

# FINAL REPORT on the CENSUS OF PRODUCTION FOR 1948

Volume 3

Trade C

# **IRON FOUNDRIES**



Presented by the Board of Trade to Parliament in pursuance of the Statistics of Trade Act, 1947 (10 & 11 Geo. 6, Ch. 39, Sec. 7).

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In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s Od. NET

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23 or		

Sales in the trade: Larger establishments 3/C/29 23(1) 23(11) Sales in the trade: Small firms \* 24 or 24(1) Purchased materials and fuel: Larger establishments 3/C/34 24(11) Purchased materials and fuel: Small firms \* 25 or 25(1) Employment and remuneration: Larger establishments 3/C/36 25(11) Employment: Small firms \* Monthly index of employment of operatives: Larger establishments 26 3/0/37 \* Not applicable to this trade

THIS REPORT on the Iron Foundries Trade relates to establishments engaged wholly or mainly in the manufacture of cast iron goods of all descriptions.

The particulars shown for 1937 and 1935 include establishments mainly engaged in manufacturing steel castings. In those years iron and steel foundries were classified together and, as the firms were not required to give separate details of all steel castings made, it has not been possible to re-classify their returns in accordance with the Standard Industrial Classification.

This trade corresponds to minimum list heading 42 in the Standard Industrial Classification.

Establishments in this trade in Northern Ireland (which are excluded in 1948) accounted in 1935 for less than 1 per cent. of the net output for the United Kingdom.

#### IRON FOUNDRIES TRADE

57 1.6 3/C/2

# METAL MANUFACTURE

## IRON FOUNDRIES TRADE

Summary

# Larger establishments

TABLE |

	1948(a)	19 <i>3</i> 7(b)	1935(b)
	£!000	£'000	s.º 000
Gross output (production)	113, 366	54, 306	39,418
Cost of materials and fuel used	45, 468	23,708	16, 121
Payment for work done on materials given out	1,048	339	205
Net output	66,850	30, 259	23,092
Wages and salaries of persons employed	41, 278	••	••
	No.	. No.	No.
Average number of persons employed (c)	118,942(d)	129,082	110,742
	ફ્રિ.	£	<b>§</b> ,
Net output per person employed (c)	562	234	209
	£! 000	£! 000	s.º 000
Stocks at end of year		-	
Finished products and work in progress	7,659	••	••
Materials and fuel	8,050	••	••
	No.	No.	No.
Number of establishments	870	••	857

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

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

	Tuer used are der.	Ived in the follow	ling way: -
	1948	1937	1935
	£'000	£'000	£! 000
Output of firms in this trade			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	100,600	47,326	34,898
Other output (see Table 10)	13,501	6,980	4,520
Adjustment for changes in stocks and work in progress (see Table 14)	+ 1,475		
	115,576		
Less payment for transport by other firms	2,210	54,306	39,418
Gross output (production)	113,366	54,306	39, 418
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	46,940	h	
Adjustment for changes in stocks (see Table 14)	- 1,472	23,708	16, 121
Materials and fuel used	45,468	23,708	16, 121
DS 18451/1	the second s	here and the second sec	

# TABLE 2

Number of returns	-	195
Average number of persons emp	oloyed (a)	
Males	000 734	1,182
Females	and a	87
	Total	1,269

(a) Including working proprietors.

# Estimated average employment, 1948

# TABLE 3

As returned by fir Employing on ave

Employing on ave

Estimated average satisfactory retu

Estimated average

(a) See Tables 1 and 15.

(b) See Table 2.

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### IRON FOUNDRIES

Summary, 1948

## Small firms in Great Britain

# All firms in Great Britain

rms	
erage more than ten persons (a)	118,942
erage ten persons or less (b)	1,269
	120,211
employment in firms not making	
ırns	. 400
employment in all firms	120,611

3/0/3

\*

# Analysis by size, 1948

# Larger establishments in Great Britain

TABLE 4

19451/1

INDEL T						the second second		
Average number employed	Establish- ments	Gross output	Net output	Persons employed	Wages	Remuneration Salaries	on Total	Net cutput per person employed
								×
•	No.	£' 000	£'000	No.	£'000	£1000	£'000	£
11 - 24	158	1 2,378	1,696	2,933	855	141	996	578
25 - 49	238	6,888	4,908	8,630	2,594	435	3,029	569
50 - 99	195	11,829	8,086	13, 831	4,192	688	4,880	585
100 - 199	143	18,321	11,570	19,912	.6,027	962	6,990	581
200 - 299	42	10,480	6,414	10,341	3, 198	517	3,714	620
300 - 399	24 .	8,763	4,619	8,277	2,397	479	2,876	558
400 - 499	19	8,926	5,014	8,347	2,342	467	2,810	601
500 - 749	25	14,582	7,900	14,937	4,579	681	5,260	529
750 - 999	10	8,930	5,024	8,813	2,500	510	3,010	570
1,000 - 1,499	9	10,403	5,180	10,436	2,883	684	3,567	496
1,500 and over	7	11, 866	6,437	12,485	3,398	749	4 <b>, 1</b> 47	516
Total	870	113,366	66 <b>,</b> 850	118,942	34,965	6,314	41 <b>,</b> 278	562
		1	Lan	Land and the second	Later and second			L

La

TABLE 5

IAE	LE 5								
				Net	output		F	Remuneration	L
	Region	Establish- ments	Gross output	Value	Percentage of total	Persons employed	Wages	Salaries ,	Total
2241234 1.000000	and a set	No.	£'000	£1000		No.	٤' ٥٥٥	£1000	£1000
Eng	land	24,880 200					and the second second		
N	orthern	49	8,643	3,820	5.7	7,760	2,220	398	2,618
	ast and West						1	autoria ital	
	Ridings of Yorkshire	119	11,641	7,203	10.8	12.816	3,540	742	4,282
N	orth Midland	85	19,278	10,097	15.1	18,299	5,438	987	6,425
Έ	astern	30	6,162	3,605	5.4	6,530	1,783	446	2,229
	ondon and South Eastern	40	4,109	2, 553	3.8	3,777	1,285	214	1,499
S	outhern	17	538	382	0.6	721	217	39	256
S	outh Western	21	1,075	764	1.1	1,467	460	58	518
M	lidland	239	30,825	19,295	28.9	32, 281	10,011	1,737	11,748
N	orth Western	136	10,944	6,902	10.3	12,527	3,657	629	4,286
	Total England	736	93,216	54,621	81.7	96,178	28,611	5,251	33,862
Wa1	.68	32	3,513	1,768	2.6	3,613	1,087	161	1, 247
Sco	otland	102	16,637	10,461	15.6	19,151	5,267	902	6,169
Gre	eat Britain	870	113,366	66,850	100.0	118,942	34,965	6, 314	41,278

3/c/4

# IRON FOUNDRIES

Analysis by standard region, 1948 Larger establishments in Great Britain 3/c/5

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

TABLE 6

TABLE									1	IADLE O
	Establish-	Gross	Sales of charac-	Net	Persons	Re	emuneration	L	Net output per person	
	ments	output	teristic products	output	c employed	Wages	Salaries	Total	employed	
	No.	£1000	<u>ଛ</u> .' ୦୦୦	000 ع	No.	£'000	£'000	۵00 £	£	
Specialist producers of										Pipes and fitti
Soil pipes, drain pipes and rain- water pipes (in- cluding gutters of all sizes),								, bangbi	anton Lindigi Dostana :-	Pipes not exc diameter and
and fittings therefor	14	1, 560	1, 129	1,018	2,035	588	89	677	500	Soil pipes, rain-water gutters of
Other cast iron pipes and fittings therefor	22	11, 399	10, 567	4,846	8,907	2,532	465	2,997	544	fittings
Cast iron stoves, grates and ranges (other than cook-			in the second						mitig	Gas pipes a
(other than cook- ing and washing boilers) for domestic cooking									225	Hot water p (excluding
and heating, and parts and fittings	5									Other water
For gas, electricity and liquid fuel	14	10,409	9,268	5,080	9,486	2,360	705	3,065	536	Other pipes and fittin
For coal and other solid fuel	52	10, 592	8, 120	6,368	11,057	2,944	642	3,586	576	Pipes exceeding and fittings
Remainder of the trade	768	79,405		49,539	87, 457	26,541	4,412	30,953	566	Implemented
Total	870	113, 366		66,850	118,942	34,965	6,314	41,278	562	Unclassified
						-		1		Radiators, incl and fittings (

# TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

IRON FOUNDRIES

# Larger establishments

Note - The particulars for 1948 relate only to goods of cast iron (including malleable iron); those for 1937 and 1935 may include goods of cast steel.

