

---

DEPARTMENT OF TRADE

---

# Casualties to Vessels and Accidents to Men

---

Vessels registered in the United Kingdom  
Return for 1976

---

*LONDON*

HER MAJESTY'S STATIONERY OFFICE

© Crown copyright 1978  
First published 1978

ISBN 0 11 512189 7

# Contents

<i>Page</i>		<i>Table</i>
	<b>Part I – Merchant Vessels</b>	
1	<b>Introduction</b>	
2	Losses of ships registered under Part I of the Merchant Shipping Act 1894: 1967 to 1976	1
2	Details of individual ships lost during 1976	2
3	Serious casualties to ships registered under Part I of the Merchant Shipping Act 1894: 1967 to 1976	3
4	Deaths among crews from all causes	4
4	Vessels on United Kingdom register: number by tonnage and age groups	5
	<b>Casualties to Vessels</b>	
5	Total losses: number by tonnage and age groups	6a
5	Serious casualties: number by tonnage and age groups	6b
6	Yearly analysis of total losses: number and gross tonnage – 1967 to 1976	7
6	Total losses: rate per number and gross tonnage at risk	Chart A
7	Yearly analysis of serious casualties: number and gross tonnage – 1967 to 1976	8
7	Serious casualties: rate per number and gross tonnage at risk	Chart B
8	Total losses and serious casualties: main causes	9
10	Minor casualties: nature of casualty by cause	10a
11	Pie diagram showing minor casualties by nature of casualty	Chart C
11	Minor casualties: nature of casualty by type of vessel	10b
12	Yearly analysis of minor casualties: number of vessels and number per 1,000 vessels at risk – 1967 to 1976	11
13	Minor casualties: number per 1,000 vessels at risk	Chart D
	<b>Deaths: Crews</b>	
12	Deaths from all causes	12
13	Deaths other than from disease: detailed causes	13
14	Deaths other than from disease: ranks, ratings and age groups	14
14	Deaths from disease: ranks, ratings and age groups	15
15	Deaths from disease: nature of disease and age groups	16
16	Deaths after discharge abroad: causes	17
17	Yearly analysis of deaths from all causes – 1967 to 1976	18
(iii)		

<i>Page</i>		<i>Table</i>
18	Deaths: number per 1,000 seamen at risk	Chart E
	<b>Deaths: Passengers</b>	
18	Deaths: Passengers and other non-crew members	19
	<b>Part II – Fishing Vessels</b>	
19	<b>Introduction</b>	
20	Fishing vessels on the United Kingdom register: numbers – 1967 to 1976	20
21	Details of individual ships lost during 1976	21
	<b>Part IIA – Deep Sea Trawlers</b>	
	<b>Casualties to Vessels</b>	
22	Total losses and serious casualties by nature (number): 1972 to 1976	22
23	Total losses and serious casualties according to nature and operational groups (number): 1972 to 1976	23
23	Total losses and serious casualties according to operational groups and age (number)	24
24	Minor casualties by nature (number): 1972 to 1976	25a
24	Minor casualties by nature (percentage): 1972 to 1976	25b
24	Pie diagram showing minor casualties: by nature of casualty: 1972 to 1976	Chart F
25	Minor casualties according to nature and operational groups (number): 1972 to 1976	26
25	Minor casualties: vessels involved in more than one incident: 1972 to 1976 (number)	27
26	Minor casualties: age analysis (number): 1972 to 1976	28a
26	Minor casualties: age analysis (percentage): 1972 to 1976	28b
26	Minor casualties according to operational groups (number): 1972 to 1976	29a
26	Minor casualties according to operational groups (percentage): 1972 to 1976	29b
28	Total losses, serious and minor casualties: yearly analysis from 1967 to 1976	30
29	Total losses and serious casualties: rate per number at risk	Chart G
29	Minor casualties: rate per number at risk	Chart H
	<b>Accidents to Men</b>	
28	Deaths on near and middle water side trawlers of length 80ft – 139.9ft by cause of accident: 1976	31a
30	Deaths on distant water side and stern trawlers of length 140ft and over by cause of accident: 1976	31b

<i>Page</i>		<i>Table</i>
30	Deaths on side trawlers by capacity: 1958 to 1976	32
31	Non-fatal injuries on near and middle water trawlers of of length 80ft – 139.9ft by cause of accident: 1976	33a
31	Non-fatal injuries on distant water side and stern trawlers of length 140ft and over by cause of accident: 1976	33b
32	Non-fatal injuries on side trawlers by capacity: 1958 to 1976	34

### **Part IIB – Fishing Vessels other than Deep Sea Trawlers**

#### **Casualties to Vessels**

34	Total losses by nature (number): 1972 to 1976	35
34	Serious casualties by nature (number): 1972 to 1976	36
35	Pie diagram showing total losses and serious casualties: by nature of casualty: 1972 to 1976	Chart I
34	Minor casualties by nature (number): 1972 to 1976	37
36	Minor casualties: vessels involved in more than one incident: 1972 to 1976 (number)	38
36	Total losses, serious and minor casualties: yearly analysis from 1972 to 1976	39
35	Pie diagram showing minor casualties: by nature of casualty: 1972 to 1976	Chart J
36	Total losses and serious casualties: rate per number at risk	Chart K
36	Minor casualties: rate per number at risk	Chart L

#### **Accidents to Men**

37	Deaths among crews from all causes: 1976	40
----	--	----

#### **Symbols**

NA not available  
– nil or negligible

The Department of Trade would be glad to have from users of the Annual Return any suggestions aimed at improving the coverage and format of this publication. Please write to:

Marine Division  
Surveyor General's Secretariat  
Room 6/63  
Sunley House  
90–93 High Holborn  
LONDON  
WC1V 6LP

# Part I Merchant Vessels

## Introduction

This part of the return consists of statistics of wrecks and other casualties reported to the Department which occurred during the year 1976 to merchant ships registered in the United Kingdom under Part I of the Merchant Shipping Act 1894, and of deaths of seamen and passengers reported in such vessels. Deaths of seamen ashore in the United Kingdom are excluded.

*The tables in this return relating to vessel casualties refer, unless otherwise stated, only to vessels of 100 gross tons and over. On the other hand the deaths shown in the return relate to vessels (other than yachts) of all sizes.*

Although the gross tonnage of vessels, other than fishing vessels, lost in 1976, totalled only 3,201 and was the lowest on record, one should not look at this figure in isolation. The gross tonnage of vessels suffering serious casualties for the same period totalled 261,697. Therefore, when one considers total losses and serious casualties as a whole, one finds that the total gross tonnage involved (264,898), although higher than the average over the previous ten years of 205,643, was not significantly different from the other years on record.

## Vessels totally lost

The total gross tonnage lost, in 1976, for vessels of 100 gross tons and over was 3,091 and was the lowest on record (see following table and table 6(a)). The previous lowest tonnage recorded was in 1974 when, for vessels of 100 gross tons and over, 10 vessels of 4,514 gross tons were lost. Three vessels, *Wittering* (1,599 gross tons), *Carnoustie* (498 gross tons) and *Judert II* (382 gross tons) accounted for eighty per cent of the total tonnage lost in 1976.

The following table also shows the gross tonnage of merchant vessels lost in the period 1967 to 1976 expressed as a percentage of the gross tonnage of vessels on the Register at the end of these years at ports in the United Kingdom.

Although not all vessels on the Register are in active employment throughout the year, the tonnage of vessels on the Register provides a good indication of the vessels at risk with which the figures of casualties can be compared.

**Table 1 Losses of ships registered under Part I of the Merchant Shipping Act 1894**

Year	Number of ships		Gross tonnage		Percentage of tonnage registered <sup>1</sup>	
	All vessels	100 GRT and over	All vessels	100 GRT and over	All vessels	100 GRT and over
1967	26	10	9,692	9,358	0.04	0.04
1968	24	5	11,484	10,870	0.05	0.04
1969	23	6	13,708	13,298	0.06	0.06
1970	28	9	49,559	49,188	0.19	0.19
1971	29	11	44,453	44,101	0.16	0.16
1972	27	11	26,133	25,782	0.09	0.09
1973	40	19	36,415	35,947	0.12	0.12
1974	26	10	4,937	4,514	0.01	0.01
1975	32	17	92,894	92,485	0.27	0.28
1976	15	7	3,201	3,091	0.01	0.01

<sup>1</sup>Gross tonnage lost expressed as a percentage of the total tonnage on the register at 31 December each year.

**Table 2 Details of Individual Ships lost during 1976**

Date	Name of vessel	Type of vessel	Age (Years)	Gross Tonnage	Description of loss
January 3	mv <i>Carnoustie</i>	Cargo	16	498	Missing <sup>2</sup>
February 11	mv <i>Sea Rhine</i>	Cargo	6	198	Foundered following list
February 24	mv <i>Wittering</i>	Cargo	12	1,599	Collision
August 11	mv <i>Wilmere</i>	Salvage Vessel	45	108	Stranding
September 2	mv <i>W F P</i>	Cargo <sup>3</sup>	19	126	Stranding <sup>4</sup>
October 1	mv <i>Sherriffmuir</i>	Oil-rig <sup>5</sup> Standby	24	180	Stranding <sup>4</sup>
November 9	mv <i>Judert II</i>	Cargo	19	382	Collision

<sup>2</sup> Presumed foundered due to shift of cargo

<sup>3</sup> Ex-trawler in use as a cargo vessel

<sup>4</sup> Constructive total losses

<sup>5</sup> Fishing vessel in use as an oil-rig standby vessel

### Casualties other than total losses

The following table shows the number and gross tonnage of power-driven merchant vessels which suffered serious casualties in the period 1967–1976. For the purpose of this return the expression 'serious casualty' means any casualty:

- (a) where the vessel is in danger of becoming a total loss, for instance where salvage assistance is required; or
- (b) where serious damage is sustained so as to affect the seaworthiness of the vessel; or
- (c) where the vessel is sunk, but as far as is known, has been subsequently raised and repaired; or
- (d) where human life is lost; or
- (e) where serious financial loss occurs in relation to the size and value of the vessel.

**Table 3 Serious casualties to ships registered under Part I of the Merchant Shipping Act 1894**

Year	Number of ships		Gross tonnage		Percentage of tonnage registered <sup>6</sup>	
	All vessels	100 GRT and over	All vessels	100 GRT and over	All vessels	100 GRT and over
1967	23	16	172,154	172,001	0.79	0.80
1968	26	22	163,037	162,936	0.72	0.73
1969	29	19	177,059	176,862	0.74	0.75
1970	13	9	250,608	250,555	0.97	0.98
1971	19	11	167,155	166,990	0.61	0.61
1972	12	9	250,317	250,218	0.86	0.87
1973	25	22	241,070	240,880	0.78	0.78
1974	17	14	194,598	194,574	0.59	0.60
1975	17	12	83,957	83,887	0.25	0.25
1976	15	8	261,697	261,542	0.81	0.82

<sup>6</sup>Gross tonnage seriously damaged expressed as a percentage of the total tonnage on the Register at 31 December each year.

The total tonnage involved in serious casualties, in 1976, for vessels of 100 gross tons and over was 261,542 which compares with the annual average over the previous ten years of 173,499 gross tons. The tonnage as a proportion of the registered fleet, as shown above, has not exceeded 1 per cent in any year. Explosions and fires accounted for casualties to one tanker, the *Alinda* (12,301 gross tons) and three other vessels (122,653 gross tons) altogether amounting to 134,954 gross tons or fifty-two per cent of the total (see table 6(b)).

