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BOARD OF TRADE

FINAL REPORT on the CENSUS OF PRODUCTION FOR 1948

Volume 4

Trade F

CONSTRUCTIONAL ENGINEERING

POLITICAL W ECONOMIC SOL

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

1952

THREE SHILLINGS 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 1948: Introductory Notes", price 2s Od. NET

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* Not applicable to this trade

CONSTRUCTIONAL ENGINEERING

CONSTRUCTIONAL ENGINEERING TRADE

THIS REPORT on the Constructional Engineering Trade relates to establishments engaged wholly or mainly in the manufacture of structural iron and steelwork, tubular scaffolding, prefabricated houses of steel or aluminium, and in carrying out constructional engineering work in Great Britain (1948) or in the United Kingdom (1946 and 1935).

This trade corresponds to minimum list heading 58 in the Standard Industrial Classification. Firms engaged in similar constructional work that did not themselves make any of the material used are included in the report on the Building and Contracting Trade.

Establishments in this trade in Northern Ireland are excluded in 1948; particulars of the very small production there in this trade in 1935 are included in the report on the Mechanical Engineering (General) Trade (Volume 4, Trade I).

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ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS CONSTRUCTIONAL ENGINEERING TRADE

Summary

Larger establishments

TABLE 1

	1948 (a)	1946 (b)	1935 (a)
Gross output (production)	£'000 87,031	£1000 64,542	£'000 19,587
Cost of materials and fuel used	43,001	33,666	10,511
Payment for work done on materials given out	9,219	2,313	335
Net output	34,811	28,563	8,741
Wages and salaries of persons employed	21,053	19,120	
Average number of persons employed	No. 59,308(c)	No. 64,079	No. 34,851
Net output per person employed	£ 587	£ 446	£ 251
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	16,326	13,462	2,387 (d)
Materials and fuel	7,704	8,020	
Number of establishments	No. 366	No.	No.

(a) Great Britain only.
(b) United Kingdom.
(c) For an estimate of the total number of persons employed in this trade see Table 3.
(d) Work in progress only.

	1948	1946	1935
Output of firms in this trade	£1000	٤'000	£1000
Total value of sales (1948 and 1946) or production (1935) and work done			
Principal products (see Table 8) Other output (see Table 10)	80,639 8,193	61,344	17,230 1,968
Adjustment for changes in stocks and work in progress	- 36(a)	+ 3,198	+ 389(b)
Less payment for transport by other firms	88,795 1,765	64,542	19,587
Gross output (production)	87,031	64,542	19,587
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	42,618	36,937	1
Adjustment for changes in stocks	+ 383(a)	-3,271	10,511
Materials and fuel used	43,001	33,666	10,511

TABLE 2

Number of returns	61
Average number of persons employed (a)	
Males	407
Females	25
Total	432

TABLE 3

As returned by firms

Employing on average

Employing on average

Estimated average emp

making satisfactory

Estimated average emp

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

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CONSTRUCTIONAL ENGINEERING

Summary, 1948

Small firms in Great Britain

(a) Including working proprietors.

Estimated average employment, 1948 All firms in Great Britain

ge more than ten persons (a)	59,308
ge ten persons or less (b)	432
	59,740
ployment in firms not returns	292
ployment in all firms	60,032

Analysis by size, 1948

2

Larger establishments in Great Britain

TABLE 4

						The set of the set of the set of the			
Average number	Establish-	Gross	Net	Persons	F	Remuneration			
employed	ments	output	output	employed	Wages	Salaries	Total	per person employed	
	No.	21000	£'000	No.	21 000	000 ا£	£'000	£	
11-24	59	1,042	554	1,025	240	76	316	540	
25-49	87	3,509	1,795	3,042	773	245	1,018	590	
50-99	92	7,907	4,012	6,746	1,714	574	2,288	595	
100-199	57	10,722	4,727	8,090	2,155	664	2,819	584	
200-299	22	6,125	2,692	5,313	1,317	489	1,807	507	
300-399	12	4,935	2,270	4,135	1,005	433	1,438	549	
400-499	9	4,935	2,484	4,129	1,054	428	1,482	602	
500-749	17	13,948	6,073	10,490	2,891	974	3,865	579	
750-999	3	3,811	1,651	2,642	740	225	965	625	
1,000-1,499	4	6,893	2,959	4,820	1,386	440	1,825	614	
1,500 and over	4	23,204	5,595	8,876	2,692	537	3,229	630	
Total	366	87,031	34, 811	59,308	15,968	5,085	21,053	587	

TABLE 5									
	Detechlich	Gross	Net	output	Persons	Remuneration			
Region	Establish- ments	output	Value	Percentage of total	employed	Wages	Salaries	Total	in and a
England	No.	£1000	£'000	nalfastal salfastal	No.	£1CCO	£1000	£!000	
Northern	21	8,352	3,853	11.1	7,354	1,974	483	2,457	
East and West Ridings of Yorkshire	33	5,097	2,458	7.1	4,292	1,115	385	1,499	
North Midland	15	1,254	649	1.9	1,233	298	91	389	
Eastern	11	2,034	964	2.8	1,564	376	148	523	
London and South Eastern	78	8 , 94 4	4 , 608	13.2	7,757	2,129	785	2,914	
Southern	12	1,169	541	1.6	1,016	253	101	353	
South Western	17	14,236	3,211	9.2	5,502	1,626	364	1,990	
Midland	60	9,538	4,674	13.4	7,967	2,182	675	2,857	
North Western	61	10,427	4,535	13.0	7,859	1,980	879	2,859	
To tal. England	308	61,051	25,493	73.2	44,544	11,932	3,910	15,842	
Wales -	11	4,194	1,782	5.1	2,703	774	243	1,016	
Scotland	47	21,786	7,537	21.6	12,061	3,262	933	4,195	-
Great Britain	366	87,031	34,811	100.0	59,308	15,968	5,085	21,053	

TABLE 7 - Total make of intermediate products; Larger establishments This table is not applicable to the trade.

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CONSTRUCTIONAL ENGINEERING

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 6 - Analysis according to specialisation within the trade, 1948 Larger establishments in Great Britain

No specialisation within this trade was distinguished.

