -1948 296 66 149 77 169 1948 526 551 36 107 86 1937 213 104 13 200 43 1948 7,558 4,296 1,813 309 143 1937 1.191 1.551 221 sweet-making machinery 1.134 252 Dairy machinery and plant, not elsewhere specified Churns for butter making, combined churns (1948) 39 24 3 59 2 and butter workers and cheese presses 33 10 39 1937 8 5 2.489 1,723 1,083 29 35 1948 Other dairy machinery 1937 714 538 208 142 540 1948 13,774 180 Sugar making and refining (other than 2,464 2,146 1,211 590 centrifuges) 759 32 1937 9,902 212 1,123 1948 517 251 specified, except drink-making or 5,139 2,841 canning machinery 1937 908 634 126 1.180 217 1948 22,673 6,189 2,068 613 Total food preparation, processing 18,160(g) 1,153 12,834 3,103 648 and sterilising machinery 1937 3,408 735 417 176 472 1948 1,434 1937 171 143 23 347 98 1948 30 2,880(0) 5,955 1,858 119 1937 530 2,710 282 109 13 NO. NO. Cleaners and washers, driers, wringers, ironing machines and any combination 48,513 3,498 Tons 125 1,327 5,107 Tons thereof, complete 1948 424 3,695 89 .54 682 210 1,401 Other, including all parts 1948 179 1,538 513 1948 6,564(g) 4,377 Total laundering and dry cleaning 319 1,356(p) 745 96 2,225 1937

Concrete mixers Condensers (excluding marine) (1) Drying machinery, centrifugal (including laundry hydro-extractors) Electric lamp and radio valve making machinery, not elsewhere specified Filter presses Food preparation, processing and sterilising machinery \_ Bakers' and confectioners', including -Other descriptions, not elsewhere Glass-making and glass-working machinery and plant (n) Laundering and dry cleaning machinery, other than for textile finishing, except domestic machines operated by hand and hydro-extractors

Grain milling machinery

machinery and parts DS 42528/1

DS 42528/1

MECHANICAL ENGINEERING (GENERAL)

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

TABLE 12 (contd.)

						and and and the second	
a) Exports (d) Laports (e)				ts (d)	Retained imports (e)		
Lawn mowers	£1,000	£'000	Tons	£'000	Tons	£'000	
Hand driven	{ 1948 1937	<b>1,</b> 552 593	2,573 600	451 70	14 45	2 2	
Animal or mechanically driven	{ 1948 1937	1,691 562	1,179 313	563 77	4	1 1	
Machine tools, wood-working (other than portable power tools)	403 (3) 403 (3)	1.987	ndeyndeo -	control (355 (tractors)	veenin vero-ei	neyding mae laundryr i	
Sawing	1948	1, 793	1,667	546	ante an , not (		
Planing and moulding	1948	1,393	1,410	418	800	319	
Other	1948	1,977	2,571	881	TOLICI	Foce prep	
Total machine tools, wood-working	{ 1948 1937	5,302 (g) '930	5,648 1,455	1,846 215	800 2,141	319 200	
Metallurgical furnaces		N.SET ]	-	achinery	s chies	1-2 Sevie	
Blast furnaces	{ 1948 1937	486 515	783 3,041	109 105	4 208	1 16	
Other furnaces	{ 1948 1937	3,368 903	4,652 2,103	870 142	8 <b>1</b> 657	22 77	
Mining machinery, excluding portable po tools	ower	1564 Jile	7,157	adhtnery 858 946		nenatu j	
Coal cutters, power operated	{ 1948 1937	2, 763 787	1,101 397	478 87	39	2 2	
Winding, steam and electric	{ 1948 1937	55 <b>1</b> 635	2,660 3,827	438 (q) 252	32 365	5 (q) 14	
Other descriptions		TERLISEO	007999992 7363977	ofsidestants itte machine	tainedi 14in eti	LBOOLAG bas To	
Conveyors, underground	1948	7,226	2,467	357	10	4	
Power loaders	1948	345	152	53	63	33	
Hauling engines (stationary), pneumatic and electric	1948	885	243	64		295	
Other	1948	4,010	11,515	2, 111	892	690	
Total other descriptions	{ 1948 1937		14,377 18,818	2,585 1,715	965 1,389	331 187	
Total mining machinery	{ 1948 1937		18,138 23,042	3,500 2,054	1,000 1,763	339 203	
		123,00001	1. 1, 362	1	7,802-11		

TABLE 12 (contd.)

#### Office machinery

Accounting, calculating, adding, lis book-keeping, billing or posting ma or any combination thereof (not bei machines operated in conjunction wi punched cards), including typewrite incorporated therein

Complete

Cases and other parts thereof, oth than empty ribbon spools, parts of such spools and inked ribbons

Cash registers and parts (other than empty ribbon spools, parts of such spools and inked ribbons)

Typewriters

Complete

Cases and other parts thereof, ot than empty ribbon spools, parts such spools and inked ribbons

Other office machinery

Total office machinery

Paint spraying, metal spraying and similar machines, excluding insectic spraying machines

Portable power tools

Pneumatic

Of the hand held type (including flexible shaft drive tools) as employed in the general engineer metal-working, wood-working, sto working and building industries, complete

DS 42528/1

### MECHANICAL ENGINEERING (GENERAL)

	ol Jonita 	Production (b) (c) Exports (d)			Reta impor	ined ts (e)				
lsting, machines eing vith gers	s,	No.	£'000	No.	£'000	No.	£1000			
390 130 194	1948	26,401 Tons 308	} ],343 {	8,323 Tons 103	427 {	10,314 Tons 305	1,486			
cher of an	1948	1946	38	47	164	211	524			
1 	1948	••• No•	1, 154	191 No.	276	379 No.	346			
	1948	90,000(h) Tons 1,250(h)	2,194	25,898 Tons 361	}    533  {	24,441 Tons 435	601			
879 · 169	1937	No. 51,420 Tons 653	606	No. 11,798 Tons 164	} 141 {	No. 63,885 Tons 852	667			
ther of	(1948 (1937	• •	106 42	32 30	30 19	33 102	68 124			
	1948	••	7,457	1,911	2,211	148	267			
	(1948 (1937	•••	12,606.(g 2,209	2,645	3,641 701	1,511 2,137	3,292 2,175			
cide	1948	£'0 1,2		185	174	8	6			
ring.		1940 1940 1948 1948 1948	a 1.500 1 1115 160 1.5.		o n.p. Not 800 n.p. 95trol and seting 10 h. 9 h.d. not a 10 h.p.	Over 3 over 1 brafftn Not er Gvær 1 Over 1				
one-	1948	1948 1948 1948 1948	782 {	No. 10,095 Tons 116	203	No. 1,091 Tons 4	} 7			
ring, one-	1948	1948 1948 1948	782	10,095 Tons 116		No. 1,091 Tons	} 7			

### TABLE 12 (contd.)

4/1/62

	t South	Productio	on (b)(c)	Expor	ts (d)		ts (e)
Portable power tools (contd.)	-	٤'	000	No.	£!000	NO.	£'000
Pneumatic (contd.)	NON -			and a series		Centro Ser	
Of the type employed in civil engineer- ing, mining and quarrying, complete	1948	19	898	10,727 Tons 361	453	737 Tons 22	37
Total pneumatic		1 4.6	101W	अन्यत् क्षेत्र इत्य	ant yers buildif(	ned (berd	pand pand
Complete	1948 1937	and the second	680 430	477	656	26	45
Parts	1937		194	356	284	290	151
Petrol, complete	808						
Of the hand held type (including flex- ible shaft drive tools) as employed in the general engineering, metal- working, wood-working, stone-working and building industries	1948		171	No. 113 Tons 6	8	No Tons	} -
	1.1948		02 (R) . dat	NO.		NO.	
Of the type employed in civil engineering, mining and quarrying	1948		148	896 Tons 71	78	2 Tons	
Presses, not included elsewhere	1) 000 .b		(	/1	/		
Tableting and pelleting presses, other than for powder metallurgy	1948	08481	198	168	40	••	•.0
Plastics moulding, other than tableting and pelleting	1.969 0837 1.	3.0	60 03	4, 658 2, 103	6780° - 112	ea e Lo 657	00
Hydraulic	1948	1337	979	400	184	••	
Other	1948		129	286	119	••	••
Prime movers (other than marine, steam reciprocating winding engines for mining machinery, or engines for aircraft, motor vehicles or locomotives)	1040	No.	£'000	No.	ring an	No.	
Internal combustion, reciprocating	-	The second se		5,827	A THULLINGER	and the second	
Complete (r)	•	(1948.) (1937)			e réchtner	1110 Ist	01
Compression ignition (diesel and dual fuel)	31948		20		-Her	1.00	
Not exceeding 50 h.p.	1948	37,266	6,729	22,784	3,949		Jimie
Over 50 h.p. not exceeding 300 h.p.	1948	3,530	5,640	2,115	2,388	44	47
Over 300 h.p. not exceeding 1,500 h.p.		285 5	1,759 136	198 15	1,302	avog. si	Porteb
Over 1,500 h.p. Paraffin, petrol and other spirit	1948	5	190	10	01/		
Not exceeding 10 h.p.	1948		2,624	32,301	977	1 BLOR	A STATE
Over 10 h.p. not exceeding 100 h.p.	1948	1,883	270	1,689	389	213	12
Over 100 h.p.	1948 1948	353	- 180	48 542	71 233	14	4
Other, including gas and semi-diesel	1948	353	100	Tons		Tons	
Parts	1948	1949	4,624	4,379	2,803	134	55
Total internal combustion reciprocating	{1948 {1937	••	23,484(g) 5,238	39,834 26,138	12,429 3,005	287 507	118 59
D0 40500/4						1	

DS 42528/1

Parts

### TABLE 12 (contd.)

Prime movers (other than marine, steam reciprocating winding engines for mini machinery, or engines for aircraft, mo vehicles or locomotives) (contd.) Steam reciprocating Steam turbines Water turbines, etc. Total prime movers Pulp making and paper and board making machinery, including finishing machine Pumps Petrol and oil measuring Complete Parts Total petrol and oil measuring Hand pumps, other than petrol and oi measuring Complete Parts Total hand pumps, other than peti and oil measuring Pumps, other than petrol and oil measuring and hand pumps Reciprocating Complete

DS 42528/1

### MECHANICAL ENGINEERING (GENERAL)

(o) (d) 3	(o) (d) notoou		Production (b)(c)		(d)	Retained imports (e)		
i 000 13 ling	201	Tons	£'000	Tons	£!000	Tons	٤'000	
notor			-TURES		n petrol mps (cont	ochar tha		
1	1948 1937	••	871(S) 604	1,351 1,119	303 135	64 166	8 12	
	1948 1937		5,769 2,587	2,673 2,253	1,388 538(t)	71 332	61 44(t)	
S15 -{	1948 1937	•••	470 133	1,072 38	479 9	21 31	15 4	
	1948 1937	•••	31,001(g) 8,562	44,930 29,548	14,599 3,687	443 1,036	201 119	
nery (u)	1948 1937	••	3,062 1,297	4,254 5,659	1,211	844 2,229	264 273	
ers	50 20 189(k)	T Jan Al S P	11 / 1 //	N0.	ete Drov	No.	druct Stop	
	1948	3,486	1,929 {	9,635 Tons 1,538	} 791 {	223 Tons 136	7	
	1948	••	658	153	142		••	
3,112	(1948 (1937		2,587 780	1,691 258	933 75	589	139	
100 77 2,513	1948	1,800 (h)	388 {	No. 157,225 Tons 1,072	} 295 {	No. 403 Tons 10	}	
12,552	1948	••	23	24	12		••	
trol	(1948 (1937		411 133	1,096 223	307 44		•• 5	
		69.4		No.	448	No.		
	rotal		81033	riagitta ar	beserved	CEER MAD	Refiniçar	
	1948 1937	11,500(h) 6,017	3,056 { 634	3,561 Tons 2,165	580 {	35 Tons 40	} 4	
	1937		128	1,844	264	141	23	
		1.00 1.91		80 (K)   81 (K)	960 224	240		

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

	ita, Diffi Do			CAL GOOD				
TABLE 12 (contd.)					. (	b2000)	SI BIBAT	TABLE 12 (contd.)
Exports (a) Inports (a)	(e) (C) (e)	Productio	on (b) (c)	Export	us (à)		ained rts (e)	M(c) Exports (d) Retained
Pumps (contd.)	0001.3	Tons	£'000	NO. MO.	٤'000	No.	£'000	Refrigerating machinery (contd.)
Pumps, other than petrol and oil m ing and hand pumps (contd.)	easur-		nostan. Testan	nes for m atrorate, consdat;	ding eng lnes for btives)	ting wit t, or en- orticeo	reciprod Rachilder Ventoles	Automatic power operated refrigerators (contd.)
Centrifugal and axial flow (v)		104.8 1837		19,477	and the second s	108	Steam	Complete (including complete mechanic units) (contd.)
Complete Complete	1948	15,000(h) 11,240	4,855	Tons 4,922	1,822	Tons 75	30	Other
Parts Parts	1937		312	3,765	593	169	49	Parts
- 44, 259 141599 0 - 448 4 - 501 23, 548 6, 687 - 1 - 1 005	31, 801 (E) 8, 562	1968 -		NO. 3,601	h . aray	No. 173	Tote	Other descriptions
Rotary, complete	1948	2,100(h)	1,277	Tons 482	209	Tors 8	7	Total refrigerating machinery
Turbine, complete	1948	No. 750 Tons 1,780(h)	279	No. 278 Tons 501	171	NO.	Putton	Sewing machines, not included elsewhere
Other, complete	1948	5,200(h)	) · · · (	No. 12,734 Tons 4,492	1,490	867 Tons 585	61	Complete machines and machine heads
Total rotary, turbine and other	r							an altered has 350 to 380 dee 16 to 18 to 1
Complete	<pre>{1948 1937</pre>	9,080(h) 4,606	3,112 569	5,475	1,869	E93	67	Parts, other than needles
Parts	1937	••	77	1,676	294	385	100	Steel-works and non-ferrous machinery and plant (excluding iron or steel rolls
Parts of all pumps other than per and oil measuring and hand pumps		1948 1,80	2,516	2,515	971	. 297	127 (W)	sold or consigned separately), not elsewhere specified
Total pumps (other than petrol oil measuring and hand pumps) parts		1048	13,539 3,568	15,077 7,285	5,242 1,151	1,005 695	229(W) 172	Cold drawing plant for bars and tubes Other tube making machinery, except extrusion presses
Total pumps of all descriptions and parts	s {1948 1937	•••	16,989(g) 4,481	17,864 7,766	6,483 1,270	1,151 1,319	237 316	Rolling mills (hot or cold) other than tube making
Refrigerating machinery	SA DADA		1. 790	TTO DIB	nakić petroj	ibris anti-	George	Other steel-works and non-ferrous
Automatic power operated refrigerat	tors	948 S	18%	16		procating	lowi.	machinery and plant, not elsewhere specified
Complete (including complete mechanical units)	0.01 3.060	NO.		NO.	· · · · · · · · · · · · · · · · · · ·	No.		Tanning and leather working machinery, other than boot and shoe making and repairing machinery
Of a storage capacity not exceeding 12 cu.ft.	1948	181,300(h) Tons 14,500(h)	7,991	36,257 Tons 4,248	1,659	746 Tons 65	41(X)	Tobacco and cigarette making machinery
Protection and the second s		1943	4, 846	4, 279	8.808	134		Weighing machinery

