This Report on the Shipbuilding and Marine Engineering Industry relates to establishments engaged wholly or mainly in building or repairing ships (naval and merchant), boats, barges, lighters, etc of all types and sizes, whether self-propelled or not; making oars, masts and spars, rigging and other tackle and ships' models, off-shore oil and gas drilling rigs (floating); manufacturing and repairing main and auxiliary steam (reciprocating and turbine) engines for ships and marine boilers. The manufacture or repair of internal combustion engines for ships and boats (including out-board motors) is included, as indicated below, if carried out at marine engineering establishments. The manufacture of ships' capstans and winches is excluded.

This industry corresponds to minimum list heading 370 in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census. The definition of this industry however is unchanged from the last detailed Census of Production for 1963 in which it was reported (Part 61).

METHOD OF CLASSIFICATION

In classifying returns to this industry the standard procedure as outlined in the notes on page (i) was modified so that when sales of marine internal combustion engines and marine gas turbine engines were reported as the most important items of output and they were not accompanied by sales of any other principal products of the industry, the return was classified to the Industrial Engines Industry, (Part 53) unless the sales were 95 per cent. or more of total output.

The classification rules were also modified for the sub-division 'Ship repairing'. Returns were classified to this sub-division only if (a) ship repairing and maintenance work as the predominant activity was carried on in conjunction with general engineering repair and jobbing work or (b) ship repairing and maintenance work and any lesser amount of repair and jobbing work or marine machinery, together accounted for 80 per cent. or more of total output. Otherwise returns that showed ship repairing or repair and jobbing work on marine machinery as their main activity (although less than 80 per cent. of total output) were classified to the residual sub-division 'Ships' or boats' fittings, etc'. The standard classification procedure was followed for the other sub-divisions.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

LIST OF TABLES

Table No.	Title	Page
wa.j.	SECTION I - Estimates for all establishments in the industry	11.6920
1	Industry summary, 1963 and 1968	80/3
2	Analysis by size of establishment within the industry, 1968	80/4
3	Percentage analysis of employees, by age and sex, 1969	80/5
	SECTION II - Analysis of returns received	
4	Analysis of larger establishments, 1963 and 1968	80/6
5	Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968	80/9
6	Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968	80/1
7	Sales of other than principal products by larger establishments in the industry, 1963 and 1968	80/1
8	Production of certain principal products of the industry by larger establishments, 1963 and 1968	DOES NOT APPL
9	Purchases by larger establishments of selected principal products of the industry, 1968	DOES NOT APPL
10	Purchases by larger establishments in the industry, 1963 and 1968	80/1
11	Transport costs and employment of larger establishments, 1963 and 1968	80/1
12	Payments for certain services, etc by larger establishments, 1963 and 1968	80/1
13	Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968	80/18

Footnotes to Table 1.

- (a) For 1968, estimates for establishments not making satisfactory returns and for small establishments, from which only employment data were collected, accounted for 4 per cent. of the total figures in which they were incorporated: of this, unsatisfactory returns accounted for 1 per cent. A similar situation existed for 1963.
- (b) The following information relates to small establishments (employing fewer than 25 persons) in this industry. It includes an estimate for small establishments not making satisfactory returns.

	1963	1968
Number of establishments	843	895
Average number employed:		
Working proprietors	1,019	835
Other persons employed	6,904	7,174

- (c) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).
- (d) Total work in progress, change during year.
- (e) Total work in progress at end of year.
- (f) Administrative, technical and clerical employees.
- (g) Excluding expenditure for establishments not yet in production.
- (h) Acquisitions less disposals.

Industry summary, 1963 and 1968
United Kingdom (a) (b)

				All establi	shments
***************************************			Unit	1963	1968
	Ten	angles topies i leader	No.	1,061	1,071
ther of enterprises			11	1,309	1,298
mber of establishments			£,000	424,862	516,538
oss output			п	215,545	273,618
t output			£	1,057	1,461
t output per head		goods produced and work done (c)	£'000	427,285	453,489
les and work done	8,1	merchanted goods and canteen takings	11	3,005	4,684
81		materials for use in production and packaging and fuel	11	163,413	193,704
rchases	18,1	goods for merchanting and canteen purchases	n n	2,719	4,181
1 12		for work done on materials given out	п	40,881	43,299
17		for transport			
ayments to other	Maria .	by road	"		1,371
ganisations		by rail and other means excluding postal services	п		859
tocks and work in progre	ss				21
Goods on hand for sale		change during year	"	- 349	- 31
(excluding ships comple during the year)	eted	at end of year	n	2,066	2,656
Work in progress		c laring woor	") (+ 31,143
On war vessels		{ change during year at end of year	n and a second	remoted (110,028
On other than war ves	ssels		"	Salver day	+ 28,797
Self-propelled, 100	0	f change during year	"		101,472
gross tons and over		lat end of year		[- 5,079]	+ 140
Self-propelled unde	er 100	change during year		146,955	
gross tons and vess not self-propelled		at end of year	п	[[140,955] [e)]	2,771
On floating docks, potoons, caissons and	off-	change during year	n	Tiele manage	- 1,247
shore gas and oil dr ing rigs etc	ill-	at end of year	п		619
		change during year	11		- 436
Other		at end of year	п) (60,233
		change during year	п	- 1,145	+ 495
Materials, stores and	fuel	at end of year	11	17,807	18,610
2		(total, including working proprietors	Th.	203.8	187.3
Number employed on avera	age	operatives	п	170.1	148.1
during the year		other employees (f)	ıı ı	32.5	38.2
		of operatives	£'000	126,927	153,665
Mages and salaries		of other employees (f)	п	30,477	49,638
Capital expenditure (g)					
Total			"	16,043	24,882
New building work			"	5,600	13,322
Land and existing bui	ldings	(h)	11	96	- 128
Plant and machinery (h)		n	9,729	11,309
Vehicles (h)			11	618	378

For footnotes to this table - see page 80/2.

