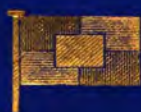


FLAGS



NATIONAL & MERCANTILE

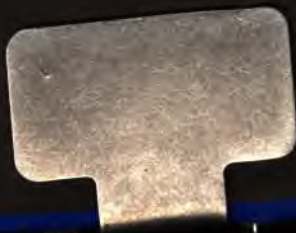
HOUSE FLAGS & FUNNELS

7/6

J. BRIEVE & CO. PORTSMOUTH



24107K







FLAGS

NATIONAL AND MERCANTILE

CONTAINING FLAGS OF
THE ROYAL NAVY; NATIONAL ENSIGNS FOR MEN-OF-WAR;
NATIONAL COLOURS FOR MERCANTILE MARINE;
INTERNATIONAL CODE; FOG SIGNALS; OPTIONAL SIGNALS;
SIGNALS OF DISTRESS;
VESSELS LIGHTS AS SEEN BY A LOOK-OUT MAN.

AND

360 HOUSE FLAGS AND FUNNELS

OF THE

PRINCIPAL SHIPS OF THE

MERCANTILE MARINE.

COMPILED BY

JAMES GRIFFIN.

1883.

PORTSMOUTH.

GRIFFIN & Co., 2, THE HARD,

(Publishers, by Appointment, to H.R.H. the Duke of Edinburgh).

LONDON—Simpkin, Marshall & Co.; Imray & Sons, 89 & 102, Minories;
Charles Wilson, 156, Minories; H. Hughes & Son, 59, Fenchurch Street;
R. H. Laurie, 53, Fleet Street; J. D. Potter, Poultry; E. Stanford,
Charing Cross.

LIVERPOOL—Phillip, Son & Nephew.

SOUTHAMPTON—J. Blount Thomas.

HAMBURGH—Friederichsen & Co.

BREST—F. Robert, 44, Rue d'Aguillon.

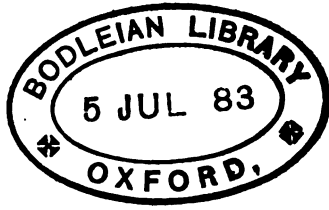
GLASGOW—McGregor & Co., Clyde Place

CAPE TOWN—Juta, Heelis & Co.

MELBOURNE—George Robertson.

HONGKONG—Kelly & Walsh.

BOMBAY—Thacker & Co.



Notice to Shipowners.

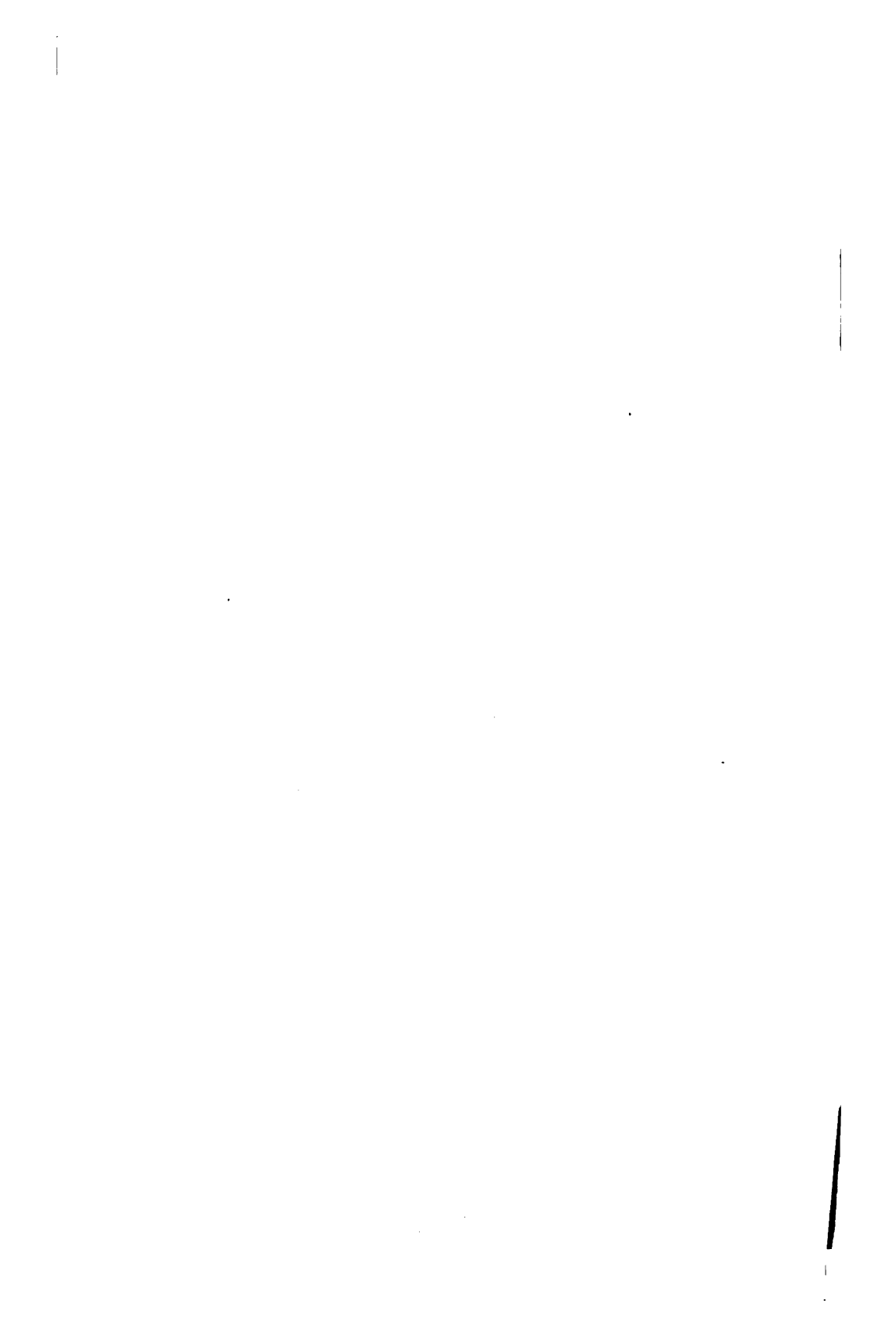
The Publishers will be glad to insert in subsequent editions of this work, the Flags of any Owner or Company (not in the present list), if they will kindly forward a drawing and particulars of it, addressed to

GRIFFIN & Co.,

2, THE HARD,

PORTSMOUTH,

and notice of ANY ERROR in this book will be gratefully received, and shall be corrected.





I N D E X .