DS 42528/1

DS 42528/1

### MECHANICAL ENGINEERING (GENERAL)

Porchas	ed mate.	rials a	nd fuel.		()	Stros)	TABLE 12	
(0) (c) Experts	giod Jaisb	Producti	on (b)(c)	Expo	rts (d)	Retained imports (e)		
(contd.)	5 81X	Tons	٤'000	NO.	£'000	Tons	£1000	
ed refrigerators	294	1948		958TBA	ierth¢ ing	d THIER	Ball, and	
complete mechanical	jateri fuel p	le esa re pore.	tea	e of po	notestaare	014(1990	Chailed (2	
	(dentity	Cos	(	5,452	Cost Qua	ntito	- 2007 ·	
	1948	8 8.00 8 8.01	4,916	Tons 1,016	429	exceeding exceeding een inno	ada ada adad	
	1948		1,694	1, 947	789	> 331	285	
	1948	1	4,578	4,069	1,214	Jan Ling	dae 956	
machinery	{1948 (1937	6 • • 81 • •	20,157(g) 3,968	11,280 3,322	4,091 461	396 3,563	326 698	
luded elsewhere	65900 B	Thous.		Thous.	3, 830	Thous.	States -	
sections, of sections, 1	(1948	544.2(h)	4,962 {	475.1 Tons 12,355	3,915	15.5 Tons 451	989	
machine heads	2 1 BUB	1948 88		Thous.		Thous.	1220	
	1937	266.2 Tons 6,098	839	149.8 Tons 2,574	444	24.3 Tons 353	139	
lles of allowing the	{1948 1937	3,260(h) ••	1,145 1,831(y)	2,861 15,074	854 1,378	76 464	350 335	
rous machinery and or steel rolls rately), not	atly com	٤'(	000	ton for ton for (totston)	The ligure and produce as (or produ	table. in 194 ding 28 ding 28 ding 28 ding 28	the (b) Sela: (c) Inci (c) Valu (c) Valu	
r bars and tubes	1948	an nower nditione as.e	156	84	26	8	3	
ninery, except	1948	ini and	148	212	75	3	2	
cold) other than	1948	2,3	393	1, 937	446	Ala galb Ala galb bed	(b) Excl.	
non-ferrous not elsewhere	1948	1,4	437	2,221	533	3,813	815	
king machinery, oe making and	1948	er) inclusion	945	636	216			
aking machinery	{1948 {1937	3,	914 224	2,577	Pedper makin	103 43	111 29	
	(1948 (1948) (1937)	4,	052(z)	3,834	953 254	21 245	21 54	

TABLE 12 (contd.)	and the second second		Droducti	on (b) (c)	Fvn	orts (d)		ained	(b) 8391 (c) (d) 1894
			Producti		БУЪ	01 63 (0)	impor	rts (e)	
£1000 Tons 2000	.00 00	012 210	Tons	£'000	Tons 2,533	£'000 2,032	Tons 2,226	£'000 1,789	TABLE 13 an alstrong beschool to ease
Ball and roller bearings and	parts	{1948 1937	13,492	16,311 4,672	2,555	2,002 543	2,385	505	Butty Cost Quantity Cost
Chains (steel), transmission				in leal	iste mech			103 (10 C)	a tons . E'900 The tons E'000
Roller type				100-3-1142	19,477	Contra distant		Jim.	Press (inclusions all silvers of epiper.
Up to and including 0.62 not exceeding 0.2 in. in	5 in. pitch, width		1948		Tona 127 okt	1,882	76 T	0.0	
between inner plates	1.016	1948	2,516	810	940	327	285	•	Materials
Up to and including 0.62	5 in. pitch,		18491					etter :	Iron and steel
exceeding 0.2 in. in with inner plates	ath between	1948	1,665	1,224	479	283	151	48	Pig iron
Over 0.625 in. pitch		1948	3 2,978	1,140	758	313	ero:	Total	Bars and rods
Other .	3,522	1948	3 1,700(h)	500	32	22 (aa)	)		Alloy steel
Total chains (steel), tr	ansmission	1948		3,674 1,207	2,209 2,200	945 428	151 180	48 20	Iron and non-alloy steel
Rolls of iron or steel		389.4 (00 9			·		0.017		Angles, shapes and sections, of iron and non-alloy steel
For metal rolling mills					no Made	Case brie al	Cons.	tistamer.	Girders, beams, joists and pillars,
Cast iron			8 39,973	2,284	3,691 1,204	266 127	567 430	55 42	of iron and non-alloy steel
Cast steel			8 9,191	668	1,204,	1.21	100		Bars, rods, angles, shapes and
For machinery, other than Cast iron		194	8 7,649	539	1,339	100	230	15 (ab)	sections, of iron and non-alloy steel, unclassified
	duction) re	BALL MUDO	104010401	stablishm	ents in G	reat Britai	n (1948) dom are	or the given in	Sheets and strip, of alloy steel
United Kingdom (1937).	s. therefor	e. are not	strictly (	comparabl	e.			TOW-LEATS	Iron and non-alloy steel
(b) Sales in 1948 and product (c) Including sales (or prod	uction for sa	establishme	nts class	ified to	other tra	des. o non i			Plates and sheets
(d) Valued f. O.b.									Tinned
<ul> <li>(e) Valued c.l.I.</li> <li>(f) Described as "Grass cutt</li> <li>(g) Including unclassified (</li> </ul>	output (new	or recondit	ioned).						Other
<ul><li>(h) Partly estimated.</li><li>(i) The oversea trade figure</li></ul>			consigne	d separat	ely.				Hoop and strip (including tape)
<ul> <li>(i) Included with "Other des</li> <li>(k) Excluding burners and co</li> <li>(l) Described as "Boot and s</li> </ul>			in 1937.				on press		Plates, sheets, hoop and strip (including tape), unclassified
(m) Excluding laundry hydro-	-extractors.	d plant in							Tubes and fittings
(o) Described as "Grain mach	ines operate	d by hand,	other that	n wringer	s and mar	gles.			and the state of t
(q) Described as "Winder's,	assified out	put (new ar	nd recondi	tioned er	ngines) re	corded, the	e 1948 say unders	ales figures tated. This	Castings in the rough (h)
for individual classes	1.522,000) h	as been inc	luded in	the total	l value sh	nown for in	ternal c	ONDUSCION	Iron
(s) Excluding pumping engin	es which are	, however,	included	in the to	otal value	e shown for	prime m	overs.	Alloy steel
(t) Including marine steam	ing and boal	d making ma	achines" i	n 1937.					Non-alloy steel Forgings in the rough (h)
<ul> <li>(v) Described as "Centrifug</li> <li>(v) Including parts of petr</li> </ul>	of and off i	leasuring an	nd hand pu	mps.					Alloy steel
<ul> <li>(x) Described as electrical</li> <li>(y) Including some needles.</li> </ul>									Drop
(y) Including automatic slo (z) Excluding automatic slo (aa) Inverted tooth type onl	у.								Other
(ab) Including rolls of stee									Unclassified

4/1/66

MECHANICAL ENGINEERING (GENERAL)

Purchased materials and fuel

Larger establishments

. 1 USA 202.20	ENERG LEUT	, <u></u>				
1948 (	a)	1937 (b	)(c)	1935 (1	b)	
Materials fuel purc	A STREET AND A STREET A STREET	Usage of p	urchased n	naterials and	d fuel	
Quantity	Cost	Quantity	Cost	Quantity	Cost	
Th. tons	£1000	Th. tons	°£'000	Th. tons	£'000	
121.9	- 15 MBC	1.408.0 	ay steel	Lo-non bra	abai	
0.19 1.346	959 0.01	102.6	309	· · · · · ·		
313.3	3,317	344.5	1,637	261.0	955	
1,679	A+05	-	ingene en en	190	20	
59.6	3,629	204.2	3,610	125.6	1,982	
209.8	5,696(d)					
100 0	0 740 (1)		19928 V	£ 70 t	011/2)	
128.7	2,710 (d)	328.6	3,607(e)	79.4	814 (e)	
39.7	835	1 1	842	43.6	405 (e)	
	1459	Con a la	alen i	odni mrs is		
45.8	1,126	-	-	_	oda0 _	
26.9	1,958	h				
		0918tht	0.00.08.5	CHGI-FU LIGHER	8373Q	
veep.c	S. Star			Isels	PLAN	
9.1	509			is-nun bas	toril	
410.3	9,349	404.3	4,805(f)	208.5	2,243(f)	
25.0	1,010				derse-	
59.0	1,438			againens bi	ninciai	
66.0	4,019	\$ 41.8	1,248(g	1 26.8	744 (g)	
	551	\$ 41.0	1,240 (B	1	204	
1000	Call and			noleside	T.B.C.	
244.9	13,522	209.5	4,475	166.9	3,189	
15.7	1,954	64.5	2,610	43.7	1,419	
54.3	4,622	isqu	ind struct	abed bridge	blidet etcest	
250	8.6	his no 1	- 1941	AB DEA BEAR	Trres, 4	
7.1	788	1		and a start		
7.4	780					
4.2	381	1				
1. States		1 Andrewski	1		- 03 0258 A	

### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

TABLE 13 (contd.)

TABLE 13 (Conta.)	Tepl bos als	instant i	Necessorul -		a the second second second	
	1948 (8	a)	1937 (b)	(c)	1935 (t	)
	Materials fuel purc		Usage of	purchased	materials an	nd fuel
1984 819 (dy = 200 \$ 1980 1988 70 \$ 100 1 00	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials (contd.)	Th. tons	£'000	Th. tons	£1000	Th. tons	21000
Iron and steel (contd.)	0000 0000	VSISTED		in the second		
Forgings in the rough (h) (contd.)	10 0001a	- 6003	>		-	andraden
Iron and non-alloy steel		a parties	49.8	2,603	38.3	1,834
Drop	{ 15.9	1,345 343		179	142 I 153	ni 'el i
Other .	20.4	1,579	in the second	943 T	oto por in	a anes
Unclassified	9.7	749			s steeling	ALLO
Blooms, billets and slabs, of iron and non-alloy steel	51.0	1,086	aller aller	or steel ors	das senate .	ioni 1614a
Wire of iron and non-alloy steel	se months	1235.7	Pro Pro Pro		oneallor stel	r bas
Cables and rope	1.1	129 52	Ines	109 Steel	end hones iodes uncles	or to Bares
Other	{ 7.0 	331 37	104.3	877	opgi to .aag	(1)
Other descriptions, except finished parts		1 60.63 L	piris inge pirable	SAS YOLLEN Faste	o gran and	didde the
Alloy steel	40.2	2,058		THE GUT	disia bas co	ř1.11
Iron and non-alloy steel	25.7	518 166	-	X	tined:	
Scrap	196.5	1,016	Lega	sarbsten	j gitle bas	HOOL
- Machined castings	{ 13.3	1,522 340	115 115 115	ioop and a	es, sheeta, cluding tapp	1613. 11)
Chains .		0.88	1	e	alulli die e	a and a second
Transmission	{ 1.5 	461 277		(1)		(1)
Other	2.3	286 106			ter seats a	nen l
Fabricated bridge and structural steelwork		1,392		(月) 月間	alloy steel	
Tyres, wheels and axles	{ 2.8	250 390		•	y staal	ALLA
	087	2.4			194	10
		S+2-			-beiliesel	Ð

TABLE 13 (contd.)

Materials (contd.)

Rods and sections

Plates, sheets and strip

Castings

Other descriptions, except finished parts

Unclassified

Copper

Rods and sections

Plates, sheets and strip

Other descriptions, except finished parts

Aluminium and aluminium alloys

Plates, sheets, strip and circles

Extruded tubes, bars, sections and wire

Castings and forgings, rough dressed

Other descriptions, except finished parts

Tin

Blocks, ingots, bars and slabs

Other descriptions, except finished parts

Lead and alloys of lead Pigs, ingots, blocks, bars, slabs and cakes

Other descriptions

Unclassified

Zinc and alloys of zinc Ingots, blocks, bars, slabs and cakes Other descriptions, except finished parts Unclassified

.

DS 42528/1

DS 42528/1

0 12020/1

### MECHANICAL ENGINEERING (GENERAL)

1-	1				1.000 0						
-	1948 (	the stables	1937 (b	) (C)	1935 (b)						
	Materials fuel purc		Usage of	Usage of purchased materials and fuel							
	Quantity	Cost	Quantity	Cost	Quantity	Cost					
	Th. cwts.	£1000	Th.cwts.	£1000	Th.cwts.	£1000					
	241.8	1,780	238.6	787							
	94.5	838	102.6	366	DC						
	264.0	3,191	251.4	1,278	578.5	1,856(j)					
	295.8	2,111	187.5	704							
	136.5	1,183	-	-	alaino tala						
		913 j		aniasia:	ol eblasjour	o lesion					
	57.3	479	16.9	92	acruio amo or	throntin					
	90.5	905	81.6	347	197.0	600 (K)					
	154.1	1,459	125.7	506		nen keidelti Manado					
	72.9	637		tingo sa_∉to. (d	tojjar bez 1948:	une llen					
	16.6	182			100	800 (-)					
-	170.4	2,174	61.3	439(1)	41.1	269 (m)					
	57.5	291	)	(d) Sectorials	and monitoe r purchased	Becond-1					
	25.9	662	21.5	237	ream boin	(assion)					
5	11.3	125 38	} 7.3	39	33.1	223 (n)					
		375.				Coke					
	30.5	205	44.6	66	tty purcher	Electric					
	16.9	110	21.8	46(0)		(1)					
	19.7	89	-	-	Ponuos mass	. MER					
S	26.9	133	36.0	59		LIJGETTJ WORKS					
1	17.5	108 80	} 31.3	64		(1)					
2	44.2	153	-	-	1						
			A start and			1					

#### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

TABLE 13 (contd.)

					(control)	Ed. SUBAT	
1957 (b) (c) (975 mb)	1948	(a)	1937 (b	)(c)	1935 (b)		
Usage of purchased materials and fuel	Material fuel pur		Usage of p	ourchased	materials and fuel		
	Quantity	Cost	Quantity	Cost	Quantity	Cost	
samueley case chanterey conc		£'000		£'000	Quantity	£1000	
Materials (contd.)	100012	asono us	a Came is	i cicia i	Th. Long X		
Consumable tools bought as replacement		4,256	••	960	(cbhtd.)	(1)	
Timber (excluding timber used for making into cases, etc., or for repairing returnable cases)	Th.cu.ft.	241.8	, copper,	lays ( (ays)	norsoing all shap nickel al and sections	) 22676 195330.	
Hardwood	833.2 Th.stds.	512 87	1 49.0 1 9	strip	ana and a	Plate.	
Softwood	13.5 Th.sq.ft.	1,019 153	••	1,155(p)		(1)	
Plywood	1,810.5	137 25	Tintspen	-7 -00 (F)	199907 19010199	dueo dueo	
Packing materials	Th.cwts.	3,210	J			stand	
Nickel compounds for plating	2.9	22 6				anddog	
Chromium compounds for plating	1.1 Th.galls.	15 .2				ROLLS	
Paint, enamel and varnish	1,452 Th.cwts.	1,541		QUIDE	ane coecia se	20 84. T	
Machinery belting (including conveyor and elevator bands)	14.8	262 514	- interest	Jdepxe	desor i pri l'ons, s	Denin. Dese	
Ball and roller bearings	••	3,079	8	28,124	un ende elumini	22,640(q)	
Nuts, bolts, washers, etc. (d)	•• 687	2,339	iroles	bas at	tis ,cisald ,s	Piate .	
Purchased components, not elsewhere specified	9810 ·· ·	67,773	ions and	7096, 9	dod tubes, bar	oring) oring	
Replacement parts for firms' machinery, other than machined castings	Ben 24	1,627	bésasyb da	001 :09	ueroi dus san	13880-	
Second-hand machinery (d)	10893	1,853	E STERRER F.	odeore	Centra in the Former Centra in	7734	
All other purchased materials	13.3	19,962	2			ied. d	
Unclassified materials	saa ••	4,429	ada	s bus s	ad	iouis -	
Fuel and electricity	Th.tons	ar a ri	Th.tons		Th.tons	and and	
Coal	570.1	1,607	571.1	620	559.4	524	
Coke	372.7 Th.B.T.U.	1,604	343.3 Th.B.T.U.	575	267.4 Th.B.T.U.	381	
Electricity purchased (r)	(kW.hrs.)	30,5	(kW.hrs.)	0150 20	(kW.hrs.)	12020	
From public supply	689,450	3,111	] .		aborneroabb	Callino	
From other sources	13,250	55	380,423	1,128	272,603	841	
Electricity obtained from other { works under the same ownership	2,600	11 3		ala siab	s interesting		
. 31,5 64 (1)	99	d. 51		ddøbze	angin iptiqua ansa-garta	1110 1111	
	1. 186 .1	44.2			i beltter	i longi	

# TABLE 13 (contd.) Fuel and electricity (contd.) Motor spirit (petrol) and derv. fuel Used for road vehicles Used for other power purposes Other oil fuel (including creosote/pitch mixtures) Gas purchased From public supply From other sources Gas obtained from other works under the same ownership All other purchased fuel Total (a) Great Britain only. (b) United Kingdom. (c) Excluding Government (d) So far as recorded set Great Britain only. United Kingdom. Excluding Government establishments. So far as recorded separately. Including alloy steel. Described as "Plates, sheets and strip of iron and steel". Described as "Wrought tubes of iron and steel". Not described as "in the rough" for 1937 and 1935. Not recorded separately. (e) (f) (g) (h) (1) Not recorded separately. Described as "Non-ferrous alloys, in all forms". Described as "Copper, in all forms". (j) (k) (1) Recorded as:-Aluminium a alloys:-Plates, s sections Castings Other des finished Described as "Aluminium, in all forms". Described as "Tin in all forms". Described as excluding finished parts. Described as "Timber, including hardwoods and packing cases". Including fuel not specified separately. The total quantity of electricity generated and consumed in the same works in 1948 was 101,090,000 (m) (n) (0) (p) (q) (r)

DS 42528/1

B.T. Units.