The number of minor casualties to vessels which were reported in 1976 was 957 of which 921 related to vessels of 100 gross tons and over (see tables 10(a) and (b)). Corresponding figures for 1975 were 973 and 917 respectively.

#### **Formal investigations into casualties**

There were no formal investigations ordered to be held into the causes of casualties occurring during 1976.

#### **Loss of life**

There were 147 deaths among crews of merchant vessels of all sizes in 1976; the lowest figure recorded during the 20 years between 1955 and 1975 inclusive was 227 in 1973. No deaths were recorded in respect of merchant sailing vessels nor on vessels provisionally registered in the United Kingdom in 1976.

There were 14 deaths from casualties to vessels in 1976. This figure includes 8 lives which were lost aboard the mv *Carnoustie*. During the ten years covered by Table 14, the highest number of lives lost as a result of casualties to vessels was 75 in 1972, of which 64 were the crew of the *Royston Grange*.

Of the deaths due to other accidents in 1976 shown below, 12 were crew members missing at sea; there were 32 from accidents aboard ship and 14 from accidents ashore (see Tables 12 and 13). There were 10 suicides and homicides (see Tables 12 and 13) during the year and 65 deaths from disease (see Tables 12, 15, 16 and 17).

The classification of deaths from disease is based on the *Manual of the International Statistical Classification of Diseases, Injuries and Causes of Death* – Sixth Revision, adopted in 1948 by the World Health Organisation, Geneva.

Complete statistics are not available as deaths of seamen occurring ashore, after discharge in the United Kingdom – even though due to accidents sustained at sea – are not reported to the Registrar-General of Shipping and Seamen. Statistics relating to non-fatal injuries to merchant seamen are not available as there is currently no requirement for them to be reported to the Department.

**Table 4 Deaths among crews from all causes**

Cause of death	Yearly average 1934 to 1938	Yearly average 1966 to 1970	Yearly average 1971 to 1975	Year 1975  Total	Year 1976			
					Total	British	Foreign	Asian Seamen
Casualties to vessels	82	33	31	33	15	14	1	—
Other accidents	227	82	70	71	57	41	3	13
Disease, homicide or suicide	492	173	145	131	75	53	—	22
<b>Total</b>	<b>801</b>	<b>288</b>	<b>246</b>	<b>235</b>	<b>147</b>	<b>108</b>	<b>4</b>	<b>35</b>
<i>of which:</i>								
Asian Seamen	193	86	69	62	35			

**Table 5 Vessels on United Kingdom register\*: number by tonnage and age groups  
(at 31 December 1976)**

Tonnage groups (Gross tons)	At 31 December 1976	Age groups		At 31 December 1976
		Exceeding	Not exceeding	
100 and under 500	1,012	—	5 years	770
500 and under 2,000	786	5	10 years	746
2,000 and under 4,000	130	10	15 years	602
4,000 and under 6,000	122	15	20 years	494
6,000 and under 8,000	128	20	25 years	279
8,000 and under 10,000	184	25 years		192
10,000 and over	731	Age unknown		10
<b>Total</b>	<b>3,093</b>		<b>Total</b>	<b>3,093</b>

\*Other than sailing and fishing vessels and pleasure craft.

Table 6 Total losses and serious casualties: number by tonnage and age groups

A Total losses - 1976

	Tonnage groups (gross tons)							Age groups (years of age)						Total
	100 and under 500	500 and under 2,000	2,000 and under 4,000	4,000 and under 6,000	6,000 and under 8,000	8,000 and under 10,000	10,000 and over	Up to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 and over	
<i>All ships</i>														
<i>Laden</i>														
Foundering	1	—	—	—	—	—	—	—	1	—	—	—	—	1
Strandings	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Collisions	1	1	—	—	—	—	—	—	—	1	1	—	—	2
Missing	1	—	—	—	—	—	—	—	—	—	1	—	—	1
Explosions and fires	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other casualties	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Total</b>	<b>3</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>4</b>
<i>In ballast</i>														
Foundering	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Strandings	3	—	—	—	—	—	—	—	—	—	1	1	1	3
Collisions	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Missing	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Explosions and fires	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other casualties	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Total</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>
<b>Total 1976</b>	<b>6</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>7†</b>
<b>Total 1975</b>	<b>7</b>	<b>5*</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>—</b>	<b>2</b>	<b>17</b>

† All under 1,600 gross tons.

\* Two over 1,600 gross tons.

B. Serious Casualties\* - 1976

	Tonnage groups (gross tons)							Age groups (years of age)						Total
	100 and under 500	500 and under 2,000	2,000 and under 4,000	4,000 and under 6,000	6,000 and under 8,000	8,000 and under 10,000	10,000 and over	Up to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 and over	
<i>All ships</i>														
<i>Laden</i>														
Foundering	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Strandings	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Collisions	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Explosions and fires	—	—	—	—	—	—	3	2	1	—	—	—	—	3
Other casualties	—	—	—	—	—	—	1	—	—	1	—	—	—	1
<b>Total</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4</b>
<i>In ballast</i>														
Foundering	2	—	—	—	—	—	—	—	—	—	—	1	1	2
Strandings	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Collisions	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Explosions and fires	—	—	—	—	—	—	1	—	—	—	1	—	—	1
Other casualties	—	—	—	—	—	—	1	1	—	—	—	—	—	1
<b>Total</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>
<b>Total 1976</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>8</b>
<b>Total 1975</b>	<b>2</b>	<b>4†</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>12</b>

\* For definition of 'serious casualty' see page 2

† One over 1,600 gross tons.

**Table 7 Yearly analysis of total losses: number and gross tonnage – 1967 to 1976**

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
<b>Number</b>										
Foundering	3	2	3	5	4	3	4	3	6	1
Strandings	4	1	1	3	4	1	5	1	7	3
Collisions	1	—	—	—	1	3	3	2	1	2
Missing	1	—	—	—	—	—	—	—	—	1
Explosions and fires	1	2	2	1	—	3	4	2	1	—
Other casualties	—	—	—	—	2	1	3	2	2	—
<i>Total</i>	10	5	6	9	11	11	19	10	17	7
Number per 1,000 vessels at risk	2.5	1.3	1.6	2.5	3.1	3.3	5.7	3.0	5.2	2.3
<b>Gross tonnage</b>										
Foundering	664	488	1,207	17,524	2,361	716	1,750	835	29,867	198
Strandings	1,543	532	1,178	30,965	24,282	2,148	10,188	334	56,769	414
Collisions	230	—	—	—	251	11,209	12,890	994	344	1,981
Missings	6,656	—	—	—	—	—	—	—	—	498
Explosions and fires	265	9,850	10,913	699	—	11,000	8,071	1,271	3,597	—
Other casualties	—	—	—	—	17,207	709	3,048	1,080	1,908	—
<i>Total</i>	9,358	10,870	13,298	49,188	44,101	25,782	35,947	4,514	92,485	3,091
Tonnage per 1,000 gross tons at risk	0.4	0.4	0.6	1.9	1.6	0.9	1.2	0.1	2.8	0.1
Merchant vessels of 100 gross tons and over on the United Kingdom register at the end of each year										
Number	3,956	3,812	3,779	3,634	3,528	3,364	3,355	3,343	3,282	3,093
Thousand gross tons	21,367	22,121	23,577	25,352	26,951	28,577	30,735	32,681	33,511	31,792

**CHART A (see Table 7) – TOTAL LOSSES**

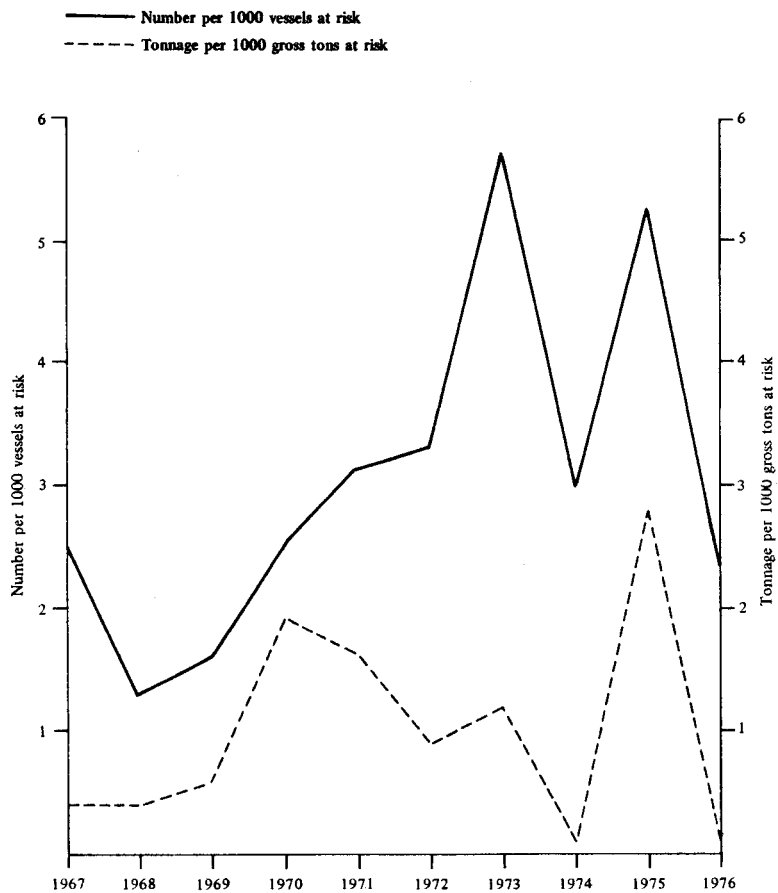
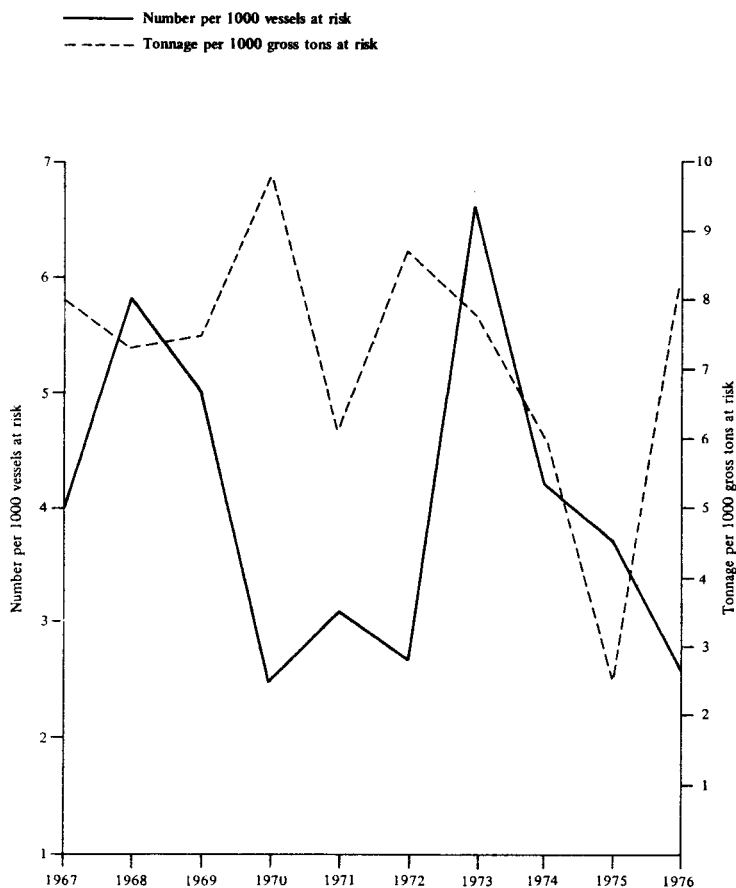