	A.	Page.	No. of Flag.
Aberdeen Line	-	15	350
Adam, Hamilton & Co., Greenock	-	8	1
Adamson & Ronaldson, London	-	8	2
Adamson & Short, North Shields	-	8	3
Admiralty Flag	-	1	
Admiral's Flag	-	1	
African Steam Ship Co., London	-	8	4
Albion Shipping Co., Glasgow	-	14	241
Alexander & Radcliffe, Liverpool	-	8	5
Allan Line, Glasgow	-	8	6
American Steam Ship Co., London	-	8	7
Anchor Line, Glasgow	-	8	8
Anderson, Anderson & Co., London	-	14	242
Anderson, Horan & Co., Sunderland	-	8	9
Angier Bros., London	-	8	10
Anglo Egyptian Navigation Co., London	-	8	11
ARGENTINE REPUBLIC for Men-of-War	-	3	
" " for Mercantile Marine	-	5	
Apcar & Co., Calcutta	-	8	12
Asiatic Steam Navigation Co., Liverpool	-	8	13
Atlas Line, Liverpool	-	8	14
Australasian Steam Navigation Co., Sydney	-	8	15
AUSTRIA for Men-of-War	-	2	
" for Mercantile Marine	-	4	

	B.	Page.	No. of Flag.
Bacon, John, Liverpool	-	8	16
Bailey & Leetham, Hull	-	8	17
Baine & Johnston, Greenock	-	14	243
Balfour, Williamson & Co., Liverpool	-	14	244
Bates, E. & Sons, Liverpool	-	14	245
Bay Line, Glasgow	-	14	246
Bedouin Steam Navigation Co., Liverpool	-	8	18
Belfast Steam Ship Co., Belfast	-	8	19
BELGIUM for Men of War	-	2	
" for Mercantile Marine	-	4	
Ben Line	-	14	247
Blackwall Line, London	-	10	89
Blue Diamond Line, Liverpool	-	8	20
Blue Ensign	-	1	
Blythe Bros., Liverpool	-	8	21
BOLIVIA for Men-of-War	-	3	
Bowring, C. T. & Co., Liverpool	-	14	248
BRAZIL for Men-of-War	-	3	
" for Mercantile Marine	-	4	
British and African Steam Navigation Co., Glasgow	-	8	22
British and Burmese Steam Navigation Co., Glasgow	-	8	23
British and Eastern Shipping Co., Liverpool	-	14	249
British India Steam Navigation Co., London	-	8	24
British and Irish Steam Packet Co., Dublin	-	8	25
British Shipowners Co., Liverpool	-	14	250
Brocklebank, T. & J., Liverpool	-	14	251
Brown, W. A. & Co., Glasgow	-	14	252
Brown, Atkinson, & Co., Hull	-	8	26
Brown and Watson, Glasgow	-	14	253
Bruce, D. & Co., Dundee	-	14	276
Bullard King, & Co., London	-	14	254
Bulloch, J. and G., London	-	14	255
Bulloch's Bay Line, London	-	14	256

	Page.	No. of Flag.
BURMAH for Men-of-War - - -	3	
Burmah Steam Ship Co., Greenock - - -	8	27
Burns and Mc.Iver, Liverpool - - -	{ 8	28
	{ 9	25
Burrell and Son, Glasgow - - -	8	29
C.		
Caird, C. S., Greenock - - -	14	257
Canada Shipping Co., Montreal - - -	8	30
Capper, Alexander and Co., London - - -	8	31
Carmichael, A. & J. and Co., Greenock - - -	14	258
Carvill, F. and Son, Liverpool - - -	8	32
Castle Line, London - - -	9	56
Caw, D. and Co., Glasgow - - -	8	33
Cay, Matthew, South Shields - - -	14	259
Cay, M. and Co., South Shields - - -	8	34
Cayzer, Irvine and Co., Glasgow - - -	9	41
Channel Line, - - -	8	35
CHILI for Men-of-War - - -	3	
„ for Mercantile Marine - - -	5	
CHINA for Men-of-War - - -	3	
China Navigation Co., London - - -	8	36
China Trans-Pacific Steam Ship Co., London - - -	8	37
City of Cork Steam Packet Co., Cork - - -	8	38
City of Dublin Steam Packet Co., Dublin - - -	8	39
City Line, Glasgow - - -	8	40
Clan Line, Glasgow - - -	9	41
Clapham, H. and Co., Newcastle - - -	9	42
Clink, J. D., Greenock - - -	14	260
Clarke (Stephenson) and Co., London - - -	9	43
Clutha Shipping Co., Glasgow - - -	14	261
Clyde Shipping Co., Glasgow - - -	9	44

	Page.	No. of Flag.
Cohen, A. M., Newcastle	9	45
Collings and Co., London	9	46
Commercial Steam Ship Co.,	9	47
Commodore's Pendant	1	
Compagnie Generale Transatlantique, Paris	9	48
Compania Trasatlantica, Barcelona	9	49
Cork Steam Ship Co., Cork	9	50
Corry, J. P. and Co., Belfast	14	262
Cory and Co., West Hartlepool	9	51
COSTA RICA for Mercantile Marine	5	
Cotesworth, Lynne and Co., Liverpool	14	263
Coverdale, Todd and Co., Hartlepool	9	52
Craig, R. and J., Glasgow	{ 9 14	53 264
Crawford, W. J., Greenock	14	265
Crow, Bogart and Co., Liverpool	14	266
Culliford and Clark, Sunderland	9	54
Cunard Line, Liverpool	9	55
Currie, (Donald,) and Co., London	9	56
Cuthbert, R. and Co., Greenock	14	267
D.		
Dale Line, Liverpool	14	268
Daniel, T. and Sons, Bristol	14	269
De Busche, E. M. and Co., London	9	57
De Wolf, J. S. and Co., Liverpool	14	270
DENMARK for Men-of War	2	
" Mercantile Marine	4	
Devitt and Moore, London	14	271
Diamond (Blue) Line, Liverpool	8	20
Distant Signals	6	
Distress Signals	6	

	Page.	No. of Flag.
Dixon and Wilson, Sunderland	9	58
Dixon, W. H., Liverpool	9	59
Dixon, W. T. and Sons, Liverpool	14	272
Dobell, Alfred, and Co., Liverpool	14	273
Donaldson, Bros., Glasgow	14	274
Ducal Line, London	9	60
Duncan, G. and Co., London	14	275
Dundee Clipper Line, Dundee	14	276
Durham (Earl of) and H. T. Morton, Sunderland	9	61

E.