(s) Described as "Heavy fuel oil".

## MECHANICAL ENGINEERING (GENERAL)

	a a sama in	W 2 [1 4 1 1]	1 10 01000	Constant States	e e la faire e angeler	I will be and the second	
191.24	1948 (	a)	1937 (b)	(c)	1935 (b)		
	Materials fuel purc		Usage of	Usage of purchased materials and fue			
	Quantity	Cost	Quantity	Cost	Quantity	Cost	
	Th.galls.	£'000	Th.galls.	£'000	Th.galls.	£'000	
	Quantity				and the second second		
14.							
	4,085	409	)		products	Dens Lain	
	2,248	118	} ••	(1)	5062083 S	(1)	
	16,766	661	11,757	206(s)	7,854	141 (s)	
r	Th.therms 27,596	976	NORK IN	bne zaou	int banking	tis notal	
1	Th.cu.ft. 397,369 Th.therms	66					
{	222	11 18	••	501	10.0.0.0	(1)	
5	106	4 21		60 P3	and sorap (	Alloy . parts	
	Publick · State	209	Server 152	at hands	the second of		
	untres were	211,269	at crisperol	63, 871	d opdatelit	41,264	

	Th.cwts.	£'000
nd aluminium		
heets, bars, , etc.	15.5	95
	36.1	303
criptions, except parts	9.7	41
forms".		

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

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

## Larger establishments in Great Britain

TABLE 14

Const Const Cost Cost		and the second				
Th. calls : : 000 [ Th. salis : : 000 .	00012	At beginnin	g of year	At end of year		
		Quantity	Value	Quantity	Value	
		4.050	£'000	It (petrol)	£'000	
Finished products	Bernie -	880.5	20,109	road valicie	24, 513	
the line the line of			87,402	other power	100,835	
Unclassified	89.000	10,766	7,064	fuel (Individ)	8,339	
Total finished products and work in progress	P0	0077552 AC	114, 575	eroca miniculare sed	<b>133,</b> 686	
	0,	Th. tons	£' 000	Th. tons	£'000	
Materials and fuel	1	1888 20 14		er sources	irom oti	
Alloy steel in all forms, except finished parts and scrap	0	55.3	3,839 {	55.0	<b>4,</b> 084 446	
Iron and non-alloy steel in all forms, except finished parts and scrap		358.1	9,515 2,058	403.0	11, 257 2, 458	
Other descriptions of materials and fuel		2.000	28,951	ritein only. Kingd∙n	34, 536	
Unclassified		2.250 M	6,064	a perorded a	6,774	
Total materials and fuel		trip of iron	50, 427	aotal 9º sa ba tanotoir as ba	59,556	
	a bear and a second second second second		the set of the local data was the set of the			

TABLE 15

operatives			Administrative, technical and clerical employees (b)			Total			
-161 667 7 6927	1948(c)	1937(d)(e)	1935(d)	1948(c)	1937(d)(e)	1935(d)	1948(c)	1937(d)(e)	1935(d)
Males			997.84		Jona LL	e ka Edeala			
Under 18 All ages	19,490 320,444	36,173 249,262	25,210 201,630	instance of the second s	4,453 41,941	2,884 35,978	22, 326 388, 265	40,626 291,203	28,094 237,608
Females		cies .				96° 2			
Under 18 All ages	1,907 37,935	4,747 17,904	3,884 14,792		3,837 15,274	2, 323 12, 707	7, 196 71, 199	8, 584 33, 178	6,207 27,499
Total				•				- lassista	tth.
Under 18 All ages	21, 397 358, 379	40,920 267,166	29,094 216,422	8,125 101,085 (f)	8,290 57,215	5,207 48,685	29,522 459,464 (f)(g)(h)	49,210 324,381	34,301 265,107
We to l	<b>ଛ' ୦୦୦</b>			٤' 000			£'000 -		
Total remuneration	113, 473	••		41,647	Ceanagered	nolecien	155, 120	d hereise	( is)

(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 wo: Other work

- (c) Great Britain only.
- (d) United Kingdom.
- (e) Excluding Government establishments.
- respect of these workers amounted to £3,747,000.
- employing 100 or more persons:-

Transport of goods outside the p

Maintenance and repair of firms' but not plant

Research work not directly conne current production however char

In addition to the employees in the above table the firms in this trade employed 12 male and 47 female outworkers in 1948, the amount paid to them being £6,000. Similar information is not available for 1937 and 1935.

DS 42528/1

DS 42528/1

4/1/72

MECHANICAL ENGINEERING (GENERAL)

#### Employment and remuneration (a)

Larger establishments

orkers	229 males	4, 547	females	
kers	2.387 males	818	females	

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

(f) There were, in addition, 354 working proprietors (340 males and 14 females) in 1948. Working proprietors are included in the 1937 and 1935 figures. (g) The employers' share of contributions to all National Insurance Schemes payable during the year in (h) The following persons (included in this total) were employed on special work by establishments

	Operatives	Administrative, technical and clerical employees
premises	968	
' buildings,	2, 751	
ected with rged	482	773

#### ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

### Wages and salaries paid, 1948 (a)

#### Larger establishments in Great Britain

TABLE 16

	Amount	Amount Establishments making returns for the calendar yes					vear
	paid by all		Per	centage of a	annual remu	neration pa	id in
1 22, 326 40, 626 28, 044	establish- ments	Amount paid	First quarter	Second quarter	Third quarter	Fourth quarter	Year
008,805 8094,0004 008,805	£'000	£' 000	1.830 .87.	28.2 - 28.2 - 4.2 	105, 444, CS	26	207 218 3. 755.55
Wages and salaries of				PAS A	and t		an lanat
Operatives	113, 473	59,246	24.0	24.8	24.1	27.1	100.0
Administrative, technical and							istor Stores
clerical employees	41, 347	22, 511	24.3	24.1	24.5	27.0	100.0
Total	155, 120	81,757	24.0	24.6	24.3	27.1	100.0

(a) Including bonus and commission payments.

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

Larger establishments in Great Britain

The total amount paid for work done on materials given out was £10,466,000.

TABLE 18

Repair and maintenance

Of buildings

Of plant, machinery and vehicles

Unclassified

Hire of plant, machinery and vehicles

Advertising and market research

Advertising in newspapers, magazines and periodi

Other advertising services (poster display, desp and market research

Unclassified

Payments made for research work

To research associations

To universities, institutions, academic bodies a

To other commercial concerns

Postage, telephone, telegrams and cables

Commercial insurance premiums

Rates (excluding water rates) payable in the year

MECHANICAL ENGINEERING (GENERAL)

Payments for certain services, 1948

Larger establishments in Great Britain

	Amount paid
Tuery Vient	1000 £'000
	Vabicina
	1, 518
	2, 488
	1, 214
	415
	TARLE 20
lcals	941
patch of circulars, etc.)	346
	distant a second
	1,145
	ap berantita . Easternet qui
ntadilacoperty nakely occupied	
and similar agencies	21
	1,481
	1,573
	601
Buggard F. Males	1 Benchand

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

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

#### TABLE 19

www.aprod_signal_sis_fight	Acqui	Acquisitions			
	New	Second-hand	Disposals	81	
Plant and machinery	£'000 11,323	£'000 1,813	£'000 1,507		
Vehicles	965	353	222	bitu	
Total	12,288	2,166	1,729		

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

#### Larger establishments in Great Britain

# TABLE 20

	14E	£'000	
1.	Capital expenditure on building work (a)		3,793
2.	Existing buildings and land (b)		
	(1) Capital cost of freeholds bought	397	
	Estimated capital value of		
	(11) Rented property newly occupied in the year (c)	1,757	
	(111) Leasehold buildings and land newly occupied in the year	742	To universities, ins
	Total of heading 2		2,896
	Total of headings 1 and 2		6,689
3.	Existing buildings and land relinquished (d)	rates) payable in t	
	(1) Selling value of freeholds, sold	99	00,000
	(11) Estimated value of other properties relinquished	546	
	Total of heading 3		645
4.	Headings 1 and 2 less heading 3		6,044

(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.

DS 42528/1

MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES 1948 Summary

#### TABLE 21

Gross output (production) Cost of materials and fuel used Payment for work done on materials given out Net output Wages and salaries of persons employed Average number of persons employed (a) Net output per person employed (a) Stocks at end of year Finished products and work in progress Materials and fuel Number of establishments (a) Excluding outworkers. Output of firms in this trade Total value of sales (see Table 23) Adjustment for changes in stocks and work in progress Less payment for transport by other firms Gross output (production) Materials and fuel used by firms in this trade

Purchases (see Table 24)

Adjustment for changes in stocks

Materials and fuel used

DS 42528/1

Larger establishments

		Harry Martin State State State State		
	England	Wales	Scotland	Great Britain
	£'000 401,204	£'000 6,611	£'000 61,136	£'000 468,951
	172,849	3,048	26,242	202,140
	9,351	103	1,012	10,466
	219,004	3,460	33,881	256, 345
	131,883	2,318	20,919	155,120
a la	No.	No.	No.	No.
	387,782	6,904	65,132	459, 818
	£	£	£	£
	565	501	520	557
-	£'000	£'000	£1000	£'000
	1 - 855 (h. e)	4 182 F	- in an in	m) (44)
	111,778	1,218	20,691	133,686
	51,150	1,092	7,314	59,556
	No.	No.	No.	No.
	2,484	50	231	2,765

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

		and the state of the state of the state of		
	England	Wales	Scotland	Great Britain
	۵000 ع	£1000	٤'000	£'000
-	388,865	6,469	58,360	453, 694
	+ 15,647	+ 190	+ 3,274	+ 19,111
	404,512 3,308	6,659 48	61,633 497	472,805 3,854
	401,204	6,611	61,136	468,951
	180,467 - 7,618	3,216 - 168	27,585 - 1,343	211,269 - 9,129
	172,849	3,048	26,242	202,140

Summary

## Small firms

Т	A	B	L	E	2	2

England Wales Scotland	England	Wales	Scotland	Great Britain	
Number of returns	2,795	61	186	3,042	
Average number of persons employed (a)		64,01.0 	t.Si iau Iaut bu	alsiteis	1 2
Males	13,690	287	907	14,884	31
Females	2 <b>,</b> 035	28	100	2, 163	1(13)
Total	15,725	315	1,007	17,047	ane

(a) Including working proprietors.

Sales in the trade										
leotland ana print Print	La	rger e	stabli	shment	S					
TABLE 23						early a phil	2.94 91)	uaga pa i	0.03~(1.1	) . Tal.u
Kind of output	105	Engla	nd and	Wales	Sc	otland	- N. Alta	Gre	at Brit	ain
(1) Complete machines, etc. (11) Replacements parts		Quant	ity	Value	Quanti	ty	Value	Quan	tity	Value
Principal products		No.	Tons	£'000	No.	Tons	٤'000	No.	Tons	a' 000
Agricultural machinery	ina, j				(	). Jases	inte a	ritinto	anlag.	
Ploughs										
Mechanical power	$\begin{cases} (1) \\ (11) \end{cases}$	61, 191 ••	17,719	2, 247 1, 293	1,158	397 ••	49 64	62,349 ••	18,116	2,296 1,357
Animal power	$\begin{pmatrix} (1) \\ (11) \end{pmatrix}$	19,085	1,030	90 (a)	156 ••	23	(a) 2	19,241	1,053	92 116
Hay and grass mowers, other than rotary blade type	${(1) \\ (11)}$	••		(a) (a)	••		(a) (a)	16,852	7,045	910 373
Reapers and binders	$\begin{cases} (1) \\ (11) \end{cases}$			(a) (a)	••	••	(a) { (a)	2,809	2,708 98	377 11 129
22 127	((11)	(a)		(a)		B (1)	(a) {	2,793 4,348	1,187	400 706
Milking machinery	(11)		••	(a)		••	(a)	••	••	329 672
Cultivators or grubbers	{ (1) { (11)	34,190 2,087	6,692	856 109 18 362	1,224 218	282 ••	28 4 6	35,414 2,305	6,974 	884 112 18 368
Disc harrows	(1) (11)			(a) (a)			(a) (a)	21,061	9,661	878 426
Land rollers	{ (1), { (11)	894 707	964	53 27 7	56 41	38	2 2 1	950 748 ••	1,002	55 28 8
Planters and seeders	{ (1) <sup>4</sup> (11)	5,812 838	3,043	407 47 6 83	604 1,072	195 ••	18 37 7	6,416 1,910		425 84 6 90
Other agricultural machinery (except tractors), including threshers	{ (1) { (11)		34,199	4,995 1,659 1,033		3,636	484 184 66		37,835	5,479 1,844 1,100
Unclassified agricultural machinery	{ (1) { (11)		2, 533	260 93 401	}		5-		2,533	260 98 401
Air and gas compressors and exhausters		1285			111		89	anoism	10.24 (3)	Automor
Air compressors and exhausters, other than compressors supplied with paint spraying equipment	( (1)	17,008 3,504		1,572 143	111 85		90	17, 119		233
Reciprocating				24 (a)			109 (a)			133 444

DS 42528/1

DS 42528/1

4/1/78

# MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

Sales in the trade

## TABLE 23 (contd.)

Kind of output		Engl	and and	Wales		Scotland		Great Britain		
<ul><li>(1) Complete machines</li><li>(11) Replacements part</li></ul>	, etc. s	Quan		Value	Quant	tity	Value	Quan	tity	Value
Principal products (contd.)	and the second sec	No.	Tons	£'000	No.	Tons	£'000	No.	Tons	£'000
Air and gas compressors and exhausters (contd.)		OUT AV	100 - 200 		141.95	100 6K Q	iontaok Sag sag	d <b>in</b> ti Di ocu-n Lidedec	10 10 0 mcQ-(1) que (1)	
Air compressors and exhaus other than compressors su with paint spraying equip	pplied	00019	1003					in the	n Estua	Can tómpic Lua topic
Rotary		TRO S.	91°.49	(a) (a)		••	(a) { (a)	7,451 4,012 	799	405 101 100 101
Other and unclassified	{ (1) { (11			(a) (a)	••	••	(a) { (a)	3,437 6,222	3, 142	889 269 856 261
Gas compressors and exhausters	(1) and (11			(a)	(13) ••	••	(a) {	•••	2,231	406 211
Reconditioned air and gas compressors and exhausters (b)	(1) and (11	(67 ••	••	(a)	(11) (11)	••	(a) {	olnders	73	15 25
Air conditioning, heating an plant and appliances (inclu dust, fumes, heated air, st collecting or extracting)	ding waste,	1 iei	S85.5					Teil	ng madi	atte
Ventilators, hoods, cowls, ductwork and the like (b)	pipes,		11,317	1,660 606		1,536	240 101	1011: 10	12,853 ••	1,900 707
Air, water and steam radia (other than for use with			•••	(a) (a)	••	••	(a) { (a)	25,172	884 85 ••	84 20 86 7
Heating plant and applianc not of cast iron, not els specified	es $\left\{ \begin{array}{c} (1)\\ (11) \end{array} \right\}$	)	  82048	(a) (a)	•••	••	(a) { (a) {	••	5,465	464 562 70
Plenum systems, sectional (other than for steam), u heaters, and other descri of air conditioning and u ing plant and appliances of cast iron)	nit ptions entilàt-( (1	The Color Prove The	34.199	(a) (a)		••• ¥44 2016	(a) { (a) {	Dans Lister Lister Lister	19,350	4,247 1,665 353
Unclassified	(1) and (11		188	55 35	-		- 8		188 ••	55 43
Automatic slot machines	{(1) (11	4	41 	34 87 227 32	} - -		-{	818 2,914 	41  	34 87 227 32
Boilers, excluding boilers i or locomotives	for ships						ledxe i a anoar idde gri	0013 000 010000 010000 010000	conpres er than h geint	
Economic types	{ (1 (11	a second second second	4, 295	(a) (a)	11)	••	(a) { (a)	207 73	4,175	589 148 44
Vertical types	{(1) {(11)		•	(a) (a)		••	(a) { (a)	2,621	6,332 18	867 3 89