#### TABLE 8

	-	1948(a) Sales		1937 Produ	(b) ction	1935 Produ	(b) action
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£1000	No.	Th. tons	£1000	Th. tons	<u>ଛ</u> ା 000
Pipes and fittings, cast							
Pipes not exceeding 6 in. diameter and fittings therefor				****	19305 - 135 		
Soil pipes, drain pipes and rain-water pipes (including gutters of all sizes), and					ger swing.		
fittings	68.7	2,813	67	177.5	3, 347	156.0	2,541
Gas pipes and fittings	25.1	556	12	75.0	736	68.7	585
Hot water pipes and fittings (excluding radiators)	3.0	143	11	16.3	250	40.8	726
Other water pipes and fittings	40.7	914	33	145.9	1, 430	157.3	1,300(
Other pipes and fittings	161.0	4,344 800	40	10.3	181	8.0	115
Pipes exceeding 6in. diameter and fittings therefor	233.6	5,267	56	300.8	2, 718	240.9	1,855
Unclassified	13.2	528	18	1900 - 1997 	-		-
Radiators, including parts and fittings (other than gas radiators)	18.9	829	22	38.3	. 950(d)		(e)
						ing the	-
						and se	
						interna i	
DS 18451/1			The second				

3/ C/ 6

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

3/C/8		METAL	MANUFAC	TURE				1.47	TABLE 8 (contd.)	IR	ON FOUNDR	IES				3/C/9
TABLE 8 (contd.)	these series	to File	1948(a)	1 745 ) en 1 915 1 91	1937(b)	2011	1935 (b)		interestion of the second s	1948(a) Sales			1937(b) Productic	n	1935(b) Producti	
*	<u></u>		Sales	INC YOU	Producti	on	Product			Quantity	Value	Entries	Quantity	Value	Quantity	Value
the second frank state for	Quan		Value	Entries	Quantity	Value	Quantity	Value	and and the other and	Th. tons	£1000	No.	Th. tons	£'000	Th. tons	<u>ଛ</u> * ୦୦୦
Cast iron stoves, grates and	Thous. 7	h.tons	£1000	No.	Th. tons	£1000	Th. tons	£1000	Sanitary cisterns (flushing { tanks) of cast iron	10.4	613 100	} 30	19.3	502	16.4	365
ranges (other than cooking and washing boilers) for domestic cooking and heating, and parts									Baths of cast iron	48.8	3, 180	15	51.2	1,535	55.8	1, 472
and fittings For gas			1041,8 ×.						Other sanitary cast iron goods, enamelled or not (sinks, basins, lavatories, closets, etc.)	4.1	309	36	3.0	128	3.4	108
Complete		•		1		1960	apatarra.te		Builders' ironmongery of cast iron, not elsewhere specified	13.8	1,082	132	10.5	353 {	7.5	296 61
Cookers (other than heavy duty cookers and complete gas rings)	351	31.7 2.2	5,563 547 156	23		at a sid	Esure he	CALERAL CHAR	Hollow-ware of cast iron	4.5	387	26	4.7	191 {	2.1	106 12
Fires	184	2.3	430	17			1	-	Piano frames	1.0	78	6	2.8	71	3.1	67
Radiators and other space { heaters	40 3	0.8	244 19 258	11		in plane. 	to peake		Manhole covers, ventilation and coal covers, drain gratings and frames therefor, surface boxes							antrasaca -
	98	2.2	847		91.2	6,059	94.5	5,868	and the like	47.4	1,671	252	69.5	808	59.3	569
Hot water appliances {	13		100	} 21		(f)	the end	and strength	Other castings for roads and drainage	5.9	209 29	62	11.5	136	9.9	94
Parts and fittings for any { of the above		9.9	1,249 369	84				and the second	Ingot moulds and bottoms							
Heavy duty cooking appliances for hotels, hospitals, etc.		7.2	989	31		1800331	an		For steel	272.9	4,793	42	} 173.8	1, 468	121.3	743(g)
Other cast iron stoves, etc., for gas	0.	2.7	273	, · 15			ita sesser a i d	des la	For non-ferrous metals Railway chairs	13.8	356 2, 175	38 31	70.0	468 (g)	91.6	388 (g)
For electricity			and the second	0.23			28729.2	n Alexandre	Castings for locomotives, other	9.8	457	81	<b>`</b>	(h)		
Cookers	50 ••	4.8 0.6	952 113	9					than axles, tyres and wheels Castings for carriages and wagons, other than axles, tyres	9.0	40/	01	61.9	634(1)	67.3	528(1)
and here are is	Th. 1	tons	106.2	1 2.00	-	Ne lea			and wheels	28.9	862	67		and the second		100 200
Fires and hot water	0.	.1	14 50	9	} 14.1	718	9.2	491	Rolls for rolling mills	•• .	(j)	••	48.9	1,386	40.2	937
Parts and fittings and other cast iron stoves, etc.,						1.27128 2			Malleable iron castings, not included elsewhere				2012.1			
for electricity For coal and other solid fuel	4.	.2	394	29				122 BAR 122 BAR	Fittings for tubes	14.4	<b>2, 3</b> 62 569	} 50	14.4	1, 209	10.1	705(g)
Hot water boilers	22	.9	1,320	32	)				Other sorts	14.2	604 275	35	63.4	2,619	49.3	1,823
Other cast iron stoves, etc. for solid fuel	95	.7	9,376	137	167.2	5,032	153.4	4,232	Motor and cycle industry castings	1	104.2					1.500 100
For liquid fuel	2	.7	284 34	} 11	2.6	107	2.2	117	For cars and commercial vehicles (including castings for engines)	126.8	8,685	150				
Cooking and washing boilers, of cast iron (including portable boilers and furnace pans)	5.	.5	384 51	28	8.3	221	8.1	195	For cycles and motor cycles	5.5	556 60	44	•			
DS 18451/1			4						DS 18451/1	I	T	1.		1		

#### TABLE 8 (contd.)

		1948(a) Sales		1937(b) Production	1935(b) Producti	on
	Quantity	Value	Entries	Quantity Valu	le Quantity	Value
	Th. tons	£'000	No.	Th. tons £'00	00 Th. tons	£'000
Iron castings for domestic appliances, not elsewhere specified (e.g., refrigerators, irons, etc.)	9.0	545	88			tanar 1003 - tanar tanar tanar
Furniture trade castings, exclud- ing bedsteads	1.0	69	19	D aneres. Se es díns for	ant cash ying a shirt y and the	the manath Linkshap
Marine castings	59.7	3, 576	261			
Castings for prime movers for land	24.9	1, 548	113		de l'annagemente a	1999-1999-1999-1999-1999-1999-1999-199
Castings for boilers and boiler- house plant	26.6	1, 305	255	3 1		harman and a
Colliery castings	23.0	1, 234	260			a de la consecución de
Electrical engineering castings	45.1	2,967	297	and and and and and and	ALL TRACT ALLO	tental
Cases for small switch and fuse boxes, motor cases and similar castings	5.7	386	85	853.1 17,634	(k) 636.1	11, 196(k)
Castings for chemical and gas plant	18.9	1, 158	220			ogas classo
Textile machinery castings	34.5	2,013	283		1.4.4 (1.4.5 (1.7.4 (1.4.4)) (1.4.4)	there is constituting
Agricultural implement and { machinery castings	57.0	3,624 484	} 296			ito na. Con tak
Castings for machine tools, including jigs, tools and dies	98.4	5,432	447		and and a	
Castings for cranes, and lifting and conveying appliances	14.3	786	200		10-10-00-0	
Castings for iron and steel works plant (other than rolls)	54.9	1,908	208	1000 100 1000		
Cast iron bases for machines	2.6	165	57		belle and the	
Iron castings in the rough or machined, not elsewhere specified				per per	era Minero corri Anamorotes	
Engineering castings	145.1	8,485	511		in the second	
Other descriptions	35.2	1,868 252	} 178		2	
Unclassified iron castings	91.0	5, 195 490	} 353	-	the sport and to	
				tar periode a		
					Tite me se	
DS 18451/1						entra del.