Table 8 Yearly analysis of serious casualties: number and gross tonnage – 1967 to 1976

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
<b>Number</b>										
Foundering	3	2	2	—	4	2	1	—	—	2
Strandings	1	4	4	2	1	1	3	3	2	—
Collisions	3	4	7	2	—	—	5	1	1	—
Explosions and fires	9	11	6	5	4	5	8	7	7	4
Other casualties	—	1	—	—	2	1	5	3	2	2
<i>Total</i>	16	22	19	9	11	9	22	14	12	8
<b>Number per 1,000 vessels at risk</b>										
	4.0	5.8	5.0	2.5	3.1	2.7	6.6	4.2	3.7	2.6
<b>Gross tonnage</b>										
Foundering	9,692	10,783	759	—	944	1,327	118	—	—	454
Strandings	7,119	22,165	7,761	139,650	8,116	525	88,522	7,205	1,533	—
Collisions	9,117	22,115	22,307	12,604	—	—	11,595	16,704	229	—
Explosions and fires	146,073	107,576	146,035	98,301	134,990	237,440	110,180	157,318	53,391	134,954
Other casualties	—	297	—	—	22,940	10,926	30,465	13,347	28,734	126,134
<i>Total</i>	172,001	162,936	176,862	250,555	166,990	250,218	240,880	194,574	83,887	261,542
<b>Tonnage per 1,000 gross tons at risk</b>										
	8.0	7.3	7.5	9.8	6.1	8.7	7.8	6.0	2.5	8.2
<b>Merchant vessels of 100 gross tons and over on the United Kingdom register at the end of each year</b>										
Number	3,946	3,812	3,779	3,634	3,528	3,364	3,335	3,343	3,282	3,093
Thousand gross tons	21,367	22,121	23,577	25,353	26,951	28,577	30,735	32,681	33,511	31,792

CHART B (see Table 8) – SERIOUS CASUALTIES



**Table 9 Total losses and serious casualties: main causes – 1976**

Cause of casualty	Nature of casualty							Total 1976	Total 1975
	Foundering	Strandings	Collisions	Fires	Explosions	Capsizings	Others		
<b>Navigation</b>									
Striking uncharted objects	–	–	–	–	–	–	–	–	–
Passage through ice	–	–	–	–	–	–	–	–	–
Other causes	1	2	2	–	–	–	–	5	7
<i>Total</i>	1	2	2	–	–	–	–	5	7
<b>Fires and explosions</b>									
In machinery spaces	–	–	–	1	–	–	–	1	4
In accommodation	–	–	–	2	–	–	–	2	2
In cargo spaces	–	–	–	–	–	–	–	–	1
In pump room	–	–	–	–	–	–	–	–	–
In service and other spaces	–	–	–	–	–	–	–	–	1
<i>Total</i>	–	–	–	3	–	–	–	3	8
<b>Floodings and lists</b>									
Improper stowage of cargo	–	–	–	–	–	–	–	–	1
Incorrect ballasting or fuelling sequence	–	–	–	–	–	–	–	–	–
Closing appliances improperly closed	–	–	–	–	–	–	–	–	–
Hull defects	–	–	–	–	–	–	–	–	–
Other causes (including shift of cargo)	1	–	–	–	–	–	1	2	3
<i>Total</i>	1	–	–	–	–	–	1	2	4
<b>Equipment, machinery, etc</b>									
Machinery and boilers	–	–	–	1	1†	–	1	3	2
Steering	–	–	–	–	–	–	–	–	1
Propeller or propeller shaft	–	1	–	–	–	–	–	1	–
Other equipment or machinery	–	–	–	–	–	–	–	–	–
<i>Total</i>	–	1	–	1	1	–	1	4	3
<b>Weather conditions</b>									
Heavy weather	–	–	–	–	–	–	–	–	6
Fog	–	–	–	–	–	–	–	–	1
Abnormal tides or currents	–	–	–	–	–	–	–	–	–
<i>Total</i>	–	–	–	–	–	–	–	–	7
<b>Cause unknown</b>	1	–	–	–	–	–	–	1	–
<b>Grand Total 1976</b>	3	3	2	4	1	–	2	15	–
of which human error contributed	–	–	2	–	–	–	–	2	–
<b>Grand Total 1975</b>	6	9	2	7	1	1	3	–	29
of which human error contributed	–	4	1	–	–	1	–	–	6

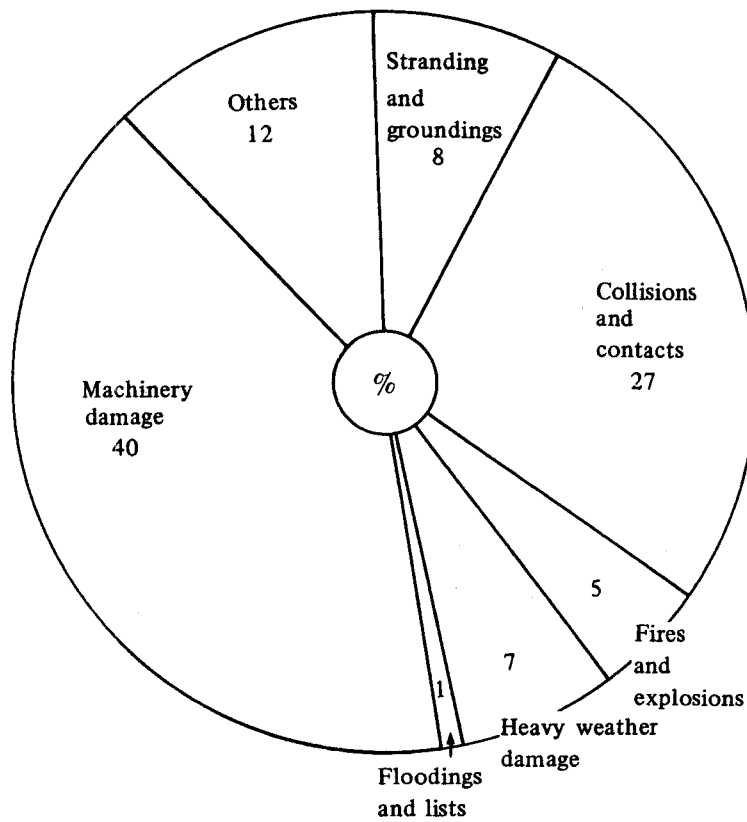
† This refers to a boiler explosion, which is noted in all other relevant tables under the heading "Others" and not "Fires and explosions."

Table 10(a) Minor casualties: nature of casualty (a) by cause — 1976

(a) Cause of casualty	Nature of casualty							Total 1976	Total 1975
	Strand-ings and ground-ings	Collis-sions and con-tacts	Fires and explo-sions	Heavy weather damage	Flood-ings and lists	Mach-inery damage	Others		
<b>Navigation</b>									
Striking uncharted objects	—	1	—	—	—	—	—	1	8
Passage through ice	1	1	—	—	1	—	6	9	8
Other causes	37	190	—	—	—	—	7	234	201
<i>Total</i>	38	192	—	—	1	—	13	244	217
<b>Fires and explosions</b>									
In machinery spaces	—	—	22	—	—	—	—	22	23
In accommodation	—	—	6	—	—	—	—	6	4
In cargo spaces	—	—	9	—	—	—	—	9	11
In pump room	—	—	1	—	—	—	—	1	4
In service and other spaces	—	—	9	—	—	—	—	9	14
<i>Total</i>	—	—	47	—	—	—	—	47	56
<b>Floodings and lists</b>									
Improper stowage of cargo	—	—	—	—	2	—	6	8	3
Incorrect ballasting or fuelling sequence	—	—	—	—	1	—	2	3	—
Closing appliances improperly closed	—	—	—	—	—	—	1	1	—
Hull defects	—	—	—	—	—	—	14	14	1
Other causes (including shift of cargo)	—	—	—	—	2	1	—	3	10
<i>Total</i>	—	—	—	—	5	1	23	29	14
<b>Equipment, machinery, etc</b>									
Machinery and boilers	3	7	—	—	—	307	2	319	302
Steering	3	—	—	—	—	19	—	22	28
Propeller or propeller shaft	—	4	—	—	—	18	7	29	20
Other equipment or machinery	—	—	—	—	1	22	13	36	41
<i>Total</i>	6	11	—	—	1	366	22	406	391
<b>Weather conditions</b>									
Heavy weather	1	16	—	62	—	—	6	85	54
Fog	3	9	—	—	—	—	—	12	8
Abnormal tides or currents	—	1	—	—	—	—	—	1	9
<i>Total</i>	4	26	—	62	—	—	6	98	71
<b>Miscellaneous known causes</b>									
Cause unknown	1	9	—	—	1	1	26	38	91
Cause unknown	26	6	—	—	4	—	23	59	77
<b>Grand Total 1976</b>	75	244	47	62	12	368	113	921	
<b>Grand Total 1975</b>	91	255	56	47	17	368	83		917

CHART C (see Table 10(a))

MINOR CASUALTIES TO MERCHANT VESSELS:  
BY NATURE OF CASUALTY – 1976



Total = 921

Table 10(b) Minor casualties: nature of casualty (b) by type of vessel – 1976

(b) Type of vessel	Nature of casualty							Total 1976	Total 1975
	Strandings and groundings	Collisions and contacts	Fires and explosions	Heavy weather damage	Floodings and lists	Machinery damage	Others		
Passenger*	4	18	7	2	—	11	1	43	39
Dry cargo*	58	188	32	56	10	287	99	730	707
Tanker	13	38	8	4	2	70	13	148	171
All vessels 1976	75	244	47	62	12	368	113	921	
All vessels 1975	91	255	56	47	17	368	83		917

\*For the purpose of this return, the expression 'passenger ship' means any vessel permitted to carry more than 12 passengers and 'dry cargo ship' means any cargo vessel other than a tanker.

**Table 11 Yearly analysis of minor casualties: number of vessels and number per thousand vessels at risk — 1967 to 1976**

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Strandings and groundings	69	109	104	116	91	108	101	80	91	75
Collisions and contacts	203	294	206	195	170	270	235	224	255	244
Fires and explosions	74	103	86	86	68	65	61	43	56	47
Other casualties*	629	750	885	745	666	530	460	564	515	555
<i>Total</i>	975	1,256	1,281	1,142	995	973	857	911	917	921
Number per thousand vessels at risk	246	329	339	314	282	289	255	273	279	298
Merchant vessels of 100 gross tons and over on the United Kingdom register at the end of each year										
Number	3,956	3,812	3,779	3,634	3,528	3,364	3,355	3,343	3,282	3,093

\*Other casualties: includes heavy weather damage, flooding and lists, machinery damage and other minor casualties not included in any categories mentioned. (see Tables 10(a) and (b))

**Table 12 Deaths among crews from all causes — 1976**

Cause of death	Officers and ratings*			Asian seamen			All seamen			Total 1975
	Deaths at sea	Deaths in river or harbour	Total	Deaths at sea	Deaths in river or harbour	Total	Deaths at sea	Deaths in river or harbour	Total 1976	
<b>Deaths from casualties to vessels:</b>										
Foundering	—	—	—	—	—	—	—	—	—	24
Strandings	—	—	—	—	—	—	—	—	—	—
Collisions	—	—	—	—	—	—	—	—	—	1
Missing vessels	8	—	8	—	—	—	8	—	8	—
Explosions and fires	1	4	5	—	—	—	1	4	5	7
Other casualties	—	1	1	—	—	—	—	1	1	1
<i>Total</i>	9	5	14	—	—	—	9	5	14	33
<b>Deaths from accidents other than casualties to vessels:</b>										
Accidents on board	10	14	24	6	2	8	16	16	32	38
Accidents ashore	—	13	13	—	1	1	—	14	14	27
Deaths from homicide	1	2	3	—	3	3	1	5	6	4
Deaths from suicide	2	1	3	1	—	1	3	1	4	22
Missing at sea	8	—	8	4	—	4	12	—	12	6
Deaths from disease	18	29	47	10	8	18	28	37	65	105
<i>Total 1976</i>	48	64	112	21	14	35	69	78	147	
<i>Total 1975</i>	89	84	173	28	34	62	117	118		235

\*Excluding Asian Seamen.