Kind of output	300	England and	d Wales	Scotlan	.d	Great	in	
<ul><li>(i) Complete machines,</li><li>(ii) Replacement parts</li></ul>	etc.	Quantity	Value	Quantity	Value	Quanti	ty	Value
rincipal products (contd.)	anor 60	to- Toler	٤'000	No. Tons	£'000	No. To	ons	000 ا
Boilers, excluding boilers for or locomotives (contd.)	ships				packeti sty (cons	picking us asonin	inting.	
Other boilers, including wat tube boilers, locomotive ty boilers for stationery purp	pe			bas (1)	ania 261103	6,069 15	,072	1,550
Lancashire type and Comish type boilers, and sectional boilers for steam	{ (1) {(11)		(a) (a)		(a) { (a)	14	952	57 1,723 924
Boiler-house plant	一小楷				. Sultr	sano wee	htspa-	
	( (1)	108	(a)	N 190	(a) {	642 31	271	45 27
Feed-water heaters	(11)		(a)		(a)	Torres in building in the		11
Combustion air heaters (	i) and (11)		(a)	2	(a) {		,772	403 89
Flue cleaning plants .	$\begin{pmatrix} (1) \\ (11) \end{pmatrix}$		(a) (a)		(a) (a)	A CALLY SET NO.		217 5
Boiler firing plant	90					:1 oners	mukra a	
Travelling grate stokers	(1) (11)	••	(a) (a)		(a) { (a)	5	,908 ,912	316 510 425
							,163	241
Underfeed screw type stoke	$\operatorname{ers}  \begin{cases} (1) \\ (11) \end{cases}$	•• **	(a) (a)	beii toeqa	(a) { (a)	131		38 125 91
Other boiler-house plant, no elsewhere specified, includ fuel economisers, steam sup heaters, feed-water injecto and boiler firing plant (of than travelling grate, stok and underfeed screw type stokers)	ling per- prs, cher		(a) (a)	an An English An English	(a) { (a)	Tons 50,48	ar in a	5,766 990 1,068
Boilers (excluding boilers for ships or locomotives) and boi house plant, unclassified	ller-		7 229	ueta rka.	DY-DO	there and	o there	
Reconditioned (b)	(1) and (11)	271 296	(a)	inery Moers ••	(a)		8	36 76
Other	$ \begin{cases} (1) \\ (11) \end{cases} $		822 19	bn		Bare ::	bnoosi des m	822 19
Boot and shoe making and repa. machinery	iring $\begin{cases} (1) \\ (11) \end{cases}$	200	(a) (a)	) bcs (1)	(a) (a)	1,06	33	751 97 770
Bottle washing machinery	$\begin{cases} (1) \\ (11) \end{cases}$	••• ••	(a) (a)		(a) (a)	4,79	94	1, 347 246
Bottling, packing, packeting a labelling machinery	- Cont	and a	24		State Plante	o one m	601-107 6022-0	
Bottling and capping	${(1) \\ (11)}$	••	(a) (a)	Diewayy rope- (1) and	(a) (a)	2,1:		1, 528 298

## MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

#### TABLE 23 (contd.)

### TA

TABLE 23 (contd.)											
Kind of output	England and	Wales	Scotland	1	Great Britain						
<ul><li>(i) Complete machines, etc.</li><li>(ii) Replacement parts</li></ul>	Quantity	Value	Quantity	Value	Quantity	Value					
Principal products (contd.)	Tons	۵00 ا£	Tons	2'00'Z	Tons	£'000					
Bottling, packing, packeting and labelling machinery (contd.)			aqice to) :		sedinotives						
Filling and closing machinery for solids and semi-solids (1) and (11)		(a)	t water type urposet,	(a)	er bollers. De bollers. Miers.for s	145					
Labelling (i) and (ii)		(a)	Isn.	(a)	ane looi long	339					
Packing and wrapping $\begin{cases} (1) \\ (11) \end{cases}$	1., 507	1,749 98		- {	1,507	1,749 98					
Brick, tile and cement block {(1) making machinery {(11)	4,601 	686 172 665	) 119 	11 30	4,720	697 172 695					
Cable making machinery { (1) (1) (1)	{ 1,109  	420 191 63	(1)-and	- 80.8 <b>-</b> 8.9 (	1,109	420 191 64					
Carpet-sweepers, other than electrically-worked vacuum cleaners (1) and (11)	578	311 90	-		578	311 90					
Centrifuges, other than cream separators and drying machines (1) and (11)	(a) (a) 	(a)		(a)	revelling g	1,001					
Chemical and gas making machinery and plant, not elsewhere specified	2,653	600	eriaxod		2,683	609					
Paint, varnish and ink making $\begin{cases} (1) \\ (11) \end{cases}$	1	80	. 30	9 - 3		80 137					
Soap and fatty acid making $\begin{cases} (1) \\ (11) \end{cases}$		(a) (a)	escore).	(a) (a)	1,216	371 21					
Water gas plant $\begin{cases} (1) \\ (11) \end{cases}$		311 53 58	- · · ·	187818131 1971 WELDON -	{ 2,470  	311 53 58					
Other, including by-products plant for use at gas works, oil extraction and refining, and plastic making machinery and plant, and gas producers { (coal and coke) { (1)	• •	5,305 1,897 2,341	(1). and (	686 120 136	43,164	5,991 2,017 2,477					
Reconditioned chemical and gas making machinery and plant (b) (1) and (11	)	57			194 	57					
Unclassified (1 (11		130 218 29		72 13	930	202 218 42					
Civil engineering and contracting machinery and plant	No. Tons		No. Tons		No. Tons	dua .					
Excavators and similar digging machinery (excluding cableway dragline excavators and rope- hauled drag scrapers) (1) and (11	)	(a)		(a)	{ 21,020 	4,191 2,860					
D0 40500 (1											

Kind of output	Engla	and and	Wales	2	Scotland		Great Britain		
<ul><li>(1) Complete machines, etc.</li><li>(11) Replacement parts</li></ul>	Quan	tity	Value	Quant	ity	Value	Quan	tity	Value
Incipal products (contd.)	No.	Tons	£'000	No.	Tons	£'000	No.	Tons	٥٥٥ '٩
Civil engineering and contracting machinery and plant (contd.)	R TERIA B	975 * *		)	Jana	(abara)	) addil o nada	et pro	
Bulldozers, angledozers, rooters, { (1) { graders, scrapers and levellers { (11) {	804 462 ••	2,165	492 424 2 203	}-	-	- {	804 462	2,165	492 424 2 203
Concrete mixing, placing and finishing, etc. machinery (1)			(a) (a)			(a) { (a)	8,670 2,768	8,848 91	1,455 557 10 246 347
Tar, bitumen and asphalt plant, ${(1)}$ with or without mixing gear ${(1)}$		ns 152 •	685 100	1		isaeu icitinery	Ton 5, 1 ••	Service of the Articles	688 100
Other road-making machinery (excluding portable power tools and road and sheeps foot rollers (11)		•	(a) (a)	2) - 64	9 (L)	(a) { (a)	e  	38	95 38 24
Other civil engineering machinery and plant, including loading shovels and dumpers, pile drivers and pile driving plant, mortar mixers and recon- ditioned machinery and plant (1) and (11)	885 61. 81. 81. 81. 81. 81. 81. 81. 81. 81. 8	Cinac A 198	(a)	1) ····································	acal acal Tond SST 26142	(a) {	7,8		1,37 1,07
Unclassified civil engineering $\begin{cases} (1) \\ machinery and plant \end{cases}$		•	54 129		:	7 1		aninor in nagi	6 13
Condensers, other than marine $\begin{cases} (1) \\ (11) \end{cases}$	No.	Tons	(a) (a)	No.	Tons 	(a) < (a)	No. 170	Tons 2,065 2	630 194 6
Drying machinery, not included elsewhere				42) (13) 42) (13)		viante: (z)	in Eile	p reds	
Gas fired {(1) (11)	446	1, 337	239 19	1	-		446	•••	1
Heated by solid or pulverised fuel (1)	295	1,554	24 220 23	} -	- 3+13		295 	1, 552	222
Other, including centrifuges, electrically heated and infra-red driers (1) and (11)		2,464	569 262		20	11 3		2,484	4 58 26
Electric lamp and radio valve making machinery, not elsewhere specified (1) and (11)		•••	245	-		-	(20)		24
Emulsifying machines, not elsewhere { (1) specified { (11)			(a) (a)			(a) (a)		12'	

DS 42528/1

DS 42528/1

```
4/I/83
```

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

TABLE 23 (contd.)

TABLE 23 (contd.)

TABLE 23 (contd.)												
Kind of output	Engl	Land and	Wales	£	Scotland	ataon	Great Britain					
<ul><li>(1) Complete machines, etc.</li><li>(1) Replacement parts</li></ul>	Quar	ntity	Value	Quant	tity	Value	Quantity		Value			
non ton a for and the state of	No.	Tons	£'000	No.	Tons	£'000	NO.	Tons	£'000			
Principal products (contd.)	1, 383 3, 396	3 379	76 38	5 250	8		1,388 3,646	387	77 39			
Fans (other than electric fans), not included elsewhere (11)			- 7 15		60 - -	4 - -	••	60 ••	4 7 15			
Filters	r soe	Tons	i • ( )	To	ons		To	ns				
Filter presses {(1) (11)	{	2,226  	270 185 95	}	-	- {	2,	226	270 185 96			
Other filters (b) (i) and (ii)	(4) 4		(a)		••	(a) {	4,	186	866 432			
Food preparation, processing and sterilising machinery	388 001 1					a langas mixing	en and Lehou b		TET IN			
Bakery and biscuit ovens (1) and (11)	(8)	••	(a)		01'0 1 000 16	(a) {	7,	611 ••	966 396			
Bakery, biscuit and flour confectionery machinery, not elsewhere specified (1)	{	9,360 	3,265 581 538	1,	,040 	422 110 65	10,	400	3,687 692 603			
Cocoa preparation, chocolate and sugar confectionery making {(1) (1)		••	(a) (a)			(a) { (a)	2,	204 	637 239 94			
Canning (including industrial (1) washing, peeling, etc.) {(1) machinery	(4): 	 	(a) (a)	na (13	(1) 	(a) { (a) {	1,	333	342 107 57			
Dairy machinery and plant, not elsewhere specified	881		.011	10		3tie	end pl	idnery.	an An			
Churns for butter making, combined churns and butter workers and cheese presses {(1)	C. C. Contraction of the Contract	115 	38 17 4	}		- {	Tedde	115	38 17 4			
Other dairy machinery $\begin{cases} (1) \\ (11) \end{cases}$	(5)	 	(a) (a)	1)		(a) (a)	.4,	982	1,137 942 185			
Mineral water making machinery {(1) and plant	183 21	101.12 11	(a) (a)			(a) (a)		831 	352 203 197			
Cereal breakfast food making $\begin{cases} (1) \\ (1) \end{cases}$	a second a second	71	18 3 9	}, 19	or <u>Beat</u> n		blige	71 •• ••	18 3 9			
Other machinery for the prepara- tion, processing or sterilising of foods, not elsewhere specified, including brewing and distilling and sugar making and refining machinery and plant (except centrifuges)	183 185 185	1 TYO #	••	1) ba		abrical -ced -ced -ced -ced -ced -ced -ced -ced	huding os, al dinin dinin ge and		ofe De Di Di Di Di Di Di Di Di Di Di Di Di Di			
Complete	{ 1	.4,236	4,267 1,081	12	.,748	1,479 312	26,	,984	5,746 1,393			
Replacement parts	(8)		1,098	1111	190W9819	452	mano an		1,550			
Unclassified		-	-			.516	1.	••	516			
									isaby art			

Kind of output England (i) Complete machines, etc. (11) Replacement parts Quantity Tons Principal products (contd.) Food preparation, processing and sterilising machinery (contd.) Reconditioned food preparation, processing and sterilising 288 machinery (1) and (11) ... Unclassified food preparation, processing and sterilising (1) machinery (11) 220 .. .. Founding and die casting machinery (b) Complete .. Replacement parts .. Unclassified .. No. 536,819 4 Gas meters (1) 164, 479 .. (11) •• Tons Glass-making and glassworking machinery and (1) and (11) 1,199 plant •• 7,'384 ) (1) ] .. Grain machinery and plant (11) •• Gravel crushing, washing and { (1) screening plant { (11) 2,860 .. Hydraulic machinery (1) and (11) .. Insecticide and similar (1) and (11) spraying machinery (b) .. Laundering and dry cleaning machinery, other than for textile finishing Wringers and mangles For domestic use (1) and (11) ..

DS 42528/1

DS 42528/1

Other

(1)

(11)

11

..

4/I/85

and W	ales	Sco	tland			Great	Britain		
y	Value	Quanti	ty	Va	lue	Quant	ity	Value	
-	٤' 000			٤!	000	Ton	s	000ء	
		nary, (cont.d.)	nach fi	is: Ini			anine e nens		
	(a) 16.84.								
033	24 26	}-		82.03	-[	28		24 26	
Tons	49					22		49	
	49 274 9	}		58.	-{	33	water and the second	274 14	
					1				
Thing: (easy)	1.064				1000		iem grift		
	(a)	•••		(	a)	2,44	4. •	403 130	
	(a)	••		(	a)	te borea	•	104	
	(a)	••		(	a)	•	•	668	
Tons 1,759	2,964	No. 65,817	Tons. 527		353	No. 602, 636	Tons 5,286	3, 317	
••	1,011 20	16,366	••		95 9	180,845		1,107 30	
••	1, 208	••	••		27	••		1, 235	
	-(@)  (	Tons		9		Ton	.S		
	<b>31</b> 3 700	26		197	11 14	1, 22	25	324 714	
• 000	1,970	747		190	161	8,13	Sovers/	2, 131	
	199 (a)			(	10 (a)		2,3121400	210 .432	
	294	_	, net	193	(±.)	2,86	0	294	
	212				1	710629	wij / Erg/10 -	213	
	(a)	••		(	(a)	2, 11	•	387 223	
	(a)				(a)	19	92	130 264	
					food	TEMOD CL			
								Vieta	
		[1]				Tazza			
	(a)	112.		· · ·	(a) ]	11,69	93	1,861 395	
	1. 16	3.)			-		11	2	
	2 -	1.			-		i anti	040	
	1								

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

## TABLE 23 (contd.)

## MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

## ADIE 22 (contd.)

TABLE 23 (CONTO.)									TABLE 23	
Kind of output (1) Complete machines, etc.		Englar	nd and	Wales	Scotl	and	Gre	at Brit	ain	Kind (1
(1) Complete machines, etc. (11) Replacement parts	19 II (	Quant	tity	Value	Quantity	Value	Quant	ity	Value	(11
Principal products (contd.)		No.	Tons	£'000	Tons	£' 000	No.	Tons	£'000	Principal Machine
Laundering and dry cleaning machinery, other than for textile finishing (cor				-	-Deficit-	odesäln Py (con			5.10461 545619 57 5	than po
Stands for domestic wringers and mangles sold as such	{(1) {(11)	24,027 7,220 -	124	14 4 -	} -		24,027 7,220 -	124	14 4 -	Routir dovet Lathes
Washing machines, not electrically driven	{(1) {(11)	Tor		(a) (a)	(1) (1) (1) (1)	(a) { (a)			421 102 85	Boring Nailir
Washing machines, electrically driven	{ (1) } (11)	(5)		(a) (a)	••	(a) { (a)	No. 91, 528 833	Tons 4,923	1,725 108 45	Unive
Hydro-extractors	$ \begin{cases} (1) \\ (11) \\ \end{pmatrix} $	(a) (a) (a)	4.2	(a) (a) (a)		(a) { (a) (a)	693 172 ••	1,042   325	312 35 102	Veneel
Dry cleaning washers Steam presses -	$\begin{cases} (1) \\ (11) \end{cases}$	1150 2.90 150 2.90	17 13 5, 7 19 14	(a) (a)	••	(a) (a)	234 •• 2,078 488 ••	1,594	182 20 490 60 15	Other tool: and
Other laundering and dry cleaning machinery, including drying machines and ironing machines	$ \begin{cases} (11) \\ (11) \\ (11) \end{cases} $		Con.s	(a) (a) (a)	••	(a) (a) (a)	  	 2,984 	46 761 338 126	Recond mach Cutting
Reconditioned laundering and dry cleaning machinery (b)	(1){	220		- 35 21		-{		228	35 21	for wo drills
Lawn mowers		POLL .			(4)	Ĺ				Mechani transm
Hand driven (1) and	1 (11)	(6)		(a)	(11)	(a)	bus vien	••	1,507	Metallu
Animal or mechanically driven		68 ····		S	(1)	na zafiu	isw gata			Blast
Petrol motor	$\begin{cases} (1) \\ (11) \end{cases}$			(a) (a)	••	(a) (a)	24,744	2,117	1,017 208	Other
Other	$\begin{cases} (1) \\ (11) \end{cases}$			(a) (a)	••	(a) (a)	3, 488 ••	495	181 65	Gas
Machine tools, wood-working, other than portable power tools					(11) 505	$\begin{pmatrix} t \end{pmatrix} \begin{pmatrix} t \\ 0 \end{pmatrix}$		n galva	ndana 192	110.1 11
Sawing	{(1) (11)	•		(a) (a)	ili terti	(a) { (a)	11,336 585 	4,820	1,069 125 113 140	011
Planing and moulding	{(1) (11)	(b)		(a) (a)	ang (11)	(a) { (a)	4,071 324 	3,296	1,093 111 32 111	Oth in an Mining
Sanding	$\begin{cases} (1) \\ (11) \end{cases}$	•		(a)	(1) (11)	(a) {	1,411 342	631 ••	180 36	power Coal
DS 42528/1	[(11)]	•	•	(a)	••	(a) `	••	t gra	11	DS 42528/1