Sales (or production) and work done ("principal products" of the trade), including sales (or production) and similar work done by establishments classified to other trades

Larger establishments

Note - The values shown for the different classes of constructional engineering work done are, for 1948, inclusive of all goods or materials used, but for 1935 goods made or fabricated by the firms and used by them in the work are excluded. The goods made or fabricated and so used are, however, recorded as output (sales or production) against the respective goods headings for both years. The total value of such goods in relation to the total value of constructional engineering work done (inclusive of all materials used) is as follows:-

	Constru	ed to the	All esta	ablishments	
	1948 £'000	1935 £'000	1948 & 000	1935 ຂ'000	
Goods made or fabricated by the firms	38,722	5,668	47,575	8,999	
Constructional engineering work (inclusive of all materials used)	59.140	15,446	73.420	21,749	
materials used)	03,140	10,440	10,420	~ 1 , 740	

TABLE 8

		1948	and and a second	193	35
	Sales (a)			Production (a)	
	Quantity .	Value	Entries	Quantity	Value
Iron and steel fabricated	Tons	£1000	No.	Tons	£'000
Bridge components	35,947	1,954	50		
Mast and tower components	21,658	1,211	42		
Steel shuttering, including road forms	5,469 ••	317 154	31	544,194	8,273(b)
Other descriptions, not elsewhere	579,624	26,110 4,695	442	i to the	
Unclassified	31,867	1,881 1,278	82		
Staircases of iron and steel (c)	5,121	391 282	3 82	1,761	45 32
Tubular scaffolding, including fittings (c)			acts En		unit.
Of steel	3, 392	326 122] 19	-	-
Of aluminium	200	140	••	the State -	-
Steel rolling shutters (c)	3 , 157 ••	427 261	16	-	-
	and the second se				

Temporary or prefabricated house framewor frame sections (c)

. Of steel

Of aluminium

TABLE 8 (contd.)

Permanent prefabricated buildings (houses bungalows, etc.) of aluminium (c)

Portable buildings (garages, poultry hous etc.) (c)

Of iron and steel

Of aluminium

Glazing bars (c)

Lead or lead clothed

Aluminium

Other

Total goods

Constructional engineering, etc. work car in Great Britain (1948) or the United Ki

Work done as main contractors (d)

New building construction (1948) or work on buildings (1935)

Permanent prefabricated houses

Other purely residential houses, in temporary houses

Purely residential flats or tenemer

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CONSTRUCTIONAL ENGINEERING

					(abd not)	TARLE 8	
			1948		193	55	
		The first of	Sales (a)	- Andrewski	Production (a)		
		Quantity	Value	Entries	Quantity	Value	
ork and		Tons	ଛ ' ୦୦୦	No.	Tons	£1000	
•	j	33,113	2,024 2,293	62		-	
		••	898	13	-	-	
25, 1565,	·	No. 17,569 Tons 147,429]21,079 	} 5	-	-	
		••	474	11	polatero en per _secto	-	
		••	361	10		-	
		3, 125	3 34 85	7		-	
		1,163	342 43	6	and the state	-	
	.{	108	21 37	6		-	
			67,609	•••	NAME TOTAL	8,350	
		Value o do			Value	of work lone	
erried out Lingdom (1935)		£'O				000	
		Concel 1920					
		19,4	.31	15	and and in the	-	
Including			69	13		149(e)	
ents		2	245	14			
				A NOR AND			

TABLE 8 (contd.)

and in the second se	1948		1935
	Value of work done	Entries	Value of work done
Constructional engineering, etc. work carried out in Great Britain (1948) or the United Kingdom (1935) (contd.)	£'000	No.	٤'000
Work done as main contractors (d) (contd.)			(C) and a second states and the
New building construction (1948) or work on buildings (1935) (contd.)			Tota Tota
Residential dwellings attached to business premises (other than department stores)	8		(1)
Department stores and shops not combined with dwellings	46	20	
Office buildings	529	44	580 (g)
Warehouses and storage premises	1,086	78	
Factories and workshops (including electric power stations, gas works, petrol filling stations, repair garages, etc.)	15,695	200	2, 347 (h)
Public buildings (buildings owned by Government, Local and other Public Authorities) except dwellings, schools, hospitals, offices and factories	439	51	239(1)
Schools and college buildings	. 510	48	130
Buildings on airfields	459		163
Buildings for Service Departments	74	15	adtract
Other new buildings	1,859	77	955
Work on buildings other than new construction	1,284	100	(f)
Unclassified new building construction and other work on buildings	1,009	17	
Other constructional work			19. 19. 19. 19. 19. 19. 19. 19. 19. 19.
On railways and light railways (permanent way, tunnels, bridges, etc.)	508	23	164
On highways (roads, bridges, drains, etc.)	40	14	157
On harbours, wharves, docks and piers	354	21	167
On waterworks (reservoirs, aqueducts, wells, mains, hydraulic works, etc.)	430	21	188
On gas mains and works	3, 308	40	969
On electric lines and works	148	14	190
Other constructional work	7,123	113	2, 174

Constructional engineering, etc. work car

in Great Britain (1948) or the United Ki (contd.)

Work done as main contractors (d) (cont

Housing site preparation

Work done as sub-contractors

Work done on buildings

Structural steelwork

Patent glazing

Reinforced concrete

Other, except heating and ventilati

Other constructional work

Unclassified constructional engineering

Total constructional engineering work

Less total value of goods made or fab in firms' own works and used in the

Total constructional engineering work, exclusive of goods made and used by

Total principal products of this trad

Less sales (or production) and work d other trades (see Table 9)

Total sales or production and work do. (principal products of this trade) b. establishments in the trade

(a) Including goods made or fabricated by the firms and used by them in constructional engineering (b) Recorded as: -

Fabricated iron a

Girders, beams, Other

(c) So far as recorded seven.
(d) Including any work done for firms the Described as "Dwellings and other residential non(e) Described as "Dwellings and other residential non(f) Not recorded separately.
(g) Including garages and all shops.
(h) Excluding garages.
(i) Described as "Public buildings, except schools".
(j) Particulars of heating and ventilating work carried out on sub-contract by firms in this trade are included in the report on the Building and Contracting Trade (Volume 12, Trade A).

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etneminiti	1948		1935					
	Value of work done	Entries	Value of work done					
rried out ingdom (1935)	£1000	No.	£'000					
td.)								
an entre	3, 201		(f)					
ersile "		anan como . Live	a and declar seatures					
	antenia de la compañía	450						
	7,906	158						
	1, 224	44	2,991					
	48	11						
ing (j)	503	53						
	709	69	380					
g work	5,176	81	807					
k.	73,420	••	The second s					
bricated work	47,575	424	12 , 750					
k, firms	25,845	• •	12,750					
de	93, 454	••	21,100					
done in	12,815	••	3,870					
one by								
	80,639	337	17,230					