TABLE 2 Analysis by size of establishment within the industry, 1968

(i) Output and employment

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Estab- lish- ments	Enter- prises (b)	Total number employed on average during the year (a)	Gross output	Net output	Net output per head
	Number	Number	Number	£,000	£,000	£
1-5	296	290	944			
6-10	215	212	1,645			
11-24	273	263	4,779			
25-49	95	84	3,559	13,752	5,862	1,647
50-99	109	92	7,877	22,419	12,708	1,613
100-199	68	58	9,568	28,559	15,756	1,647
200-299	28	22	6,811	18,127	10,691	1,570
300-399	15	13	5,216	15,150	8,523	1,634
400-499	8	8	3,635	10,173	5,552	1,527
500-749	17	15	10,832	28,519	15,348	1,417
750-999	14	13	12,659	41,791	21,507	1,699
1,000-1,499	10	7	11,900	38,364	18,048	1,517
1,500-2,999	15	11	28,271	82,330	44,654	1,580
5,000 and over	10	6	78,330	193,331	102,334	1,306
Unsatisfactory returns	125	123	1,241			40000
Total	1,298	1,071	187,267	516,538(c)	273,618(c)	1,461(c)

(ii) Employees, wages and salaries

All establishments: United Kingdom

Number employed on average during the	Empl	oyees	Wages and	l salaries	Wages and per	salaries head
year by the establishment (a)	Oper- atives	Others (d)	Oper- atives	Others (d)	Oper- atives	Others (d)
	Number	Number	£'000	£'000	£	£
1-5						-/ 0.4
6-10						
11-24					TO COMMON ST	
25-49	2,941	566	3,081	709	1,048	1,253
50-99	6,534	1,293	6,895	1,625	1,055	1,257
100-199	7,942	1,603	8,857	2,036	1,115	1,270
200-299	5,514	1,294	6,272	1,621	1,138	1,253
300-399	4,438	774	4,786	986	1,079	1,275
400-499	2,909	725	2,842	875	977	1,207
500-749	8,883	1,949	9,274	2,388	1,044	1,225
750-999	10,469	2,189	10,537	2,647	1,007	1,209
1,000-1,499	9,824	2,076	10,379	2,597	1,057	1,251
1,500-2,999	22,716	5,555	25,152	6,851	1,107	1,233
5,000 and over	59,755	18,577	59,178	25,265	990	1,360
Insatisfactory returns		taut menan	2.10	musika nebuang		
Total	148,119(9)	38,174(c)	153,665(c)	49,638(c)	1,037(c)	1,300

(a) Including working proprietors.

(b) The sum of the figures for the size groups exceeds the total for the industry to the extent that enterprises made returns for establishments in more than one size group.

(c) Including estimates for establishments employing fewer than 25 persons and for establishments not making satisfactory returns.

(d) Administrative, technical and clerical employees.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)

All establishments: United Kingdom

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	4	- (5)	4
18 and over	90	6	96
All ages	94	6	100

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for which the information is available on the basis of the Standard Industrial Classification, (Revised 1968).

Footnotes to Table 4.

- (a) Some establishments employing fewer than 25 persons were included in returns for larger establishments. These amounted to 28 establishments in 1968 and 47 in 1963.
- (b) The method of classifying returns to sub-divisions of the industry is explained in the notes.
- (c) The sum of the figures for the sub-divisions exceeds the total for the industry to the extent that enterprises made returns for more than one sub-division.
- (d) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).
- (e) Direct sales of goods (excluding canteen takings) made to, and work done for, the general public by larger establishments are included. These amounted to £1,212,000 in 1968. Similar information is not available for 1963.
- (f) Characteristic products relate only to specific subdivisions of the industry.
- (g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (h) Progress payments received for work in progress in 1968 from United Kingdom customers were recorded as £131,960,000 at the beginning of year and £185,132,000 at the end of year, and from overseas customers £38,534,000 at the beginning of year and £52,208,000 at the end of year. Similar information is not available for 1963.
- (i) Total work in progress, change during year.
- (j) Total work in progress at end of year.
- (k) Administrative, technical and clerical employees.
- (1) Excluding expenditure for establishments not yet in production.
- (m) Acquisitions <u>less</u> disposals.

TABLE 4 Analysis of larger establishments, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom (a)