TABLE 23 (contd.)												
Kind of output (1) Complete machines,	etc.	England and	Wales	Scotla	nd	Gi	reat Britain	1 M				
(11) Replacement parts		Quantity	Value	Quantity	Value	Q	uantity	Value				
Principal products (contd.)	enor o	Tons	٤'000	Tons	٤'000	No.	Tons	٤'000				
Machine tools, Wood-Working, than portable power tools (	other contd.)			9 [dh] GRD] C	nog gæli	exc1nd (*****	s machinery c tools (co					
Routing, recessing, dovetailing and locking	$\begin{cases} (1) \\ (11) \end{cases}$	46191	(a) (a)		(a) { (a)	389 211 ••	326 ••	106 65 13				
Lathes	$\begin{cases} (1) \\ (11) \end{cases}$	•••	(a) (a)		(a) (a)	1,219	256	75 17				
Boring and drilling	$\begin{cases} (1)\\ (11) \end{cases}$		(a) (a)		(a) (a)	 	a La surre a	· 60 7				
Nailing	{ (1) (11)	(B)	(a) (a)	0. 4.15 (1	(a) (a)	97 ••	118 ••	36 9				
Universal (general joiners	') {(1) (11)	No. Tons 603 566 122	125 34 4	} -	- { -	603 122 ••	566 ••	125 34 4				
Veneer and plywood	{(1) (11)	Tons •• ••	(a) (a)	t) and ()	(a) { (a)	464 ••	1,019 14 ••	219 3 19				
Other wood-working machine tools, including mortisin and tenoning machines	g {(1) (11)		(a) (a)		(a) { (a)	3,599 1,350	2,137	624 122 5 96				
Reconditioned wood-working machine tools (b)	{ (1) (11)	···	(a) (a)	••	(a) { (a)	` 67  	5 250 ••	10 42 83 2				
Cutting tools, cutterheads, for wood-working machines, drills and saws and blades	except		184	ne ne 14 on	t bill or any n-t bei	Heepla chaten, hereof	Tons ••	1 84				
Mechanical power transmission plant	(1) and (11) {	5,516	829 3,397	20	8 58	no gr pob	5,536	837 3,456				
Metallurgical furnaces	ata i	and		in the second		(61)						
Blast furnaces	(i) and (ii)	a)	448		1		Stearpto	449				
Other metallúrgicál furnad Gas	ces (1) {(11)		(a) (a)		(a) { (a)	No. 407 240 	Therms/hr capacity 2,285	213 64 408 95				
011	(1)		(a)	(Due )	(a) {	187 257	Tons 392 	33 91 116				
Other descriptions, including electric furn and parts of oil furnad Mining machinery, excluding power tools	ces (11)	(6) (£) (117) •• (117) ••	1,536 491	we-gat  . In .ed	i 22 ibs 22 ibs 201tio	d frig 22 (a) xceed 13 and rec	Tons	1,536 491				
Coal cutters, power operated DS 42528/1	(i) and (ii)	B)	(a)	of, other Marts of 058••	(a)	her par ripton and in	Lasea and .o Lhan empty such s••ols #1	2,728				

## TABLE 23 (contd.)

4/I/88

P

## TABLE 23 (contd.)

ABLE 23 (contd.)			and the second second		23 (contd.)	TABLE		_
Kinduof autput	England and	Wales	Scotlan	ld	Great Brita	in	(1) Complete machines, etc.	E
<ul><li>(1) Complete machines, etc.</li><li>(11) Replacement parts</li></ul>	Quantity	Value	Quantity	Value	Quantity	Value	(ii) Replacement parts	
Principal products (contd.)	Tons	£'000	Tons	£'000	Tons	£'000	Principal products (contd.)	
Mining machinery, excluding portable power tools (contd.)			eno: other iontd.)	working, tools (	ne toole, wood- portable gower	Lapali Lapali	Office machinery (contd.) Addressing machines	
Winding					- to prove the second		Complete	1
Steam $\begin{cases} (1) \\ (11) \end{cases}$	451	56 99	u) - <u>-</u> -	90 <u>–</u> 198	451 ••	56 99	Cases and other parts thereof, other than empty ribbon spools, parts of such spools and inked ribbons	
Conveyors, underground	a)		14) [		7.050	4.47	Coin sorting, counting and (i) and (ii)	
Pneumatic $\begin{cases} (1) \\ (11) \end{cases}$	(2) (3)	(a) (a)		(a) (a)	3,858	443 309	wrapping machines Letter opening, letter sealing, stamp	
Electric (i) and (ii)	8) ****	(a)	1.1	(a)	anti.	6,379	affixing, postage franking, perforating, and cheque writing machines and machines	
Power loaders	1 Decor	- DK			1902 1003 1003 1003 1003 1003 1003 1003 10		for the automatic production of typewritten correspondence, not	
Electric $\begin{cases} (i) \\ (1i) \end{cases}$	38	(a) (a)		(a) (a)	514	188 67	including typewriters	
Hauling engines, stationary					ess bireas		Complete	
Electric (1) and (11)	in ns	(a)		(a)		515		
Other mining machinery, including electric winding machinery, pneumatic power lcaders and pneumatic stationary hauling		2,018	1,541	163 21 155	16,816	2,180 535 1,780	Cases and other parts thereof, other than empty ribbon spools, parts of such spools and inked ribbons	
unclassified mining machinery {(1) (11)	s) -	1,624 1,250 301	·	4		1,254 301	Other office machinery, including punched card machines and {(1) duplicators {(1)	
Office machinery	a)	501	11	-workting	No. Tons	Req	Reconditioned office machinery (other than typewriters)(b) (i) and (ii)	
Accounting, calculating, adding, listing, book-keeping, billing or posting machines, or any combination thereof (not being machines operated in conjunction with punched cards), including typewriters incorporated therein	820 (6) 820 (6) 5516 82		) ((1 5x60. (b) (1) and (1)	(a) Meada, Chines, Diades	ne tools. bulte wood-verking m ho ave ave and nical power emission plant	JJITO Tal Inb Ilogii EstJ	Paint spraying, metal spraying and similar machines, excluding insecticide spraying machines (1) and (11) Plantation machinery (1) and (11) Plastic working and manipulative (1)	
Complete				18 <sup>1</sup> ano	larrit learstal	leren .	machinery, other than presses ((11)	
Electric		(a)	1) bas••1)	(a)	6,698 147	769	Portable power tools	
Other		(a)	••	(a)	19,692 161	. 573	Pneumatic	2
Cases and other parts thereof, other than empty ribbon spools, parts of such spools and inked ribbons	B)	36	-			36	Of the hand held type (including flexible shaft drive tools) as employed in the general engineering, metal-working, (1)	
Cash registers and parts (other than empty ribbon spools, parts of such spools and inked ribbons)		(a)	••	(a) -	{ · · 511	113	wood-working, stone-working and building industries ((11) of the type employed in	
Typewriters					The second strain		civil engineering, mining (i) and (ii)	
Complete				(S)	ther description		and quarrying	
New, exceeding 22 lbs. in weight		(a)	1	(a)	46,665 80		Petrol (1) (11)	
New (not exceeding 22 lbs. in weight), and reconditioned		(a)	e-cable.	(a.)	25,988         19           9,614         .           .         .	. 220		
Cases and other parts thereof, other than empty ribbon spools, parts of such spools and inked ribbons	(e) ····	(a)	(1) bris (1	(a )	Louis ers, power	. 102	DS 42528/1	
DS 42528/1	1							

#### MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

Er

```
4/I/89
```

					.######1 68 316ET						
ngland	and W	ales	Scotlar	ıd	Great	Britair	1				
Quant	ity	Value	Quantity	Value	Quant	ity	Value				
NO.	Tons	£'000	Tons	£'000	NO.	Tons	£'000				
				visitio	es pater	H- 42.0					
						a a ligat					
0,199	322	425	-	-	10,199	322	425				
	993	401	-	-		993	401				
	2	29 26	} -	- {		2	29 26				
			1								
Magal		北山		Heting	n pha p	14450					
17. Tel		1 (10)		1	er 121 or	TS DAR					
			natip		nt S Dion	ofeen.					
4,779	81	175 3	} _	- {	4,779	81	175 3				
••	••	18	þ	l		•••	18				
Tor		$(11)_{\frac{1}{2}}$		r	Ton						
11		24 28	} -	- {		11	24 28				
		(11)	1								
		4,843		noor <u>T</u> aa		••••	4,843 1,091				
		1					050				
••		256	-	-		BIDES	256				
		(a)		(a) {	4	11	186				
	1-	1.17.22.1		l and		in the	1,003				
·		(a)	••	(a)		•••	350 315				
•		(a)		(a) {	1,4		52 29				
	•	(a)	her;; color	(a)	tor hind to a tor a		29				
				asvijon V	or 1000		11 <sup>11</sup>				
			10rocat-	tion, re-	NO.	Tons	-				
		1.1,58	Locald)	mirin	14,935	132	180				
	•	(a)		(a)	13,498		200 378				
1. S	•••	(a)	ine 👀	(a)			195				
.444.		1(1)	1.20	interest		249	478				
9	•	(a)		(a) {	S. Syst.		885				
***	•	(a)	•••	(a) {	2,608 1,617	280	177 136				
	•. 99	(a)	••	(a)	ieq in1	187.81	119				
			· 28 55	188							

#### TABLE 23 (contd.)

Kind of output (1) Complete machines, etc.	89	Engla	nd and W	ales	Scotl	land	Gr	eat Brita:	in
(1) Replacement parts	stie	Quan	tity	Value	Quantity	Value	Quan	tity	Value
rincipal products (contd.)	0001	To	ons	£'000	Tons	£'000	No.	Tons	٤'000
Pottery making machinery						¢¢∉).	ery (co	nicio macinic	
Complete machines		lees .	• • • • • •	(a)		(a) {	nichtne.	1,982	312 273
Replacement parts		1. 1.	•	(a)	10.97	(a)	49470	••	132
Unclassified	10.5		•	(a)	spools	(a)		hiner ti	73
service underground	00	NO.	Tons			hno. cml	incon in	stanos de	
Presses, not included elsewhere	89	1		(1247) GUU		16.)	achtnes	a hardasa	
Tableting and pelleting presses, other than for powder metallurgy	(1) (11)	65 13 ••	72 •• ••	24 6 82 86		- {	65 13 ••	72 •• ••	24 6 82 86
Plastic moulding, other than tableting and pelleting	176	128	14. 790			(pris)		adibulan	
Hydraulic	$ \left\{ \begin{array}{c} (1) \\ (11) \end{array} \right\} $	646 •• ••	2,242 131	654 78 105 109	} -	- {	646 	2,242 131 	654 78 105 109
Other	$ \begin{pmatrix} (1) \\ (11) \end{pmatrix} $	112	398 ••	86 26 16	}	- {	112	398 ••	86 26 16
Other presses, including baling presses	4, 848 1, 981				, , br	s aenido	card pa cors	punched dup[[ca	
Hydraulic	$\begin{cases} (1) \\ (11) \end{cases}$	440	1,927 123 ••	382 18 90			440	1,927 123 ••	382 18 90
T 124 mu machinester of they T	( (1)			(a)	(1) is	(a)	310	723 160	144 27
Other	(11)		••	(a)	(1)	(a)	greater	ar ao is 👬	61 63
Prime movers (other than marine, steam reciprocating winding engines for mining machinery, or engines for aircraft, motor vehicles or locomotives)	( a ) ( a )			1) [1]) (a)	8711 87	anipula na press a	ng and ther th fr d ther tr tools	stic work Minery, Sole og	
Internal combustion, reciprocat- ing	orner				anthritan	Arrest	tert pre	idama 610	
Compression ignition (diesel and dual fuel)	(8)		Н.р	- 30 21 1	88 (8]0 901	ij svint Stenes Dow-fer	shaft in the	Н.р	
Not exceeding 50 h.p. (1) and	1 (11)	••	· .	(a)	gata ••	(a)	king.	The past	7,389
Over 50 h.p. not exceeding 1,500 h.p.	$\begin{cases} (1) \\ (11) \end{cases}$	3,502	444,795	6,256 (a)	(1)	(a)	3,502	444,795	.6,256 1,092
Over 1,500 h.p.	$\begin{cases} (1) \\ (11) \end{cases}$	5	9,120	i OF		- (8 7	5	9,120	136 25
Paraffin, petrol and other spirit	$ \begin{cases} (1) \\ (11) \end{cases} $			(a) (a)		(a) (a)	29,197	118,432	1,104 254
Other, including gas and semi-diesel (1) and	1 (11)			259	_	-			259

TABLE 23 (contd.) Kind of output (1) Complete machines, etc. (11) Replacement parts Principal products (contd.) Prime movers (other than marine, steam reciprocating winding engines for mining machinery, or engines for aircraft, motor vehicles or locomotives) (contd.) Internal combustion, reciprocating (contd.) Unclassified (including reconditioned) reci-procating internal combustion engines  $\begin{cases} (1) \\ (11) \end{cases}$ Steam reciprocating (1) Engines for driving electric generators (11) (1) Engines for driving compressors (11) (1) Other, except pumping engines (11)  $\begin{cases} (1) \\ (11) \end{cases}$ Steam turbines Other and unclassified, in- { (i) cluding water turbines, etc. (ii) Fulp making and paper and board making machinery, including finishing machinery ( (1) (11) Pumps (1) Petrol and oil measuring (11) Pumps, other than petrol and oil measuring and hand pumps (1) Steam reciprocating (11) . (i) Other reciprocating (11) (1) Centrifugal and axial flow (11) (1) Rotary DS 42528/1

4/1/90

### MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

T					1				er y - herch ph.	
England and Wales Quantity Value						Scotlan	1	Contras Laterative	at Brita	in
		Quan	tity		Quar	tity	Value	Quan	tity	Value
			angi)- [	£'000	To	ons	000 ٤	b) at the		000 ع
								(		09
		207.4	384.8	144,764			d guibu	tont .am		
			331	863.(b). • •	(2)		onpeq.s bas (s	and and a		
			**	21 S	(iii)		9 (981°C 6	pubbs an evenues		
			174	381	h					•
				1 402	J. Cat		(a) <sup>8</sup> ac	nua beiroi	a Longoon	1 100
				1,492 342		1-	-			1,492 342
		No. of	H.p.	04S (g).			(a) ba	No. of	Н.р.	
1		sets 193	17,596	156	]		_ {	sets 193	17,596	156
1		8 ••	••	10 102	J	-	_ L		1	10 102
5		83	2,373	28	}		- 5	83	2,373	28
1		6	••	3 16	J		- l	6	••	3 16
		(3)		(a)			(a) {	2.03	12,283	124
			3,225	(a)			(a)	109		186 246
			527,107	1,323		-	ate Lonio	51	527,107	1,323
-		••	••	345			Comula In	••	•••	345
		Ton	.S ••	188		oarts	14	Ton	.S	202
			••	403	(11)	, b (	167	solicitos	other to	570
1		4,6	16	1,069	2,	310	572	6,9	26	1,641
1			••	110 895	(11)	•••	53 190			164 1,085
-		No.	Tons		NO.	Tons	1 sangs f	No.	Tons	
{		18,155	3, 309	1,854	] _	-	- {	18,155	3,309	1,854
4		••	63 ••	15 604	) _	-	Zel.	Litican text	63	15 604
								n control		
								et sevite th		1.50
1		3,025	1,783	485	526	542	169	3,551	2,325	654
		3-	•••	-	4,550	•••	856 62	4,553	is amod	856 62
		()	••	217	••	••	254			471
		9,741 4,177	3,337 84	804 153	14 442	103	26 195	9,755 4,619	3,440	831 348
1			84	20 179	••	120	31 56	•••	204	51 235
j		38,945	9,118	2,772	3,627	1,787	765 ∫	42,572	10,905	3,537
1		14,941		713 129	257		327 ]	15,198	••	1,041
		••	••	1,002	•••	••	215	••	••	1,217
{		7,854 8,371	691	531 199	425	218	126	8,279 10,116	909	657 247
11			. 51	29	1, 140		49		51	29

## TABLE 23 (contd.)

TABLE 23 (contd.)