Eastern and Australian Mail Steam Co., London	9	62
Eastern Steam Ship Co., London	9	63
Eccles, E., Newcastle	9	64
Edmiston and Mitchell, Glasgow	14	277
Edwards, Cardiff and New York Line, Cardiff	9	65
Edwards, H. S., Shields	9	66
EGYPT for Men-of-War	2	
Elder, Dempster and Co., London	9	67
Elder Line, London	14	278
Elliott, Lowry and Dunford, Newcastle	9	68
Ellis, H. and Son, London	14	279
ENGLISH NATIONAL FLAGS	1	
" " for Mercantile Marine	4 & 5	
ECUADOR for Men-of-War	3	
Ewing, J. and Co., Glasgow	14	280

	F.	Page.	No. of Flag.
Falk, H. E., Liverpool	-	9	69
Farnworth and Jardine, Liverpool	-	14	281
Fenwick and Co., London	-	9	70
Fenwick, J. and Sons, London	-	9	71
Fernie, H. and Sons, Liverpool	-	14	282
Fisher, Renwick and Co., Newcastle	-	9	72
Fisher and Sprott, London	-	14	283
Fletcher, G. H. and Co., Liverpool	-	9	73
Fog Signals	-	6	
Foley, Aikman and Co., London	-	14	284
Forenede Dampskibs Selskab, Copenhagen	-	9	74
Forwood, Paton and Co., Liverpool	-	9	75
FRANCE for Men-of-War	-	2	
„ for Mercantile Marine	-	4	
Friend, E. C. and Co., Liverpool	-	14	285
G.			
Garbutt, D. P., Hull	-	9	76
Gellatley, Hankey, Sewell, and Co., London	-	14	286
General Shipping Co., Glasgow	-	14	287
General Steam Navigation Co., London	-	9	77
GERMANY for Men-of-War	-	2	
„ for Mercantile Marine	-	4	
Gilchrist, R. and Co., Liverpool	-	11	132
Gillison and Chadwick, Liverpool	-	14	288
Glasgow, Belfast, Liverpool Mail, Glasgow	-	9	78
Glasgow and Highlands Steam Ship Co., Glasgow	-	9	79
Glasgow Shipping Co., Glasgow	-	14	289
Glen Line	-	11	139
Globe Steam Ship Co., London	-	9	80
Glover Bros., London	-	10	81

	Page	No. of Flag.
Glynn, J. and Son, Liverpool - -	10	82
Goodyear and Co., Liverpool - -	14	290
Goole Steam Ship Co., Goole - -	10	83
Gordon and Stamp, Sunderland - -	10	84
Gourley, E. T. and Co., Sunderland - -	10	85
Graves, S. R. and Sons, Liverpool - -	14	291
Gray, W. and Co., West Hartlepool - -	10	86
Great Eastern Railway Co., London - -	10	87
Great Western Railway Co., London - -	10	88
Great Western Steam Ship Co., Bristol - -	13	234
GREECE, for Men-of-War - -	2	
„ for Mercantile Marine - -	4	
Green, F. and Co., London - -	10	89
Greenock Steam Ship Co., Greenock - -	10	90
Groves, Maclean, and Co., West Hartlepool - -	10	91
GUATEMALA for Mercantile Marine - -	5	
Guion Line, Liverpool - -	10	92
H.		
Hall, Bros., Newcastle - -	{ 10 14	93 292
Hall, J. and Co., Newcastle - -	10	94
Hall, John Junr., and Co., London - -	10	95
Hall Line, Liverpool - -	{ 8 10	5 96
HAITI for Men-of-War - -	3	
„ for Mercantile Marine - -	5	
Hamburg Amerikaasche actien Gessellschaft, Hamburg - -	} 10	97
Hamilton, Fraser and Co., Liverpool - -	10	98
Hankey, T. and Co., London - -	14	293
Hardie, T. and Co., Glasgow - -	14	261
Hargrove and Hellon, Liverpool - -	14	294

	Page.	No. of Flag.
Harper and Co., Southampton	10	99
Harris and Dixon, London	10	100
Harrison, T. and Co., Liverpool	14	295
Harrison, T. and J., Liverpool	10	101
Harrowing, R., Whitby	10	102
Hatfield, Cameron and Co., Glasgow	14	246
Heap, J. and Sons, Liverpool	14	296
Henderson Bros., Glasgow	8	8
Henderson, P. and Co., Glasgow	{ 8 10	23 115
Herskind, F., West Hartlepool	10	103
Herron, John, Liverpool	14	297
Hill, C. and Sons, Bristol	10	104
Hine Bros., Maryport	10	105
HOLLAND for Men-of-War	2	
,, for Mercantile Marine	4	
Holman, J. and Sons, London	10	106
Holt, A., Liverpool	10	107
Hope Bros., Liverpool	14	298
Horsley, G., West Hartlepool	10	108
Hough, E. J. and Co., London	10	109
Hudson, R. M., Sunderland	10	110
Hudson, T. S., West Hartlepool	10	111
Hunting and Pattinson, Newcastle	10	112
Huntley, Berner, and Co., West Hartlepool	10	113
I.		
Inman Line, Liverpool	10	114
International Code	5	
Iredale, P. and Son, Liverpool	14	299
Irrawaddy Flotilla Co., Glasgow	10	115

	Page.	No. of Flag.
Irvine, R. and Co., West Hartlepool	10	116
Ismay, Imrie and Co., Liverpool	{ 13 14	233 300
Italian Lloyd, Genoa	10	117
ITALY for Men-of-War	2	
„ for Mercantile Marine	4	

J.

Jackson, Beaumont and Co., Hull	10	118
Jackson Bros. and Cory, London	10	119
Jacobs, J. T. and Co., London	15	301
JAPAN for Men-of-War	3	
„ for Mercantile Marine	5	
Jenkins, D. J. and Co., London	10	120
Johnstone, Sproule and Co., Liverpool	15	302
Johnston, W. and Co., Liverpool	11	121

K.