TABLE 8 (contd.)

	1948 ( a) Sal es			1937(b) Producti		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
and the second strange was and the second strange was stranged at		£'000	No.	and a designable and the second second	<u>ଛ</u> ା ୦୦୦		ଛ' ୦୦୦
Work done for the trade or on commission (1)		373	23		38		18
Total		113, 484	••		50,929		37,513
Less sales (or production) in other trades (see Table 9)		12,883			3,603	anerkorin. er	2, 615
Total principal products of this trade sold or made by establishments in the trade		100,600	844		47, 326		<b>34,</b> 898

(a) Great Britain only.

(b) United Kingdom.

(c) Including radiators.
 (d) Described as "Radiators including parts and fittings".

(e) Not recorded separately.

(f) Excluding radiators.

(g) So far as recorded separately.
(h) Excluding railway companies which were not covered by the 1937 Inquiry. In 1935 the output of these (i) Excluding failway comparies which were not covered by the 1937 inquiry. In 1935 the output of the companies was £296,000 (73,200 tons).
(i) Output of unspecified railway material by firms classified to the Iron and Steel Foundries Trade.
(j) For the output of rolls for rolling mills in 1948, see the Mechanical Engineering (General) Trade (Vol. 4, Trade I).

(k) Recorded as: -

Iron castings in the rough or machined

Engineering castings

Other descriptions

(1) Amount charged in 1948 and amount received in 1937 and 1935.

3/C/10

#### IRON FOUNDRIES.

3/C/11

· · · ·

193	57	1935				
Th.tons	£'000	Th. tons	£! 000			
498.5	11,031	355.0	6, 688			
354.6	6,603	281.1	4, 508			

## METAL MANUFACTURE

Sales (or production) of principal products of the trade by

#### establishments classified to other trades

Larger establishments

TABLE 9

Pipes and fittings, cast Pipes not exceeding 6 in. diameter and fittings therefor		ntity tons	Value ۱۰۵۵	Entries No.	Quantity	Value	Quantity	Value	(other th boilers)
Pipes not exceeding 6 in. diameter and fittings therefor	Th.	tons	<u>ଛ</u> ା ୦୦୦	No.			1	Varue	heating,
Pipes not exceeding 6 in. diameter and fittings therefor			and the second	A REAL PROPERTY AND A REAL	Th.tons	£1000	Th.tons	£'000	For elec
diameter and fittings therefor			and a second				and a started	6130	Fires
			-				Decionity of	Contra Lines	Parts cast
Hot water pipes and fittings (excluding radiators)		_	-	Andrew Martin Barrison and	1			177 8 2 	elect
Soil pipes, drain pipes and rain-water pipes (including							nina bra an Dona Tr beci	10 (0) 20 (0)	For coal For liqu
gutters of all sizes), and fittings; gas pipes and fittings; and other water				hite gyray	1.8	72	2.1	47	Radiators, fittings
pipes and fittings	THE R	1.0	34		1010 C				cooking (includi
Other pipes and fittings	Y 10.00 Y	-	-						furnace goods, 1
Pipes exceeding 6 in. diameter and fittings therefor	o locale	-		1 0 1 1 1 1	2.1	63	1.4	26	tanks) a ironmong
Unclassified		2.6	169	11	_	-	-ma public		Hollow-wa
	Thous.	Th. tons							Contingo
Cast iron stoves, grates and ranges (other than cooking and washing boilers) for domestic		146145 14 15 15 15 15		Pentaun .			neo nori		Castings includin and coal frames the like
cooking and heating, and parts and fittings	13 39	5.5					18000		Ingot mou
For gas		.35.93		covietori	1.80/0000 5/00		astado sm	100 (E)	Railway
Complete									Castings
Cookers (other than heavy duty cookers and complete { gas rings)	1	0.2	28 15 156	••:	)				Castings
Fires; radiators and	91	1.7	748						other th
other space heaters; and thot water appliances	13	••	100 37	> 17					Rolls fo:
	Th	tons		2					Malleable included
Parts and fittings for any of the above		1.4	239 ි 202	} 19	0.3	21	0.9	52	Fittin
Heavy duty cooking appliances for hotels, hospitals, etc., and other cast iron stoves etc., for gas		1.8	172	J 7		-			Other :
S 18451/1									DS 18451,

TABLE 9 (contd.)

## Quantity Th.tons oves, grates and ranges a cooking and washing or domestic cooking and ad parts and fittings (contd.) icity d hot water appliances d fittings and other on stoves, etc. for city, including cookers 0.1 nd other solid fuel 3.4 fuel --ncluding parts and other than gas radiators); i washing boilers portable boilers and ns); cast iron sanitary Luding cisterns (flushing baths; and builders' 3.8 of cast iron ... of cast iron 0.3 roads and drainage, anhole covers, ventilation vers, drain gratings and efor, surface boxes and 4.3 •• and bottoms 16.2 rs 59.1 locomotives, other tyres and wheels 2.5 carriages and wagons, axles, tyres and wheels 2.8 lling mills on castings, not sewhere 3.2 or tubes ... 0.4

#### IRON FOUNDRIES.

1948(a) Sales		1937 ( Product	b) ion	1935 Product	(b) tion
Value	Entries	Quantity	Value	Quantity	Value
£1000	No.:	Th.tons	£1000	Th.tons	£† 000
_	-	7			2 Ster
		0.4	20	-	1
7	••				
247	11	3.5	98	2.3	59
-	-	0.1	4		-
	100	THE R	in the lat	the steam	Èpataans.
-					
293 51	}	2.7	75	2.7	71
39	6	2.0	110	1.4	69 12
	Ball .		· Charles I have		
204 16	22	3.3	53	4.4	52
356	, 5	-	_	-	-
798	14	_	-	73.2	296
87	5	}			
93	5				
	-	1.9	65	1.6	47
526	1				
527	} 18	2.8	311	0.5	25
32	6	1.5	61	1.6	55