and steel	Tons	£'000
joists and pillars	418,124	6,007
	126.070	2,266

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

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

Larger establishments

TABLE 9

	1948			193	1935	
	100 (2.80 L) mot	Sales(a)		Production (a)		
	Quantity	Value	Entries	Quantity	Value	
	Tons	£'000	No.	Tons	£1000	
Iron and steel fabricated			anotosa	100-00100 000	1001 1004 1005 - 2016	
Bridge, mast and tower components	3, 176	190	22			
Steel shuttering, including road forms	468	41 54	12	Georg Lence	ur ait	
Other descriptions, not elsewhere specified	22, 129	1,506 979	165	\$40,482	832(b)	
Unclassified	12,780	791 810	71	and Jupice	nitto *	
Staircases of iron and steel	1,512	121 69	} 48 {	1,341	35 31	
Tubular scaffolding of steel (including fittings)	1,911	172 33	} 9		n Chalog	
Steel rolling shutters	2,526	324 32	7	ld suley ing idea are the		
Temporary or prefabricated house framework and frame sections			an Digensi bisi Digensi bisa	nationalitana annos to anno	a Lietas Visionis -	
Of steel	7,074	479 843	27		and -	
Of aluminium	••	434	9	6017 1 <u>0</u> , 091 6901 26567.	18. 299 <u>2</u> Natur	
Portable buildings (garages, poultry houses, etc.)	••	76	5	ies er proc	anten)	
Glazing bars	1, 139	291 144] 14	AL CTMACHA	Iderey_	
Total goods	or the Clark	7,388	5 20 Prog		898	
	Value of wo		t ataatriaata	Value of work done £'000		
Constructional engineering, etc. work carried out in Great Britain (1948) or the United Kingdom (1935)	£'000		arrana, 19530 Visca ara			
Work done as main contractors	net for of the	ar emili n Quadro bi	n and shie and well these a		1	
New building construction (1948) or work on buildings (1935)	Teloome to	3				
Purely residential houses, flats or tenements, including permanent pre-fabricated and temporary houses	48	religion of	8	2	6	
DS 17922/1		1			TOS TROPERTY	

TABLE 9 (contd.)

Constructional engineering, etc. work cal out in Great Britain (1948) or the United Kingdom (1935) (contd.)

Work done as main contractors (contd.)

New building construction (1948) or on buildings (1935) (contd.)

Department stores, shops not combin with dwellings, warehouses, and s premises

Office buildings

Factories and workshops (including electric power stations, gas works petrol filling stations, repair ga etc.)

Schools and college buildings

Buildings for Service Departments

Other new buildings, including buil on airfields and public buildings (buildings owned by Government, Lo and other Public Authorities) exce dwellings, schools, offices and fa

Work on buildings other than new con

Unclassified new building constructi other work on buildings

Other constructional work

On railways and light railways (pe way, tunnels, bridges, etc.)

On waterworks (reservoirs, aqueduc mains, hydraulic works, etc.)

On gas mains and works

On electric lines and works

Other, including constructional wo highways (roads, bridges, drains, harbours, wharves, docks and pier

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CONSTRUCTIONAL ENGINEERING

			Land a heart		
	1948		1935	9 35	
	Value of work done	Entries V	Value of work done		
	£'000	No.	£'000		
arried	in.	. Bill sales			
	900 70 16				
)		Tantactor			
work					
		87040			
ined storage			Louiste real		
	13	7	80		
	4	5			
g		ALLER ALLER LAR			
ks, garages,	STOR SCIENCE	tani indittali			
	2,044	50	384		
	8	. 7	1		
	The second second	-			
ildings	active second		165		
s Local					
cept factories	179	26			
nstruction	152	32			
ion and					
	17	••	-		
	nin eterini				
ermanent	193	6	52		
cts, wells,					
000, 10110,	160	9.	51		
	1,976	18	223		
	48	5	110		
ork on	C. C. C.	2.85			
, etc.) rs	3,414	47	1,077		
	L				

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

TABLE 9 (contd.)

	1		
	1948	1935	
salue of solvinges Dirries 101% of series docu	Value of work done	Entries	Value of work done
	٤'000	No.	£'000
Constructional engineering, etc. work carried out in Great Britain (1948) or the United Kingdom (1935) (contd.)	This burners	i, oda oda ta ao (Beta (dettoer)	and a second sec
Work done as sub-contractors	A NUMBER OF A DESCRIPTION	it annsaithe	nie alen se stat disk
Work on buildings	And work the		ranco: gett-len-war- NRA - sgattitand Hell
Structural steelwork	i 642	37	langa amengapi
Other, including patent glazing and reinforced concrete but excluding heating and ventilating	49	12	523
Other constructional work	157	28	165
Unclassified constructional engineering work	5, 176	81	115
Total constructional engineering work	14, 280	••	
Less total value of goods made or fabricated in firms' own works and used in the work	8,853	1 81	2,972
Total constructional engineering work, exclusive of goods made and used by firms	5, 427	iburiusi an	2, 972
Total	12,815		3, 870

(a) Including goods made or fabricated by the firms and used by them in constructional engineering (b) Recorded as:-

Fabricated iron and steel		£'000	
Girders, beams, joists and pillars Other	23, 120 17, 362	427 405	

TABLE	10	

an Levier and a second a second a
Machinery and plant, including parts
Chemical and gas making machinery and plant
Air conditioning, heating and ventilating plant and appliances
Boilers and boiler-house plant (excluding boilers for ships or locomotives)
Mechanical handling equipment
Mining machinery
Agricultural machinery and appliances
Other machinery and plant
Iron and steel
Castings
Forgings, stampings and pressings
Fencing materials of cast or wrought iron (other than fencing wire)
Hollow-ware of wrought iron or steel
Door and window frames and casements of metal
Metal doors
Heavy plate work, not included elsewhere
Storage tanks, vats and cisterns
Bunkers, bins and silos
Pipes and chimneys

Welded or riveted built-up plate work

Pressure and sundry vessels

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

Larger establishments

	1948 Sales	1935 Production(a)	
	Quantity	Value	Value
		£' 000	£1000
	• ••	226	24
	••	34	
	•• ••	108	
	10.1.1 man	571	
	• •	121	249
	••	132	i the second
	••	379	
-	Tons		a terrest and
	3, 559	187	19'5
r l	2, 290	148 19	39
	2, 232	151 81	} 157
	••:	36	146
5	1,975	209 97	49
i	592	67 28	
5	6, 346 ••	471 49	and dealers
12-1	894	51 20	
{	5,219	287 27	
~	2, 318 ••	145 67	560
{	532	49 18	

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

TABLE 10 (contd.)

blasfai - 14 Establist se d	1948 Sales	1935 Production(a)	
	Quantity	Value	Value
	Tons	٤١٥٥٥	£1000
Products of the Shipbuilding and Ship Repairing Trade	tigra ca.	643	e contrations
Railway and tramway equipment	25, 596 ••	1, 218 72	dinifatono ala los questosan los des casiles
Parts and accessories of motor vehicles	••	113	de tol energie
Machine tools (other than portable power tools)	••	241	osse - 199 menses
Other goods	••	992	and all of the are is a second s
Total goods	1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 - 1413 -	7,057	1, 419
Scrap metal sold	Th. tons	Ster - Date	THE REAL PROPERTY AND INCOMENTS
Iron and steel	50.4	. 172	There be only
Other metals {	1.3	60 57	90
Work done other than constructional engineering (b)		1000000 10 1869 30	A is busides against
Sub-contract installation of heating and ventilating plant		113	(c)
Repair work		428	30.8-
Other	Level in a	306	151
Total work done other than constructional engineering		8 47	459
Total		8, 193	1,968

(a) Including goods made or fabricated by firms and used by them in constructional engineering work.