TABLE 23 (contd.)							CA SPACE	IA	BLE 23 (Conta.)						
Kind of output	England and	Wales	Scotlar	nd	Grea	at Brita	in		Kind of output	England an	d Wales	Scotl	and	Great Bri	tain
<ul><li>(1) Complete machines, etc.</li><li>(11) Replacement parts</li></ul>	Quantity	Value	Quantity	Value	Quan	tity	Value	. 1234	<ul><li>(i) Complete machines, etc.</li><li>(ii) Replacement parts</li></ul>	Quantity	Value	Quantity	Value	Quantity	Value
Principal products (contd.)	No. Tons	£'000	No. Tons	£'000	No.	Tons	£'000	Pr	vincipal products (contd.)	Tons	£'000		£'000	Tons	£'000
Pumps (contd.)			enine, Bi	en nada arbaiw s	(ert) (), (ert) 117.eeert (1	ne nove han ned			Sewing machines not included elsewhere (contd.)				TBA LINE Q		
Other pumps, including hand pumps (other than petrol and oil measuring) and turbine pumps and parts	144,764 6,432 8,259 165	195 58 97	4,687 149 55 14	4	149,451 8,314 ••	179	1,589 200 64 97 420		Parts, other than needles Steel-works and non-ferrous		(a)	n wigth	{	2,749 ••	964 165
of rotary pumps ((11)	186 174 46	40 5	}	28	•• 186 46	•• 174 ••	40 5 5		machinery and plant (excluding iron or steel rolls sold separately), not elsewhere {(1) specified {(1)	1	(a) (a)	0 101 <b>, 81 4</b> 8 948 9 • • 11 8	(a) (a)	12,747	2,567 1,012
Reconditioned pumps (b) ((11)		1					-		Stone crushing and screening	639 S	(0		(4)		0.071
Pumps, unclassified $\begin{cases} (1) \\ (11) \end{cases}$	240	45	}	{}	240 ••	8	14 45 168	19	machinery for quarry products, and stone working machinery, not {(1) elsewhere specified {(1)	••	(a) (a)		(a) { (a)	9,016 •• ••	949 389 843
Refrigerating machinery				BILLY BITOJB	sines dan				Tanning and leather working machinery, other than boot and chose mathing and respiring (1)		(a)	specificaça	(a) {	1,768	418
Automatic power operated refrigerators	- <u>1</u> 3 - 81'8.3	50		suite	nh not a	enfyns -			shoe making and repairing {(1) machinery {(11)		(a)	••	(a)		115 380
Over 10 h.p. and not		(a)		(a) {	45 314	97	81 471		Testing machinery and equipment (e.g., chain testing, cement (1)	1,119	519 312	} _	- {	1,119	519 312
exceeding 50 h.p., complete	(	(4)	1 (u)-1 +	- Salaria	1099.		89		testing, aero-engine testing) (b) ((11)	••	78		- ]	••	78
Over 50 h.p., complete		(a)	•••	(a)	12 49	45	18 479 30		Tobacco and cigarette making $\begin{cases} (1) \\ (11) \end{cases}$	3, 317	2,983 846	800 <b>-</b> 0081 -	8108 78	3,317	2,983 846
Other, including complete		(a)		(a) {		15,686			Water and sanitary appliances, not elsewhere specified (1) and (11)	(a)	(a)		(a) {	7,227	1,466 560
mechanical units and parts Other descriptions (1) and (11)	1 661 200 44 • •	(a)		(a)	••	interes.	1 170	1	Waterworks equipment and plant (1) and (11)	La siste	(a)		(a) 🕹	5, 487	634 309
Unclassified refrigerating $\begin{cases} (1) \\ \end{pmatrix}$		(a)		(a) <		284	146		Weighing machinery, other { (1) than automatic slot machines (11)	••	(a) (a)	tot entre	(a) (a)	 16,293	3,758 241
machinery ((11)		(a)	1.00	(a)	••	redite			than automatic slot machines (11) Well drilling machinery	Those I	(a)		(a)	aratweara babi	₩TI
Refuse and sewage disposal machinery (1) and (11)	Tons	609	-	-	·· ·	- 715			Complete machines	1,918	452 84	} _	- {	1,918	452 84
Rubber works machinery { (1) (11)		(a) (a)		(a) <			56		Replacement parts		195	-	-	(Lote Lalmon	195
Sewing machines. not				ond so bos-s	ther this t				Unclassified		1, 111	1 melal, 14-epera	-	a bear all a	1, 111
included elsewhere					inda - sidu	nang pasa			∫(1)		(a)		(a) {	1,707	426 10
New	1,788 485	8,025	1 Kon 1		Thous.	1.44			Wire making machinery (11)		(a)		(a)	metel.rolitne	57
Complete machines	TTR		l'and	8010	135.8	BEBAD :	7 1,607		Wire working and wire winding machinery, other than cable						001
Industrial	S. 387 602	(a)	120.000	(a)	η	5	5 19		making machinery (1) and (11)	•••	(a)	•• *	(a) {	703 ••	221 98
Domestic	••	(a)		(a)	398.4	11,25	1 3,031		Ball and roller bearings and parts		(a)	••	(a)		16,224
Machine heads for industrial . sewing machines		ns 38 44 136	-	istas	2.0	3	1 176		Bearings (other than ball and roller bearings) and bushes, of all metals (b)		(a)	••	(a) {	823 No. Tons	434 3, 314
Reconditioned	1,002		[ [m)] i	1223	in that				Other and unclassified	1			ſ	3,896 .304	179
Machine heads for industrial sewing machines	1.0	39	-		- 1.(		. 39	•	Burners, sold as such	••	(a)	••	(a) {	3,316 1,095	173
DS 42528/1						-1/22	4.25	D	S 42528/1			.			10.4808

4/1/93

# TABLE 23 (contd.)

4/I/94

- Cathor Manager 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	England an	d Wales	Scotla	and	Great Bi	ritain
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products (contd.)	Tons	£'000	Tons	£'000	Tons	£'000
Chains (steel), transmission					on sonthoen	gninee
Roller type	100 1 3, 434				panoo), ere	
Up to and including 0.625 in. pitch,	100 stop		· 58		and right and	
not exceeding 0.2 in. in width between inner plates	2, 516	810		uori-1-0 ofora) da	2,516	810 .
Up to and including 0.625 in. pitch, exceeding 0.2 in. in width between inner plates	1,665	1, 224		ra 2010 Ciseewhare	1,665	1, 224
Over 0.625 in. pitch	2,928	1,121	-	nines-se	2,928	1,121
Other .		(a)		(a) {	1,474	429 71
Engine parts, not elsewhere specified, sold separately			bns	vorkini Man boot	and leather ervi other athy and r	Tannin Nicolar Shoe. 2
Pistons	3,874	1,902 344	••.	- <	3,874	<b>1,</b> 902 344
-918 - 1914 H. n. elf 201 - 1913	Thous. 341.6	212	ent.		Thous. 341.6	212
Cylinder liners and inserts (b)		253	\$ 0 <sup>-</sup> 8	tite seath	109-0224	253
Gears and gear wheels, sold separately	Tons	1. 1	1		Tons	tobados (
For vehicles		730	-		TTES LINES DI	730
Other than for vehicles	6,906	1,385 1,714	40	7 40	6,946	1, 392 1, 753
Unclassified	{ 1,212	341 516	(1) • and {	119	{ 1,212	341 635
Lubricators and parts (other than for railway wagon, etc. axle boxes), not included elsewhere (b)	Thous.	363		othër t dehin nery	Thous.	363
Oil seals (b)	11,258	851	-	· -	11, 258	851
Pressure gauges, complete and parts (movements, etc.) (b)		(a)		(a)	Tons	910
Pulleys and pulley wheels, of metal, com- plete and parts thereof, sold separately		((a)	•••	(a)	4,373	379 261
Rolls of iron or steel			11			
For metal rolling mills			il)	1	ing machized Thomas	· [
Cast iron and cast steel		(a)	•• #	(a)	36,965	2,292
Other		(a)	(1) and (1)	(a)	189	17
For machinery, other than metal-working	1. 199.	(a)	i parts	nin ann	and roller bea	Seal and
Cast iron	entes   . Pons	(a)	•• •	(a)	3,935	370
Other		(a)		(a)	98	16 16
129 100 100 100 100 100 100 100 100 100 10				the state	te as bifts	anemps

## TABLE 23 (contd.)

TABLE 23 (contd.)	-					
a Wales Scotland Great Britain	England an	d Wales	Scot	land	Great Br	itain
Valne Quantity Value Quantity Value	Quantity	Value	Quantity	Value	Quantity	Value
Principal products (contd.)	Tons	000 ا£	Tons	٤' 000	Tons	£'000
Valves, other than for motor vehicles, and cocks (excluding valves and cocks of brass or other copper alloys), sold separately	22, 485 ••	5,202 438	7,940 ••	1,531 37	30,425 ••	6,733 475
Machinery and parts, not elsewhere specified (c)	8.8 			and allo	akera, olna	
Complete	11,469	3,206 2,895	1,214	197 30	12,683	3,403 2,926
Replacement parts		2,991		86	•••	3,077
Reconditioned machinery and plant, not elsewhere specified, including reconditioned complete sewing machines (b)	•••	(a)	9 of 106	(a)	orage tanks essure yass	1,733
Other engineering products				. 8	ndry yessel	
Arms, ammunition and naval, military and air force stores, not elsewhere specified	18,257	9,270 3,187	309 ••	<b>213</b> 655	18,566	9,483 3,842
Blacksmiths' equipment, not elsewhere specified (portable forges, bellows, hearths, etc.) (b)	BOT	(a)	91075 	(a)	iste worki na riotati e 	83
Canteen and cafe boiler, etc. sets (excluding purely sheet metal catering equipment) and parts (b)	3, 967	1, 295	thereol	etrag.parts	ding boxes	fuon <sub>traka</sub>
Gas	85	87 265	} -	- {	85	87 265
Other and unclassified	140	186 108	} -	- {	140	186 108
Engineers' patterns of wood or metal (b)	•••	838		69	HTOM NOTE	907
Fairground equipment and playground equipment (swings, slides, etc.) (b)		396	work (d) oluding	igineering	rectional s	396
Fire extinguishing apparatus (including sprinklers), other than chemical fire extinguishers (b)		1,210	do 12 eb	(d) call or fle tri ditr resi	covering work tone i salon (incl.	1,210
Garage equipment and plant, not elsewhere specified		(a)	( <b></b> ) ( <b></b> )	(a) {	2,506	589 212
Heavy duty cooking apparatus (not wholly or mainly of cast iron), not elsewhere specified (b)				products 03	l principaj spus	Tota
Gas	1,017	163 116	} -		1,017	163 116
Electric	151	70 193	} • - 9	bion engl	151	70 <sup>-</sup> 193
Steam	277	82 96	} -	- {	277	82 96
Other and unclassified	865	140 104	} -	- {	865	140 · 104
894 1, 580 sectors 2, 414	a.e.	1 45		ns.	r descriptio	ena Othe
				The second		

DS 42528/1

## MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

# TABLE 23 (contd.)

Bodoland Ottal Britain	Wales	England an	d Wales	Scot	land	Great Britain		
uanotes vetue Grantity Value	Value 9	Quantity	Value	Quantity	Value	Quantity	Value	
Principal products (contd.)	.000 48	Tons	۵00 ا£	Tons	£'000	Tons	£'000	
Other engineering products (contd.	)			e loidby a	ton not			
Heavy plate work, not included elsewhere (b)		22, 485		layoll	e reddoo ia	ass dr. other	01 br 901d	
Bunkers, bins and silos			(a)	en ordwog	(a) {	1, 330	105	
Heat exchangers		1,918	253			•• 1,918	31 253	
ase a presure of 108 to there be		1			(1) 5	5,900	445	
Pipes and chimneys		••	(a)	••	(a) {	asenet par	88	
Storage tanks, assembled or no	t		(a)	plane, n	(a)	86,209	<b>4,</b> 798	
Pressure vessels			(a)	ition gai	(a)	7,383	773	
Sundry vessels			(a)	••	(a)	7,577	1,009	
Pressure and sundry vessels, unclassified		195,827	(a)	i, militer o elsewher	(a) {	967	147 50	
Welded or rivetted built up plate work, including buoys		Thomas I				16,389	1,354	
and flotation vessels			(a)	ep, bello	(a) {	••	764	
Metal moulds		709	230 380	51	24 26	760	254 405	
Moulding boxes and parts thereof		3,967	361	netal- parts (b)	ily sheet and and	3,967	361	
Other and unclassified engineeri products, including engines for		88	North In		40		80	
model aircraft, etc., and ships telegraphs	i j ads	04.0	7,357	••	544	1, 212 . 	7,900	
Waste products other than scrap metals	501	4,379	54 33	2,419	10	6,798	64 34	
Installation work other than	988		7.007		1 577	(d) Le Thomas	4,756	
constructional engineering work (			3, 223		1, 533	thent (swith	<b>4</b> ,730	
Repair and jobbing work, including roller covering (d)	2		8,967	bus- stiter titer	1, 328	extinguish Neding pr	10,295	
Other work done for the trade or c commission (including research an				(d) ans	nalugulak	ical fire	0.10	
development work and case- hardening done on commission) (d)			5,358	10ff ,1	305	namquopa aj Minere apac	5,663	
Total principal products			338,985	tie (net	52,041	duty pook	391,026	
Other output		-	121	(d)	pectfled	elsewarpp	non	
Marine machinery and parts	168	1.017	12(8)		(4)	and the star	330 <sup>1</sup>	
Compression ignition (diesel) internal combustion engines and parts	er light	181	101		(a)	8, 61339	210	
Propelling		J. 123	2, 565		103	•••	1, 407	
Auxiliary	98 9		2, 205	••	100 2		1,261	
Boilers			(a)	••	(a)	er and uno	615	
Other descriptions	î .		894	••	1, 520		2, 414	
DC 42528/1		1 Participant	1			1	V8\$384 '80	

Bootland oreat Britelin .	Wales-	England an	a Wales	Scot	land	Great Br	ritain
Quantity Value Quantity Value		Quantity	Value	Quantity	Value	Quantity	Value
Other output (contd.)	000.19		£'000		٤'000	abanura) auga	2' 000
Machine tools, metal-working (other than portable power tools), and part	S		17,580	on o		rentolos and (conto:)	
New			989			topuco)- edel	
Presses			830	••	100	district in	930
Lathes		••	(a)	an in bin	(a)	Lonam•••	589
Other, including welding machiner, and equipment	у		1,752		73	••	1,825
Reconditioned	(2)		(a)	••	(a)	otor • Foles	318
Engineers' small tools			815		60		875
Textile machinery				ilano galt		n descriptiq	
Finishing machinery and parts		••	950	'sol	39	rt perse and	989
Other, including parts			994	x.6.,0.0.0x.6)	59	a eavleratio	1,053
Accessories, sold separately		••	(a)		(a)	••	461
Mechanical handling equipment and par	ts		195			g Dos Freijo	
Conveyors and elevators			Durise's	bas jaes		bu ilsa saib	
Belt			1,395	••	128	••	1,523
Other			1,118		211	••	1, 329
Cranes				0.0 1.0 1.0 V		a Carson to	
Road, wheel or track mounted			527	the seed put	ood ge <b>l</b> og	te po espie	528
Overhead travelling			683		170	aiot.• basa	346
Other				dr.ates1	light pron		507
Winches and capstans			253	192	29	10 . 10	282
Other and unclassified, including reconditioned equipment			1,454		389	Noop	1, 843
Printing, bookbinding, paper-working,				Titluci Dia		N. Manadamarra	
etc. machines and parts			gre spec	All State Are		and the second	
Printing machinery		••	701	••	i		702
Cther		••	724	••	20	••	744
Electrical machinery and apparatus, including parts						1.	
Generators			536		98	••	634
Motors			543	••	217	••	760
Other		••	2,692	re ao dozt	13	nga and pre	2,705
Motor vehicles and cycles, and parts		6.9			19948 0	are noti-that	
Complete						secondary pr	
Tractors			458	i eegher b oq brist ya	idasid Tits	toto econemic	458

DS 42528/1

DS 42528/1

# MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

# ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

TABLE 23 (contd.)

given.