Kellock, G. W. and Co., Liverpool	15	303
Kerr, J. and Co., Greenock	15	304
Kerr, Newton and Co., Glasgow	15	305
Kidston, C. J., Glasgow	9	44
Killick Martin, London	15	306
King, R. and W., Bristol	15	307
Kish, T., Sunderland	11	122
Koninklyke Nederlandsche Stoomboot Maatschappy, Amsterdam	} 11	123
Krupp Fried, Essin	11	124

	L.		Page.	No. of Flag.
Laing, W. and Co., Leith	-	-	11	125
Laird, A. A. and Co., Glasgow	-	-	11	126
Lamport and Holt, Liverpool	-	-	11	127
Lancaster Shipowners Co., Liverpool	-	-	15	308
Langlands, M. and Sons, Glasgow	-	-	11	128
Law, T. and Co., Glasgow	-	-	15	309
Leadenhall Line, London	-	-	15	310
Leech, Harrison and Forwood, Liverpool	-	-	8	14
Leith, Hull, and Hamburg Steamship Co., Leith	-	-	11	129
Lennard, J. M. and Son, Middlesbro'	-	-	11	130
Leyland, R. W. and Co., Liverpool	-	-	11	131
Lidgett, J. and Sons, London	-	-	15	311
Light Ships	-	-	7	
Liverpool Traders, Liverpool	-	-	11	132
Liverpool and Valparaiso Line, Liverpool	-	-	15	353
Lofthouse, C. M. and Co., Hull	-	-	11	133
London Brighton and S. C. Railway Co., London	-	-	11	134
London Chatham and Dover Railway Co., London	-	-	11	135
London North Western Railway Co., London	-	-	11	136
London Steam Boat Co., London	-	-	11	137
Lowden, Edgar and Co., Liverpool	-	-	15	312
Lumsden, Byers and Co., Sunderland	-	-	11	138
Lyle, A. and Sons, Greenock	-	-	15	313

M.

Mc.Brayne, D., Glasgow	-	-	9	79
Mc.Corkell, W. and Co., Londonderry	-	-	15	314
Mc.Diarmid, Greenshields & Co. London	-	-	{ 9 15	{ 60 315
Mc.Gregor, Gow and Co., London	-	-	11	139

	Page.	No. of Flag.
Mc.Intyre Bros., Newcastle	11	140
Mc.Ilwraith, MacEacharn and Co., London	15	316
Mc.Kinnon, Frew and Co., Liverpool	15	317
Mc.Laren, Crum and Co., Glasgow	11	141
Marshall, George and Sons, London	11	142
Marwood, T. and Sons, Whitby	11	143
Massey and Sawyer, Hull	11	144
Mercantile Steam Ship Co., London	11	145
Merchant Shipping Co., London	15	318
Merchant Trading Co., Liverpool	15	319
Merchant's Trading Co., Liverpool	11	146
Mersey Steam Ship Co., Liverpool	11	147
MEXICO for Men-of-War	3	
„ for Mercantile Marine	5	
Messageries Maritimes, Marseilles	11	148
Middle Dock Co., S. Shields	11	149
Millburn Bros., Newcastle	11	150
Millburn W. and Co., London	11	151
Milvain, W. and Sons, Gateshead	15	320
Mississippi and Dominion Steam Ship Co., Liverpool	11	152
Monarch Line, London	12	173
Montgomerie and Workman, London	15	321
Moran and Sanderson, Hull	11	153
Morel, Bros. and Co., Cardiff	11	154
MOROCCO for Men-of-War	3	
„ for Mercantile Marine (Tunis and Zanzibar)	5	
Morrison, J. and Son, N. Shields	11	155
Moss Steam Ship Co., Liverpool	11	156
Mudie, R. A. and Sons, Dundee	11	157
Murray Brothers & Co., Dundee	8	35

	N.	Page.	No. of Flag.
National Line, Liverpool	-	11	158
Nelson and Co., Liverpool	-	15	322
Nelson, Donkin, and Co., Newcastle	-	11	159
Netherlands, American Steam Nav. Co., Rotterdam	-	11	160
Netherlands, India Steam Navigating Co., Batavia	-	12	161
New York, London, and China Co., London	-	12	162
New Zealand Shipping Co., London	-	15	323
Newton, J. D. & Co., Liverpool	-	14	268
Nicol, W. and Co., Liverpool	-	15	324
Nicholson, R. and Sons, Liverpool	-	{ 15 12	{ 325 163
Nicholson and McGill, Liverpool	-	15	326
Norddentcher Lloyd, Bremen	-	12	164
NORWAY for Men-of-War	-	2	
„ for Mercantile Marine	-	4	
Norwood, C. M. and Co., London	-	12	165
Nourse, J., London	-	15	327

O.

Optional Signals	-	6	
Olano Larrinaga and Co., Liverpool	-	12	166
Orient Steam Navigation Co., London	-	12	167
Original Clan Line, Glasgow	-	15	328

P.

Pacific Mail S. S. Co., London	-	12	168
Pacific Steam Navigation Co., Liverpool	-	12	169
Palgrave, Murphy, and Co., Dublin	-	12	170
P. and O. Steam Navigation Co., London	-	12	171

	Page.	No. of Flag.
Papayanni and Co. Liverpool - -	12	172
PARAGUAY for Men-of War - -	3	
Patton, J. Jun. and Co., London - -	12	173
Penney, R. H., Brighton - -	12	174
PERSIA for Men-of-War - .	2	
PERU for Men-of War - -	3	
„ for Mercantile Marine - -	4	
Phillips and Graves, London - -	15	329
Pinkney, D. G. and Sons, Sunderland - -	12	175
Porteous and Senior, London - -	12	176
PORTUGAL for Men-of-War - -	2	
„ for Mercantile Marine - -	4	
Pyman, Bell and Co., Newcastle - -	12	177
Pyman G. and Co., West Hartlepool - -	12	178
Pyman, Watson and Co., Cardiff - -	12	179

Q.

Queen Steam Ship Co., Liverpool - -	12	180
-------------------------------------	----	-----

R.

Rankin, Gilmour and Co., { London - -	12	188
{ Liverpool - -	15	330
Rathbone, Bros., Liverpool - -	12	181
Rennie, J. T. and Son, London and Aberdeen - -	15	331
Richards, Mills and Co., Liverpool - -	{ 12	182
	{ 15	332
Richards, Power, and Co., Swansea - -	{ 12	183
	{ 15	333

	Page.	No. of Flag.
Robinson, J. and Co., N. Shields	12	184
Rome, W., Liverpool	15	334
Ropner, R. and Co., W. Hartlepool	12	185
Ross, W. H. and Co., Liverpool	12	186
Royal Standard of England	1	
ROUMANIA for Men-of-War	2	
Royal Mail S. Navigation Co., London	12	187
Royal Netherlands S. Navigation Co.	13	208
Roxburgh, J. and A., Glasgow	15	335
Royden, T. and Sons, Liverpool	15	336
Rubattino and Co., Genoa	12	189
RUSSIA for Men-of-War	2	
" for Mercantile Marine	4	
Russian S. Navigation Co., Odessa	12	190
Ruys and Sons, Rotterdam	12	191

S.