(b) Amount charged in 1948 and amount received in 1935.
(c) Not recorded separately.

Sales (or transfers) to other organisations under control

Froductive works

TABLE II

Export sales organisations (including branches a

Other wholesale or selling organisations

Retail shops, etc.

Total sales (or transfers) to other organisation the same control

Sales to independent buyers

Exports invoiced directly overseas

Exports invoiced to Crown Agents and purchasing this country of individual firms and government:

His Majesty's Government and Local Authorities productive establishments)

Manufacturers, repairers, builders, mines, public and transport and other productive undertakings

Wholesalers, merchants and other agents for resa

Retailers, including multiple shops, caterers and for resale

Other businesses (including farmers) and institut

Members of the public, including employees

Total sales to independent buyers

Total

(a) Of this total £1,326,000 was recorded as divided between £458,000 for export and £868,000 for other sales.

(b) This total represents the total shown in Table 23 (288,832,000) less the aggregate value of constructional engineering work carried out in Great Britain (£59, 140,000) and other work done (2847,000).

TABLE 12 - Production, exports and imports of certain principal products

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CONSTRUCTIONAL ENGINEERING

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Analysis of sales, 1948

Larger establishments in Great Britain

	Sales	Percentage of total sales
	£'000	
the same		, Bill Maria
	883	3. 1
abroad)	21	0.1
	168	0.6
	18	0.1
ions under	1,090	3.8
	1, 177	4.1
houses in ts abroad	1, 852	6.4
(other than	9,678	33.5
ic utilities, s	12,419	43. 1
ale	1, 957(a)	6.8
nd N. A. A. F. I.,	31	0.1
utions of all kinds	355	1.2
	286	1.0
	27,755	96.2
	28,845(b)	100.0

This table is not applicable to the trade.

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS Purchased materials and fuel

Larger establishments

TABLE 13

	19	48	193	55
Autorite	Materials and fuel purchased		Usage of p materials	
	Quantity	* Cost	Quantity	Cost
Materials	Th. tons	£1000	Th. tons	£1000
Iron and steel			a anton	rensidere
Pig iron	5.1	51	12.6	45
Castings, in the rough		ati shaqabi	C. Jose Mol & Laib	ione statute
Iron	57	274 32		min Lingson .
Non-alloy steel	0.4	32	and the second second	11.15.19.
Alloy steel	0.1	8	14.9	271(2)
Machined castings, iron and steel	1.2	79		······································
Machined castings, from and steel	••	103		
Bars and rods	da aport dant posterio Anti-	ANDRED CELEVIER	allow to be the la	
Of alloy steel	0.3	13	42.0	357
Of iron and non-alloy steel	57.3	1, 259	}	007
Sheets and strip of alloy steel	1.0	27	1.	Manager and the
Plates and sheets of iron and non-alloy steel	183.8	3, 989	123.6	1,079
Hoop and strip (including tape) of iron and non-alloy steel	3.8	94		un alumatica.
Angles, shapes and sections of iron and non-alloy steel	316.3	5,941	208.0	1,741(b)
Forgings, in the rough, of iron and non- alloy steel		attao malei e nevere	anti, esti che alla per scienti ci ci	
Drop	0.8	60	17	27
Other	0.1	11 9	1.3	(b) (c)
Tubes and fittings of iron and non-alloy steel	6.0	326 68	10.8	230 (d)
Girders, beams, joists and pillars of iron and non-alloy steel	227.8	4,151	379.5	3, 139 (b)
		The second second	1	

TABLE 13 (contd.)

Materials (contd.)

steel

Cable and rope

1948 1935 Materials and Usage of purchased fuel purchased Materials and fuel Quantity Quantity Cost Cost £'000 £'000 Th. tons Iron and steel (contd.) Blooms, billets and slabs of iron and non-alloy 3.5 65 Wire of iron and non-alloy steel 0.1 11 11 •• Other 0.5 26 (e) .. Other descriptions, except finished parts or 1.1 35 scrap 15 3 3.0 Scrap iron and steel •• Th. cwts. Th. cwts. Aluminium and aluminium alloys Plates, sheets, strip and circles 247.0 2,111(f) Extruded tubes, bars, sections and wires 373.2 3,566(f) 0.3 2(g) 18.2 229(f) Other descriptions, except finished parts 24 •• Brass (including all alloys of copper, other than nickel alloys) in all forms, except finished parts 3.3 29 5 27 (h) 23.3 .. Th. galls. 1,036.6 Paint, enamel and varnish 846 Th. cwts. 1.7 Machinery belting (including conveyor and 24 elevator bands) •• 6 Chains, iron and steel 0.5 6 Transmission 6 .. 1.2 15 Other .. 0.6 9 (e) Ball and roller bearings .. 19 .. Nuts, bolts and washers, etc. (f) 926 •• Fabricated bridge and structural steelwork 1,810 •• Timber (excluding timber used for making into cases, etc., or for repairing returnable cases) Th. cu. ft. 23 12 44 Hardwood •• Standards 1,375 Softwood (j) 18,848

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CONSTRUCTIONAL ENGINEERING

TABLE 13 (contd.)

			and the second second second second	35855
	1948 Materials and fuel purchased		193	35
			Usage of purchased materials and fuel	
	Quantity	Quantity Cost		Cost
		£1000		£1000
				A States
Materials (contd.)			ina) source from	noit
Purchased components, not elsewhere specified	to Lig-mon .sot no	7,726	Le ciorri e famo	17
Packing materials	••	61		
Replacement parts for firms' machinery, other than machined castings		249	••	3, 377 (1)
Consumable tools bought as replacement	••	416	teni	
All other purchased materials	the agent out	4,271		
Unclassified materials	••	1,109		
Fuel and electricity	Th. tons	1.22.2 - 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Th. tons	
Coal	53.4	170	35.8	38
Coke	40.3	155	31.2	41
Electricity purchased (k)	Th.B.T.U. (kW.hrs.)		Th. B. T. U. (KW. hrs.)	41
From public supply	74,570	368	ast that assess the	
From other sources	1,270	6	34,472	126
Electricity obtained from other works under the same ownership	6, 959	26	ered barba	
Motor spirit (petrol) and derv. fuel	Th. galls.	i i i i i i i i i i i i i i i i i i i	Th. galls.	RALE -
Used for road vehicles	890	90		- Martin State
Used for other power purposes	206 ••	17 3	••	(e)
Other oil fuel (including creosote/pitch mixtures)	884	37	634	11(1)
Gas purchased and gas obtained from other { works under the same ownership	Th. therms 2,228	86	1	16
Norito ander one Same Ownership	Th.cu.ft. 105,266	13		(e)
All other purchased fuel	••	74		
Total		42,618	lines: one stille?	10, 511
 (a) Described as "Iron and steel castings". (b) Including alloy steel. 	- Numiloste			19a.m