CHART D (see Table 11) – MINOR CASUALTIES

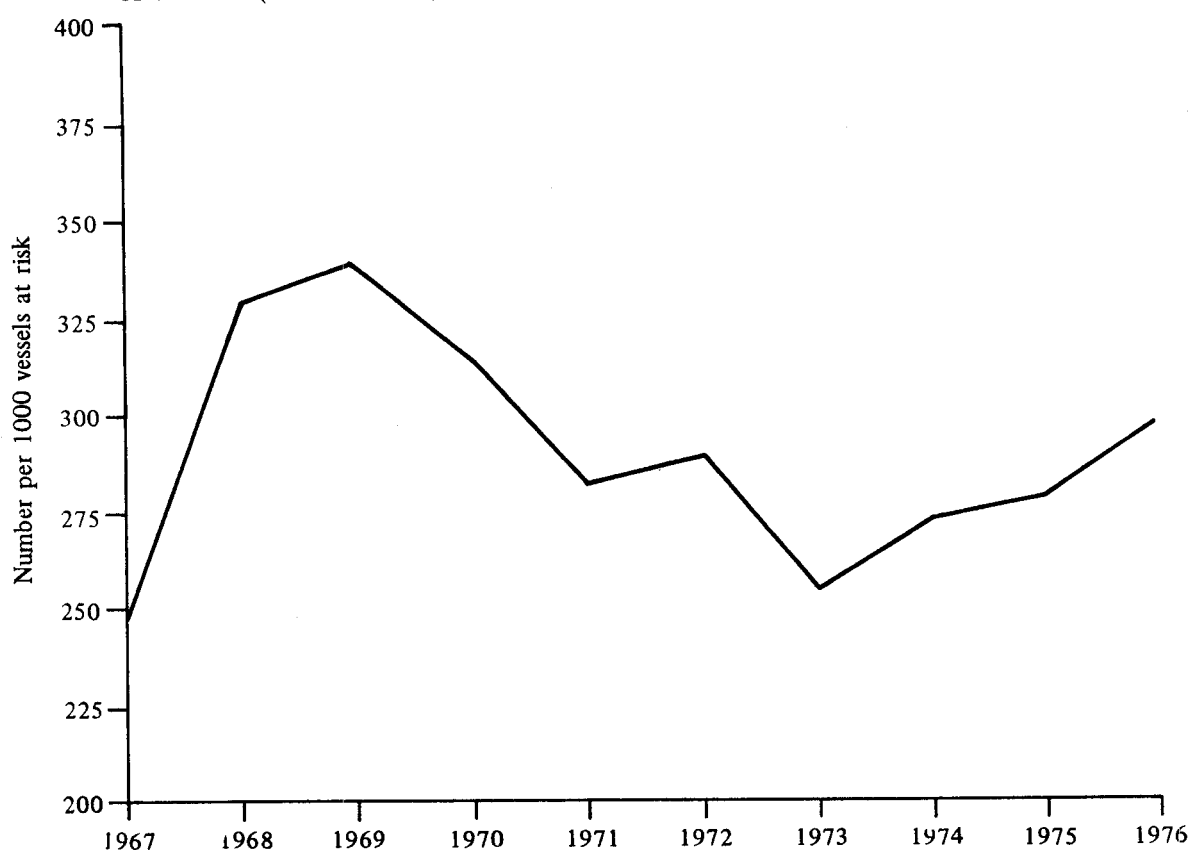


Table 13 Deaths among crews other than from disease: detailed causes – 1975 and 1976

<i>Cause of death</i>	<i>Officers and ratings</i>	<i>Asian seamen</i>	<i>Total 1976</i>	<i>Officers and ratings</i>	<i>Asian seamen</i>	<i>Total 1975</i>
<i>Casualties to vessels</i>						
Foundering	—	—	—	20	4	24
Strandings	—	—	—	—	—	—
Collisions	—	—	—	1	—	1
Missing vessels	8	—	8	—	—	—
Explosions and fires	5	—	5	4	3	7
Other casualties	1	—	1	—	1	1
<i>Total</i>	14	—	14	25	8	33
<b>Other accidental deaths</b>						
Accidents, etc, in engine room and stokehold	4	1	5	5	1	6
Falls from aloft	4	—	4	5	2	7
Killed on deck of vessel	4	2	6	1	1	2
Fell down hatchways, etc	7	4	11	11	2	13
Fell overboard from deck of vessel	5	1	6	4	1	5
Washed overboard	—	—	—	—	—	—
Killed or drowned coming aboard from ashore	3	—	3	12	1	13
Drowned in dock, etc, ashore	7	—	7	7	—	7
Killed or missing ashore	2	1	3	4	1	5
Drowned bathing	1	—	1	2	—	2
Homicide	3	3	6	3	1	4
Suicide or supposed suicide	3	1	4	17	5	22
Missing at sea	8	4	12	5	1	6
Other causes	—	—	—	5	—	5
<i>Total</i>	51	17	68	81	16	97
<i>Grand total</i>	65	17	82	106	24	130

Table 14 Deaths among crews other than from disease: ranks, ratings, and age groups — 1975 and 1976

<i>Ranks, ratings</i>	<i>British subjects</i>	<i>Foreign subjects</i>	<i>Asian seamen</i>	<i>Total 1976</i>	<i>British subjects</i>	<i>Foreign subjects</i>	<i>Asian seamen</i>	<i>Total 1975</i>
Masters and deck officers	9	—	1	10	12	—	—	12
Apprentices and cadets	5	—	—	5	4	—	—	4
Engineer officers	9	2	1	12	13	—	1	14
Radio officers	—	—	—	—	—	—	—	—
Deck ratings	16	1	9	26	39	4	8	51
Engine-room ratings	5	—	3	8	16	2	7	25
Catering ratings (including pursers and writers)	15	—	2	17	11	4	8	23
Miscellaneous (including surgeons)	2	1	1	4	—	1	—	1
<i>Total</i>	61	4	17	82	95	11	24	130
<b>Age groups</b>								
Under 20 years of age	9	—	—	9	10	1	1	12
20 to 24 years	6	2	—	8	10	2	4	16
25 to 34 years	17	—	2	19	29	6	9	44
35 to 44 years	13	1	9	23	10	1	4	15
45 to 54 years	10	—	5	15	20	1	2	23
55 to 64 years	5	1	1	7	16	—	4	20
65 years and over	1	—	—	1	—	—	—	—
Ages not specified	—	—	—	—	—	—	—	—
<i>Total</i>	61	4	17	82	95	11	24	130

Table 15 Deaths among crews from disease: ranks, ratings and age groups — 1975 and 1976

<i>Ranks, ratings</i>	<i>British subjects</i>	<i>Foreign subjects</i>	<i>Asian seamen</i>	<i>Total 1976</i>	<i>British subjects</i>	<i>Foreign subjects</i>	<i>Asian seamen</i>	<i>Total 1975</i>
Masters and deck officers	7	—	—	7	11	—	—	11
Apprentices and cadets	—	—	—	—	1	—	—	1
Engineer officers	11	—	—	11	5	—	—	5
Radio officers	2	—	—	2	2	—	—	2
Deck ratings	8	—	6	14	23	—	12	35
Engine-room ratings	7	—	6	13	9	—	11	20
Catering ratings (including pursers and writers)	11	—	6	17	15	—	15	30
Miscellaneous (including surgeons)	1	—	—	1	1	—	—	1
<i>Total</i>	47	—	18	65	67	—	38	105
<b>Age groups</b>								
Under 20 years of age	—	—	—	—	2	—	—	2
20 to 24 years	2	—	—	2	—	—	—	—
25 to 34 years	—	—	2	2	5	—	3	8
35 to 44 years	7	—	1	8	14	—	9	23
45 to 54 years	20	—	4	24	19	—	8	27
55 to 64 years	18	—	11	29	26	—	18	44
65 years and over	—	—	—	—	1	—	—	1
Ages not specified	—	—	—	—	—	—	—	—
<i>Total</i>	47	—	18	65	67	—	38	105

Table 16 Deaths among crews from disease: nature of disease and age groups — 1976

Nature of disease	British sub-jects	Foreign sub-jects	Asian seamen	Age groups (years of age)						Total 1976	Total 1975	
				Under 20	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64			65 and over
<b>Infective and parasitic diseases</b>												
Malaria (including blackwater fever)	—	—	—	—	—	—	—	—	—	—	—	1
<b>Neoplasms</b>												
Cancer and malignant tumours etc	1	—	—	—	—	—	—	—	1	—	1	2
<b>Endocrine system, metabolic and nutritional diseases</b>												
Diabetes	—	—	—	—	—	—	—	—	—	—	—	1
<b>Diseases of the blood and blood forming organs</b>												
—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Mental psychoneurotic and personality disorders</b>												
Alcoholism	1	—	1	—	1	1	—	—	—	—	2	3
<b>Diseases of the nervous system and sense organs</b>												
Cerebral haemorrhage	5	—	1	—	—	—	—	3	3	—	6	8
<b>Diseases of the circulatory system</b>												
Heart disease	7	—	1	—	—	—	1	3	4	—	8	3
Coronary thrombosis	22	—	9	—	1	1	2	11	16	—	31	57
Aneurysm	—	—	1	—	—	—	—	—	1	—	1	2
<b>Diseases of the respiratory system</b>												
Pneumonia	1	—	—	—	—	—	—	1	—	—	1	4
Bronchitis	1	—	—	—	—	—	—	—	1	—	1	1
Other	1	—	1	—	—	—	—	1	1	—	2	4
<b>Diseases of the digestive system</b>												
Ulcer of the stomach or duodenum	3	—	1	—	—	—	1	2	1	—	4	1
Other diseases of stomach or duodenum	—	—	—	—	—	—	—	—	—	—	—	1
Appendicitis	—	—	—	—	—	—	—	—	—	—	—	1
Chronic enteritis and ulcerative colitis	—	—	—	—	—	—	—	—	—	—	—	1
Peritonitis	—	—	—	—	—	—	—	—	—	—	—	1
Cirrhosis of liver	2	—	—	—	—	—	1	1	—	—	2	5
Other diseases of liver	—	—	—	—	—	—	—	—	—	—	—	1
Diseases of pancreas	1	—	—	—	—	—	1	—	—	—	1	—
Other	—	—	—	—	—	—	—	—	—	—	—	1
<b>Diseases of the genito-urinary system</b>												
Nephritis and nephrosis	—	—	2	—	—	—	1	1	—	—	2	—
<b>Diseases of the skin and cellular tissue</b>												
—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Diseases of the bones and organs of movement</b>												
—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Symptoms, senility and ill-defined conditions</b>												
—	—	—	1	—	—	—	—	—	1	—	1	7
<b>Food poisoning and excessive heat</b>												
Excessive heat and insolation (including heat apoplexy, heat exhaustion and heat stroke)	2	—	—	—	—	—	1	1	—	—	2	—
<i>Total</i>	47	—	18	—	2	2	8	24	29	—	65	105