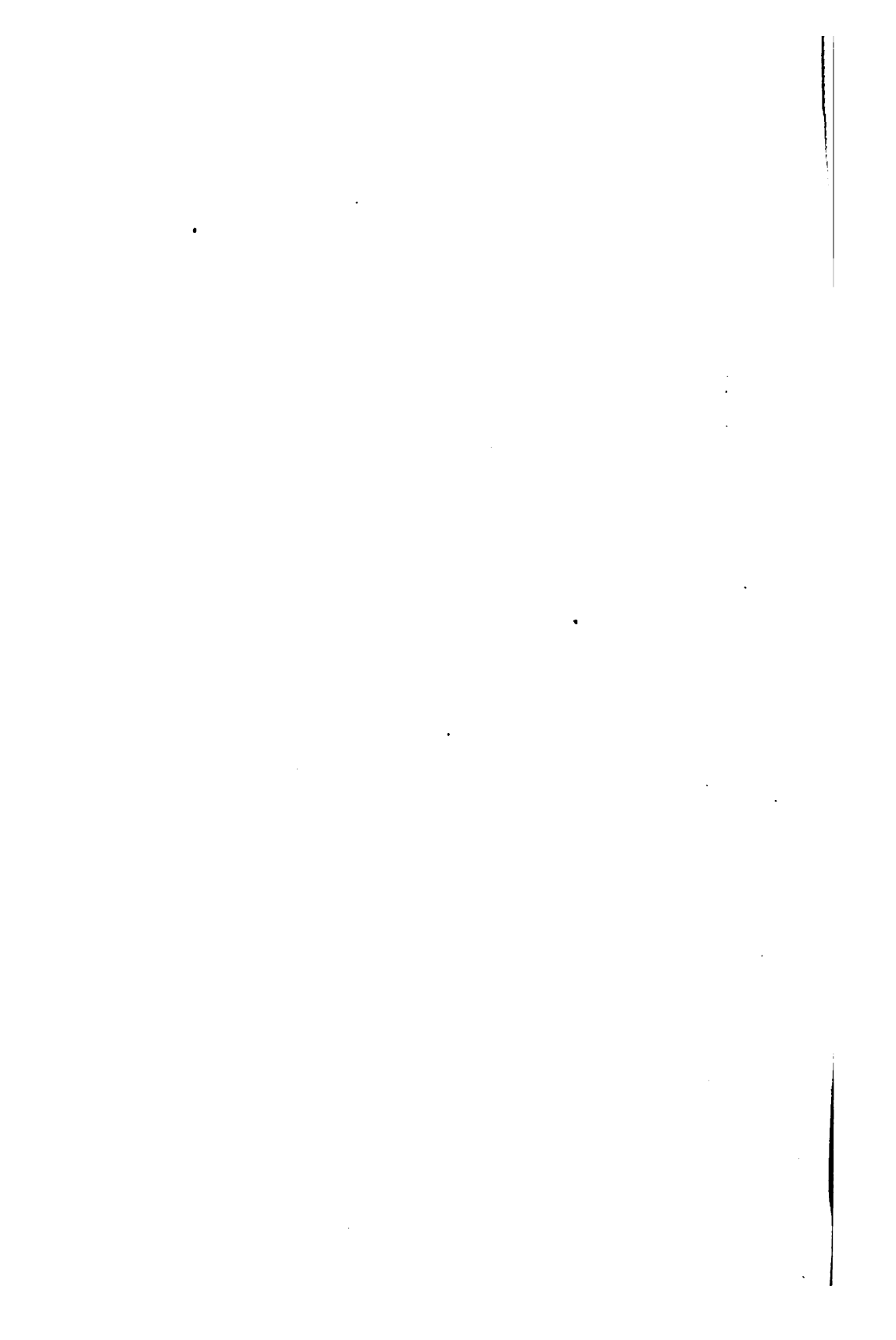
SAN DOMINGO for Men-of-War	3	
" " for Mercantile Marine	5	
Sandbach, Tinne, and Co., Liverpool	15	337
SANDWICH ISLANDS for Men-of-War	3	
Senior Officer's Pendant	1	
Shadforth, R. and Co., Sunderland	12	192
Shallcross and Higham, Liverpool	15	338
Shaw, Bushby, and Co., London	12	193
Shaw, Maxton, and Co., London	12	194
Shaw, Savill, and Co., London	15	339
Shepherd, J. and Co., London	15	340
Shotton Edw. and Co., N. Shields	12	196
Shotton Thos., N. Shields	12	195
SIAM for Men-of-War	3	