TABLE 14

Finished products Work in progress Total finished products and wor Materials and fuel Iron and steel in all forms (except parts and scrap) Other descriptions of materials a Total materials and fuel

(a) Described as "Iron and steel castings".
(b) Including alloy steel.
(c) Not described as in the rough.
(d) Described as "Wrought tubes of iron and steel".
(e) Not recorded separately.
(f) So far as recorded separately.
(g) Described as "Aluminium, in all forms".
(h) Non-ferrous alloys in all forms.
(i) Including fuel not specified separately.
(j) Standards of 165 cubic feet.
(k) The total quantity of electricity consumed in 1948 was 83,870,000 B.T. units including 1,071,000 generated in the same works.
(i) Described as "Heavy fuel oil".

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CONSTRUCTIONAL ENGINEERING

Stocks of finished products and work in progress and stocks of materials and fuel, 1948 Larger establishments in Great Britain

	At beginnir	ng of year	At end o	d of year		
	Quantity	Value	Quantity	Value		
		£1000		£1000		
		1,095	••	1, 142		
a	ALC. LE	15,267	in in	15, 184		
ork in progress		16, 362		16, 326		
1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Th. tons		Th. tons			
			ha hanna d	- Calif		
ept finished) (163.3	2,906 931	181.5	3,349 1,060		
and fuel	••	4,250	••	3, 296		
•		8,087		7,704		
				and the second		

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS

Employment and remuneration (a)

Larger establishments

TABLE 15

	Average number of operatives		Administrativ and clerical	ve, technical employees (b)	Total		
Contraction (Contraction)	1948	1935	1948	1935	1948	1935	
Males	Toole H		- Alexandream				
Under 18	1,966	3,059	736 -	567	2,702	3, 626	
All ages	45, 593	28,015	9,391	5,668	54,984	33,683	
Females							
Under 18	59	11	423	159	482	170	
All ages	1,629	112	2,657	1,056	4 , 286	1,168	
Total		and the second second					
Under 18	2, 025	3,070	1,159	726	3, 184	3,796	
All ages	47,222(c)	28,127	12,048(d)	6,724	59,270 (d)(e)(f)	34,851	
	£'000		£1000		£'000		
Total remuneration	15,968		5,085		21,053		

(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):-

emales
e

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

(c) Including 10,567 operatives employed in outside work of erection, fitting, etc.

- (d) There were, in addition, 38 working proprietors (37 males and 1 female) in 1948. Working proprietors are included in the 1935 figures.
- (e) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £490,000.
- (f) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	185	
Maintenance and repair of firms' buildings, but not plant	210	
Research work not directly connected with current production however charged	1	10

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TABLE 16

	Amount	Esta	ablishments	making retu	rns for the	calendar y	ear	
	paid by all	Amount	Perce	Percentage of annual remuneration paid in				
	establish- ments	paid	First quarter	Second quarter	Third quarter	Fourth quarter		
	£'000	£1000						
ges and salaries of			Sumair bearings			and the state of the		
)peratives	15.968	7,394	28.4	24.0	22.8	24.8	100.0	
Administrative, technical and								
clerical employees	5,085	2,474	25.2	24.6	23.9	26.3	100.0	
Total	21,053	9,867	27.6	24.1	23.1	25.2	100.0	

(a) Including bonus and commission payments.

Larger establishments in Great Britain

TABLE 17 - Payments for work done on materials given out, 1948 The total amount paid for work done on materials given out was £9,219,000.

CONSTRUCTIONAL ENGINEERING

Wages and salaries paid, 1948 (a)

Larger establishments in Great Britain

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS 4/F/22 Payments for certain services, 1948 Larger establishments in Great Britain

TABLE 18	
	Amount paid
The state of the second statement of the second	£1000
Repair and maintenance	
Of buildings	134
Of plant, machinery and vehicles	236
Unclassified	193
Hire of plant, machinery and vehicles	245
Advertising and market research	Site List
Advertising in newspapers, magazines and periodicals	73
Other advertising services (poster display, despatch of circulars, etc.) and market research	15
Unclassified	70
Payments made for research work	
To research associations	5
To universities, institutions, academic bodies and similar agencies	3
To other commercial concerns	5
Postage, telephone, telegrams and cables	179
Commercial insurance premiums	343
Rates (excluding water rates) payable in the year	88

. CONSTRUCTIONAL ENGINEERING

Plant, machinery and vehicles acquired and disposed of, 1948

TABLE 19

	Acqui	Disposals		
	New	Second-hand	Disposare	
1994-49 (2013) 12 (2013) 12 (2013)	۵' ۵۵۵	£' 000	£'000	
Plant and machinery	638	192	71	
Vehicles	130	57	22	
Total	768	249	94	

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

TABLE 20

1. Capital expenditure on building work (a)

2. Existing buildings and land (b)

(1) Capital cost of freeholds bought

Estimated capital value of

(11) Rented property newly occupied in the

(iii) Leasehold buildings and land newly occ Total of heading 2

Total of headings 1 and 2

3. Existing buildings and land relinquished (d)

- (1) Selling value of freeholds sold
- (11) Estimated value of other properties relin

Total of heading 3

4. Headings 1 and 2 less heading 3

(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.

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Larger establishments in Great Britain

Larger establishments in Great Britain

	£1000	£1000
		417
	52	
year (c)	355	
year (c)	000	
cupied in the year	137	
		544
		961
	38	
nquished	642	
	(NOL) ODO	680
		281
		in the second providence of the second

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES CONSTRUCTIONAL ENGINEERING TRADE

1948

Summary

Larger establishments

TABLE 21

4/F/24

	England	Wales	Scotland	Great Britain
	£1000	۵000 ا	£1000	£1000
Gross output (production)	61,051	4,194	21,786	87,031
Cost of materials and fuel used	30,542	2, 373	10,086	43,001
Payment for work done on materials given out	5,015	40	4,163	9,219
Net output	25,493	1,782	7,537	34,811
Wages and salaries of persons employed	15,842	1,016	4,195	21,053
Average number of persons employed	No. 44, 544	No. 2,703	No. 12,061	No. 59, 308
Net output per person employed	572	£ 659	£ 625	ົ <u>ສ</u> 587
Stocks at end of year	ଛ' ୦୦୦	£1000	٤' 000	£'000
Finished products and work in progress	11,902	563	3,861	16,326
Materials and fuel	5,809	376	1,520	7,704
Number of establishments	No. 308	No. 11	No. 47	No. 366

TABLE 22

Number of returns

Average number of persons employed (b)

Males

Females

Total

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

(b) Including working proprietors.