Table 17 Deaths among crews after discharge abroad: causes (these deaths are included in tables 12, 13, 14, 15 and 16) – 1976

<i>Causes of death</i>	<i>British subjects</i>	<i>Foreign subjects</i>	<i>Asian seamen</i>	<i>Total 1976</i>	<i>Total 1975</i>
<b>Accident or injury</b>					
Injuries on deck	—	—	—	—	—
Fell down hatchway	2	—	1	3	3
Fell overboard	—	—	—	—	—
Killed or drowned coming aboard from ashore	—	—	—	—	1
Drowned in dock, etc ashore	—	—	—	—	—
Killed or missing ashore	—	—	—	—	4
Other accidents	1	—	1	2	1
Homicide	1	—	—	1	1
Suicide	—	—	—	—	—
<i>Total due to accident or injury</i>	4	—	2	6	10
<b>Disease etc</b>					
<b>Infective and parasitic diseases</b>					
Malaria (including blackwater fever)	—	—	—	—	1
<b>Neoplasms</b>					
Cancer and malignant tumours etc	1	—	—	1	1
<b>Endocrine system, metabolic and nutritional diseases</b>					
Diabetes	—	—	—	—	1
<b>Diseases of the blood and blood forming organs</b>					
	—	—	—	—	—
<b>Mental psychoneurotic and personality disorders</b>					
	—	—	1	1	—
<b>Diseases of the nervous system and sense organs</b>					
Cerebral haemorrhage	2	—	1	3	2
<b>Diseases of the circulatory system</b>					
Heart disease	1	—	1	2	2
Coronary thrombosis	4	—	—	4	6
Aneurysm	—	—	—	—	1
<b>Diseases of the respiratory system</b>					
Other	1	—	—	1	1
<b>Diseases of the digestive system</b>					
Ulcer of the stomach or duodenum	2	—	—	2	1
Other diseases of stomach or duodenum	—	—	—	—	—
Chronic enteritis and ulcerative colitis	—	—	—	—	1
Peritonitis	—	—	—	—	—
Cirrhosis of Liver	1	—	—	1	3
Other diseases of liver	—	—	—	—	—
Diseases of pancreas	1	—	—	1	—
<b>Diseases of the genito-urinary system</b>					
	—	—	—	—	—
<b>Diseases of the skin and cellular tissue</b>					
	—	—	—	—	—
<b>Diseases of the bones and organs of movement</b>					
	—	—	—	—	—
<b>Symptoms, senility and ill-defined conditions</b>					
	—	—	—	—	1
<b>Food poisoning and excessive heat</b>					
	—	—	—	—	—
<i>Total due to disease, etc</i>	13	—	3	16	21

Table 18 Yearly analysis of deaths among crews from all causes\* — 1967 to 1976

<i>Cause of death</i>	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
<b>Deaths from casualties to vessels:</b>										
Foundering	—	3	3	30	4	4	6	7	24	—
Strandings	—	—	—	—	—	—	—	—	—	—
Collisions	—	—	4	—	—	65	3	—	1	—
Missing vessels	42	—	—	—	—	—	—	—	—	8
Explosions and fires	3	6	6	2	3	5	6	6	7	5
Other casualties	—	—	—	—	7	1	4	—	1	1
<i>Total</i>	45	9	13	32	14	75	19	13	33	14
<b>Deaths from accidents other than casualties to vessels:</b>										
Accidents on board	33	32	37	45	25	20	30	34	38	32
Accidents ashore	29	17	22	13	28	24	31	30	27	14
Deaths from homicide	9	2	1	5	5	5	2	7	4	6
Deaths from suicide	27	19	19	30	31	25	13	17	22	4
Missing at sea	29	17	20	14	10	15	22	11	6	12
Deaths from disease	153	136	162	137	134	127	110	118	105	65
<i>Total</i>	280	223	261	244	233	216	208	217	202	133
<i>Grand total</i>	325	232	274	276	247	291	227	230	235	147
<b>Deaths per thousand seamen at risk</b>										
Deaths from casualties to, and accidents on board vessels	1.1	0.6	0.8	1.0	0.6	1.4	0.9	0.9	1.2	0.9
Deaths from all causes	3.2	2.5	3.0	3.1	2.8	3.6	2.9	3.6	3.7	2.3
Estimated number of seamen at risk on average each year (thousands)†	101	93	91	90	88	81	78	64	64	63

\*Deaths of seamen ashore in the United Kingdom are excluded.

†For the period 1967 to 1973 the number of UK seamen at risk each year has been estimated on the assumption that just under three-quarters of the seamen on the Cardiff Seamen's Register, allowing for those seamen who were kept on the Register for twelve months after their last voyage if the Registrar-General had not been informed that they had definitely left the sea, were on articles at any date. An estimate of the number of Asian seamen has been added to the estimated number of UK seamen to give the total number of seamen at risk, on average, each year. Statistics from the Cardiff Seamen's Register ceased at the end of 1972 and figures for the years 1974 to 1976 have been estimated on the basis of returns made by the General Council of British Shipping.

CHART E (see Table 18) – DEATHS AMONG CREWS

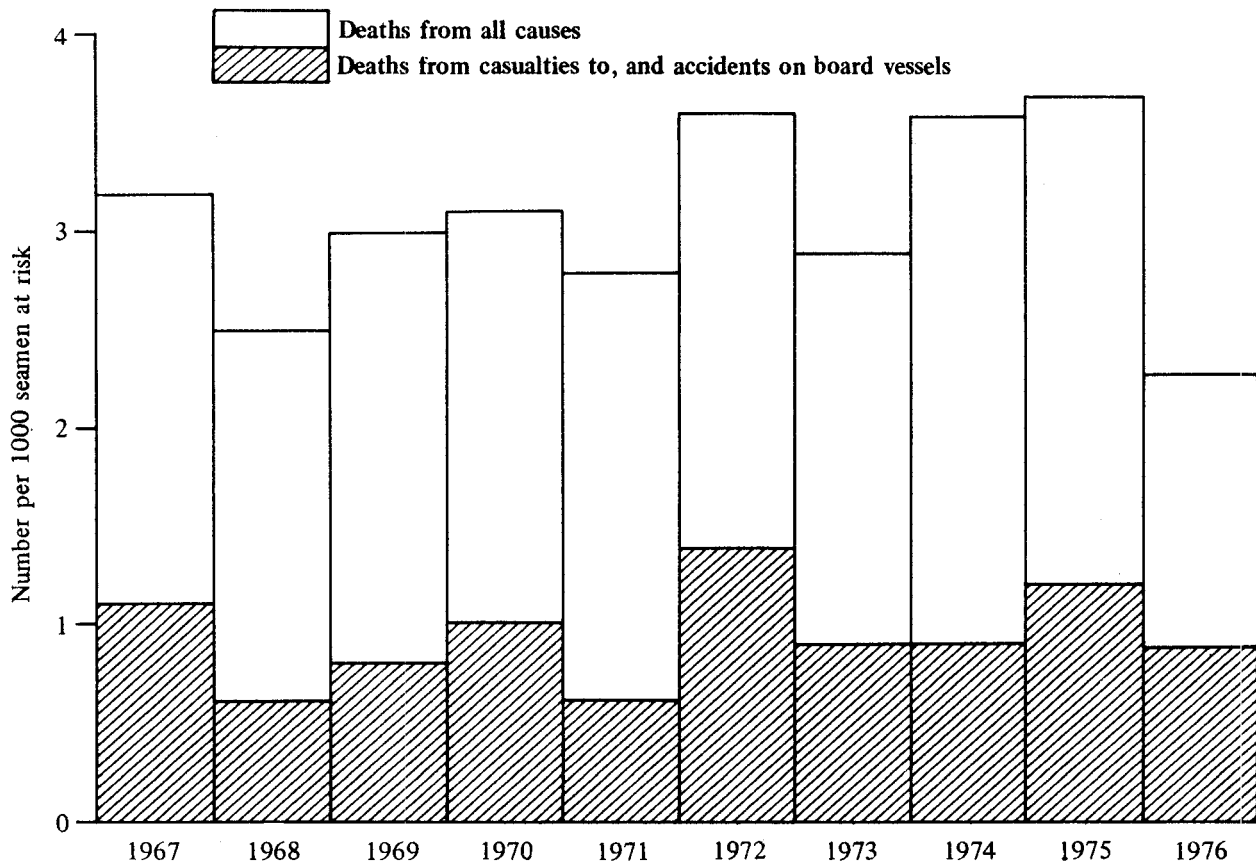


Table 19 Deaths among passengers and other non-crew members – 1976

<i>Cause of death</i>	<i>Deaths at sea</i>	<i>Deaths in river or harbour</i>	<i>Total 1976</i>	<i>Total 1975</i>
Casualties to vessels	2	3	5	—
Accidents other than casualties to vessels	—	—	—	4
Homicide	—	—	—	—
Suicide	1	—	1	3
Missing at sea	—	—	—	3
Disease	47	14	61	54
<i>Total</i>	50	17	67	64

## Part II Fishing Vessels

### Introduction

This part of the return is divided into two sections dealing respectively with (i) casualties to deep sea trawlers and with deaths and injuries of their crews, and (ii) casualties to fishing vessels other than deep sea trawlers and deaths among their crews.

### Total losses and serious casualties

In order to provide a more comprehensive coverage of casualties to fishing vessels, a review was carried out of the basic data, relating to major casualties, held by MAFF, DAFS and the Department of Trade for the years 1962 to 1976. This revealed that there has been over the years a substantial number of losses and serious casualties to registered vessels, especially those under 80ft, which have not previously appeared in the annual return, and therefore tables 22, 23, 24, 30, 35, and 39 have been revised to take account of them.

The data on minor casualties to fishing vessels however, remains as previously published.

### Deep sea trawlers

The tables in this section follow the same pattern as was adopted when the previous statistics relating to deep sea trawler casualties and crew deaths and injuries were published (see note 1); their publication is in response to one of the recommendations of the *Report of the Committee of Inquiry into Trawler Safety (CITS)* (see note 2).

In the case of casualties to vessels, this return contains statistics relating to the years 1972 to 1976 inclusive together with comparative data for the two previous five-year periods, which is, in its turn, complementary to the statistics dealt with in paragraphs 15–21 of the CITS Report.

The tables dealing with deaths and personal accidents relate to 1976 only and are complementary to the statistics published in previous returns and those for the period 1958 to 1967 discussed in paragraphs 10–14 of the CITS Report.

For the purposes of this return the three operational groups of trawlers are distinguished as follows:

<i>Group</i>	<i>Length</i>	<i>GRT</i>
Near water	80 ft–109.9 ft	86–229.9
Middle water	110 ft–139.9 ft	230–419.9
Distant water	140 ft and over	420 and over

The Gross Registered Tonnage figures represent the conversion factors from length which were also used in the CITS Report.