			entropicos Zentes	Sub-	divisions o	f the industr	y (b)	The second second		Sub-divisions of	the industry (b)		
			Unit	Shipbui	ilding	Marine	eng i neering	Boatbui	lding	Sub-contract wo under cor	rk on new ships struction	Ship rep	airing
		The second second second		1963	1968	1963	1000	1963	1968	1963	1968	1963	1968
lumber of enterpr	, ,		No.	44	32	58	1908		51	19	20	108	86
umber of establi	shments		11	78	73	83	49	46	56	39	25	196	149
oss output			£,000	180,573	233,973	92,943	70 0	55	13,400	7,254	11,780	110,734	150,549
et output				76,094	98,575	44,211	39.810	7,308	6,398	3,911	7,536	74,808	104,953
et output per he	ad		£	997	1,337	1,167	39,819	3,640	1,639	1,013	1,599	1,092	1,565
ales and work	goods produc	ed and work done (d) (e)		194, 285	177,979	89,306	1,484	922	12,908	7,320	8,628	104,705	146,486
one	[merchanted g	oods and canteen takings		218	802	1,262	80,363	7,034	313	261	53	586	1,300
ales of characte ork done	ristic product	s and characteristic	п	173,560	156,650	62, 165	1,712	214	11,095	4,873	7,684	85,673	113,501
dex of speciali	sation (a)		Per				61,202	4,964			89	82	77
dex of speciali			cent.	89	88	70	76	71	86	67	09	02	
	materials fo and packagin	use in production								1	2 020	28,788	37,610
rchases	goods for me		£'000	78,527	103,973	39,421	30,765	3,304	6,472	2,818	3,939	20, 100	
	canteen purc		11	251	694	1 001	1	107	253	294	57	596	1,179
	for work done		11			1,001	1,574	165		211	258	6,124	5,578
yments	for transport			24,550	30,136	7,667	4,689	201	367	211	200		
other	by road		"		02.1	17		1	70				
ganisat ions	by rail and	other means excluding		285	231	402	260	45	76	35	22	302	1,203
	L postal serv	rices	"		93]	181	40	12				
ocks and work in													
Goods on hand for excluding ships	scompleted	change during year	"	- 69	+ 133	- 225	- 88	+ 3	- 71	- 30	+ 2	- 32	- 7
luring the year) Tork in progress		Lat end of year	п	373	574	1,158	1,618	104	164	77	14	76	62
0		change during year	"		+ 28,607	1		(1 41			Carlo Manager I	- 64
On war vessels		at end of year	11						+ 41				82
On other than	war vessels		100		101,659			100	50				
	ed 100 gross	Schange during year	п	1000000	+ 22 040				+ 359	10 10 10 10 10 10		250 2000 200 200	+ 1,010
tons and ove	r	at end of year	п	(10)	+ 23,949	116				1 007	+ 3,097	+ 5,475	2,515
Self-propell	ed under 100	(change during year	п	- 13,861 (i)	90,792	$\begin{bmatrix} +2,600 \\ (1) \end{bmatrix}$	- 5,172	57 (i)	410	- 297 (i)	(i)	(i) } {	+ 43
gross tons a not self-pro		}	72.763	80,945	+ 194	44,219	31,393			1,303	4,322	9,857	114
On floating do		Lat end of year	"	(i)	597	(j)	(j)	1,511 (j)	1,782	(i)	(j)	(j))	- 20
caissons and o	ff-shore gas	Schange during year			- 1,102				- 71				
and oil drilli	ng rigs, etc	lat end of year	п		464				-				128
Other		Schange during year	11		+ 3,411			431.00	- 9				+ 1,801
		Lat end of year	п]	24,680				316			1	3,261
aterials, store	s and fuel	Schange during year	н	- 867	- 272	- 242	+ 474	47	+ 177	+ 16	+ 32	- 115	- 25
		at end of year	"	5,291	4,759	6,613	7,513	700	1,096	357	474	3,420	3,289
ber employed	total includi	ng working							A DESCRIPTION OF THE PARTY OF T		4 710	69 512	67,054
average {	operatives	Maria Total California y a company	No.	76,297	73,756	37,871	26,831	3,949	3,903	3,862	4,712	68,513	54,719
ing the year			"	63,034	58,568	29, 155	19,554	3,286	3,156	3,348	3,926	61,072	12,308
weekly the second of the second	other employed of operatives	es (K)	"	13,239	15,176	8,689	7,254	623	700	507	771	7,393	58,036
os ana			£'000	45,074	60,278	22,060	19,322	2,027	3,098	2,783	4,420	47,661	17,06
No.	of other emplo	byees (K)	п	12,476	19,736	8,071	8,664	534	814	456	843	7,200	
aries	operatives	The second section of the second	£	715	1,029	757	988	617	982	831	1,126	780	1,06
	other employee	s (k)	11	942	1,300	929	1,194	857	1,164	900	1,094	974	1,38
tal expenditure		Pidylinia jin direction	Se jes		-,000	0.25		301	1,104				
w building work		profit companies at your	£'000	2,885	4,762	322	375	70	225	19	18	2,005	7,18
and and disting	acquisitions	Kinda - Parkaga ar garaga	н	148	92	424	14	170	85	3	1	118	2
uildings	disposals	th to a midel or there					100				} 74 (m)	218	4
	acquisitions			245	48	299	199	30	3	-)	3,579	5,14
1 .	disposals			4,220	4,016	2,735	1,931	62	147	32	36	471	10
2	acquisitions	A STATE OF THE STA		591	261	341	200	18	2	-	1		18
enicles	disposals			129	97	89	117	28	66	42	32	530	10
AND DESCRIPTION OF THE PARTY OF	Pobulo		"	34	24	24	33	12	17	13	19	164	