## TABLE 9 (contd.)

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TABLE 9 (conta.)						·	
		1948(a) Sales		1937 Produc		1935 Produc	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th.tons	£1000	No.	Th.tons	£1000	Th.tons	£1000
Motor and cycle industry castings for cars and commercial vehicles (including castings for engines)	0.7	43	5				
Iron castings for domestic appliances, not elsewhere specified (e.g., refrigerators, irons, etc.)	0.2	16	10				
Marine castings	1.0	64	12				
Castings for prime movers for land	0.4	28	••				
Castings for boilers and for boiler- house plant	0.3	11	8				
Colliery castings	0.9	51	12				
Electrical engineering castings; and cases for small switch and fuse boxes, motor cases and similar castings	1.1	82	9				
Castings for chemical and gas plant	0.3	21	9				1 a track
Textile machinery castings	0.5	28	8			and the set	an and the second
Agricultural implement and machinery castings	1.4	81 4	} 11	> 156.4	2,650(c)	122.5	1,803(c)
Castings for machine tools, including jigs, tools and dies	1.0	47	12	12 23 kr.			Shinks
Castings for cranes, and lifting and conveying appliances	- 0.2	10	7			and St. order	The second
Castings for iron and steel works plant (other than rolls)	2.6	86	9				niestyset. Stocket
Cast iron bases for machines	-	1	•••			ACTOR AND	and a second
Iron castings in the rough or machined, not elsewhere specified							
Engineering castings	6.8	389	30		-		In the second
Other descriptions	14.7	849 208	67			UNIACO	No. Contraction
Unclassified iron castings	91.0	5, 195 490	} 353	-		197977 <u>-</u> 194999	- 0.5.0.7 <u>-</u>
Total	3	12,883	••	a de series de la companya de la com La companya de la comp	3,603		2,615
<ul> <li>(a) Great Britain only.</li> <li>(b) United Kingdom.</li> <li>(c) Recorded as: -</li> </ul>	1						1
		19	37	1935	5		
		Th. tons	£1000	Th.tons	۵00 ال		
Iron castings i rough or machi							
Engineering c	astings	14.2	274	14.3	194		

Other descriptions 142.2 2,376 108.2 1,609

		than princ
		Larger es
BLE	10	-
		1948(a) Sales

TA

ration and production	1948(a) Sales		1937 Produ		1935(b) Production	
Tauter I manager I water	Quantity	Value	Quantity	Value	Quantity	Value
Fencing materials (other than	Th.tons	£1 000	Th.tons	£1000	Th.tons	£1000
fencing wire) of cast or wrought iron	0.2	18	3.5	70	2.6	50
Railway material of iron and steel, including axles, tyres and wheels but excluding other iron castings for locomotives, carriages and wagons and railway chairs	21.1	655	17.3	270(c)	13.6	114(c
Doors and window frames and casements of iron and steel	1.1	75	4.0	188	2.7	119 (d
Cooking and washing boilers and			5.2		The series	
stoves and fires for domestic cooking and heating, other than { of cast iron	2.8	652 588	2.5	325(e)	3.8	500 <b>(</b> e
Gears and gear wheels	3.2	195	4.2	188		
Other machinery and appliances (including parts and accessories)		2, 473	•••	394	}	387
Rolls for metal rolling mills, of iron	7.0	313	-		-	-
Rolls for machinery other than metal working (sugar, flour, rubber, etc. mills), of iron	3.7	165		-	-	
Castings of non-alloy steel	19.1	1,698		2,494		1,465
Castings of alloy steel	2.2	412	59.6	2,494	45.1	1,405
Iron and steel forgings	0.5	33	3.9	120 {	1.8	55 6
Bedsteads of iron, complete and parts, including finished tubes	1.6	86				
Hollow-ware of wrought iron and steel	1.3	81	a ber aftail			
Hand tools and implements	••	352	and the			
Iron or steel fabricated (staircases, etc.) and temporary prefabricated steel house frame- { work and frame sections of steel {	3.6	249 61		389	•••	340
Stampings and pressings in the rough or machined, of iron and { steel	0.4 :	<b>33</b> 16				

-

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# IRON FOUNDRIES

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

## tablishments

TABLE 10 (contd.)

		8(a) les	1937 Produ	(b) action	1935 Produ	(b) ction
aber a strategy and strategy	Quantity	Value	Quantity	Value	Quantity	Value
	Th.tons	£1000	Th.tons	£1000	Th.tons	£1000
Refined pig iron	48.9	587				ant allerated
Other manufactures of iron and steel	••	703			Active and	tes da santist Logi santia Santi
Castings of brass and other alloys of copper	6.1	1, 537	5.8	676	3.9	378
Castings, stampings and pressings of aluminium	1.1	314	0.6	72	0.3	33(f)
Other manufactures of non- { ferrous metals	1.9	343 489	•••	282	••	128
Other goods	••	181	••!	212		171
Scrap metal sold	6					
Iron and steel	47.5	145	50.5	127	36.6	67
Other, including metallic { wastes, residues, etc. {	1.0	37 33	2.1	36	1.3	23
		Amount charged		Amount received		Amount received
Work done		£' 000		£'000		£1000
Iron and steel structural work (g)(h)	-	100		547	eals that are	- 404
General and jobbing engineering		826		483	foate gould	248
Other work		52		107	-	32
Total		13, 501		6,980		4,520

(a) Great Britain only.

(b) United Kingdom.

Points, switches and crossings, wheels and axles, spikes, sleepers, fishplates and soleplates. (C)

(d) Metal casements and window frames only.

Stoves of sheet iron, for domestic cooking and heating only. (e)

(f) Castings only.

(g) Carried out in Great Britain (1948) or in the United Kingdom (1937 and 1935).
(h) Value of work done during the year, exclusive of the value of goods used by firms and recorded as their output. The value of these goods was £98,000 for 1948; similar information is not available for 1937 and 1935.

TABLE II

Sales (or transfers) to other organis

Productive works

Export sales organisations (includi

Other wholesale or selling organisa

Retail shops, etc.

Total sales (or transfers) to oth same control

Sales to independent buyers

Exports invoiced directly overseas

Exports invoiced to Crown Agents an country of individual firms and go

His Majesty's Government and Local productive establishments)

Manufacturers, repairers, builders, transport and other productive und

Wholesalers, merchants and other ag

Retailers, including multiple shops resale

Other businesses (including farmers kinds

Members of the public, including em

Total sales to independent buyer

#### Total

- for other sales.

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### IRON FOUNDRIES

#### Analysis of sales, 1948

Larger establishments in Great Britain

	Sales	Percentage of total sales
	٤' 000	
sations under the same control	all and a spinor of	
	12,355	11.0
ing branches abroad)	161	0.1
ations	3, 417	3.0
, " mary unit	9	ann stare -
ner organisations under the		
	15,941	14.2
and here and	inner 200 andro 11	
antes langes .	3,922	3.5
nd purchasing houses in this overnments abroad	1,723	1.5
Authorities (other than	6,958	6.2
, mines, public utilities, and dertakings	62, 525	55.5
gents for resale	17,062(a)	15.1
s, caterers and N.A.A.F.I., for	3,892	3.5
s) and institutions of all	505	0.4
mployees	125	0.1
rs	96,711	85.8
	112,652(b)	100.0
		A CONTRACTOR OF A CONT

(a) Of this total £12,846,000 was recorded as divided between £2,138,000 for export and £10,708,000

(b) This total represents the total shown in Table 23 (£114, 102,000), less the total value of work done (£1,351,000) and the value of goods used by firms in iron and steel structural work carried out in Great Britain and recorded as their output (£98,000).

#### METAL MANUFACTURE

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

Note - The figures of sales in 1948 relate to goods of cast iron (including malleable iron); the figures of production for sale in 1937 may include goods of cast steel. The oversea trade figures (except those for "other sanitary cast iron goods") relate to goods of iron and steel.