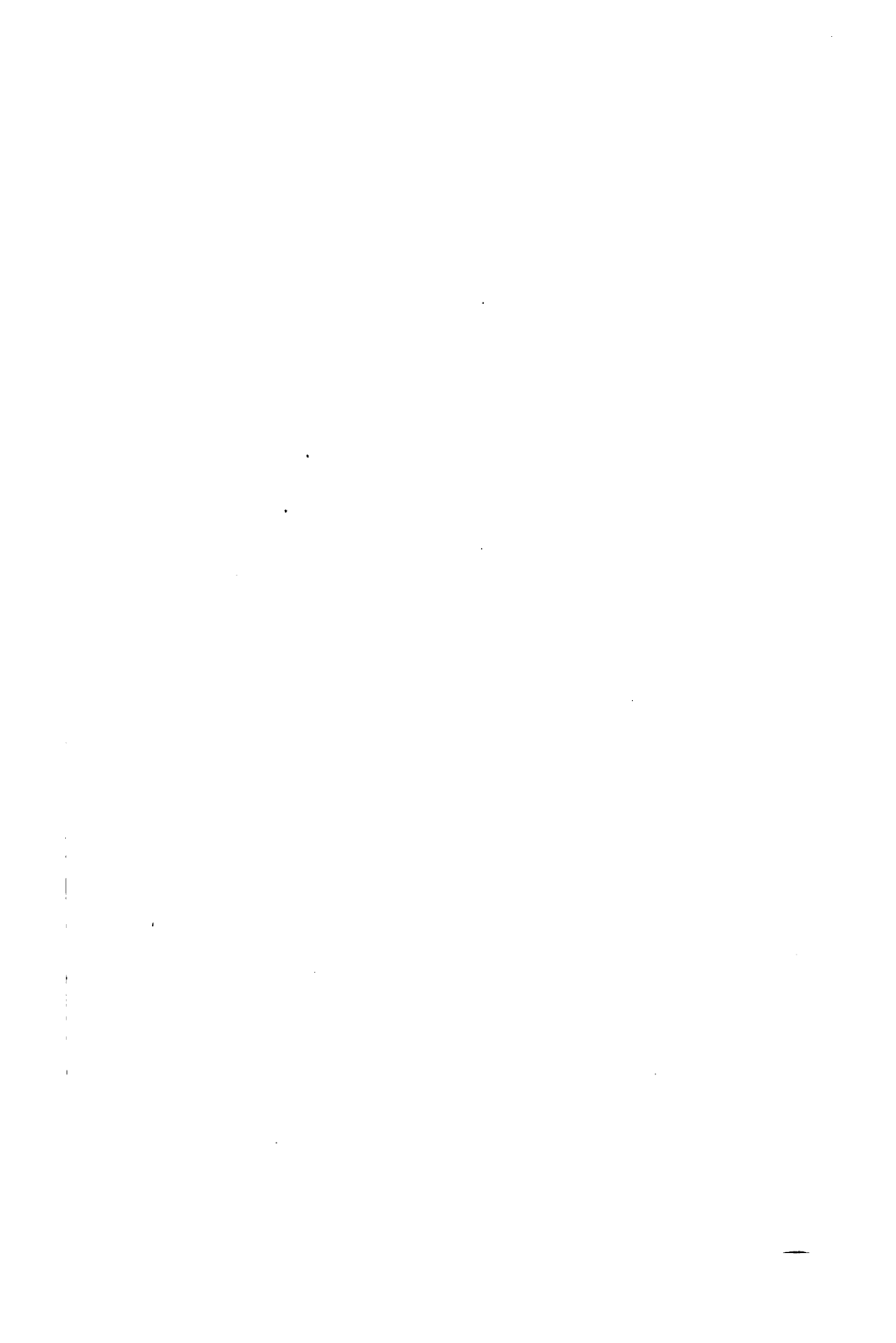
	Page.	No. of Flag.
Signals of Distress - - -	6	
Sinclair, W. P. and Co., Liverpool - -	15	341
Singlehurst, R. and Co., Liverpool - -	12	197
Skinner, T. and Co., Glasgow - - -	12	198
Smith, G. and Sons, Glasgow - - -	{ 8	40
	{ 15	342
Smith, Hill and Co., Hull - - -	12	199
Smith, T. and W., Newcastle - - -	12	200
Soc de Nav. Royale Belge Sud Americane, Antwerp -	13	201
South Eastern Railway Co., London - -	13	202
SPAIN for Men-of-War - - -	2	
„ for Mercantile Marine - - -	4	
Spartali, A. and Co., London - - -	13	203
Stallybrass, C. E., Cardiff - - -	13	204
Star Line, Liverpool - - -	12	181
State Steam Ship Co., Glasgow - - -	13	205
Steel, J. and Son, Liverpool - - -	15	343
Steel, Young, and Co., London - - -	13	206
Stephens and Mawson, Newcastle - - -	13	207
Stoddart Bros., Liverpool - - -	12	180
Stoomvaart Maatschappy, Nederland, Amsterdam -	13	208
Strong, A., Newcastle - - -	13	209
Strong, Reid and Page, Liverpool - - -	13	210
Stumore, Weston and Co., London - - -	13	217
Swansea Merchant's Shipowners Co., Swansea -	15	344
SWEDEN for Men-of-War - - -	2	
„ for Mercantile Marine - - -	4	
Swire, John and Sons, London - - -	13	211

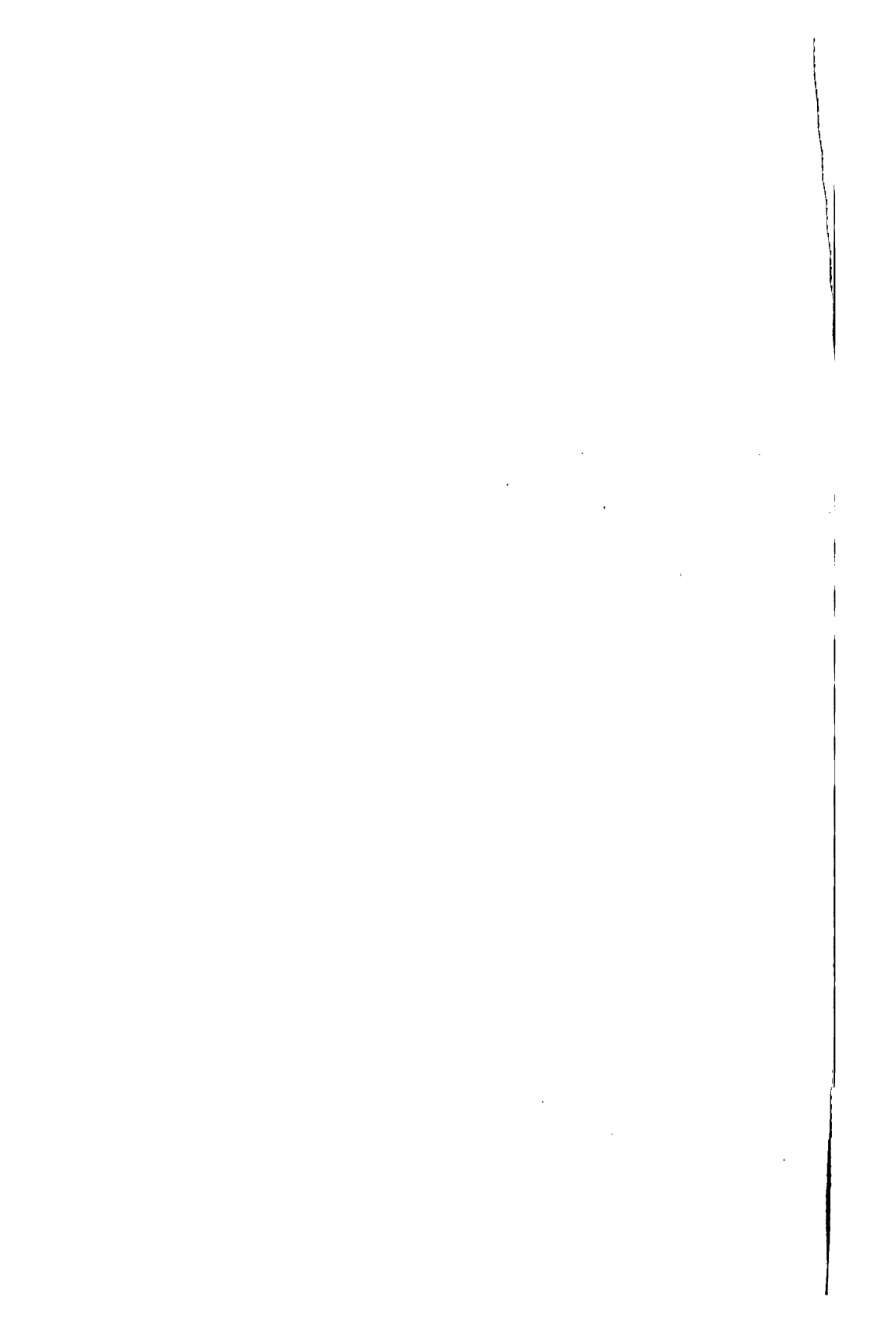
Index.