TAS	23	(contd.
IAC	20	Contas

TABLE 23 (contd.)	86.1.8M	England and	i Wales	Scot	land	Great Br	itain
THE PROPERTY OF A STATE		Quantity	Value	Quantity	Value	Quantity	Value
Other output (contd.)	21000		£' 000		£'000	stand) jugi	£'000
Motor vehicles and cycles, and parts (contd.)				s (other) and part	01-WOEKID (81-WOEKID (81-00015)	e coole, me portable po	
Complete (contd.)						1,880	
Industrial trucks			586		6		592
Other commercial motor vehicles			538			1. 2883	538
Parts					nito Levy Bal	bu tonte ditor	
Of motor vehicles, including		**			(0)	Lange agention	2,091
motor cycles			(a)	••	(a)		344
Of cycles			344	-	-1004	LEI. SECON	170
Other descriptions, including trail	Lers		170	-	and the second	CIDE	120
Aircraft parts and accessories			526	-1518	G DIG 2,161	LEOER . SHORE	526
Rail locomotives and parts (except as tyres and wheels)	xles,		967		44	nibujoni yr	1,011
			474	- 20	DETECTO D.	08 .8019688 ••	474
Road rollers and parts		1		and phe di	and inbo	transf lagt	Mechan
Railway carriages, wagons and trucks, including rail motor vehicles, and parts (except axles, tyres and whee		5	841	-	arotava	eyors and e	841
Colliery tubs, trams and trucks, and	parts		300	-			300
Non-mechanically propelled vehicles (except cycles) and parts			311		36	•• 38	347
Electric portable power tools and pa	rts		396		208	10 100 • ( <sub>10</sub> p)	604
Other hand tools and implements			944		113		1,057
Hollow-ware of wrought iron or steel		••	700		41	19	741
Manufactures of brass or other alloy of copper, not elsewhere specified			8.99	-	SHEE		AND
Valves and cocks			1,406	···	152	a bencir ipa	1, 558
Other			751	gala.	34	nicket at	785
Scientific instruments, apparatus an	nd	in the second second		and Branch	45		621
appliances			576	••	(a)		451
Springs		••	(a)	•••	(a)		
Castings				E au B TE	0.00	tot parts	4,560
Iron			4, 227	* ••	333	e1038	734
Steel			(a)		(a)	••	428
Stampings and pressings of iron or a	steel		358		70		1 (5.97)
Fabricated iron and steel			2, 166	arneg ba	32	bis aeistije	2, 198
Jigs and fixtures			332		14		346
Cast iron stoves, grates and ranges domestic cooking and heating, and and fittings therefor	for parts		1,486	3	5	••	1, 491
						-	ENTRY BURN

DS 42528/1

## MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

4/I/99	
--------	--

	England an	d Wales	Scot	land	Great Br	itain
-2.2A0#1	01700300	100.00				
thit to lowers!	Quantity	Value	Quantity	Value	Quantity	Value
ther output (contd.)	and the second second	£'000		£'000	and the second	£'000
Other goods		7,586		705	••	8,291
Scrap metals sold	Codeco	· Contina	p ( - Carl		1000	
Iron and steel	inania	629		134	••	763
Brass	••	756	••	51	ura	807
Other	••	359		29	10000.000	388
Constructional engineering carried out in Great Britain	C98 .S	253,3			wat s	1
Work done as main contractors					eost bis sti	
On factories and workshops (including electric power stations, gas works,	16888/ <u>3</u> 8	8840			Alloy sceel	
petrol filling stations, repair garages, etc.)	1 100.0	A.281			iren and no	1,437
On gas mains and works		6,679	and the second	782		1,972
Other					in .enolitose	4,052
Work done as sub-contractors	8,883	481		13	te gollé-nor	494
Total constructional engineering work	242.00 240	7,160		795	s jeur reas and s	7,955
	TAPAt	1,100		COLLEGION OF	069 78745 10	7,000
Less total value of goods made or fabricated in firms' own works and used in the work	1000	4,260		467	they long	4,727
Total constructional engineering	IN A A	8.92		1012 10 (45% 1	the little by lines	
work, exclusive of goods made and used by firms		2,898		329	te bro close	3, 227
Repair and maintenance work on motor vehicles	310.0	780			19950 6411	780
Other work done		507		1	ritolit beis de t	508
Total		395, 334		58,360		453,694

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

given.
(b) So far as recorded separately.
(c) Including battery and cell-making machinery, not elsewhere specified; cement making, cloth cutting, and dishwashing machinery; counting and measuring mechanisms; degreasing plant; lighting appliances, not elsewhere specified; pneumatic appliances not included elsewhere; pulverising plant for coal; sterilising equipment, industrial, other than for the sterilisation of food; piston rings, packing rings, etc.; and mechanical remote controls.
(d) Amount charged.

Quantity Th. tons

> 6.9 6.7

> 3.5

13.8

.. 17.3

7.6

..

1.0

•• 6.3 ••

39.8

25.1 ... 168.9 12.3

...

1.3

. ... 2.0 . . .

## Purchased materials and fuel

Larger establishments

## TABLE 24

TABLE 24	00010				Heistnoot dix		
1000	Englan Wale		Scotl	and	Great E	Britain	coort https://dr. 00012
in interiori dati	Quantity	Cost	Quantity	Cost	Quantity	Cost	TRACT, LINER, LAN,
Materials	Th.tons	£1000	Th.tons	£1000	Th.tons	£1000	Materials (contd.)
Iron and steel	359		529	E. E.		19613.Ö	Iron and steel (contd.)
Pig iron	253.3	2,690	60.0	627	313.3	3,317	Forgings in the rough
Bars and rods				(a) enosorisado	กระสะ เชื่อ ครั้ง	E.C.A.	Alloy steel
Alloy steel	56.0	3,369	3.6	260	59.6	3,629	Drop
Iron and non-alloy steel	183.4	5,001	26.4	695	209.8	5,696	Other Unclassified
Angles, shapes and sections, of iron and non-alloy steel	112.6	2,383	16.1	327	128.7	2,710	Iron and non-alloy steel
Bars, rods, angles, shapes and sections, of iron and non-alloy	7,160 11		eering	tiñal engle	icijskop (s) orijskop		Drop
steel, unclassified	43.6	1,063	2.2	63	45.8	1,126	Other
Girders, beams, joists and pillars, of iron	4, 260		S11	i fa the wor at		835	Unclassified
and non-alloy steel	32.6	683	7.1	152	39.7	000	Blooms, billets and slabs, of iron and
Sheets and strip, of alloy steel	26.0	1,874	0.9	84	26.9	1,958	non-alloy steel
Iron and non-alloy steel	980 980 807		700.	40	adob at	ne reato	Wire of iron and non- alloy steel
Plates and sheets	305, 834			1	-Its		Cables and rope
Tinned	8.4	463	0.7	46	9.1	509	Other
Other	335.4	7,707	74.9	1,642	410.3	9,349	Other descriptions,
Hoop and strip (including tape)	20.7	857	4.3	153	25.0	1,010	except finished parts Alloy steel
Plates, sheets, hoop and strip	and the second	2854	a 195	235			Iron and non-alloy steel
(including tape), unclassified	55.0	1,341	4.0	97	59.0	1,438	Scrap
Tubes and fittings	{ 52.1 ··	3,172 497	13.9	847 54	66.0	4,019 551	Machined castings
Castings in the rough	213.9	11,716	31.0	1,806	244.9	13,522	Chains
Iron Alloy steel	15.0	1,822	0.7	132	15.7	1,954	Transmission
Non-alloy steel	44.8	3,781	9.5	841	54.3	4,622	Other
DC 49598/1					1		DS 42528/1

DS 42528/1

```
4/I/101
```

. Contraction		and the second states					
	nd and les	Scot	land	Great Britain			
tity	Cost	Quantity	Cost	Quantity	Cost		
ons	£'000	Th. tons	£'000	Th. tons	£'000		
		14. C		a publicationada			
in alte		Th. cwba.		te anthuidat			
	31728				VOLLE		
6.9	764	0.2	24	7.1	788		
3.7	701	0.7	79	7.4	780		
3.5	316	0.7	65	4.2	381		
	in 146	1.6.02		sa betalas	slonu s		
3.8	1,164	2.1	181	15.9	1,345		
••	342	11 2:00	1	ene tase • bra	343		
7.3	1,361	3.1	218	20.4	1,579		
7.6	624	2.1	125	9.7	749		
	(-)		(a)	51.0	1,086		
	(a)	· · · ·	(a)	51.0	1,000		
		Salls.	11 11 11	a Taldi bas	10753		
1.0	110 49	0.1	19 3	1.1	129 52		
6.3	287	0.7	44	7.0	331		
s <b></b>	34	1.00	3	dertription spectripte	37		
					dr .		
9.8	1,968	0.4	90	40.2	2,058		
5.1	499 158	0.6	19 8	25.7	518 166		
8.9	870	27.6	146	196.5	1,016		
2.3	1,376 287	1.0	146 53	13.3	1,522 340		
1.3	410	0.2	51	1.5	461 277		
2.0	262 235	0.3	15 51	2.3	286		
	99	••	7	•• .	106		

## ENGINEERING, SHIPBUILDING AND ELECIRICAL GOODS COUNTRY TABLES

TABLE 24 (contd.)

	1				
TΔ	BLE	24	(cor	itd.	

	Deele	- d and					
	Englai Wal	nd and Les	Scotl	and	Great E	Britain	· · · · · · · · · · · · · · · · · · ·
	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Materials (contd.)	Th. tons	£1000	Th. tons	£1000	Th. tons	£1000	Materials (cont
Iron and steel (contd.)		10 10 10 10 10 10 10 10 10 10 10 10 10 1				and the second se	Ingots, blo
Fabricated bridge and	Constitution of	Godžeji	Quant Insu Q	1205			slabs and
structural steelwork	Co.800340	1,221	The poments	171	(.tuno)	1,392	Other descr finished r
Tyres, wheels and axles	2.4	219 372	0.4	31 18	2.8	250 390	Unclassifie
Brass (including all alloys of copper, other than nickel alloys)	Th.cwts.		Th.cwts.	an india	Th.cwts.	9109 a.	Consumable to replacement
Ruds and sections	218.6	1,613	23.2	- 167	241.8	1,780	Timber (exclu for making i
Plates, sheets and strip	80.8	715	. 13.7	123	94.5	838	or for repair cases)
Castings	230.5	2,773	33.5	418	264.0	3,191	Hardwood
Other descriptions, except finished parts	256.2	1,838	39.6	273	295.8	2,111	en gange da
Unclassified	130.9	1,118	5.6	65	136.5	1,183	Softwood
Copper	1.5	181.1	8.81		100		118
Rods and sections	56.1	468	1.2	11	57.3	479	Plywood
Plates, sheets and strip	75.1	763	15.4	142	90.5	905	Packing mater
Other descriptions, except finished parts	130.6	1,213	23.5	246	154.1	1,459	Nickel compou
Aluminium and aluminium	02.0	686	1. 2.4.4	ba	s, partieus s, of fron	sis :	Ba In Taip
alloys Plates, sheets, strip	4.4 ····	(S)	State State		alloy steel	aou Aou	Chromium comp
and circles	67.5	589	5.4	48	72.9	637	Dodat insert
Extruded tubes, bars, sections and wire	15.9	176	3.7	6	16.6	182	Paint, enamel
Castings and forgings, rough dressed	.159.1	2,024	11.3	150	170.4	2,174	Machinery bel conveyor and
Other descriptions, except finished parts	54.1	274	3.4	17	57.5	291	Ball and rolle Nuts, bolts, w
Tin				ed the	benatnii 3q	1526	Purchased comp elsewhere spe
Blocks, ingots, bars and	07-0	590	2.8	72	25.9	662	Replacement pa
slabs	23.2	104	1.3	21	11.3	125	machined cast
Other descriptions, except finished parts	10.0	38			•••	38	Second-hand ma
Lead and alloys of lead	3.75	870	168.9			Sora	All other pure
Pigs, ingots, blocks, bars, slabs and cakes	27.4	188	3.1	17	30.5	205	Unclassified r
Other descriptions	12.7	.80	4.2	30	16.9	110	
Unclassified	19.5	88	0.2	1	19.7	89	the second states
	8400		02855	E-12 -	EAST.	180.	
app: App-astrop a too f		ide .	2.4		10		DS 42528/1
	1 and the second	1.	in the second			States to get	and the second second