TABLE 12

- anto-		Production (b) (c)	Exports (d)	Retained imports (e)
		Th. tons	Th. tons	Th. tons
Pipes and fittings, cast				
Pipes not exceeding 6 in. diameter and fittings therefor		All and the second	e sette of these	- 1919 - 1819
Soil pipes, drain pipes and rain-water pipes (including gutters of all sizes), and fittings (f)(g)	${1948 \\ 1937}$	68.7 177.5	8.6 14.1	
Gas pipes and fittings (f)	${1948 \\ 1937}$	25.1 75.0	1.8 1.9	- 0.4
Other water pipes (including hot water pipes but excluding radiators) and fittings (f)	${ \\ 1948 \\ 1937 }$	43.7 162.2	36.3 34.4	
Other pipes and fittings (f)	{1948 1937	190.6 (h) 10.3	16.6 7.1	0.1 0.5
Fittings for pipes not exceeding 6 in. diameter	${1948 \\ 1937}$	••	2.4 3.3	0.6
Pipes exceeding 6 in. diameter and fittings therefor	${ { 1948 \\ 1937 } }$	233.6 300.8	61.0 (1) 47.7 (1)	0.2 (1) 0.2 (1)
Total pipes and fittings, cast	${1948 \\ 1937}$	574.8 (h) (j) 725.8	126.8 108.5	1.0 1.9
Radiators, including parts and fittings (k)		£'000	£' 000	£' 000
For gas	1948	520 (l) (m)	19 (m)	
Other	1948	829	221	
Total radiators, including parts and fittings	{1948 {1937	1,349 (m) 950	240 (m) 91	3 •• 32
Cast iron stoves, grates and ranges (other than cooking and washing boilers) for domestic cooking and heating, and parts and fittings		Th. tons	Th. tons	Th. tons
For gas		and service and		No. Longitude (
Heavy duty cooking appliances for hotels, hospitals, etc.	1948	7.2	0.1	
Other cookers, stoves, etc., except radiators and other space heaters	1948	37•4 (h)(l)	2.3	
Fires, complete	1948	2.3		
Hot water appliances	1948	2.5 (h) (1)	0.5	
Total for gas (including parts and fittings)	{1948 1937	62.1 (h)	0.1 3.0	
		91.2	2.6	0.1

#### TABLE 12 (contd.)

Retained Production (b) (c) Exports (d) imports (e) Th. tons Th. tons Th. tons  ${1948 \\ 1937}$ 118.5 9.6 0.1 For coal and other solid fuel 167.2 8.0 0.6 \$1948 4.0 (h) 1.9 For liquid fuel -1937 2.6 0.3 0.2 1948 0.3 (n) 6.3 (h) .. (including portable boilers and furnace pans) [1937 8.3 1.5 Sanitary cisterns (flushing tanks) 1948 12.1 (h) 1.6 of cast iron 11937 3.6 19.3 (1948 5.4 48.8 1937 51.2 8.3 (1948 4.1 0.8 closets, etc. ) 1937 3.0 0.4 0.1 { 1948 1937 4.5 2.8 5.3 0.4 drain gratings and frames therefor, surface {1948 boxes and the like {1937 47.4 1.6 .. 69.5 1937 1.8 { 1948
1937 18.0 (h) 2.8 14.4 2.3 2.1

Cast iron stoves, grates and ranges (other than cooking and washing boilers) for domestic cooking and heating, and parts and fittings (contd.) Cooking and washing boilers of cast iron Baths of cast iron (o) Other sanitary cast iron goods, enamelled or not (sinks, basins, lavatories, Hollow-ware of cast iron Manhole covers, ventilation and coal covers, Malleable cast iron fittings for tubes

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

- (c) (d) (e) (f) (g) (h) (1) (j) (k) Partly estimated.
- Including gutters.
- (1) (m) Excluding parts and fittings.
- Including other space heaters for use with gas. (n) (0)
- description commonly used for domestic purposes.

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

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

The oversea trade figures are exclusive of fittings. The oversea trade figures relate to "Rainwater and soil pipes (including gitters)."

Including 13,200 tons of unclassified pipes and fittings, cast. The oversea trade figures for both years include boilers for central heating, except, for 1948 only, sectional boilers for steam.

Excluding boilers for use with gas. The oversea trade figures relate to baths of iron and steel, other than wrought enamelled baths of a

#### METAL MANUFACTURE

#### Purchased materials and fuel

Larger establishments

TABLE 13

TABLE TO	and a good					Participation of the second second	Part . Carter
		1948 (a	.)	1937 (b	)	193	55(b)
		Materials and fuel purchased		Usage	Usage of purchased materials and fuel		
and the second sec		Quantity	Cost	Quantity	Cost	Quantity	Cost
		Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials			and the second		SAL STREET		
Pig iron		1,576.5	15,492	1,762.7	8,240	1,446.8	5,134
Iron and steel scrap		725.2	3,528	827.1	3,160	644.9	1,670
Steel ingots	alle e	3.3	29	4.6	34		(c)
Ferro-alloys				Passing Law	terner a distante	ation and a state	
Ferro-silicon		5.7	179		and the second second		
Ferro-manganese		1.6	40		1991 201	atore treat	a and the
Ferro-chrome		0.7	51	sitteration of	Server, Berry S.		C. C. Hay
Other ferro-alloys		2.2	100			•	
Alloying materials		1.2	106		- Speed		and hit
Slag making materials or fluxes		54.4	73	and share as	Constant of the second		A Company
Steel making refractories	{	3.8	16 2	e ann sandaran •			
Soda ash		1.7	16			CONTRACTOR OF	
Moulding sand		677.7	662				
Organic bonds		16.6	669	}	9.694	••	7,620(d)
Inorganic bonds	{	12.5	201 21				
Moulding boxes	{	3.2	90 139		,		
Firebricks and similar refractories	{	49.9 ••	210 198				
Grinding wheels	{	0.6	54 205				
Welding rods	ł	0.1	8 18				
Packing materials		••	513				
All other purchased materials		••	17,492				
Unclassified materials		••	1,117	-	-	-	
NS 18451/1							

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and the state

Ser Car

	1948	(a)	1937	(ъ)	1935	(ъ)	
toon 20 marca		Materials and fuel purchased		Usage of purchased mat and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost	
-	Th. tons	٤'000	Th. tons	£1000	Th. tons	£'000	
uel and electricity							
Coal	337.2	907	469.1	487	424.3	386	
Coke	628.4	2,929	590.4	1,108	472.8	726	
Electricity purchased (e)	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	per elle	
From public supply	225, 232	958	Donta (pather	er and de	i engli i entre da	arte isas	
From other sources	5,871 -	25	arten ora	12013200	le de problèmes Lors gratiques		
Electricity obtained from other works - under the same ownership	26,768	103	217,801	603	151,937	451	
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.		Th. galls.		
Used for road vehicles	1,038	102		(c)		(c)	
Used for other power purposes	356	17		C.	10-2012 July 34		
Other oil fuel (including creosote/pitch mixtures)	6,453	249	7,609	135( <b>f</b> )	7,860	134(	
Gas purchased	Th. therms 8,123	299	h	and the second second		¥.	
From public supply	Th. cu. ft.	299					
the second s	148,288	17					
And the second second	Th. therms 1,466	20	and of such	tang ara	ting sublid	i anterio	
From other sources	Th. cu. ft. 200,309	11		247		(c)	
Gas obtained from other works under	Th. therms	1					
the same ownership	Th. cu. ft. 1,067,622	26 7			Serve 1993	e añs er	
All other purchased fuel		40					
Total		46,940	,	23,708		16,121	

(a) Great Britain only.
(b) United Kingdom.
(c) Not recorded separately.
(d) Including fuel not specified separately.
(e) The total quantity of electricity consumed in 1948 was 268,824,000 B.T. units, including 10,953,000

generated in the same works. (f) Described as "Heavy fuel oil".