80/9

Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968

			indust	ions of the ry (b)		TORRU TIL	Establishments employing	25 or more persons: Analysis of returns received, United Kingdom							
		Unit			To	tal	2/31/08 931/00		1963	2213940			1968		
68.2			1963	1968	1963	196	one a landa la	Qua	ntity	Selling value	Quan	tity	Selling value	Enter- prises	Entries
ises (c)		No.	36	28	272		The state of the s			10.0		Dianlaga		CONTRACTOR	
shments		11	44	41	495		legan frame in Deas.	Number		£,'000	Number	ment	£'000	Number	Number
		£'000	8,357	7,354	407,170	493,8		Namoor	tonnage	2 000		tonnage	4000		Jugar
ad.		"			206,569	261,6	SHIPS, BOATS, ETC, COMPLETED		Tons			Tons	Listery Pro-		Deg 21
	and work done (d) (a)	£				1,4	FUR SALES IIV IIIE I	31	34 864	41.731	30	27,562	35,273] .	11
(F.000				433,5	R _{er vessels}	14		43		••	4,734		11
-			339	298	2,880	4,4	Whor than war vessels		Gross			Gross			
		11	(f)	(f)	(f)				tonnage			tonnage			
sation (g)		Per			91		tons and over					90(3)	VOCAL 152		
(materials for	use in production	cent.		6948	01		Manleage		Th. tons		. 11	Th.tons			
		£'000	3,750	2,444	156,608	185 9	121 1 171 198 18	2 5	100	7(17	198	21 192	8	10
			1019			100,	300 gross tons and over	20	476		13			4	*
	ses	"			2,606	3,9	100 to 299 gross tons] [100	407	3	0.9	268		
		"	425	371	39,179	41,3	Passenger and passenger-cargo	1							
		,	1		h		designed to carry more than		30.7	10 129	4	- 109	4,577	*	*
	other means excluding		42	34	1.111	1,3	twelve passengers							*	*
postal servi	ces	11		20		8	Refrigerated cargo	6	58.0	8,729	2	100	of bon I		
progress				0.000			Other bulk carriers				22	536	41,011	10	10
	change during year	11	+ 18	+ 1	- 335	-	Container vessels	54	376	44,673	3	20.0	4,987	*	*
	at end of year		193	107	1 980	9.5			(12,34)	0.800	23	144	25.774	9	11
(h)			100	101	1,300	2,0	Other cargo	J	Mary College			- L. 1. GHO.		11	11
ſ	change during year	11]	[] - 108		+ 29.7	Fishing vessels	13	4.7	2,338	24	8.2		aver	
1	at end of year			26		105,2	Tugs	J 54	69.5	11,579	29	6.4	4,867	9	9
war vessels				7-14 18800			Other	1 4		850	20	13.3	6,548	13	13
	change during year	n		- 116		+ 27,5	36 186, II ne	J N	umb on		Nu	mher		23369	
r	at end of year	п	[+ 1.158]	96	[- 4 868]	97,0	Self-propelled under 100 gross tons	IN	amber		1144	mb C I	esalgas o	Land -	
	change during year	ti ti	\ (i) \.	+ 11	}{ ',(i) []	+ 1	O displaying						situad pas	apiele	
	at end of year	lı .		123	140,836	2,64	passenger-cargo and fishing)	No. of the last	36	284		42	1,200	13	13
ocks, pontoons,	change during year	"	((,)	-	((,,)	- 1,19	Lifehoats		330	596			764	7	8
	at end of year	"				50		(2,	456	6,716	58	59
	change during year	"		+ 44		- 41	Other		••	555			1,345)	
{	at end of year	"				57,59	Not self-propelled	3 2		1 464	S. S. J.		7,186,94	L CRO A.S.	
e and fuel	change during year	"	+ 64	+ 86	- 1,098	+ 47	Cargo-carrying		22	159		26	323	7	7
s and rue!	at end of year	п	684	661		17,79				261		285	213	8	8
	g working	N-		1000			Lifeboats	(1	00
		No.				DELTA .	Other		••	1,105		••	334	31	32
	; (k)	"					loating docks, pontoons,						- Stolet	F. 1639	di on
	, (K)						Paissons, off-shore oil and gas	- M		945	W I		2,882	11	11
	zees (k)	£,000							169,1	7.0					
	(n)					47,01	Total value of ships, boats, etc. completed			10.00				To Milia	1
		£	678	1,041	746	1,00	in the year of return			177,901			170,074		
	(k)	п	7:78	1,219	939	1,30	- MARINE ENGINEERING (a)	No. of		Net	No. of	Shaft	Net		
								sets	h.p.	selling value	sets	Π.ρ.	value	A di onga	100
		£,000	65	172	5,367	12,78	value of installation work)		RB.E				seem ion	1(70840)	g ise
		"	21	- 25	884		Propelling machinery					inte	de cent	ad la s	19 19
		n	-	(m)	792	3/1						STATES AND A	100 MO FO		
		п	122	118	10,751	11,34	steam turbine	[]	107 000	2 525	1			traiti	DEGR
		"	5	2	1,427	58	Complete	$\left\{ \begin{array}{c} 12 \\ 9 \end{array} \right.$	With the Control of t	0 700	12	193,300	2,356	*	5
acquisitions		11	30	38	848	53	Parts			207	·	1	802	16	18
disposals		ALCOHOLOGICAL TRANSPORTER TO A STATE OF THE PARTY OF THE													
S S S S S S S S S S S S S S S S S S S	goods produced merchanted goo istic products ation (g) materials for and packaging goods for merc canteen purcha for work done for transport by road by rail and postal service progress resale completed (h) war vessels ed 100 gross for sale completed (h) war vessels ed including proprietors operatives of other employees of operatives of other employees of ther employees of ther employees of the employees of other employees of the employees of	goods produced and work done (d) (e) merchanted goods and canteen takings istic products and characteristic ation (g) materials for use in production and packaging and fuel goods for merchanting and canteen purchases for work done for transport by road by rail and other means excluding postal services progress real completed (h) Change during year at end of year Change during year at end of year ed under 100 nd vessels pelled cks, pontoons, change during year at end of year	sees (c) shments d goods produced and work done (d) (e) merchanted goods and canteen takings istic products and characteristic ation (g) materials for use in production and packaging and fuel goods for merchanting and canteen purchases for work done for transport by road by rail and other means excluding postal services progress result (at end of year (h) change during year at end of year ed under 100 goals for means at end of year completed for transport change during year at end of year goals for work done for transport by road by rail and other means excluding postal services progress result (at end of year at end of year change during year at end of year cks, pontoons, change during year at end of year cks, pontoons, change during year at end of year change during year at end of year s and fuel at end of year change during year at end of year s and fuel at end of year change during year at end of year s and fuel at end of year for change during year at end of year s and fuel at end of year s and fuel at end of year s and fuel at end of year change during year at end of year s and fuel at end of year change during year at end of year s and fuel at end of year change during year at end of year s and fuel a	Unit Ships' of fittin 1963	Sizes (c) 1963 1968 19	Unit	Unit Shirps or boats Total Shirps or boats Total	No. 1963 1968 1963 1968 1963 1968 1	Signst or bonts: Total T	Second S	Siliprot or boats Total 1903	Section Sect	Description Description	Section Continue Continue	

80/11

Entries

Number

329 (b)

Enter-

prises Number

Net selling

1,017

430,959

37,865

393,094

(continued)