DS 42528/1

QuantityCostQuantityCostQuantityCostQuantityCostMaterials (contd.)Th cwts. $\pounds^{1000}$ Th cwts. $\pounds^{1000}$ Th cwts. $\pounds^{1000}$ Zine and alloys of zineIncents, block, bars, slabs and cakes20.7105 $6.2$ 28 $28.9$ 135Other descriptions, except16.6103 $0.9$ 5 $17.5$ $166$ Inclassified44.1155 $0.1$ - $44.2$ 153Consumable tools bought as replacement $3.793$ $463$ $4.256$ Inber (excluding timber used for making into cases, etc., or for repairing returnable casesTh.cu.ft. $225.0$ $149$ Th.cu.ft. $225.0$ $352.2$ Doftwood $11.6$ $274$ $1.6$ $145$ $13.5$ $1.019$ Plywood $11.6$ $275$ $125$ $Th.sds.$ $Th.sds.$ $153$ Flywood $12.6$ $12.5$ $17.3$ $22$ $3.210$ $71.83.6$ $1.25$ Nickel compounds for plating $0.7$ $102$ $0.4$ $5$ $1.1$ $15$ Nickel compounds for plating $0.7$ $120$ $24.64$ $3.65$ $1.1$ $15$ Self $15.4$ $15.4$ $15.4$ $14.5$ $14.6$ $14.6$ $14.6$ $14.6$ Self $0.7$ $102$ $0.4$ $5$ $1.1$ $15$ $25.2$ Nickel compounds for plating $0.7$ $12.6$ $1.256$ $25.1$ $1.6$ $25.2$ </th <th>11.61.221</th> <th>Engla Wa</th> <th>and and ales</th> <th>Sc</th> <th>otland</th> <th>Great</th> <th colspan="3">Great Britain</th>	11.61.221	Engla Wa	and and ales	Sc	otland	Great	Great Britain		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	· missing Great Britain	Quantity	Cost	Quantity	Cost	Quantity	Cost		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Materials (contd.)	Th.cwts.	£1000	Th.cwts.	£'000	Th. cwts.	£'000		
slabs and cakes20.71056.22826.9133Other descriptions, except16.61030.9517.5108Inclassified44.11530.1-44.2153Onsumable tools bought as replacement5,7934654,256There (scaluding timber used is repuiring returnable (case)5,7934654,256There (scaluding timber used (case)5,7934654,256There (scaluding timber used (case)Th.cu.ft5,7934654,256DotwoodTh.cu.ft512512DotwoodTh.stds.Th.stds.Th.stds.Th.stds.Th.stds<	Zinc and alloys of zinc	Const Long	d? AV OO		t set	in 15 a fee	Lais had start		
Char descriptions, except Hinked parts10.6 $\cdot$ 103 $800$ 0.8517.5 $\cdot$ 108 $800$ Unclassified44.11530.1-44.2153Consumble tools bught as replacement.3,793.463.4,256Timber (scluding timber used for making into cases, etc., or for repairing returnable cases)Th.cu.ft.363.463.4,256SolutionTh.cu.ft. $005.2$ 363Th.cu.ft.116.512512Dardwood11.65761.914513.51,019Th. stds.Th. stds.Th. stds.Th. stds.Th. stds.116Dordwood11.65761.914513.51,019Plywood11.692.922317.6121610.5137Plywood11.692.922.572.3,210Nickel compounds for plating0.710 20.4511.115Paint, onamel and varnishTh. galls. 1,1961,290Th. galls. 266251Th. galls. 14.4514.514.5Ball and roller bearings2,6643653,079Nuts, bolts, washers, etc. (b)2,6643653,079Nuts, bolts, washers, etc. (b)1,6872401,627Second-hand aschinery (b)1,687240 <td>Ingots, blocks, bars, slabs and cakes</td> <td>20.7</td> <td>105</td> <td>6.2</td> <td>28</td> <td>26.9</td> <td>153</td>	Ingots, blocks, bars, slabs and cakes	20.7	105	6.2	28	26.9	153		
Unclassified       44.1       153       0.1       -       44.2       153         Consumable tools bought as replacement        3,793        463        4,256         Tinber (excluding timber used for making into cases, etc., or for repairing returnable cases)       Th.cu.ft.       365       228.0       149       Th.cu.ft.       537         Bardwood $\begin{cases} 11.6 \\ 05.2 \\ \\ 0.1 \\ 005.2 \\ \\ 76 \\ 0.4 \\ 0.5 \\ \\ 138 \\ \\ 14 \\ \\ 14 \\ \\ 14 \\ \\ 14 \\ \\ 153 \\ \\ 14 \\ \\ 153 \\ \\ 14 \\ \\ 153 \\ \\ 14 \\ \\ 153 \\ \\ 14 \\ \\ 153 \\ \\ 153 \\ \\ 14 \\ \\ 153 \\ \\ 14 \\ \\ 153 \\ \\ 14 \\ \\ 153 \\ \\ 14 \\ \\ 153 \\ \\ 153 \\ \\ 14 \\ \\ 153 \\ \\ 153 \\ \\ 151 \\ \\ 153 \\ \\ 153 \\ \\ 151 \\ \\ 153 \\ \\ 151 \\ \\ 153 \\ \\ 151 \\ \\ 153 \\ \\ 153 \\ \\ 151 \\ \\ 153 $	Other descriptions, except {     finished parts     {			0.9	5 ~	17.5	108		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Unclassified	44.1	153	0.1	Les Xues	4			
Timber (excluding timber used for making into cases, etc., or for repairing returnable cases)       Th.cu.ft. 605.2 $362$ Th.cu.ft. 225.0 $149$ Th.ou.ft. $835.2$ $512$ Hardwood $11.6$ $674$ $1.9$ $145$ $11.6$ $835.2$ $677$ Th. stds.       Th. stds.       Th. stds.       Th. stds.       Th. stds.       Th. stds.         Plywood $\left\{ \begin{array}{c} 11.6 \\ 11.6 \\ 1282.9 \\ 225 $			3,793		463	purchased (1	13105230913		
Hardwood $\begin{cases} 1005.2 \\ \\ 76 \\ \\ 76 \\ \\ 76 \\ \\ 76 \\ \\ 76 \\ \\ 76 \\ \\ 76 \\ \\ 76 \\ \\ 76 \\ \\ 76 \\ \\ 225 \\ \\ 111 \\ \\ $	for making into cases, etc., or for repairing returnable		1277		1.40	. somos.	Tres other		
Doftwood $             \begin{cases}             11.6 & 274 & 1.9 & 145 & 13.6 & 1,019 & 153 \\             128 & 1.9 & 145 & 13.6 & 1,019 & 153 \\             14 & & 153 & 1.019 & 153 & 153 & 1,019 & 153 & 153 & 1,019 & 153 & 153 & 1,019 & 153 & 153 & 1,019 & 153 & 153 & 1,019 & 153 $		605.2		228.0		833.2			
School138138141001,013Plywood $\begin{cases} Th. sq. ft. \\ 1,692.9 \\ 23 \\ 23 \\ 23 \\ 23 \\ 23 \\ 23 \\ 23 \\ 2$	2008 mb. galls. St perce	Th. stds.	AT	Th. stds.	art. dia	Th. stds.	Louis Print -		
Plywood1,692.9125117.61211.50.15137Packing materials $\cdot$ 2,638 $\cdot$ 572 $\cdot$ 3,210Nickel compounds for plating $\begin{bmatrix} 1.692.9\\\\ 2.9 \\\\ 6 \\ 1.1 \\\\ 6 \\ 1.1 \\\\ 6 \\ 1.1 \\\\ 6 \\ 1.1 \\ 1.1 \\ 2 \\ 1.1 \\\\ 6 \\ 1.1 $	Softwood	A STATE AND A STATE AND A STATE	a state to be a set of the set of		A CONTRACT OF A				
Nickel compounds for platingTh. cwts. $2.9$ $22$ $6$ Th. cwts. $-$ Th. cwts. $ 2.9$ $2.9$ $22$ $6$ Chromium compounds for plating $0.7$ $1.1$ $10$ $2$ $0.4$ $5$ $1.1$ $1.1$ $15$ $2$ Paint, onamel and varnishTh. galls. $1,196$ $1,290$ Th. galls. $256$ $251$ Th. galls. $1.452$ $1,541$ Paint, onamel and varnishTh. galls. $1,196$ $1,290$ Th. galls. $256$ $251$ Th. galls. $1.452$ $1,541$ Machinery belting (including conveyor and elevator bands)Th. cwts. $13.4$ Th. cwts. $469$ Th. cwts. $1.4$ $16$ $1.4$ Th. cwts. $14.8$ $262$ $251$ Ball and roller bearings $$ $2,694$ $$ $385$ $$ $3355$ $3,079$ Nuts, bolts, washers, etc. (b) $$ $2,004$ $$ $335$ $$ $2,339$ Purchased components, not 		1,692.9		117.6		1,810.5			
Nickel compounds for plating $2.9$ $\therefore$ $22$ $6$ $-$ $ -$ $ -$ 	Packing materials	••	2,638	••	572		3,210		
Paint, enamel and varnishTh. galls. 1,196Th. galls. 1,290Th. galls. 256Z51Th. galls. 1,452Th. galls. 1,452Machinery belting (including conveyor and elevator.bands)Th. cwts. 13.4Th. cwts. 469Th. cwts. 1.4Th. cwts. 45Th. cwts. 14.8Z62 251Ball and roller bearingsZ,694385Z62 14.8Nuts, bolts, washers, etc. (b)Z,004335Z,339Purchased components, not elsewhere specified59,7897,98467,773Replacement parts for firms' machined castings1,3872401,627Second-hand machinery (b)(a)(a)1,853	Nickel compounds for plating	2.9		Th. cwts.		2.9			
Paint, enamel and varnishTh. galls. 1,1961,290Th. galls. 256251Th. galls. 1,4521,541Machinery belting (including conveyor and elevator bands)Th. cwts. 13.4246Th. cwts. 1.4Th. cwts. 1.4Th. cwts. 14.8262Ball and roller bearings2,6943853,079Nuts, bolts, washers, etc. (b)2,0043352,339Purchased components, not elsewhere specified59,7897,98467,773Replacement parts for firms' machinery, other than machined castings1,3872401,627Second-hand machinery (b)(a)(a)1,8531,853	Chromium compounds for plating		the second s	0.4	5 {	a set of the set of the set of the set of the	and the second of the second		
Machinery belting (including conveyor and elevator bands)13.42461.41614.8262Ball and roller bearings2,6943853,079Nuts, bolts, washers, etc. (b)2,0043352,339Purchased components, not elsewhere specified59,7897,98467,773Replacement parts for firms! machined castings1,3872401,627Second-hand machinery (b)(a)(a)1,853	Paint, enamel and varnish		1,290				1,541		
Nuts, bolts, washers, etc. (b)2,0043352,339Purchased components, not elsewhere specified59,7897,98467,773Replacement parts for firms' machined castings1,3872401,627Second-hand machinery (b)(a)(a)1,853	Machinery belting (including conveyor and elevator bands)	13.4		1.4	A CALL STATE AND A CALL STATE AND A CALL STATE	14.8			
Purchased components, not elsewhere specified59,7897,98467,773Replacement parts for firms! machined castings1,3872401,627Second-hand machinery (b)(a)(a)1,853	Ball and roller bearings	: 27.	2,694	. 185, 0	385		3,079		
elsewhere specified59,7897,98487,773Replacement parts for firms! machined castings1,3872401,627Second-hand machinery (b)(a)(a)1,853	Nuts, bolts, washers, etc. (b)	daubt al brit	2,004	information	335	the risk of	2,339		
machinery, other than machined castings1,3872401,627Second-hand machinery (b)(a)(a)	Purchased components, not elsewhere specified		59,789		7,984	* , peerrded - se	67,773		
Second-hand machinery (b) (a) (a) 1,853	machinery, other than	n the same v of information of information	1,387	enterated an o the risk t d and Wales	240	quintity of 090 Batagunt	1,627		
	Second-hand machinery (b)	••							
•• 0,/4/	All other purchased materials		16,215		3,747	161 000 0. 1939	19,962		
Unclassified materials 4,163 266 4,429	Unclassified materials	••				. Cale Day of	a standy and		

# MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

#### TABLE 24 (contd.)

TABLE 24 (Concury	and the second second	Contractions - Provident		The second		the second second
at Quentity Cost		nd and les	Scot	land	Great Br	itain
000	Quantity	Cost	Quantity	Cost	Quantity	Cost
Fuel and electricity	Th. tons	£1000	Th. tons	£1000	Th. tons	000 ع
Coal	432.9	1,239	137.2	368	570.1	1,607
Coke	328.6	1,415	44.1	189	372.7	1,604
Electricity purchased (c)	Th.B.T.U. (kW.hrs.)		Th.B.T.U. (kW.hrs.)	81 F	Th.B.T.U. (kW.hrs.)	Tepe-Cill
From public supply	595,823	2,723	93, 627	388	689,450	3,111
From other sources .		(a)		(a)	13,250	55
Electricity obtained from other works under the same ownership	·	(a)	18.1	(a) {	2,600	11 3
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.	III 273	Th. galls.	
Used for road vehicles	3,794	379	291	30	4,085	409
Used for other power purposes	2,220	116	28	2	2,248	118
Other oil fuel (including creosote/pitch mixtures)	15,033	596	1,733	65	16,766	661
Gas purchased From public supply	Th.therms 25,981 Th.cu.ft. 240,794	920 45	Th.therms 1,615 Th.cu.ft. 156,575	56 21	Th.therms 27,596 Th.cu.ft. 397,369	976 66
From other sources	Th.therms 222	11 18	Th.therms	- {	Th.therms 222 ••	11 18
Gas obtained from other works under the same ownership	103	4 21	3		106	4 21
All other purchased fuel	to	177	1	32	ad rodawila b	209
Total	38	183,684	1.S	27,585	Ler Dearings	211,269

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

(b) So far as recorded separately.

(c) The total quantity of electricity generated and consumed in the same works in Great Britain was 101,090,000 B.T. units. Owing to the risk of disclosure of information relating to individual firms separate figures for England and Wales and for Scotland cannot be given.

T	ABLE 25			Laryer	estabrist	iments				
	all and a second se	England and Wales			Scotland			Great Britain		
		Average number of operatives		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
M	lales					1.26		2.8		
	Under 18	16,546	2,418	18,964	2,944	418	3,362	19,490	2,836	22, 326
	All ages	274,557	58,589	333,146	45,887	9,232	55,119	320,444	67,821	388,265
F	emales			-	Arrive (1.)		a de			
	Under 18	1,546	4,633	6,179	361	656	1,017	1,907	5,289	7,196
	All ages	32,263	28,969	61,232	5,672	4,295	9,967	37,935	33, 264	71, 199
T	otal									
	Under 18	18,092	7,051	25,143	3,305	1,074	4,379	21, 397	8,125	29,522
	All ages	306,820	87,558 (b)	394,378 (b)(c)	51,559	13,527 (b)	65,086 (b)(c)	358,379	101,085 (b)	459,464 (b)(c)
т	otal	£'000	£'000	٤'000	£1000	£'000	£'000	000 ع	٤'000	£'000
	remuneration	97,755	36,446	134,201	15,718	5,201	20,919	113,473	41,647	155, 120

Number at September 25, 1948. There were, in addition, 354 working proprietors (340 males and 14 females) in Great Britain; 295 males and 13 females in England and Wales, and 45 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 £3,747,000; £3,224,000 for England and Wales (a) (b) (c)

and £523,000 for Scotland.

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

	Average num	Total amount paid to			
	Males	Females	Total	outworkers	
				£1000	
 England and Wales	12	47	59	6 ·	
Scotland	-	-	-	-	
Great Britain	12	47	59	6	

DS 42528/1

4/I/104

## MECHANICAL ENGINEERING (GENERAL) COUNTRY TABLES

Employment and remuneration

Larger establishments

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

Monthly index of employment of operatives: Larger establishments

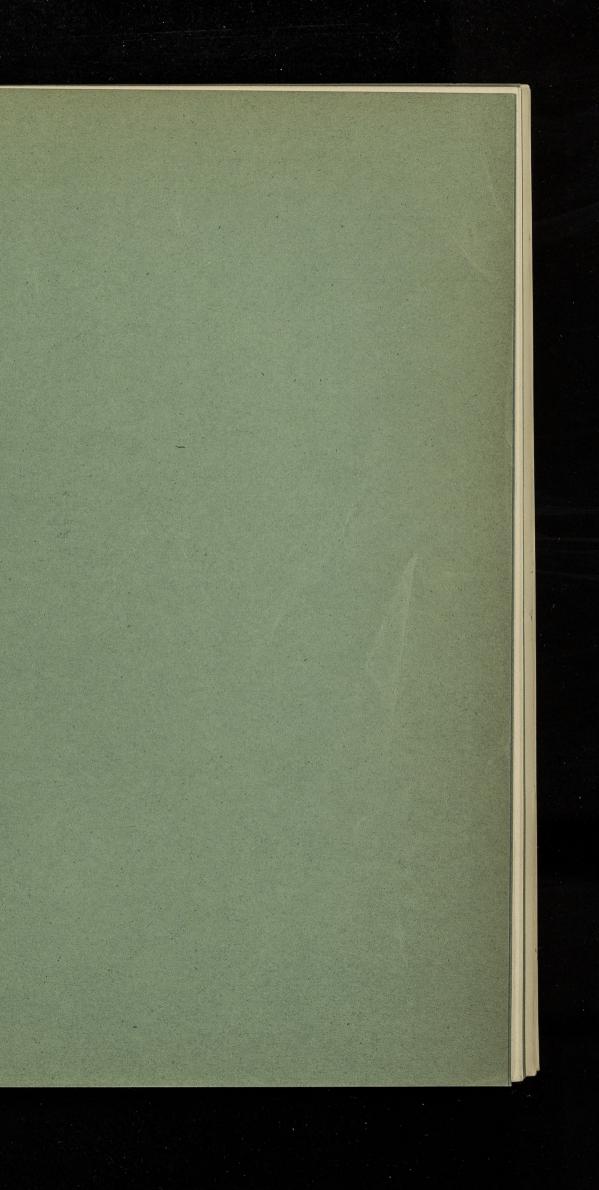
## (average employment in 1948 = 100)

TABLE 26

1.9.7-9	THE TRUTH		Contract of the second					
	Monthly index (a)			Month	Monthly index (a)			
Month	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain	
1948	ratives cle	sido - Jobia	es clerical	1948	I Theo asvilus	aego		
January	97.9	99.2	98.1	August	100.4	99.6	100.2	
February	98.5	99.7	98.7	September	100.8	100.5	100.8	
March	99.0	99.2	99.1	October	. 101.2	102.2	101.4	
April	99.5	99.1	99.5	November	101.5	102.8	101.8	
May	100.0	98.6	99.7	December	101.2	101.6	101.3	
June	100.1	99.2	100.0	Percentage employ- ment in this trade	1,546		Unler 18	
July	99.8 98.1 99.5		covered by the index	49.8	65.9	52.2		

(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. The question of man-hours worked in this trade will be dealt with in a later summary volume.

DS 42528/1/3628 K.5 12/52 DL



#### CROWN COPYRIGHT RESERVED

PRINTED AND PUBLISHED BY HER MAJESTY'S STATIONERY OFFICE To be purchased from

York House, Kingsway, LONDON, W.C.2 423 Oxford Street, LONDON, W.1 P.O. Box 569, LONDON, S.E.1 13a Castle Street, EDINBURGH, 2 1 St. Andrew's Crescent, CARDIFF 39 King Street, MANCHESTER, 2 Tower Lane, BRISTOL, 1 2 Edmund Street, BIRMINGHAM, 3 80 Chichester Street, BELFAST

or from any Bookseller

1953

Price 7s 6d net t

PRINTED IN GREAT BRITAIN