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### IRON FOUNDRIES

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3/c/22

METAL MANUFACTURE

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

TABLE 14

all family and a star of parts	At beginnir	ng of year	At end	of year
	Quantity	Value	Quantity	Value
	Th. tons	£1000	Th. tons	£'000
Finished products				
Soil pipes, drain pipes and rain-water pipes (including gutters of all sizes), not exceeding 6 in. diameter, and fittings therefor.	5.3	125	6.8	166
Pipes exceeding 6 in. diameter and fittings therefor	34.8	586	36.6	696
Cast iron stoves, grates and ranges (other than cooking and washing boilers) for domestic cooking and heating, and parts and fittings	·		antalian 	
For gas	2.2	154	3.2	230
For coal and other solid fuel	9.5	299 129	10.0	380 156
Bathes of cast iron	0.8	27	1.3	49
Ingot moulds and bottoms	5.0	63	6.4	. 92
Other finished products	••	1,536	·	1,943
Work in progress		2,982	A CONTRACTOR OF A	3,592
Unclassified finished products and work in progress		282		354
Total finished products and work in progress		6,184		7,659
Materials and fuel				
Pig iron	133.6	1,205	140.1	1,366
Iron and steel scrap	88.1	396	109.2	510
Coal	36.0	86	36.1	92
Coke	49.8	212	62.4	281
Other descriptions of materials and fuel	••	4,242	••	4,917
Unclassified materials and fuel	••	'438	••	885
Total materials and fuel	and at some	6, 579		8,050

Employment and remuneration (a)

TABLE 15

TADEL 15									
	Average number of operatives				rative tec ical emplo			Total	
	1948(c)	1937(d)	1935 (d)	1948(c)	1937 (d)	1935(d)	1948(c)	1937 (d)	1935(d)
Males	and and	1923.000	Terral	1					
Under 18	5,134	14,509	12,054	519	1,040	708	5,653	15, 549	12,762
All ages	94,751	110, 297	94,296	10.046	9, 125	8,109	104,797	119,422	102,405
Females					· ·		3.0 - SP 1	all com	All Sector
Under 18	848	2,276	1,939	947	690	386	1,795	2,966	2, 325
All ages	9,475	6,695	5,907	4,498	2,965	2,430	13,973	9,660	8,337
Total							12		
Under 18	5,982	16,785	13,993	1,466	1,730	1,094	7,448	18,515	15,087
All ages	104,226	116,992	100, 203	14,544 (e)	12,090	10,539	118,770 (e)(f)(g)	129,082	110,742
	£'000			£1000			£'000		
Total remuneration	23,965		••	6,314	••	••	41,278	••	

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers Other workers

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

(c) Great Britain only.

(d) United Kingdom.

 (e) There were, in addition, 172 working proprietors (165 males and 7 females) in 1948. Working proprietors are included in the 1937 and 1935 figures. The employer's share of contributions to all National Insurance Schemes payable during the year in (f) respect of these workers amounted to £954,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

Transport of goods outside the premises

Maintenance and repair of firms' buildings, but not plant

Research work not directly connected with current production however charged

In addition to the employees in the above table the firms in this trade employed 6 male and 24 female outworkers in 1948, the amount paid to them being £2,000. Similar information is not available for 1937 and 1935.

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IRON FOUNDRIES

Larger establishments

47 males 275 males 809 females 99 females

Administrative, technical and clerical employees

224

Operatives

631

47

74

3/c/23

#### METAL MANUFACTURE

# Wages and salaries paid, 1948 (a) Larger establishments in Great Britain

#### TABLE 16

	Amount	Establishments making returns for the calendar year							
	paid		Percentage of annual remuneration paid in						
	by all establish- ments	ablish- paid		Second quarter	Third quarter	Fourth quarter	Year		
	. £1000	£1 000	THE						
Wages and salaries of							La luxor		
Operatives	34,965	17,769	24.0	24.9	24.3	26.8	100.0		
Administrative, technical and clerical employees	6, 314	3, 236	23.7	24.7	24.6	26.9	100.0		
							in the second second		
Total	41,278	21,004	24.0	24.8	24.4	26.8	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 £1,048,000.

Payments for certain services, 1948

Larger establishments in Great Britain

#### 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 periodica

Other advertising services (poster display, despat circulars, etc.) and market research

Unclassified

Payments made for research work

To research associations

To universities, institutions, academic bodies and

To other commercial concerns

Postage, telephone, telegrams and cables

Commercial insurance premiums

Rates (excluding water rates) payable in the year

#### IRON FOUNDRIES

	Amount paid
	£1000
	400
	619
	783
	155
and the second second second	
als	79
tch of	28
	129
	24
i similar agencies	. 10
transition rought	67
	208
and it ballicons three correct	357
Electrony Deal Char apparents	142

#### METAL MANUFACTURE

# Plant, machinery and vehicles acquired and disposed of, 1948

#### Larger establishments in Great Britain

-		10	
1 7			1997
		19	1000

1002	Acqu	Acquisitions		
	New	Second-hand	D1sposals	
	£1000	£'000	£'000	
Plant and machinery	2,458	282	87	
Vehicles	219	78	38	
Total	2,676	360	125	

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

#### Larger establishments in Great Britain

C man		-	1	-	2	-
0.801 (2)	А	к			7	$\mathbf{n}$

	£1000	£1000
1. Capital expenditure on building work (a)		932
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	125	
Estimated capital value of		
<ul><li>(11) Rented property newly occupied in the year (c)</li></ul>	79	
(111) Leasehold buildings and land newly occupied in the year	95	
Total of heading 2		299
Total of headings 1 and 2		1,231
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	2	
(11) Estimated value of other properties relinquished	18	•
Total of heading 3		20
4. Headings 1 and 2 less heading 3		1,211

(a) Excluding site value which, where appropriate, is included in heading  $\mathcal{Z}(1)$ .

The figures do not reflect changes in ownership of previously occupied land and buildings. (b) Property which is occupied under an agreement for the payment of rent without the purchase of a (C) lease or the payment of a premium.

(d) Including property destroyed or abandoned.

# TABLE 21

Gross	output	(production)
01000	Jucpus	(producoron)

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

Gross output (production)

Materials and fuel used by firms in thi trade

Furchases (see Table 24)

Adjustment for changes in stocks

Materials and fuel used

DS 18451/1

# IRON FOUNDRIES COUNTRY TABLES

3/C/27

# 1948

# Summary Larger establishments

#### Great Britain England Wales Scotland £'000 £'000 £'000 £'000 93,216 3,513 16,637 113, 366 37,742 1.719 6,007 45,468 853 26 169 1,048 54,621 1,768 10,461 66,850 33,862 1.247 6.169 41,278 No. No. No. No. 96,178 3,613 19,151 118,942 S S. S. G 568 489 546 562 £'000 £'000 £'000 £'000 6,592 145 921 7,659 6,795 211 1,045 8,050 No. No. No. No. 736 32 102 870

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

	England	Wales	Scotland	Great Britain
	£1000	£'000	£1000	£! 000
	93,735	3, 543	16,824	114,102
	+ 1,272	+ 12	+ 191	+ 1,475
	95,007	<b>3,</b> 554	17,014	115, 576
firms	1,791	42	377	2, 210
	93,216	3, 513	16,637	113, 366
is				
	38,944	1,788	6,207	46,940
-	- 1,203	- 70	- 200	- 1,472
,	37,742	1,719	6,007	45, 468

### METAL MANUFACTURE COUNTRY TABLES

Summary

Small firms

		-		-	-
Т	л	R		- 7	.,
200 million (* 193	m			-	6

3/C/28

	England	Wales	Scotland	Great Britain
Number of returns	174	7	14	195
Average number of persons employed (a)				
Males	1,054	48	80	1, 182
Females	80	2	5	87
Total	1, 134	50	85	1, 269

(a) Including working proprietors.

	England and Wales		Scotl	and	Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	. £1 000	Th. tons	£!000	Th. tons	£1000
rincipal products		-			antes antes	C DATE
Pipes and fittings, cast						
Pipes not exceeding 6 in. diameter and fittings therefor				-		
Hot water pipes and fittings (excluding radiators)		(a)	- THE -	(a)	3.0	143
Soil pipes, drain pipes and rain-water pipes (including gutters of all sizes), and fittings; gas pipes and fittings; and other water pipes	1994.0			2022 2022 2022		
and fittings	94.0	2, 655	39.5	1, 593	133.5	4, 248
Other pipes and fittings	153.3	3,995 800	7.7	348	161.0 ••	4, 344 800
Pipes exceeding 6 in. diameter and fittings therefor	229.4	5,079	4.1	187	233.5	5,267
Unclassified		(a)		(a)	10.6	360
·		(2)	••	a factoriante	Thous.	500
Cast iron stoves, grates and ranges (other than cook- ing and washing boilers) for domestic cooking and heating, and parts and fittings	5456 A		9-53 			
For gas			p.t 1		a second	
Complete				arniero am		
Cookers (other than heavy duty cookers and complet gas rings)		(a)		(a) {	350 31.5 2.1	5, 534 531
Fires; radiators and	NR A			C	an and the state	
other space heaters; and hot water appliances		(a)		(a) {	231 3.5 3 	773 19 221
Parts and fittings for any of the above	7.5	839 166	1.0	172	Th. tons 8.5	1,010 166

IRON FOUNDRIES COUNTRY TABLES

3/C/29

# Sales in the trade

Larger establishments

#### METAL MANUFACTURE COUNTRY TABLES

TABLE 23 (contd.)