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

			Contraction of the state of the state of the state of the	
	England	Wales	Scotland	Great Britain
	£1000	٤'000	£'000	£'000
Output of firms in this trade				
Total value of sales and work done (see Table 23)	61,776	4,636	22,420	88,832
Adjustment for changes in stocks and work in progress	+ 391	- 418	- 9	- 36
	62,167	4,218	22,411	88,795
Less payment for transport by other firms	1,116	24	625	1,765
Gross output (production)	61,051	4,194	21,786	87,031
Materials and fuel used by firms in this trade		5 spille	entenni R bun	Contract
Purchases (see Table 24)	30,720	1,837	10,061	42,618
Adjustment for changes in stocks	- 177	+ 536	+ 25	+ 383
Materials and fuel used	30, 542	2,373	10,086	43,001
				and the second

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Summary Small firms

Langeration	England and Wales (a)	Scotland	Great Britain 🤲
	58	3	61
684-181	262 - S		
	384	23	407
	24	1	25
	408	24	432

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

Sales (including goods made or fabricated by the firms and used in constructional engineering work) and work done in the trade

Larger establishments

TABLE 23

	England and Wales		Scot	land	Great Britain	
	Quantity	Value	Quantity	Value	Quan ti ty	Value
Principal products	Tons	٤'000	Tons	٤'000	Tons	£'000
Iron and steel fabricated	6					
Bridge, mast and tower components	47,970	2,658	6,459	317	54,429	2,976
Steel shuttering, including road forms		(a)	••	(a) (5,001	276 100
Other descriptions, not { elsewhere specified	469,837	20,406 2,971	87,658	4,198 745	557,495 ••	24,604 3,717
Unclassified	1,077	54 175	18,010	1,035 293	19,087 ••	1,089 468
Staircases of iron and steel	••	(a)		(a) {	3,609	270 213
Tubular scaffolding, including fittings	thinty inc:	ie zaliete.	eniteriotol t			
Of steel	1,481	155 90	-	- {	1,481	155 90
Of aluminium	200	140	-	-	200	140
Steel rolling shutters	631	103 229	· ·	- {	631 ••	103 229
Temporary or prefabricated house framework and frame sections						
Of steel	19,770	1,187 219	6,269	359 1,231	26,039 ••	1,546 1,450
Of aluminium	••	(a)	••	(a)	No.	463
Permanent prefabricated buildings (houses, bungalows, etc.) of aluminium		(a)	••	(a)	17,569 Tons 147,429	21,079
Portable buildings (garages,				l	••	69
poultry houses, etc.)	••	759	-	-	••	759
Glazing bars	3, 257	406 20		- {	3, 257	406 20
Total goods (principal products)		45,117		15,104		60,221

TABLE 23 (contd.)

TABLE 23 (contd.)			
	England and Wales	Scotland	Great Britain
	Value of work done	Value of work done	Value of work done
Principal products (contd.)	£'000	£1000	£'000
Constructional engineering,etc. work carried out in Great Britain			
Work done as main contractors			
New building construction			
Purely residential houses, flats or tenements, including permanent prefabricated and temporary houses	(a)	(a)	10,007
Residential dwellings attached to business premises (other than	(a)	(d)	19,697
department stores)	8	-	8
Department stores, shops not combined with dwellings, warehouses, and			
storage premises	1,048	71	1, 119
Office buildings	512	13	525
Factories and workshops (including electric power stations, gas works, petrol filling stations, repair		in and in the second	
garages, etc.)	9,198	· 4 , 453	13, 651
Schools and college buildings	443	58	50 2
Buildings for Service Departments	(a)	(a)	74
Other new buildings, including buildings on airfields and public buildings (buildings owned by Government, Local and other Public Authorities) except			
dwellings, schools, offices and factories	1,695	883	2, 578
Work on buildings other than new construction	977	155	1,132
Unclassified new building construction and other work on buildings	827	165	992
	0.07	109	000

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CONSTRUCTIONAL ENGINEERING COUNTRY TABLES

TABLE 23 (contd.)

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

Quantity

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...

..

..

...

...

Tons

...

..

..

..

•• 894

..

5,219 ••

2,318 ..

> 532 ...

1,975 . . . 592

3,559

England and W

TABLE 23 (contd.)

.

TADLE 23 (CONCUR)				
	England and Wales	Scotland	Great Britain	
	Value of work done	Value of work done	Value of work done	
Principal products (contd.)	£1000	£'000	£1000	Other output
Constructional engineering, etc. work carried out in Great Britain (contd.)		000 12	entrates, creates (const	Machinery and plant, including parts
Work done as main contractors (contd.)		ing.etc.	weather interintance	Chemical and gas making machinery and plant
Other constructional work		anota anota kata	Areat Brittelit	Air conditioning, heating and ventilating plant and appliances
On railways and light railways (permanent way, tunnels, bridges, etc.)	302	. 14	315	Boilers and boiler-house plant (excluding boilers for ships or locomotives)
On waterworks (reser- voirs, aqueducts, wells, mains, hydraulic works,		and a second sec		Mechanical handling equipment
etc.)	(a)	(a)	269	Mining machinery
On gas mains and works On electric lines and	1,332	- South - South	1,332	Agricultural machinery and appliances
works	100	-	100	Other machinery and plant
Other, including constructional work on			internet interestic	Iron and steel
highways (roads, bridges, drains, etc.),		C.S.D.T.	DEA DEALCHEID- 66	Castings
harbours, wharves, docks, and piers	3,604	499	4, 104	Forgings, stampings and pressings
Housing site preparation Work done as sub-contractors	1, 688	1,513	3, 201	Fencing materials of cast or wrought iron (other than fencing wire)
Work on buildings		ERIAR	Theory and the	Hollow-ware of wrought iron
Structural steelwork	6,998	266	7,264	or steel
Cther, including patent glazing and reinforced concrete but excluding		5.44 N. 200	And Ballylings	Door and window frames and casements of metal
heating and ventilating	(a)	(a)	1,726	Metal doors
Other constructional work	(a)	(a)	552	Heavy plate work, not included elsewhere
Total constructional engineering work	40,563	18,577	59, 140	Storage tanks, vats and cistems
Less total value of goods made or fabricated in firms' own works and				Bunkers, bins and silos {
used in the work	26,777	11,945	38,722	Pipes and chimneys
Total constructional engineering work, exclusive of the value			with the state of	Welded or riveted built- { up platework
of goods made and used by the firms	13,786	6,632	20,417	Pressure and sundry Vessels
Total principal products	58,903	21,736	80,639	
		t de la companya de la		