TABLE 5 (continued)			ibri esti i	e aloubor	iq jarqi ost	to le nek	et e	BLE 5	(continued)	NO CHARGE OF SECURITY OF SECUR			
within the treet bearing and		1963	december 1			1968		1	-bunik bakkal chavings en	190	33	19	968
	Qua	ntity	Net selling value	Qua	intity	Net selling value	Enter- prises	Intri	2561	Value of	work done	Value of	work done
II - MARINE ENGINEERING (a)	Number	B.h.p.	£'000	Number	B.h.p.	£'000	Number	. WORK I		£'0	00	£'	000
(continued) Marine machinery (excluding the value of installation work)	100.000	100	10 (dec 10) 10 (dec 10)	maile .				thers du	act, etc, work done for ring the year on new ats, floating docks, r construction				
(cont inued)			Contract		1000	PERKET STORES	BANG S	Insulat	ion (not electrical) and	9	240	9	,833
Propelling machinery (continued)					8903038	ALTER MAN	HT MARK S	similar		Control of the second second second	348 242		419
Internal combustion recipro- cating engines							S Panels	painting	, ventilating, etc, work		282	Chickens of the Con-	677
Complete			00357			a teamin	as mul		cal and like work		940	2	2, 135
Compression ignition (all types)			1 223/143/3 ₄₀₀		Library.	bar to be	Lesan .	Deck an	d flooring work		405	Maria de la composição de	545
Not over 50 b.h.p.	2,807 2,502	53,595	836 448	12,128	290,771	4,153	9	install	ation work) d maintenance work, etc,	1,	611	5	6,837
Over 50 b.h.p., not over 100 b.h.p.	463	34,561	507	3,114	845,00	1,197		done in t	he year of return to				
	3,625		1,250] 0,114		1,197	8	War ves	sels	44,	536	62	2,926
0ver 100 b.h.p., not over 300 b.h.p.	507 158	88,196	1,183 127	716	106,519	1,795	10	14 Tankers	A STATE OF THE STA	Just Torritoria glat o	sections of the first		,322
Over 300 b.h.p., not		Angua de sa							hips and boats	60,	076	50	,573
over 1,500 b.h.p. Over 1,500 b.h.p., not over 4,000 b.h.p.	262]	155,065	2,361	303	167,801	2,568	8	caisson	g docks, pontoons, s, off-shore oil and gas g rigs, etc	January of the	100, 12 1 200, 252	enel di	868
Over 4,000 b.h.p., not	∫ 96	483,000	12,349	91	176,166	4,381	6	8 Marine en	gineering work done			-ENTAR OLIVER	
over 10,000 b.h.p.	1 3		1,076	25	177,450	5,837	6	6 Install	ation of marine	16.	146	10	,986
Over 10,000 b.h.p.	J			10	155,400	2,928	5	5 Repair	and jobbing work on	The said		1.5	7 114
Other			1,349			1,423	7	0	machinery		546		7,114 5,180
Parts			7,028			11,991	36	Other wor	k done	1	,517		
Gas turbine engines, complete and parts			1,804		**************************************	437	6	6	Total work done	150	, 651 Net	171	1,414 Net
Auxiliary machinery	7	10			SECTION I				19 4 707 1	Quantity	selling value	Quantity	selling value
Internal combustion engines	100		1000					OWNER O	Good Corp		£'000		£,000
Compression ignition			1007						GOODS SOLD boats, fittings		1 000		2 000
Complete	2,295	194,407	3,213	2,817	304,566	5,221	7	12 (blocks,	masts, spars, oars, etc)	New Year Enland	2,484		3,186
Parts			2,469			2,221	7	10 Other pro		Targer dat	1,839	that and . Mans	965
Other, complete and parts			1,365			2,242	5	5 Waste pro				Th.tons	to how to
Chicago de Caralle Caralle de Constante de Caralle de C			900	Num	ber			Scrap 1	metals		088,8.		
Boilers, complete			1,772	and His	78	1,267	5	6 Iron	and steel	Procinal Are	873	76.9	662
the little and the second second second second	No. of	sets		No. of		-,-0.			ferrous	Canti Carde	389		1,017
Steering gear, complete	34	19	1,651	}	=	0.500		Other	waste products		31	••	132
Reduction gear, complete	18	•	392) 38	00	2,506	8		Total		399,286		430,959
Marine machinery, complete	18	- A	753		•	3,556	8		Sales in other		00.017		37,865
not specified above (excluding compressors and pumps)		USV E	0.225			1739 3 1			industries (see Table 6)		26,217		37,865
Parts of boilers, steering			8,625		• 3046	18,268	36		Principal products of this industry sold by	constitution (Feb.)			8 8 9987 - 80 786 1
gear, reduction gear and of marine machinery not elsewhere specified			6,353		al i	9 200	E 9 6		establishments in the industry		373,069		393,094
Participant Review and appropriate	17 (8	1 4 1 3 3 8	0,000		•	8,360	58 6	(a) In	ddition to marine machinery	gold the value	of marine med	hinery recorded	as made by
Total value of marine machinery (excluding the value of installation		O . The second	22000000				33/65	disc	allation in ships of their of losure of information relation	own construction ing to individua	a amounted to £	8,970,000 in 19 lar figure cann	of be shown
work) (a)		STATE OF THE REAL PROPERTY.	65,119			83,509		(b) This is 1	figure represents the total ess than the total number of	number of retu	rns made for las shown in Table	arger establish	nments in thi

as made by establishments for 3. Owing to the risk of t be shown for 1968.

This figure represents the total number of returns made for larger establishments in this industry which is less than the total number of establishments shown in Table 4 on account of combined returns covering more than one establishment.

TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1963			1968						
The section of the se	Qua	ant ity	Value	Quai	ntity	Value	Entries	Principal industries in which produced (a			
			£'000			£'000	Number				
Ships, boats, etc, including vessels not self-propelled and other work of new construction	μ		195			315	*	63,84,149			
Marine machinery (excluding the value of installation work)								33,01,113			
Propelling machinery											
Steam turbine, complete and parts			671			1 660	14	50.50.04			
Internal combustion recipro- cating engines			0,1		p, less la	1,660	14	58,59,64,71			
Complete							7,300				
Compression ignition (all types)	Number	b.h.p.		Number	b.h.p.			alornov es			
Not over 100 b.h.p. {	3,003 5,604	76,998		11,825		5,026	11	53,81,82			
Over 100 b.h.p., not over 1,500 b.h.p.	∫ ₆₂₉	234,906		823	227,825	3,332	14	53,82			
Over 1,500 b.h.p.	172			77	146,746	3,709	*				
Other, including parts for all types of internal combustion reciprocating engines	9		3,405		110,140	5,894	34	53,64,81,97			
Gas turbine engines, complete and parts			701	367							
Auxiliary machinery, internal combustion engines complete		·	781			437	6	53,54,71			
and parts		••	5,032			6,294	14	53,71			
Boilers, complete Steering gear and reduction		•	978			1,117	*	64			
gear, complete Marine machinery, complete, not		600	128			787	5	53,63,84			
specified above (excluding compressors and pumps)		11429	2,986	- 0		2,966	27	52,54,56,64			
Parts of boilers, steering gear, reduction gear and of marine machinery not elsewhere specified			2,687			4,280	47	62 64 71 84			
Total value of marine	. Day	1000	, = 5 .			1,200	41	63,64,71,84			
machinery (excluding the value of installation work)			00, 000					ATTACA SA			
Ships' or boats' fittings (blocks, masts, spars, oars, etc)		1997.	22,869			35,502	a coordinately in the second				
Sub-contract, etc, work done for others during the year on new		- 100	667		-ta	444	13	48,56,61,97			
ships, boats, floating docks, etc, under construction			94	1027		200	*	44,84,151			
Repair, maintenance and marine engineering work done in the year of the return to ships, etc	7270/00/52347510111	ESPO (S	2,393	orthographic production and the second		1,404	26	52,56,64,66			
Total	70 T 1 3 367 10 M 1 3 CB 2	2022 00 00 63 07 00	26,217	EX BOY TROOP	015 PR (8)	37,865	MG GA A	Calabara a			