TABLE 23 (CONTO <sub>n</sub> )	England	and Wales	Scot	land	Great Br	ritain	nite the sense	T
	Quantity	Value	Quantity	Value	Quantity	Value	asset i stated solar	
2.200 FTE 10990	Th. tons	s.' 000	Th. tons	s.'000	Th. tons	£!000		T
Principal products (contd.)	122 222 M	R. Land	No. of the second se	and the second			Principal products (contd.)	
Cast iron stoves, grates and ranges (other than cooking and washing boilers) for domestic cooking and heating, and parts and fittings (contd.)			gret di				Malleable iron castings, not included elsewhere Fittings for tubes	
For gas (contd.)				184	ALE STREET	a summer and and a summer of	Other sorts	1
Heavy duty appliances for hotels, hospitals, etc., and other cast iron stoves etc., for gas	5.7	816	2.3	274	8,0	1,091	Motor and cycle industry castings	
For electricity		404		Annal of the		1,001	For cars and commercial vehicles (including castings for engines)	
Fires and hot water appliances		(a)	••	(a) {	0.1	14 50	For cycles and motor cycles	
Parts and fittings and other cast iron stoves, etc., for electricity, including cookers	8.7	1, 269	1.0	183	9.6	1,452	Iron castings for domestic appliances, not elsewhere specified (e.g., refrigerators,	
For coal and other solid fuel	68.6	6,033	46.5	4, 417	115.1	- 10, 450	1rons, etc.) 🚅	
For liquid fuel	••	(a)		(a) {	2.7	284 34	Furniture trade castings, excluding bedsteads	
Radiators, including parts and fittings (other than gas radia- tors); cooking and washing boilers (including portable boilers and furnace pans); cast iron sanitary goods, including cisters (fluction		918 M.	. 54855			Of	Marine castings Castings for prime movers for land Castings for boilers and boiler-house plant	
including cisterns (flushing tanks) and baths; and builders ironmongery of cast iron	72.8	4,453 100	24.9	1,651	97.7	6, 104 100	Colliery castings	
Hollow-ware of cast iron	••	(a)		(a)	4.2	348	Electrical engineering castings; and cases for small	
Piano frames	1.0	78	_	-	1.0	78	switch and fuse boxes, motor cases and similar castings	
Castings for roads and drainage, including manhole covers, ventilation and coal covers.				Name and -	esiste basers found		Castings for chemical and gas plant	
drain gratings and frames there- for, surface boxes and the like	41.3	1, 339 12	7.6	337 1	49.0	1,676 12	Textile machinery castings	
Ingot moulds and bottoms	••	(a)	••	(a)	270.5	4,793	Agricultural implement and machinery castings	
Railway chairs		(a)		(a)	87.6	1, 377	Castings for machine tools,	
Castings for locomotives, other than axles, tyres and wheels	6.0	287	1.2	82	7.3	370	including jigs, tools and dies	
Castings for carriages and wagons, other than axles, tyres	0.1					-	Castings for cranes, and lifting and conveying appliances	
and wheels	••	(a)	••	(a)	26.1	768		
DS 18451/1					The second second		DS 18451/1	

# IRON FOUNDRIES COUNTRY TABLES

England and Wa

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Quantity Th. tons

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TABLE 23 (contd.)

3/0/30

		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	(202000)	
ales	Scot	land	Great E	Britain
alue	Quantity	Value	Quantity	Value
000	Th. tons	£! 000	Th. tons	£.º 000
836 42 571 275	- - -	- {	11.2 •• 13.8 ••	1,836 42 571 275
637	0.1	4	126.1	8, 642
556 60	-	{	5.5	556 60
475	0.8	54	8.8	529
69	-	, 10 <del>,</del> 80	1.0	69
747	29.7	1,765	58.7	3, 512
449	0.8	71	24.5	1, 520
053	4.5	240	26.4	1, 294
961	4.6	222	22.1	1, 183
	5.2 2	and as a s	and Desiring	
012	4.1	259	49.7	3, 271
034	1.4	102	18.6	1,136
902	1.4	83	34.0	1,985
275 480	4.8	268 {	55.6	3, 544 480
104	5.2	28.2	97.4	5, 385
658	2.6	117	14.1	776
			-	SALE2-511-55

## METAL MANUFACTURE COUNTRY TABLES

# TABLE 23 (contd.)

3/C/32

	England and Wales		Scotl	and	Great Britain		
internet and	Quanti ty	Value	Quantity	Value	Quantity	Value	
	Th. tons	s:1000	Th. tons	£1000	Th. tons	s.' 000	
Principal products (contd.)						and a later	
Castings for iron and steel works plant (other than rolls)	. 47.2	1,655	5.2	<b>1</b> 66	52.4	1,821	
Cast iron bases for machines	••	(a)	••	(a)	2.6	163	
Iron castings in the rough or machined, not elsewhere specified	•		9-2-4			-2.20	
Engineering castings	125.9	7,316	12.5	780	138.4	8,096	
Other descriptions	17.3	812 43	3.2	207	20.5	1,019 43	
Work done for the trade or on commission (b)		360	1- 10, NOI - 1	13		373	
Total principal products		84,703		15,898		100,600	
Other output				5 13 54.0		1000	
Fencing materials (other than fencing wire) of cast or wrought iron	0.2	15		3	0.2	18	
Railway material of iron and steel (other than railway chairs, and castings for locomotives, carriages and						antinite charge carries	
wagons (except axles, tyres and wheels) of iron)		(a)	••	(a)	21.1	655	
Doors and window frames and casements of iron and steel	0.7	48	0.4	26	1.1	75	
Cooking and washing boilers and stoves and fires for domestic cooking and heating, other than of cast iron	2.8	652 588	· ·	- {	2.8	652 588	
Gears and gear wheels	· .	(a)	••	(a)	3.2	195	
Other machinery and appliances (including parts and accessories)	••	2, 414	••	58		2, 473	
Rolls for metal rolling mills, of iron	••	( a)	••	(a)	7.0	313	
Rolls for machinery other than metal working (sugar, flour, rubber, etc. mills), of iron	1.5	85	2.2	80	3.7	165	
Castings of non-alloy steel	17.6	1, 522	1.5	177	19.1	1, 698	
Castings of alloy steel	2.2	412	A	4.3	2.2	412	
Iron and steel forgings	••	(a)	••	(a)	0.5	33	
DS 18451/1			1			And Andrews	

TABLE 23 (contd.)	
	E
	(
	ŋ
Other output (contd.)	
Bedsteads of iron, complete and parts, including finished tubes	
Hollow-ware of wrought iron and steel	
Hand tools and implements	
Iron or steel fabricated (stair- cases, etc.) and temporary prefabricated steel house frame- work and frame sections of steel	
Stampings and pressings in the rough or machined, of iron and steel	
Refined pig iron	
Other manufactures of iron and steel	
Castings of brass and other alloys of copper	
Castings, stampings and pressings of aluminium	
Other manufactures of non-ferrous	
Other goods	
Scrap metal sold	
Iron and steel	
Other, including metallic wastes, residues, etc.	
Work done (b)	
Iron and steel structional work (c)	
General and jobbing engineering	
Other work	
Total	
<ul> <li>(a) Owing to the risk of disclosure</li> <li>be given.</li> <li>(b) Arount abarred</li> </ul>	0