### Fishing vessels other than deep sea trawlers

These tables replace Tables 12 and 13 previously published in the Annual Return (see note 3) and, where possible, they follow the same layout as has been adopted for the deep sea trawler statistics: they cover the period 1972 to 1976 inclusive and comparative data for the previous two five-year periods are given.

These tables contain breakdowns showing the casualties to fishing vessels of all sizes other than deep sea trawlers.

Table 20 Fishing vessels on the United Kingdom register: numbers† – 1967 to 1976

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
<b>Vessels 80ft and over</b>										
Deep sea trawlers										
Near water	197	189	183	167	143	146	150	128	112	94
Middle water	181	177	178	173	174	173	170	155	144	133
Distant water	182	165	161	161	164	168	168	163	132	104
Other fishing vessels	20	17	13	12	9	11	7	9	11	15
<i>Total</i>	580	548	535	513	490	498	495	455	399	346
<b>Vessels under 80ft</b>	5,722	5,762	5,779	5,410	5,579	5,829	6,083	6,461	6,292	6,394
<i>Grand Total</i>	6,302	6,310	6,314	5,923	6,069	6,327	6,578	6,916	6,691	6,740

Source: Sea Fisheries Statistical Tables, MAFF. Numbers as at 31 December in year shown.

† Revised figures.

Notes for Part II of this Return:

1. *Deep sea trawlers – Casualties to vessels and accidents to men.*  
*Statistics for the years 1967 to 1969 and 1967 to 1971, HMSO.*  
*Casualties to vessels and accidents to men – vessels registered in the United Kingdom: Returns for 1972 to 1975, HMSO.*
2. Cmnd 4114, HMSO.
3. *Shipping casualties and deaths, HMSO.*

Table 21 Details of individual ships lost during 1976

<i>Date</i>	<i>Name of vessel</i>	<i>Age (years)</i>	<i>Gross tonnage</i>	<i>Description of loss</i>
<b>Deep sea trawlers</b>				
January 14	mfv <i>Wyre Victory</i>	16	398	Stranding
January 29	mfv <i>Ben Gulvain</i>	11	443	Stranding <sup>1</sup>
<b>Fishing vessels other than deep sea trawlers</b>				
January*	mfv <i>Janeil</i>	43	13	Foundering
January*	mfv <i>Reaper</i>	28	15	Fire
January 30	mfv <i>Crois Bhríde</i>	NA	NA	Stranding
February 4	mfv <i>Provider</i>	NA	24	Contact <sup>2</sup>
February 7	mfv <i>Rachel of Mylor</i>	21	25	Foundering
February 10	mfv <i>Dulcie</i>	35	50	Hull defect <sup>1</sup>
February 29	mfv <i>Christa</i>	27	15	Foundering
March 6	mfv <i>Airdrie</i>	28	41	Foundering
March 11	mfv <i>Karemma</i>	25	49	Stranding <sup>1</sup>
March 17	mfv <i>Laura</i>	NA	NA	Foundering
April 1	mfv <i>Linder Marie</i>	NA	9	Collision
April 7	mfv <i>Denrow</i>	31	27	Foundering
May 12	mfv <i>Tern</i>	7	72	Foundering
June*	mfv <i>Charlotte Chambers</i>	33	44	Stranding
June 3	mfv <i>Jean B</i>	40	23	Collision
June 5	mfv <i>St Patrick</i>	19	59	Explosion
June 17	mfv <i>Maggie McLeman II</i>	26	24	Contact <sup>2</sup>
June 19	mfv <i>Eventide</i>	33	27	Flooding
July 5	mfv <i>Bekima</i>	21	33	Flooding
July 9	mfv <i>Janie Girl</i>	29	24	Capsizing
July 13	mfv <i>Silver Hope</i>	22	64	Stranding <sup>1</sup>
July 16	mfv <i>Jo-Anne</i>	NA	3	Contact <sup>3</sup>
August 5	mfv <i>Rose of Sharon</i>	12	25	Stranding
August 21	mfv <i>France Brieze</i>	34	22	Explosion
September*	mfv <i>Progress</i>	45	22	Foundering
September*	mfv <i>Accord</i>	15	8	Foundering
September 1	mfv <i>Girl Ita</i>	39	34	Foundering
September 29	mfv <i>Vigilant</i>	1	25	Stranding
September 30	mfv <i>Admiral van Tromp</i>	3	46	Stranding
November*	mfv <i>Sea Hunter</i>	9	31	Foundering
November 2	mfv <i>Integrity</i>	6	18	Collision
November 12	mfv <i>Ocean Gleaner</i>	28	34	Foundering
November 25	mfv <i>Boy Frank</i>	19	5	Foundering

\*Exact date unknown. <sup>1</sup>Constructive total losses. <sup>2</sup>Foundered after striking underwater object. <sup>3</sup>Hit buoy, capsized and sank.

#### Formal investigations into casualties

A formal investigation was ordered to be held into the cause of the following casualty which occurred during 1976.

<i>Name of vessel</i>	<i>Gross tonnage</i>	<i>Nature of casualty</i>	<i>Lives lost</i>	<i>Report number</i>
<i>Wyre Victory</i>	398	Stranding	—	S 499

## Part IIA Deep Sea Trawlers

Table 22 Total losses and serious casualties\* to deep sea trawlers

<i>Nature of casualty</i>	1972	1973	1974	1975	1976	<i>Total 1972 to 1976</i>	<i>Total 1967 to 1971</i>	<i>Total 1962 to 1966</i>
Collisions	—	1	1	1	1	4	6	7
Strandings	—	4	3	2	2	11	6	20
Foundering	2	—	1	1	—	4	1	2
Fires and explosions	1	4	4	3	1	13	6	10
Missing	—	—	1	—	—	1	2	2
Capsizings	1	—	—	—	—	1	2	—
<i>Total</i>	4	9	10	7	4	34	23	41
<i>of which—</i>								
Total losses	3	5	6	4	2	20	13	21

\*Serious casualties are defined on page 2 (Part I) of this return.

Table 23 Total losses and serious casualties to deep sea trawlers according to nature of casualty and operational group

Group	Collisions	Strandings	Foundering	Fires and explosions	Missing	Capsizings	Total
<b>Near water</b>							
1972	—	—	2	—	—	—	2
1973	—	1	—	2	—	1	4
1974	—	1	1	—	—	—	2
1975	—	—	—	1	—	—	1
1976	1	—	—	1	—	—	2
<i>Total: 1972 to 1976</i>	1	2	3	4	—	1	11
<b>Middle water</b>							
1972	—	—	—	—	—	—	—
1973	—	2	—	1	—	—	3
1974	—	2	—	2	—	—	4
1975	—	1	1	—	—	—	2
1976	—	1	—	—	—	—	1
<i>Total: 1972 to 1976</i>	—	6	1	3	—	—	10
<b>Distant water</b>							
1972	—	—	—	1	—	—	1
1973	1	1	—	1	—	—	3
1974	1	—	—	2	1	—	4
1975	1	1	—	2	—	—	4
1976	—	1	—	—	—	—	1
<i>Total: 1972 to 1976</i>	3	3	—	6	1	—	13
<i>Total: all groups 1972 to 1976</i>	4	11	4	13	1	1	34
<b>Totals 1967 to 1971</b>							
Near water	2	1	1	—	—	1	5
Middle water	2	2	—	—	—	—	4
Distant water	2	3	—	6	2	1	14
<i>Total: all groups 1967 to 1971</i>	6	6	1	6	2	2	23
<b>Totals 1962 to 1966</b>							
Near water	—	3	—	2	1	—	6
Middle water	2	11	1	3	1	—	18
Distant water	5	6	1	5	—	—	17
<i>Total: all groups 1962 to 1966</i>	7	20	2	10	2	—	41

Table 24 Total losses and serious casualties to deep sea trawlers according to operational group and age

Group		5 and under	6-10	11-15	16-20	21 and over	all ages
<b>Near water:</b>	1972 to 1976	2	1	5	3	—	11
	1967 to 1971	1	2	1	—	1	5
	1962 to 1966	—	1	2	2	1	6
<b>Middle water:</b>	1972 to 1976	—	1	6	3	—	10
	1967 to 1971	—	3	1	—	—	4
	1962 to 1966	5	6	2	2	3	18
<b>Distant water:</b>	1972 to 1976	2	4	4	1	2	13
	1967 to 1971	2	1	4	7	—	14
	1962 to 1966	1	5	3	—	8	17
<b>Total— all groups</b>	1972 to 1976	4	6	15	7	2	34
	1967 to 1971	3	6	6	7	1	23
	1962 to 1966	6	12	7	4	12	41

**Table 25a Minor casualties to deep sea trawlers by nature of casualty**

<i>Nature of casualty</i>	1972	1973	1974	1975	1976	<i>Total 1972 to 1976</i>	<i>Total 1967 to 1971</i>	<i>Total 1962 to 1966</i>
Collisions and contacts	23	31	19	16	10	99	111	131
Strandings and groundings	10	8	13	5	13	49	88	96
Machinery damage	23	21	6	8	6	64	106	142
Fires and explosions	7	7	7	6	2	29	36	42
Heavy weather and lists	9	2	5	4	1	21	16	23
General damage	12	54	8	13	7	94	44	50
<i>Total</i>	84	123	58	52	39	356	401	484
<i>of which</i>								
Stern trawlers	8	16	6	2	10	42	25	NA

**Table 25b Minor casualties to deep sea trawlers: distribution by nature of casualty (per cent)**

<i>Nature of casualty</i>	1972	1973	1974	1975	1976	<i>1972 to 1976</i>	<i>1967 to 1971</i>	<i>1962 to 1966</i>
Collisions and contacts	27	25	33	31	26	28	28	27
Strandings and groundings	12	7	22	10	33	14	22	20
Machinery damage	27	17	10	15	15	18	26	29
Fires and explosions	9	6	12	11	5	8	9	9
Heavy weather and lists	11	1	9	8	3	6	4	5
General damage	14	44	14	25	18	26	11	10
<i>Total</i>	100	100	100	100	100	100	100	100
<i>of which</i>								
Stern trawlers	10	13	10	4	26	12	6	NA

**CHART F (see Tables 25(a) and (b))**

**MINOR CASUALTIES TO DEEP SEA TRAWLERS:  
BY NATURE OF CASUALTY – 1972-1976**

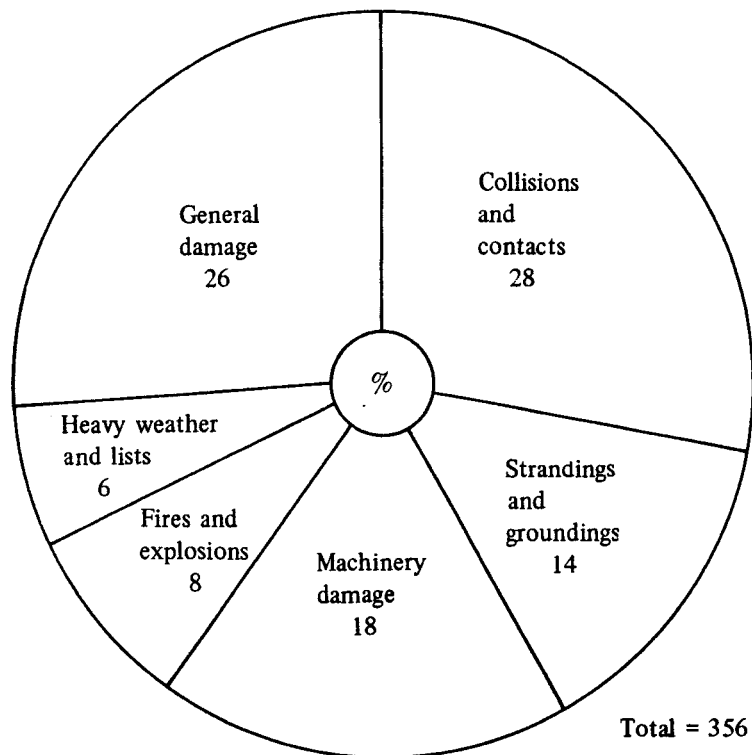


Table 26 Minor casualties to deep sea trawlers according to nature of casualty and operational group