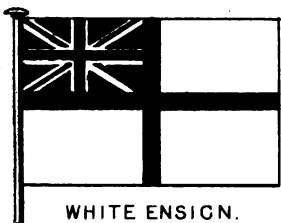
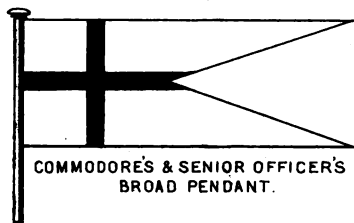
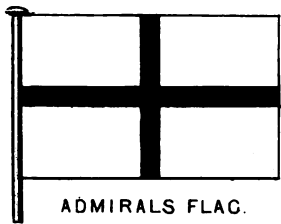
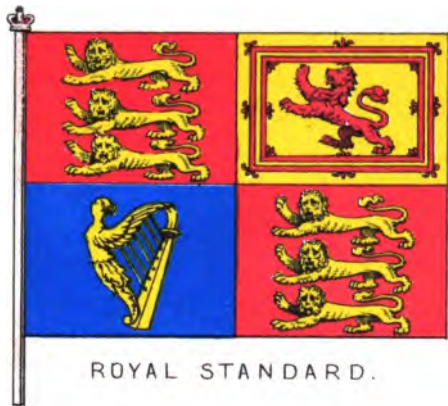
T.		Page.	No. of Flag.
Underland	-	13	212
Co. Liverpool	-	13	213
Sunderland	-	13	214
1 Darke, London	-	{ 15	345
	-	{ 13	215
Newcastle	-	13	216
Co., Glasgow	-	15	346
ie	-	15	347
Glasgow	-	15	348
and Co., Liverpool	-	15	349
, London	-	15	350
	-	13	217
Co., London	-	14	278
Co., Glasgow	-	13	218
Whitby	-	13	219
War	-	2	
tile Marine	-	4	
Gateshead	-	13	220
London	-	15	351
U.			
Belfast	-	13	221
	-	1	
Southampton	-	13	222
of New Zealand, Dunedin	-	13	223
ndon	-	13	224
F AMERICA for Men-of-War	-	2	
„ for Mercantile Marine	-	4	
f-War	-	3	

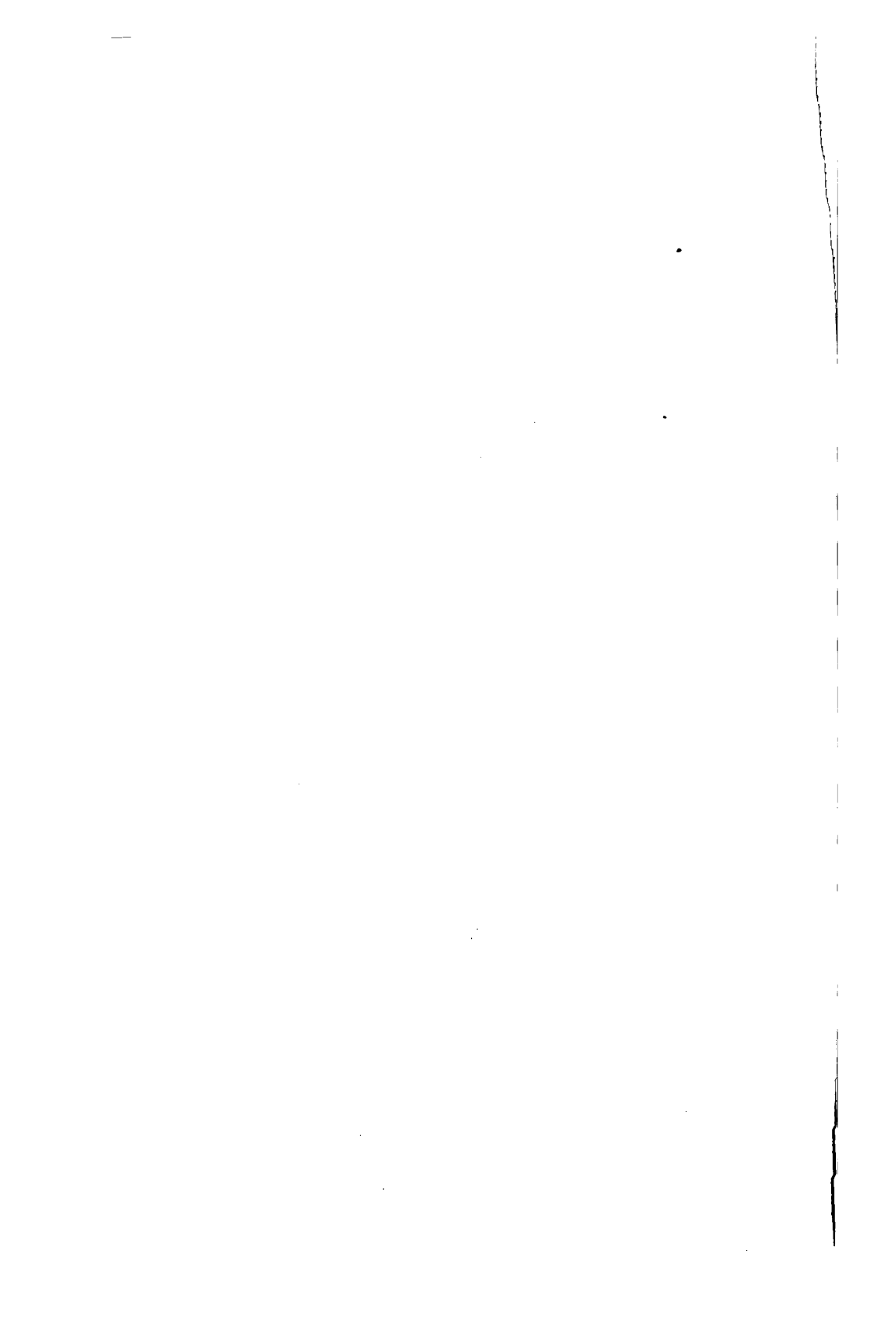
		Page.	No. of Flag.
V.			
VENEZUELA for Men-of-War	-	-	3
Vessels' Lights	-	-	7
W.			
Wait, J. and J., Newcastle	-	13	225
Walmsley, J. B. and Co., Liverpool	-	15	352
Wakeham, S. and Son, Liverpool	-	15	353
Warrack, J. and Co., Leith	-	13	226
Warren, G. and Co., Liverpool	-	13	227
Wätjen, D. H. and Co., Bremen	-	15	354
Watson, Bros., Glasgow	-	15	355
Watts, Ward, and Co., London	-	13	228
West Hartlepool S. Navigation Co., W. Hartlepool	-	13	229
West Indies Pacific Steam Ship Co., Liverpool	-	13	230
Westoll, James, Sunderland	-	13	231
White Cross Line	-	13	232
White Ensign	-	1	
White Star Line, Liverpool	-	13	233
Whitwill, (Mark) and Son, Bristol	-	13	234
Wigram, (Money) and Sons, London	-	13	235
Wilkie and Turnbull, N. Shields	-	13	236
Wilkinson, Watt, and Co., W. Hartlepool	-	13	237
Williams, T. and Co., Liverpool	-	15	356
Williamson, C., Leith	-	13	238
Williamson, Milligan, and Co., Liverpool	-	15	357
Willis, J. and Co., London	-	15	358
Wilson, J. and R., Glasgow	-	15	359
Wilson Line Hull	-	13	239
Wright, W. and R., Liverpool	-	15	360
Y.			
Young, C. O. and Christies, Cardiff	-	13	240
Young, Ehlers and Co.	-	9	47