DS 18451/1

# IRON FOUNDRIES COUNTRY TABLES

3/C/33

England an	d Wales	Scotl	and	Great Britain			
Quán tỉ ty	Value	Quantity	Value	Quantity	Value		
Th. tons	£'000	Th. tons	a. tons £1000 Th. ton		£1000		
		A second and the second second					
					and the second second		
1.6	86			1.6	86		
	Lenne 1		1	a line other	C. T.		
1.3	81	-	-	1.3	81		
••	(a)	••	(a)	••	352		
		- linit		-15-15-15-15-15-15-15-15-15-15-15-15-15-			
1.2	74 15	2.4	175 45	3.6	249 61		
			10	a strange and the			
	(a)		(a) {	0.4	33		
48.9	587			•• 48.9	16 587		
40.9	007			40.0	D07		
	(a)	••	(a)	••	703		
5.6	1, 387	0.6	149	6.1	1, 537		
1.1	310	-	4	1.1	314		
1.9	343	1	5	1.9	343		
••	489	-	- 1		489		
••	173	••	8	••	181		
	CTT						
42.4	127	5.1	19	47.5	145		
0.9	36 33	-	1	1.0	37 33		
ale alere			L				
service a		The second second					
	95		5		100		
	50-5				800		
	795	and the	31		826		
	7	Contraction of the	46		52		
	97, 278		16,824		114, 102		
and the second s	and the second	Second		the second se	Construction of the second		

f information relating to individual firms, separate figures cannot

(b) Amount charged.
 (c) Value of work done during the year exclusive of the value of goods used by firms and recorded as their output. The value of these goods was £98,000 for Great Britain; £81,000 for England and Wales, and £17,000 for Scotland.

# METAL MANUFACTURE COUNTRY TABLES Purchased materials and fuel Larger establishments

TABLE 24

TADEL 24	Service and the service of the servi					
	England a	and Wales	Scotl	Scotland		ritain
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	21 000	Th. tons	£1000	Th. tons	£'000
Materials				1990 X 1990. 916 - 916 Y 2015		
Pig iron	1,357.9	13,276	218.6	2,216	1,576.5	15,492
Iron and steel scrap	639.9	3,082	85.3	446	725.2	3,528
Steel ingots		(a)	•• ,	(a)	3.3	29
Ferro-alloys				ALT TO THE		alter a
Ferro-silicon	5.1	163	0.6	16	5.7	179
Ferro-manganese	1.5	37	0.1	4	1.6	. 40
Ferro-chrome	0.7	51	-	1	0.7	51
Other ferro-alloys	1.8	92	0.4	8	2.2	100
Alloying materials	1.1	105	-	2	1.2	106
Slag making materials or fluxes	47.9	52	8.5	21	56.4	73
Steel making refractories	3.6	15 1	0.2	1 1	3.8	16 2
Soda ash	1.7	16		· martin to	1.7	16
Moulding sand	602.2	570	75.5	92	677.7	662
Organic bonds	15.0	602	1.6	67	16.6	669
Inorganic bonds	11.7	186 21	0.8	15 1	12.5	201 21
Moulding boxes	2.8	79 134	0.5	10 6	3.2	90 139
Firebricks and similar refractories	42.4	154 172	7.5	57 26	49.9	210 198
Grinding wheels	0.6	47 185		7 20	0.6	54 205
Welding rods	0.1	6 15		2 3	0.1	8 18
Packing materials		386		127		513
All other purchased materials	••	15,157		2,335	1.16578	17,492
Unclassified materials		1,110		6	••	1,117
Fuel and electricity				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	antipolita Ista	1 Participant
Coal	291•3	782	45.9	125	337.2	907
Coke	553.2	2,577	75.2	352	628.4	2, 929
	land is and	Liv: Jolim	170			07 (5)
	and the second second		and the second state			
	1	1941 (ME) (294)	n here blanks and	and the second		

# TABLE 24 (contd.)

	England ar	nd Wales	Scotla	nd	Great Britain		
	Quantity	Cost	Quantity	Cost	Quantity	Cos	
	Th. B.T.U. (KW. hrs.)	£'000	Th. B.T.U. (kW. hrs.)	. £! 000	Th. B. T.U. (KW. hrs.)	£100	
el and electricity (contd.)							
Electricity purchased (b)							
From public supply	20 2, 835	848	22,397	110	225, 232	95	
From other sources	5,871	25	-	·	5,871	2	
Electricity obtained from other works under the same ownership		(a)		(a)	26,768	10;	
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.		Th. galls.		
Used for road vehicles	918	91	120	11	1,038	102	
Used for other power purposes	••	(a)	••	(a)	356	17	
Other oil fuel (including creosote/pitch mixtures)	5,169	202	1, 284	47	6,453	249	
Gas purchased	Th.therms		Th. therms		Th. therms		
From public supply	7,243 Th. cu.ft. 145,602	272	880 Th. cu.ft. 2,686	27 -	8,123 Th. cu.ft. 148,288	299	
From other sources	Th. therms 1,466 Th. cu.ft. 200,309	20 - 11	-		Th. therms 1,466 Th. cu.ft. 200,309	20	
Gas obtained from other works under the same ownership		(a)	•••	(a)	Th. therms 23 Th. cu.ft. 1,067,622	1 26 7	
All other purchased fuel	••	27	••	13	*	40	
Total		40,733		6,207	and the same side	46,940	

# METAL MANUFACTURE COUNTRY TABLES

#### Employment and remuneration

# Larger establishments

TABLE 25

70							and the second	and the second second		
	England	1 and Wales	-	1	Scotland		Great Britain			
	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	
Males				-						
Under 18	4,022	424	4,446	1,112	95	1,207	5,134	519	5,653	
All ages	79,070	8,436	87,506	15,681	1,610	17,291	94,751	10,046	104,797	
Females								and the second		
Under 18	722	757	1,479	126	190	316	848	947	1,795	
All ages	8,336	3,808 -	12,144	1,139	690	1,829	9,475	4,498	13,973	
Total		and a second		100	and share and					
Under 18	4,744	1,181	5,925	1,238	285	1,523	5,982	1,466	7,448	
All ages	87,406	12,244(b)	99,650 (b) (c)	16,820	2,300(b)	19,120 (b)(c)	104,226	14,544(b)	118,770 (b) (c)	
	£1000	£'000	£'000	£' 000	٤' 000	£'000	£'000	£1000	£'000	
Total remuneration	29,698	5,411	35,109	5,267	902	6,169	34,965	6,314	41,278	

(a) Number at September 25, 1948.
(b) There were, in addition, 172 working proprietors (165 males and 7 females) in Great Britain; 134 males and 7 females in England and Wales, and 31 males in Scotland.)
(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £954,000; £797,000 for England and Wales, and £156,000 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 nu	Total amount			
	Males Females		Total	paid to outworkers	
				£'000	
England and Wales	6	24	30	2	
Scotland		-	-	-	
Great Britain	6	24	30	2	

2

#### TABLE 26

	Mc	nthly index	(a)		Monthly index (a)			
Month	England and Wales	Scotland	Great Britain	Month	England and Wales	Scotland	Great Britain	
1948				1948				
January	97.9	101.3	98.6	August	100.6	99.1	100.3	
February	98.4	101.7	99.1	September	100.4	99.0	100.1	
March	98.7	102.1	99.5	October	100.8	98.9	100.4	
April	99.5	102.1	100.1	November	101.5	98.7	100.9	
May	99.9	100.6	100.1	December	101.1	98.3	100.5	
June	100.4	100.3	100.4	Percentage employ-				
July	100.6	97.9	100.1	ment in this trade covered by the index	48.5	67.1	51.5	

(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.

IRON FOUNDRIES COUNTRY TABLES.

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

3/0/37

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