Group	Collisions and contacts	Strandings and groundings	Machinery damage	Fires and explosions	Heavy weather and lists	General damage	Total
<b>Near water</b>							
1972	1	3	5	3	—	5	17
1973	8	4	8	—	1	4	25
1974	5	—	3	2	1	2	13
1975	1	1	4	5	—	1	12
1976	—	3	2	—	—	2	7
<i>Total: 1972 to 1976</i>	15	11	22	10	2	14	74
<b>Middle water</b>							
1972	10	4	8	2	1	2	27
1973	11	3	3	3	—	6	26
1974	5	10	—	—	1	2	18
1975	7	3	2	1	—	2	15
1976	7	5	1	—	—	4	17
<i>Total: 1972 to 1976</i>	40	25	14	6	2	16	103
<b>Distant water</b>							
1972	12	3	10	2	8	5	40
1973	12	1	10	4	1	44	72
1974	9	3	3	5	3	4	27
1975	8	1	2	—	4	10	25
1976	3	5	3	2	1	1	15
<i>Total: 1972 to 1976</i>	44	13	28	13	17	64	179
<i>Total: all groups 1972 to 1976</i>	99	49	64	29	21	94	356
<b>Totals 1967 to 1971</b>							
Near water	19	20	29	5	2	10	85
Middle water	39	34	27	9	6	18	133
Distant water	53	34	50	22	8	16	183
<i>Total: all groups 1967 to 1971</i>	111	88	106	36	16	44	401
<b>Totals 1962 to 1966</b>							
Near water	31	21	33	4	1	6	96
Middle water	37	43	48	11	6	16	161
Distant water	63	32	61	27	16	28	227
<i>Total: all groups 1962 to 1966</i>	131	96	142	42	23	50	484

Table 27 Minor casualties to deep sea trawlers — vessels involved in more than one incident

Number of incidents	1972	1973	1974	1975	1976
2 incidents	12	15	9	3	3
3 incidents	1	2	1	1	—
4 incidents	—	1	—	1	—

**Table 28a Minor casualties to deep sea trawlers — age analysis**

<i>Age group</i>	<i>1972</i>	<i>1973</i>	<i>1974</i>	<i>1975</i>	<i>1976</i>	<i>1972 to 1976</i>
5 and under	14	18	10	7	11	60
6-10	15	12	4	5	4	40
11-15	41	53	31	17	12	154
16-20	9	29	11	19	12	80
21 and over	5	11	2	4	—	22
<i>Total</i>	84	123	58	52	39	356

Note: Data for 1962 to 1966 and 1967 to 1971 by age group not available.

**Table 28b Minor casualties to deep sea trawlers — distribution by age (per cent)**

<i>Age group</i>	<i>1972</i>	<i>1973</i>	<i>1974</i>	<i>1975</i>	<i>1976</i>	<i>1972 to 1976</i>
5 and under	16	15	17	13	28	17
6-10	18	10	7	10	10	11
11-15	49	43	53	33	31	43
16-20	11	23	19	36	31	23
21 and over	6	9	4	8	—	6
<i>Total</i>	100	100	100	100	100	100

Note: Data for 1962 to 1966 and 1967 to 1971 by age group not available.

**Table 29a Minor casualties to deep sea trawlers according to operational groups**

<i>Group</i>	<i>1972</i>	<i>1973</i>	<i>1974</i>	<i>1975</i>	<i>1976</i>	<i>1972 to 1976</i>	<i>1967 to 1971</i>	<i>1962 to 1966</i>
Near water	17	25	13	12	7	74	85	96
Middle water	27	26	18	15	17	103	133	161
Distant water	40	72	27	25	15	179	183	227
<i>Total</i>	84	123	58	52	39	356	401	484

**Table 29b Minor casualties to deep sea trawlers — distribution by operational groups (per cent)**

<i>Group</i>	<i>1972</i>	<i>1973</i>	<i>1974</i>	<i>1975</i>	<i>1976</i>	<i>1972 to 1976</i>	<i>1967 to 1971</i>	<i>1962 to 1966</i>
Near water	20	20	22	23	18	21	21	20
Middle water	32	21	31	29	44	29	33	33
Distant water	48	59	47	48	38	50	46	47
<i>Total</i>	100	100	100	100	100	100	100	100

Table 30 Deep sea trawlers: yearly analysis of casualties: number of vessels and number per hundred vessels at risk

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Total losses	1	7	2	2	1	3	5	6	4	2
Number per 100 vessels at risk	0.2	1.3	0.4	0.4	0.2	0.6	1.0	1.3	1.0	0.6
Serious casualties	—	1	6	1	2	1	4	4	3	2
Number per 100 vessels at risk	—	0.2	1.1	0.2	0.4	0.2	0.8	0.9	0.8	0.6
Minor casualties	85	98	76	67	75	84	123	58	52	39
Number per 100 vessels at risk	15.2	18.5	14.6	13.4	15.6	17.2	25.2	13.0	13.4†	11.8
Deep sea trawlers on the United Kingdom register at the end of each year*										
Number	560	531	522	501	481	487	488	446	388†	331

\* Source: *Sea Fisheries Statistical Tables*, MAFF

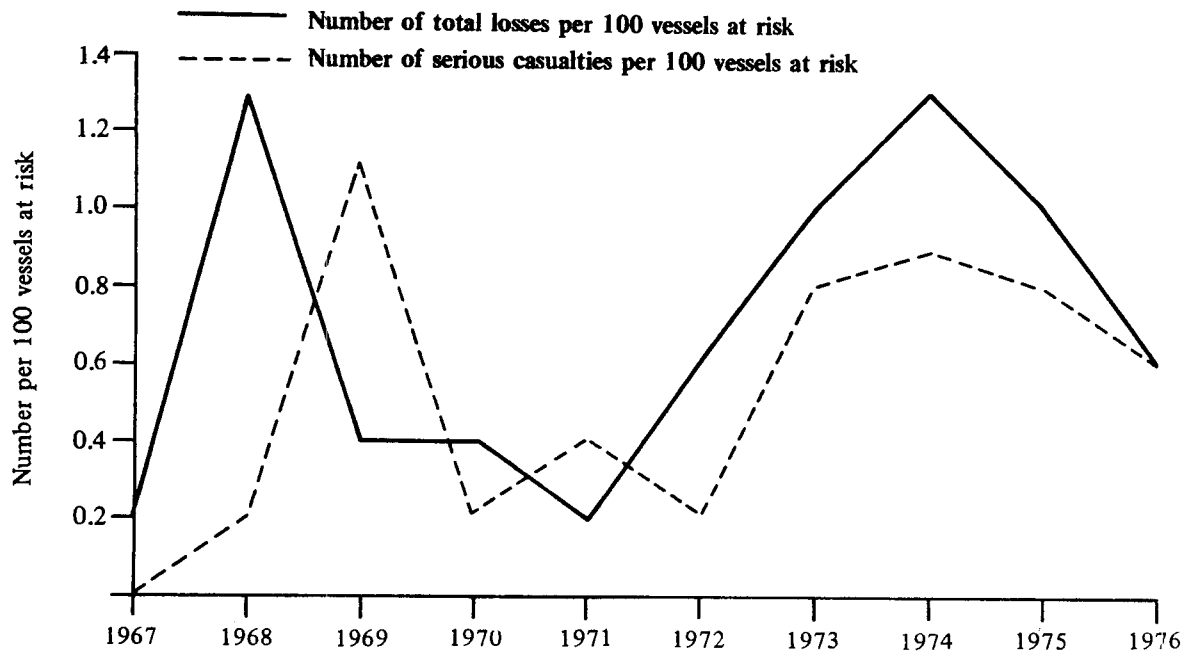
† Revised figure.

Table 31a Deaths on Near and Middle Side Trawlers of length 80ft–139.9ft by causes of accidents – 1976

Causes	No	Per 1000 at risk
<b>Deaths from casualties to vessels</b>		
Foundering	—	—
Strandings	—	—
Collisions	1	0.4
Missing vessels	—	—
Explosions and fires	4	1.7
<i>Sub-total: casualties to vessels</i>	5	2.1
<b>Deaths from personal accidents:</b>		
Accidents in enginerooms and stokeholds	—	—
Falls from aloft	—	—
Accidents on deck (including slips, falls etc)	1	0.4
Falls down hatchways etc.	—	—
Losses overboard	2	0.8
Homicide	—	—
Suicide or supposed suicide	1	0.4
Other causes	—	—
<i>Sub-total: personal accidents</i>	4	1.7
<i>Total:</i>	9	3.8
Estimated population at risk*	2,400	

\*The number of fishermen at risk each year is based on the total number of berths available in the operational group concerned.

**CHART G (see Table 30) – DEEP SEA TRAWLERS  
TOTAL LOSSES AND SERIOUS CASUALTIES**



**CHART H (see Table 30) – DEEP SEA TRAWLERS  
MINOR CASUALTIES**



Table 31b Deaths on Distant Water Side and Stern Trawlers of length 140 ft and over by causes of accidents — 1976

<i>Causes</i>	<i>Side no</i>	<i>Per 1,000 at risk</i>	<i>Stern no</i>	<i>Per 1,000 at risk</i>	<i>Total no</i>	<i>Per 1,000 at risk</i>
<b>Deaths from casualties to vessels</b>						
Foundering	--	--	--	--	--	--
Strandings	--	--	--	--	--	--
Collisions	--	--	--	--	--	--
Missing vessels	--	--	--	--	--	--
Explosions and fires	--	--	--	--	--	--
<i>Sub-total: casualties to vessels</i>	--	--	--	--	--	--
<b>Deaths from personal accidents</b>						
Accidents in enginerooms and stokeholds	--	--	--	--	--	--
Falls from aloft	--	--	--	--	--	--
Accidents on deck (including slips, falls etc)	--	--	1	0.8	1	0.4
Falls down hatchways etc	--	--	--	--	--	--
Losses overboard	2	1.8	3	2.5	5	2.2
Homicide	--	--	--	--	--	--
Suicide or supposed suicide	--	--	--	--	--	--
Other causes	--	--	--	--	--	--
<i>Sub-total: personal accidents</i>	2	1.8	4	3.3	6	2.6
<b>Total</b>	<b>2</b>	<b>1.8</b>	<b>4</b>	<b>3.3</b>	<b>6</b>	<b>2.6</b>
Estimated population at risk*:	1,100		1,200		2,300	

\* The number of fishermen at risk each year is based on the total number of berths available in the operational group concerned.