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CONSTRUCTIONAL ENGINEERING COUNTRY TABLES

Wales	Scotl	and	Great Britain			
Value	Quantity	Value	Quantity	Value		
£'000		£'000		£!000		
- Line a						
(a)	••	(a)	••	226		
(a)	••	(a)	••	34		
		R. C. S.				
108	-	- 77	••	108		
531		40		571		
(a)		(a)	••	121		
(a)	and the second second	(2)				
(a) 314	••	(a) 65	••	132		
014	•••	05	••	379		
187	_		Tons 3,559	187		
		ſ	2,290	148		
(a)	••	(a) {		140		
1.		١	2, 232	151		
(a)	••	(a) {	••	81		
17.0						
36 209	-	-	••	36		
79) •••	18 {	1,975	209 97		
67 28	-	- {	592	67 28		
		La construction de la constructi	••	20		
				Mines -		
(a)	••	(a)	6,346	471 49		
51	2 -	- 5	894	51		
20	1	j		20		
287 27	-		5,219	287 27		
145 67	} -	- {	2, 318	145		
49				67		
18	-	{	532	49 18		

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

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TABLE 23 (contd.)

	England and Wales		Scotl	Land	Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Other output (contd.)		£1000		£1000		£' 000
Products of the Shipbuilding and Ship Repairing Trade		(a)	••	(a)		643
Railway and tramway equipment {	Tons 24,607	1,174 72	Tons } 989	44 {	Tons 25,596	1,218 72
Parts and accessories of motor vehicles		113	-		••	113
Machine tools (other than portable power tools)		(a)		(a)		241
Other goods		80 2		191		992 .
Total goods (other output)		6,490		568	COM STREET	7,057
ing and and the ing in the	Tn. tons		Th.tons		Th. tons	
Scrap metal sold				bRe	anzi que a	
Iron and steel	41.5	141	8.9	32	50.4	172
Other metals	1.1	48 53	0.2	12 3	1.3	60 57
Work done other than constructional engineering (b)			TT STELL	ane.	indos franse of getal	Creation and bene reaction categories
Sub-contract installation of heating and ventilating plant		113		_	80 800	113
Repair work		364		64	910230919	428
Other		301		5		306
Total work done other than constructional engineering		778	43.3	70	experies exe	847
Total		66,412		22, 420	27.04	88,832

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

(b) Amount charged.

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TABLE 24

Materials

Iron and steel Pig iron

Iron

and steel Bars and rods Of alloy steel

Castings, in the rough

Machined castings, iron

Of iron and non-alloy steel

Plates and sheets of iron and non-alloy steel

Hoop and strip (including tape) of iron and non-alloy steel

Angles, shapes and sections of iron and non-alloy steel

Forgings, in the rough, of iron and non-alloy steel

Tubes and fittings of iron and non-alloy steel

Girders, beams, joists and pillars of iron and non-alloy steel

Blooms, billets and slabs of iron and non-alloy steel

Wire of iron and non-alloy

Other descriptions, except

finished parts or scrap

Cable and roper

Drop

Other

steel

Other

Sheets and strip of alloy steel

Non-alloy steel Alloy steel

CONSTRUCTIONAL ENGINEERING COUNTRY TABLES Purchased materials and fuel Larger establishments

England and Wales Scotland				Great Britain			
Quantity	Cost	Quantity	Cost	Quantity	Cost		
Th.tons	£' 000	Th.tons	£'000	Th.tons	£'000		
••	(a)		(a)	5, 1	51		
••	(a)		(a) {	5.7	274 32		
••	(a)	••	(a)	0.4	32		
•• 1	(a)	••	(a)	0.1	8		
••	(१)		(a) {	1.2	79 103		
••]	(a)	••	(a)	0.3	13		
42.0	934	15.3	325	57.3	1, 259		
1.0	27		-	1 . 0	27		
142.9	2,884	40.9	1, 105	183.8	3,989		
3.7	92	-	1	3 . 8	94		
254. 5	4,811	61.7	1, 130	316.3	5,941		
0.8	60	-	-	0.8	60		
•• 1	(a)	• • .	(a)	0.1	11 9		
5.9	321 57	0.1	6 11	6.0	326 68		
179.3	3, 265	48.6	886	227.8	4,151		
1. 7	34	1.7	31	3.5	65		
0.1	8 10	-	3 1	0.1	11 11		
0.4	24	-	2	0.5	26		
••	(a)	••:	(a)	1.1	35		

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

TABLE 24 (contd.)

TABLE 24 (contd.)