⁽a) The references given are to the list of industries at the front of this report.

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	1963	1968
	Value	Value
	£'000	£'000
Steel tubes and iron castings	1,037(a)	376
Mechanical engineering products		
Industrial engines	6,798	2,894
Space heating, ventilating and air-conditioning equipment	38	124
Industrial (including process) plant and steelwork	1,139	1,708
Other	16,316	24,869
Scientific and electrical engineering	1,821	1,002
Other products	3,273	3,468
Building and civil engineering work	black to the the	
Work done as main contractors	504	541
Work done as sub-contractors	2,209	1,469
Services rendered to other organisations (b)	3,288	4,043
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	2,559	4,019
Canteen takings	322	459
Total	39,303	44,972

- (a) Includes steel castings.
- (b) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

Particulars for this table cannot be given as the details of quantities recorded were incomplete.

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry.

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

Materials for use in production			1	963	1	968
From castings Steel			Quantity	Cost	Quantity	Cost
Steel 26.2 2.795 16.3 2.	Materials for use in production		Th.tons	£,000	Th tons	01000
Steel Bars and rode (including wire rods), angles, shapes and sections, girders, beams joists and pillars rolled (not fabricated), including tube rounds and sections, girders, beams joists and pillars rolled (not fabricated), including tube rounds and squares 113 5,577 131 6, 134 423 20, 134 5.3 374 8.7 5.3 374 8.7 5.3 372 10.1 2.5	Iron castings		26.2			£,000
13 5,577 131 6,	Steel			2,130	10.3	2,210
Sheets under 3 mm. thick and over 396 18,414 423 20.	rolled (not fabricated), including tube rounds and		110	an isah		
Sheets under 3 mm. thick (including electrical sheets) 5.3 374 5.2 374 5.3 374 5.3 374 5.3 374 5.3 372 3.2 10.1 2.2 3.730 3.72 1.2 3.730 3.72 1.2 3.730 3.72 3.2 1.9 3.2 3.2 3.2 3.2 3.2 3.3	Plates, 3 mm. thick and over				131	6,778
Castings (except drop forgings)		. 1	N. COLORS		1 423	20,770
Castings		ts) [8.7	518
Drop forgings	Forgings (except drop forgings)	{				2,284
Drop forgings	Castings		11 0		11	337
Iron and steel not elsewhere specified except finished parts, wire and scrap Wrought tubes and fittings for wrought tubes (including welded, seamless, conduits, etc) Other Chains and chain cable of iron and steel (excluding transmission, timing and conveyor chains) Steel wire (including cable and ropes) Light metals and non-ferrous metals in all forms except finished parts, wire and scrap Aluminium and aluminium alloys Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys and cadmium copper) (a) Castings in the rough Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases)		٢	11.9	2,526	71	429
Iron and steel not elsewhere specified except finished parts, wire and stap Wrought tubes and fittings for wrought tubes (including welded, seamless, conduits, etc) 15.7 1,872 14.3 1,6 Other 2.6 227 4.3 5.1 Chains and chain cable of iron and steel (excluding transmission, timing and conveyor chains) 215 Steel wire (including cable and ropes) 2429 429 Light metals and non-ferrous metals in all forms except finished parts, wire and scrap 662 7.1 Aluminium and aluminium alloys 3.8 1,792 3.2 1,60 Brass and other copper alloys (including nickel silver nickel alloys and cadmium copper) (a) 1.8 743 1.6 1.14 Other Castings in the rough 1.8 743 1.6 1.9 Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) 1.8 726 1.9 93 And cupro-nickel 1.8 743 1.6 1.7 Thi Solder, soft 1.8 7.2 1.9 1.0 Solder, soft 1.8 7.2 1.9 1.0 Solder, soft 1.9 3.6 1.52 2.7 1.7 Solder 1.9 3.8 1.7 2.7 1.7 Thickut 3.6 1.52 2.7 1.7 Solder 1.8 1.8 1.8 1.8 1.8 Solder 1.8 1.8 1.8 1.8 1.8 Solder 1.8 1.8 1.8 1.8 1.8 Solder 1.8 1.8 Solder 1.8 1.8 Solder 1.8 1.8 Sold		1		10000		164
Other Chains and chain cable of iron and steel (excluding transmission, timing and conveyor chains) Steel wire (including cable and ropes) Light metals and non-ferrous metals in all forms except finished parts, wire and scrap Aluminium and aluminium alloys Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys and cadmium copper) (a) Castings in the rough Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases)	rates, with and scrap	d		01		77
Other Chains and chain cable of iron and steel (excluding transmission, timing and conveyor chains) Steel wire (including cable and ropes) Light metals and non-ferrous metals in all forms except finished parts, wire and scrap Aluminium and aluminium alloys Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys and cadmium copper) (a) Castings in the rough Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases)	Wrought tubes and fittings for wrought tubes	{	15.7	1 879	14.9	1 004
Chains and chain cable of iron and steel (excluding transmission, timing and conveyor chains) Steel wire (including cable and ropes) Light metals and non-ferrous metals in all forms except finished parts, wire and scrap Aluminium and aluminium alloys Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys and cadmium copper) (a) Castings in the rough Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases)			The state of the s			1,684 447
Chains and chain cable of iron and steel (excluding transmission, timing and conveyor chains) Steel wire (including cable and ropes) Light metals and non-ferrous metals in all forms except finished parts, wire and scrap Aluminium and aluminium alloys Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys and cadmium copper) (a) Castings in the rough Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases)		{		The state of the s		551
Steel wire (including cable and ropes)	Chains and chain cable of iron and steel (excluding transmission, timing and conveyor chains)		Apple Total			167
Light metals and non-ferrous metals in all forms except finished parts, wire and scrap Aluminium and aluminium alloys Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys and cadmium copper) (a) Castings in the rough Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases)				ant dat de	4	456