Table 32 Deaths on Side Trawlers by capacity 1958–1976 inclusive

<i>Capacity</i>	<i>Estimated total man years at risk 1958–1976</i>	<i>Total deaths</i>	<i>Deaths per 1,000 man-years</i>
<b>Near/Middle Water Trawlers (length 80 ft–139.9 ft)</b>			
Skippers and second-hands	14,000	23	1.6
Bosun, deck-hands, spare-hands, deck learners etc	43,500	90	2.1
Engineers, greasers firemen	15,500	29	1.9
Cooks, galley-boys, radio officers etc	9,400	10	1.1
<b>Distant Water Trawlers (length 140 ft and over)</b>			
Skippers and second-hands	6,100	23	3.8
Bosun, deck-hands, spare-hands, deck learners etc	34,400	125	3.6
Engineers, greasers firemen	12,200	31	2.5
Cooks, galley-boys, radio officers etc	9,000	24	2.7

Table 33a Non-fatal injuries on Near and Middle Water Trawlers of length 80 ft–139.9 ft causes of accidents – 1976

<i>Causes</i>	<i>No</i>	<i>Per 1,000 at risk</i>
<b>Injuries from casualties to vessels</b>		
Foundering	—	—
Strandings	—	—
Collisions	—	—
Explosions and fires	—	—
Other casualties to vessel	—	—
<i>Sub-total: casualties to vessels</i>	—	—
<b>Injuries from personal accidents</b>		
Accidents in enginerooms or stokeholds	29	12.1
Falls from aloft or down hatchways	2	0.8
Accidents on deck (including slips, falls etc)	236	98.3
Fell or washed overboard	2	0.8
Cause not stated	71	29.6
Other causes	18	7.5
<i>Sub-total: personal accidents</i>	358	149.2
<i>Total</i>	358	149.2
Estimated Population at risk*	2,400	

\*The number of fishermen at risk each year is based on the total number of berths available in the operational group concerned.

Table 33b Non-fatal injuries on Distant Water Side and Stern Trawlers of length 140 ft and over – 1976

<i>Causes</i>	<i>Side no</i>	<i>Per 1,000 at risk</i>	<i>Stern no</i>	<i>Per 1,000 at risk</i>	<i>Total no</i>	<i>Per 1,000 at risk</i>
<b>Injuries from casualties to vessels</b>						
Foundering	—	—	—	—	—	—
Strandings	—	—	—	—	—	—
Collisions	—	—	—	—	—	—
Explosions and fires	—	—	—	—	—	—
Other casualties to vessels	—	—	—	—	—	—
<i>Sub-total: casualties to vessels</i>	—	—	—	—	—	—
<b>Injuries from personal accidents</b>						
Accidents in enginerooms or stokeholds	24	21.8	6	5.0	30	13.0
Falls from aloft or down hatchways	11	10.0	1	0.8	12	5.2
Accidents on deck (including slips, falls etc)	220	200.0	60	50.0	280	121.7
Fell or washed overboard	—	—	—	—	—	—
Other causes	58	52.7	20	16.7	78	33.9
Cause not stated	38	34.5	17	14.2	55	23.9
<i>Sub-total: personal accidents</i>	351	319.1	104	86.7	455	197.8
<i>Total</i>	351	319.1	104	86.7	455	197.8
Estimated Population at risk*	1,100		1,200		2,300	

\*The number of fishermen at risk each year is based on the total number of berths available in the operational group concerned.

**Table 34 Non-fatal injuries on Side Trawlers by capacity 1958–1976 inclusive**

<i>Capacity</i>	<i>Estimated total man years at risk 1958/76</i>	<i>Total non-fatal injuries</i>	<i>Non-fatal injuries per 1,000 man-years</i>
<b>Near/Middle Water Trawlers (length 80 ft–139.9 ft)</b>			
Skippers and second-hands	14,000	1,231	87.9
Bosuns, deck-hands, spare hands, deck learners etc	43,500	5,106	117.4
Engineers, greasers, firemen	15,500	1,148	74.1
Cooks, galley-boys, radio officers etc	9,400	696	74.0
<b>Distant Water Trawlers (length 140 ft and over)</b>			
Skippers and second-hands	6,100	863	141.5
Bosuns, deck-hands, spare hands, deck learners etc	34,400	7,033	204.4
Engineers, greasers, firemen	12,200	1,551	127.1
Cooks, galley-boys, radio officers etc	9,000	1,001	111.2

## Part IIB

### Fishing Vessels other than Deep Sea Trawlers

**Table 35 Total losses to fishing vessels other than deep sea trawlers**

<i>Nature of casualty</i>	1972	1973	1974	1975	1976	<i>Total 1972 to 1976</i>	<i>Total 1967 to 1971</i>	<i>Total 1962 to 1966</i>
Collisions	3	5	2	5	6	21	16	9
Strandings	7	4	10	11	7	39	26	19
Foundering	7	13	7	17	15	59	35	20
Fires and explosions	2	2	1	8	3	16	6	2
Missing	1	—	2	—	—	3	3	2
Capsize	—	1	—	2	1	4	4	1
Others	1	1	—	—	1	3	—	3
<i>Total</i>	21	26	22	43	33	145	90	56

**Table 36 Serious casualties to fishing vessels other than deep sea trawlers**

<i>Nature of casualty</i>	1972	1973	1974	1975	1976	<i>Total 1972 to 1976</i>	<i>Total 1967 to 1971</i>	<i>Total 1962 to 1966</i>
Collisions	—	—	2	—	3	5	3	9
Strandings	—	—	—	—	1	1	3	6
Foundering	2	1	3	1	5	12	19	4
Fires and explosions	1	1	1	—	1	4	4	6
Missing	—	—	—	—	—	—	—	—
Capsize	2	1	—	—	—	3	—	—
Others	2	—	—	1	—	3	1	8
<i>Total</i>	7	3	6	2	10	28	30	33

Note: See page 2 (Part I) for definition of serious casualties

**Table 37 Minor casualties to fishing vessels other than deep sea trawlers**

<i>Nature of casualty</i>	1972	1973	1974	1975	1976	<i>Total 1972 to 1976</i>	<i>Total 1967 to 1971</i>	<i>Total 1962 to 1966</i>
Collisions and contacts	17	10	12	16	12	67	88	131
Strandings and groundings	13	14	14	11	8	60	111	130
Machinery damage	63	36	14	20	4	137	243	176
Fires and explosions	7	8	4	5	5	29	21	27
Heavy weather and lists	—	3	—	11	1	15	6	17
General damage	16	14	14	8	8	60	29	25
<i>Total</i>	116	85	58	71	38	368	498	506

**Table 38 Minor casualties to fishing vessels other than deep sea trawlers – vessels involved in more than one incident**

Number of incidents	1972	1973	1974	1975	1976
2 incidents	6	7	2	—	3
3 incidents	—	—	—	—	—
4 incidents	—	1	—	—	—

**Table 39 Fishing vessels other than deep sea trawlers: yearly analysis of casualties: number of vessels and number per thousand vessels at risk**

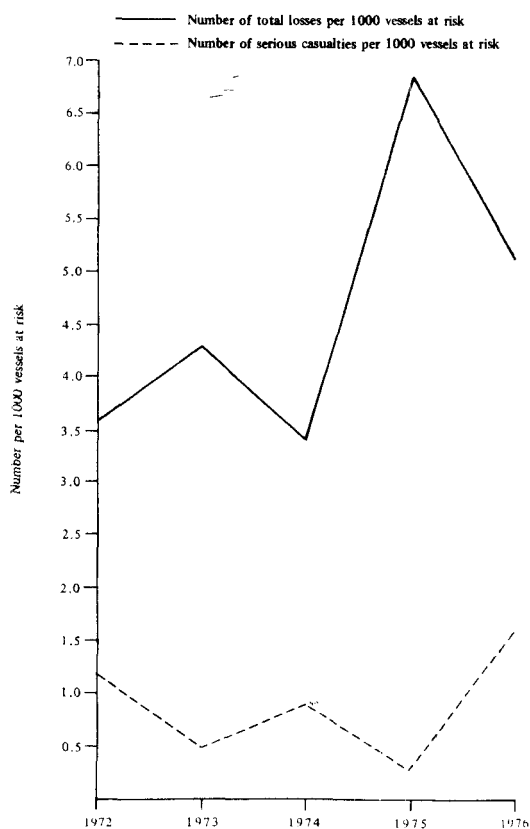
	1972	1973	1974	1975	1976
Total losses	21	26	22	43	33
Number per 1,000 vessels at risk	3.6	4.3	3.4	6.8	5.1
Serious casualties	7	3	6	2	10
Number per 1,000 vessels at risk	1.2	0.5	0.9	0.3	1.6
Minor casualties	116	85	58	71	38
Number per 1,000 vessels at risk	19.9	14.0	9.0	11.3	5.9

Fishing vessels other than deep sea trawlers on the United Kingdom register at the end of each year\*

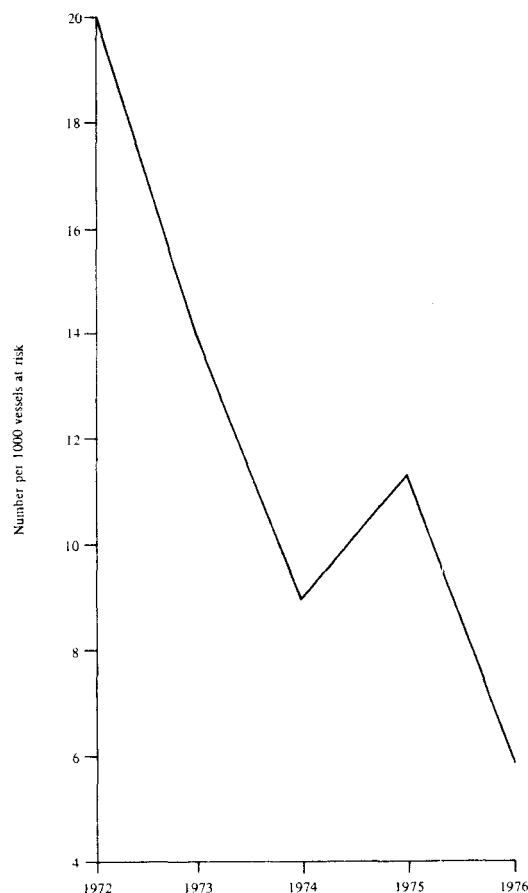
Number	5,841	6,081	6,471	6,303	6,409
--------	-------	-------	-------	-------	-------

\*Source: *Sea Fisheries Statistical Tables*, MAFF.

**FISHING VESSELS OTHER THAN DEEP SEA TRAWLERS  
CHART K (see Table 39) – TOTAL LOSSES AND SERIOUS CASUALTIES**



**FISHING VESSELS OTHER THAN DEEP SEA TRAWLERS  
CHART L (see Table 39) – MINOR CASUALTIES**



**Table 40 Deaths among crews from all causes: fishing vessels other than deep sea trawlers — 1976**

<i>Cause of death</i>	<i>Deaths at sea</i>	<i>Deaths in river or harbour</i>	<i>Total 1976</i>	<i>Total 1975</i>
<b>Deaths from casualties to vessels:</b>				
Foundering	—	—	—	3
Strandings	2	—	2	—
Collisions	—	—	—	—
Missing vessels	—	—	—	—
Explosions and fires	—	6	6	—
Other casualties	—	—	—	1
<i>Total</i>	2	6	8	4
<b>Deaths from:</b>				
Accidents	6	1	7	6
Homicide	—	—	—	—
Suicide	—	—	—	—
Missing at sea	1	—	1	3
Disease	2	2	4	4
<i>Total</i>	9	3	12	13
<i>Grand total</i>	11	9	20	17