Grantity Oost Quantity Oust Quantity Q
Interfals (onta.) If a set of the se
Iron and steel (contd.) (a) (a) (b) Begiassement parts for firme' machined sestings Strup iron and ateel (a) (b)
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Surge from and steel (a) (b) (c) (c) (c) (c) (c)
Augustitum and alustifum alloys (a)
Plates, sheets, strip and circles (a) (b) 247.0 2.111 All cher purchased materials Bytruded tuber, bars, cottions and wires (a) (a) (b) 275.2 3,566 Pusi and electricity Th. to Outlassified materials Other descriptions, except initistic parts (a) (a) (b) 25,2 260 Coal 40. Other descriptions, except initistic parts (a) (a) (b) 75,2 250 Coal 40. Drass (including all alloys of copper, other tube parts (a) (a) (a) 250 Coal 40. Drass (including all alloys of copper, other tube parts (a) (a) (a) Descriptions Descriptions Descriptions Descriptions Descriptions Descriptions Descriptions Descriptions Descriptions
efreis (a) (a) <t< td=""></t<>
sections and wires (a) (a) 973.2 5,566 Poal and electricity In. 40. Other descriptions, except initiated paths (a) 15.2 220 Coal 40. Brass (including all alloys of copper, other that indicat plated (a) (a) 15.2 220 Coal 40. Drass (including all alloys of copper, other that indicat plated (a) (a) 24 Coal 40. Drass (including conveyor and cievator bands) (a) (b) Th cwiss. Th cwiss. Th cwiss. Th cwiss. Description Description <td< td=""></td<>
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elevator bands) 4 4 6 Motor spirit (petrol) and derv. fuel Th. gal Outains, iron and steel (a) (a) 6 Motor spirit (petrol) and derv. fuel Th. gal Transmission (a) (a) 6 Used for road vehicles 70 Other 1.2 15 - - 1.2 15 Other oil fuel (including creosote/pitch mixtures) Th. the purposes Th. the purposes Th. the purposes 75 Ball and roller 0.5 7 - 2 0.6 9 Gas purchased and gas obtained from other works under the same works obtained from other works under the
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ITRABENTSSION (a) (a) (a) (a) (b) (c) 6 Used for other power purposes 18 Other 1.2 15 6 1.2 15 0ther other power purposes 0ther other power purposes 18 Ball and roller 0.5 7 - 2 0.6 9 0ther other works ot
Other 1.2 15 - - 1.2 15 0ther of 1 fuel (including creosote/pitch mixtures) 75 Ball and roller bearings 0.5 7 - 2 0.6 9 0as purchased and gas obtained from other works 75 Nuts, bolts and washers, etc. 733 193 926 Other purchased fuel Fabricated bridge and structural steelwork 1,322 487 1,810 Total Timber (excluding timber used for making into cases, etc., or for repairing returnable cases) Th.cu.ft. Th.cu.ft. Th.cu.ft. Th.cu.ft. (a) Owing to the risk of disclosure of 1 25 10 0 4 44 93 1071 Oco generated in the same work
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bearings 18 1 19 Gas purchased and gas obtained from other works under the same ownership 2,15 Nuts, bolts and washers, etc. 733 193 926 Obtained from other works under the same ownership 11,07 Fabricated bridge and structural steelwork 1,322 487 1,810 All other purchased fuel Timber (excluding timber used for making into cases, etc., or for repairing returnable cases) Th.cu.ft. Th.cu.ft. Th.cu.ft. Th.cu.ft. Int.cu.ft. (a) Owing to the risk of disclosure of 1 cannot be given. 75
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structural steelwork 1,322 487 1,810 Total Timber (excluding timber used for making into cases, etc., or for repairing returnable cases) Th.cu.ft. Th.cu.ft. Th.cu.ft. Th.cu.ft. (a) Owing to the risk of disclosure of i cannot be given. (b) The total quantity of electricity contained in the same work 10 10
used for making into cases, etc., or for repairing returnable cases) (a) Owing to the risk of disclosure of i cannot be given. (b) The total quantity of electricity co 1 071 000 generated in the same work
etc., or for repairing returnable cases) (b) The total quantity of electricity co 1 071 000 generated in the same wor
(0) The covar grant dignitized in the same work of (1) and (2) in the same work of (2) and (2)
Hardwood (11 1 12 to individual firms separate figure
Settured (a) Standards
Softwood (a) (a) 18,848 1,375
Purchased components, not elsewhere specified 5,617 2,109 7,726
Packing materials 49 11 61
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Land and Wales Scotland Great Britain :1ty Cost Quantity Cost Quantity Cost £'000 £'000 £'000 29 249 221 75 341 416 •• 3,503 769 •• 4,271 • • 961 148 1, 109 •• •• .. Th. tons Th. tons cons .7 135 12.8 35 53,4 170 4.8 .T.U. hrs.) 137 5.5 18 40.3 155 Th.B.T.U. (kW.hrs.) Th. B. T. U. (KW. hrs.) 12 74,570 368 287 16,558 81 (a) (a) 1,270 6 (a) 6,959 26 (a) Th.galls. Th. galls. alls. 890 701 72 189 18 90 206 .87 17 16 19 1 .. 3 3 .. 753 herms 151 u.ft. 075 37 32 131 5 884 Th. therms Th. therms З 2,228 Th.cu.ft. 105,266 86 83 77 Th. cu. ft. 94, 191 2 11 13 7 74 67 •• 10,061 42,618 32,556

information relating to individual firms, separate figures

consumed in Great Britain was 83,870,000 B.T. units, including orks. Owing to the risk of disclosure of information relating res for England and Wales and for Scotland cannot be given.

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

Employment and remuneration

Larger establishments

TABLE 25

the second s									
	England and Wales			Scotland			Great Britain		
	Average number of operatives	Admin- istrative, technical and clerical employees (a)	Total	Average number of operatives	Admin- istrative, technical and clerical employees (a)		Average number of operatives	Admin- istrative, technical and clerical employees (a)	Total
Males				1000			en sasarr	61008 -91199 (1280919)	Manoù Mare
Under 18	1, 578	617	2, 195	3 88	119	507	1,966	736	2,702
All ages	36, 303	7,674	43, 977	9, 290	1,717	11,007	45, 593	9, 391	5 4, 984
Females		•	100		a battan at				an it and
Under 18	44	329	373	15	94	109	59	423	482
All ages	1, 154	2,085	3, 239	475	572	1,047	1, 629	2,657	4,286
Total	, the state		and Mary		j Cardon	8) 	(d) 24468	tariat datas	17 20 - 22 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Under 18	1, 622	946	2, 568	403	213	616	2,025	1, 159	3 , 1 84
All ages	37 , 457 (b)	9,759(c)	47,216 (c)(d)	9,765(b)	2,289(c)	12.054 (c) (d)	47, 222(b)	12,048(c)	59,270 (c)(d)
2	21000 ه	£1000	£1000	£1000	£1000	£' 000	£1000	£1000	£1000
Total remuneration	1 2, 706	4 , 152	16 , 858	3, 262	933	4 , 19 5	15,968	5,085	21,053
									A SULLEY A MANAGEMENT

(a) Number at September 25, 1948.

(a) Number at september 25, 1948.
(b) Including operatives employed in outside work of erection, fitting, etc., the numbers so included being 10,567 in Great Britain; 8,160 in England and Wales, and 2,407 in Scotland.
(c) There were, in addition, 38 working proprietors (37 males and 1 female) in Great Britain; 30 males and 1 female in England and Wales, and 7 males in Scotland.
(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £490,000; £392,000 for England and Wales, and £98,000 for Scotland.

TABLE 26

Month	nth Monthly index (a) Month		Monthly index (a)				
	England and Wales	Scotland	Great Britain	rion ch	England and Wales	Scotland	Great Britain
1948				1948	+		
January	131.2	94.6	122.4	August	92.6	101.4	94.7
February	126.6	94.6	118.9	September	93.2	104.9	96.0
March	105.8	95.6	103.4	October	92.7	105.1	95.7
April	98.7	96.6	98.2	November	93.5	105.3	96.4
May	92.1	99.1	93.8	December	91.3	104.6	94.5
June	91.9	100.4	93. 9	Percentage employ-			
July	90.3	97.5	92.1	ment in this trade covered by the index	44.7	54.6	46.7

(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.

CONSTRUCTIONAL ENGINEERING COUNTRY TABLES

4/F/35

Monthly index of employment of operatives: Larger establishments

(average employment in 1948 = 100)

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