Aluminium and aluminium alloys Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys and cadmium copper) (a) Castings in the rough Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) 3.8 1,792 3.2 1,66 1.4 1.8 743 1.6 1.728 1.0 60 1.8 726 1.9 93 0.1 51 0.1 61 71 71 72 77 77 78 79 79 77 78 78 78 78	Light metals and non-ferrous metals in all forms except finished parts, wire and scrap			662		772
Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys and cadmium copper) (a) Castings in the rough Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases)			2 0	1 700		
Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Overlaptic visual visual and variable (including inorganic gases) 1.8 4.5 1.728 1.0 2.6 1.9 33 1.1 35 1.1 36 1.2 37 1.1 30 1.2 1.2 1.3 30 1.1 30 1.2 1.3 30 1.1 30 1.3 30 1.1 30 1.1 30 1.1 30 1.2 30 1.1 30 1.2 30 1.1 30 1.2 30 1.2 30 1.3 30 1			3.8	1,792	3.2	1,604
Other Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Overlaptic time) 4.5 1.728 1.9 26 1.9 37 Th.cwt. 38 39 30 31 30 Th.gal. Th.gal. Th.gal. Th.gal. Th.gal. 33 34 35 36 37 36 37 37 38 39 36 38 38 39 39 30 30 30 30 30 30 30 30	Castings in the rough		1.8	743		1,148
Copper (including cadmium copper) (b) Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Organic (including inorganic gases)	Other		4.5	1 700		
Nickel and nickel alloys (excluding nickel silver and cupro-nickel) Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Notation 1.9 3.151 3.151 3.6 1.152 3.7 1.7 2.7 1.7 2.7 1.7 2.7 1.7 2.7 1.7 2.7 1.7 2.7 1.7 2.7 1.7 2.7 1.7 2.7 1.7 2.7 2	Copper (including cadmium copper) (b)			1,728		266
Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Th.cwt. Th.cwt. 35 Th.cwt. Th.cwt. 36 Th.cwt. Th.cwt.	Nickel and nickel alloys (excluding misled and					939
Tin Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Th.cwt. 3.6 152 2.7 178 3.6 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,050 Th.gal. Th.gal. Th.gal. 115 203 1,299 688 1,137 205	and cupro-nickel)	1	THE PARTY OF THE P		The state of the s	67 10
Solder, soft Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) 3.6 28 33 1,180 2,260 1,050 Th.gal. 115 203 115 203 1,299 688 1,137 205			Th.cwt.			10
Non-ferrous metal wire, not insulated Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Organic (including inorganic gases)		1				150
Insulated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Organic (including inorganic gases)		4] 2.1	178
Thistifated wires and cables Flux covered electrodes for electric arc welding (including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) 1,180 2,260 Th.gal. 1,050 Th.gal. 203 1,115 203 1,299 688 1,137 205 1,299			attabani is s			78
(including continuous electrodes) Paint and varnish (including lacquers and stains) Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Organic (including inorganic gases)						34
Anti-fouling and anit-corrosive paints and compositions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases) Organic (including inorganic gases)	Flux covered electrodes for electric arc welding (including continuous electrodes)					2,260
positions for use below the water line only Other (including composition for deck sheathing) General chemicals Inorganic (including inorganic gases)	Paint and varnish (including lacquers and stains)			995		1,050
Other (including composition for deck sheathing) Seneral chemicals Inorganic (including inorganic gases) Organic (including inorganic gases)	Anti-fouling and anit-corrosive paints and com- positions for use below the water line only	{	115]	
General chemicals Inorganic (including inorganic gases)				151	1	536
Organia (i1-1:			803	1,299		1,137 205
Organia (i=-1.1)	Inorganic (including inorganic gases)	1		,		
organic (including organic gases) 1,061(c)	Organic (including organic gases)	1		1.061 (c)		1,239

ARLE 10 (continued)

2007	1963		1968	
	Quantit	y Cost	Quantity	Cost
Materials for use in production (continued)	(Assessed	£,000	100 01 200	£'000
Manufactures wholly or mainly of rubber (including synthetic rubber), balata and gutta-percha, including		382		488
sheeting (d) Glass in all forms, (including finished parts)	to be to display	333		602
	at the sec	000		
Asbestos		84	10 1/20/10	70
Millboard		332	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	529
All other kinds (including finished parts)	Th.std		Th.stds.	020
Timber	-			1 110
Softwood, sawn or planed, but not further prepared or manufactured	11.6 	1,270 278	9.8 Th.cu.ft.	1,119 463
Hardwood, sawn or planed, but not further prepared	519	791	364	599
or manufactured	1	378	1 200 0.00	633
	Th.sq.f	t.	Th.sq.ft.	
Plywood, including blockboard, laminboard and battenboard	7,607	665 188	3,837	491 416
Dattemboard		100	1,454	166
Chipboard		269		209
Cork in all forms		225	e in a source to	76
Bolts, rivets, nuts and washers, screws, nails, tacks, etc		1,616		1,505
Purchased components for incorporation in firms, finished products or for use in repair and maintenance work on customers, ships, etc				
Propelling machinery complete	The second second			
Internal combustion engines (including engine and boiler room auxiliaries)				
1,500 b.h.p. and less		3,737		4,412
Exceeding 1,500 b.h.p.	n Addaysa	13,996		17,043
Steam turbines (including engines and boiler room auxiliaries)		5,028		4,225
Marine boilers		830		538
Pumps		3,410		2,259
Propellers and propeller blades for ships		1,197		2,020
Industrial valves		1,888		2,619
Ball and roller bearings and parts thereof		329	a land to be	459
Ships' boats (lifeboats, etc)		433	A 646 66	382
Radio communication and navigational aid (including radar) equipment		1,146	- We have	2,189
Electric motors		1,508	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,527
Electrical machinery, appliances and fittings of all kinds not elsewhere specified	3.50.	5,010	10 1271 100	6,474
Gears and gear wheels of metal		442	- Bit	855
Measuring instruments and gauges and parts		-BB 25 - 40% RE	All Didney over	18000B, 13
Electronic (including valves)	d a being	124	s less avent	346
Other		589		574
Scientific instruments and parts other than measuring instruments	1 -8361 S	226		245
Plastic goods moulded and fabricated		377		572
Fittings of non-ferrous metals and non-ferrous metal alloys not elsewhere specified		532	de l'agrece	832
Furniture and upholstery		838		3,571

Continued on next page.

TABLE 10 (continued)

		1963		1968	
Teel with the state of the stat		Quantity	Cost	Quantity	Cost
Materials for use in production (continued)			£'000		£,000
Purchased components for incorporation in firms' finished products or for use in repair and maintenance work on customers' ships, etc (continued)		(10) 4 (16) 4 (16) 1 (1) - 10		Fore toda	2 000
All other purchased components, whether driven by electric motor, internal combustion engine or steam including auxiliary deck machinery not elsewhere specified (such as winches, windlasses, capstans and motor generators) and refrigerating machinery, ventilating and air-conditioning machinery, bridge components, etc		taso botos	A wilkeye) , was o't	la ni nan so resdi brand() is
		mı	34,953		35,632
	1	Th.gal.		Th.gal.	Total State of the
Lubricating oils and greases (including cutting oils		650	156	545	176
and emulsions)	1	Th.cwt.		Th.cwt.	
		6.8	30 30	7.6	34
Replacement parts for firms, own machinery, plant and vehicles, and accessories and consumable tools bought as replacement	·		30	la l	42
Tyres and other spare parts for firms, own road goods vehicles)		20	007
Other		}	2,397		205
All other materials for use in production		J		14.3	4,057
Packaging materials			17,224		24,237
Fuel and electricity (e)		••	181		236
Coal		Th.tons	and and a	Th.tons	
	r	71.9	499	and well-string	200
Coke (including screenings) and manufactured fuel	1	45.8	444 49	28.3	344
		Th.gal.		Th.gal.	
Derv fuel and motor spirit for use in road vehicles	11	1,430	249	1,267	312
Other liquid fuels (including creosote/pitch mixtures, etc and liquefied petroleum gases)		16,854	56 831 {	21,167	69 926
		Th. therms		mi	693(f
Gas	f	11,303	-10	Th. therms	
vas	1	11,303	512 119	11,466	798
		Th.kWh	110	Th.kWh	
Electricity	5	403,446	2,698	7	
	11		759	707,099	5,190
Total cost of materials and fuel	1	MISSESSE WELL	150 000		
oods purchased for merchanting			156,608		185,204
anteen purchases			2,188		3,342
paronasco		72.00	417	Transport	656
Total cost of purchases	1		159,213	• 4910.000	189,202

- (a) For 1963 cadmium copper was not specifically excluded.
- (b) For 1963 cadmium copper was not specifically included but blister was specifically excluded.
- (c) Gases, compressed only for 1963.
- (d) For 1963 described as 'Rubber, including hard rubber, balata, gutta-percha and synthetic rubber in all forms including finished parts'.
- (e) The total quantity of electricity generated in establishments employing 25 or more persons in this industry was 5,818 Th.kWh in 1963. Owing to the risk of disclosure of information relating to individual firms details cannot be given for 1968.
- (f) For 1968, may include a small amount of fuels not covered by specific headings.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	Unit	1963	1968
Average number mainly employed on transport	No.	768	984
Transport costs			
Wages and salaries	£'000	558	1,059
Derv fuel and motor spirit	n.	305	380
Tyres and other spare parts for road goods vehicles	n		205
by road	n		1,311
Payments to other organisations for transport by rail and other means excluding			0.01
postal services	"	1)	821
Costs of operating road goods vehicles			100 - AV
Insurance	"	46	56
Vehicle licences	n	42	77
Depreciation		291	230
Payments to other organisations for repairs and maintenance		85	108
Tot al		2,436 (a)	4,246

⁽a) Excluding tyres and other spare parts for road goods vehicles, not collected separately for 1963.

Payments for certain services, etc by larger TABLE 12 establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	Amounts	Amounts payable	
	1963	1968	
Repairs and maintenance to	£,000	£,000	
Buildings	2,146	3,088	
Road goods vehicles	85	108	
Plant, machinery and other capital equipment	663	1,089	
Insurance, licensing and depreciation of road goods vehicles (b)	378	362	
Rates, excluding water rates	2,732	3,235	
Hire of plant and machinery	536	1,099	
Postage, telephone, telegrams, cables and telex (c)	673	1,10	
Total	7,213	10,087	

- (a) No deduction is made for these payments to arrive at the figures of net output given in this report.
- (b) For details see Table 11.
- (c) Excluding telex for 1963.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

Year ended	Percentage of total returns received	Percentage of total number employed		
1968	Per cent.	Per cent.		
April (a)	1.5	1.1		
May	1.5	0.4		
June	4.0	5.0		
July	1.8	0.4		
August	2.7	6.4		
September	10.0	4.3		
October	1.2	0.1		
November	1.8	0.6		
December	48.3	48.0		
1969				
January	2.1	0.4		
February	1.5	0.3		
March	21.6	32.5		
April (b)	1.8	0.4		
	100	100		

⁽a) From 6 April.

⁽b) To 5 April.