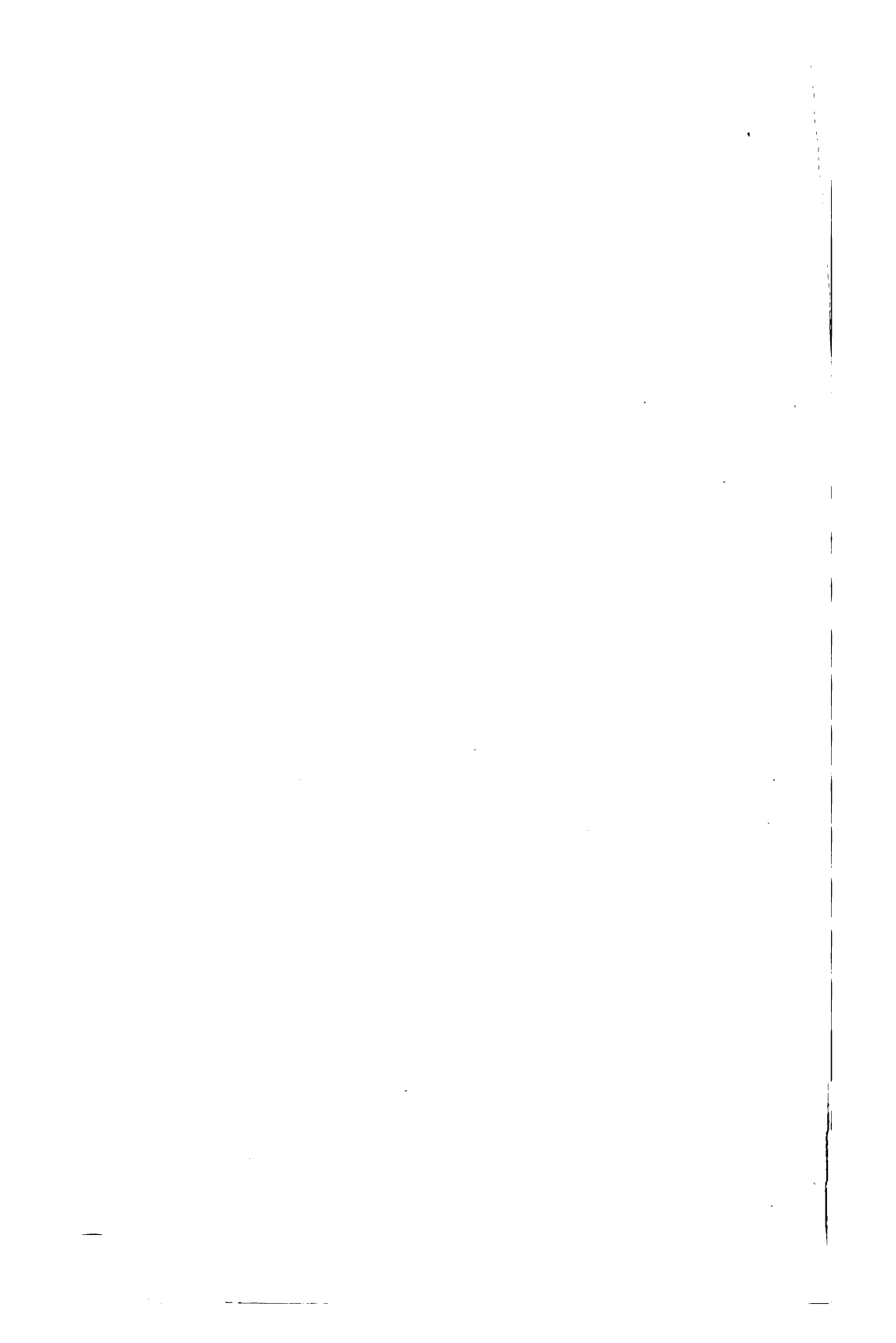




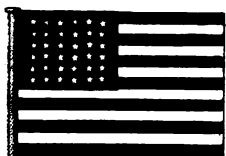








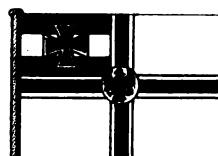
NATIONAL ENSIGNS FOR MEN OF WAR.



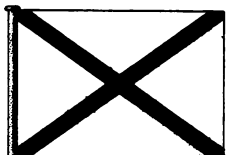
UNITED STATES OF AMERICA.



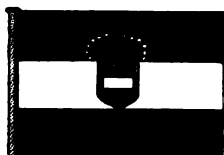
FRANCE



GERMANY.



RUSSIA.



AUSTRIA.



SPAIN.



ITALY.



TURKEY.



EGYPT.



BELGIUM.



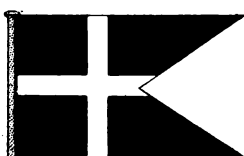
HOLLAND.



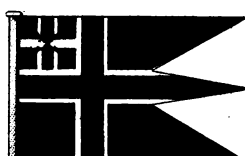
GREECE.



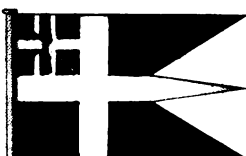
PORTUGAL.



DENMARK.



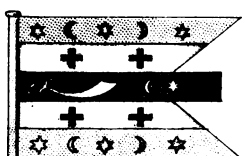
NORWAY.



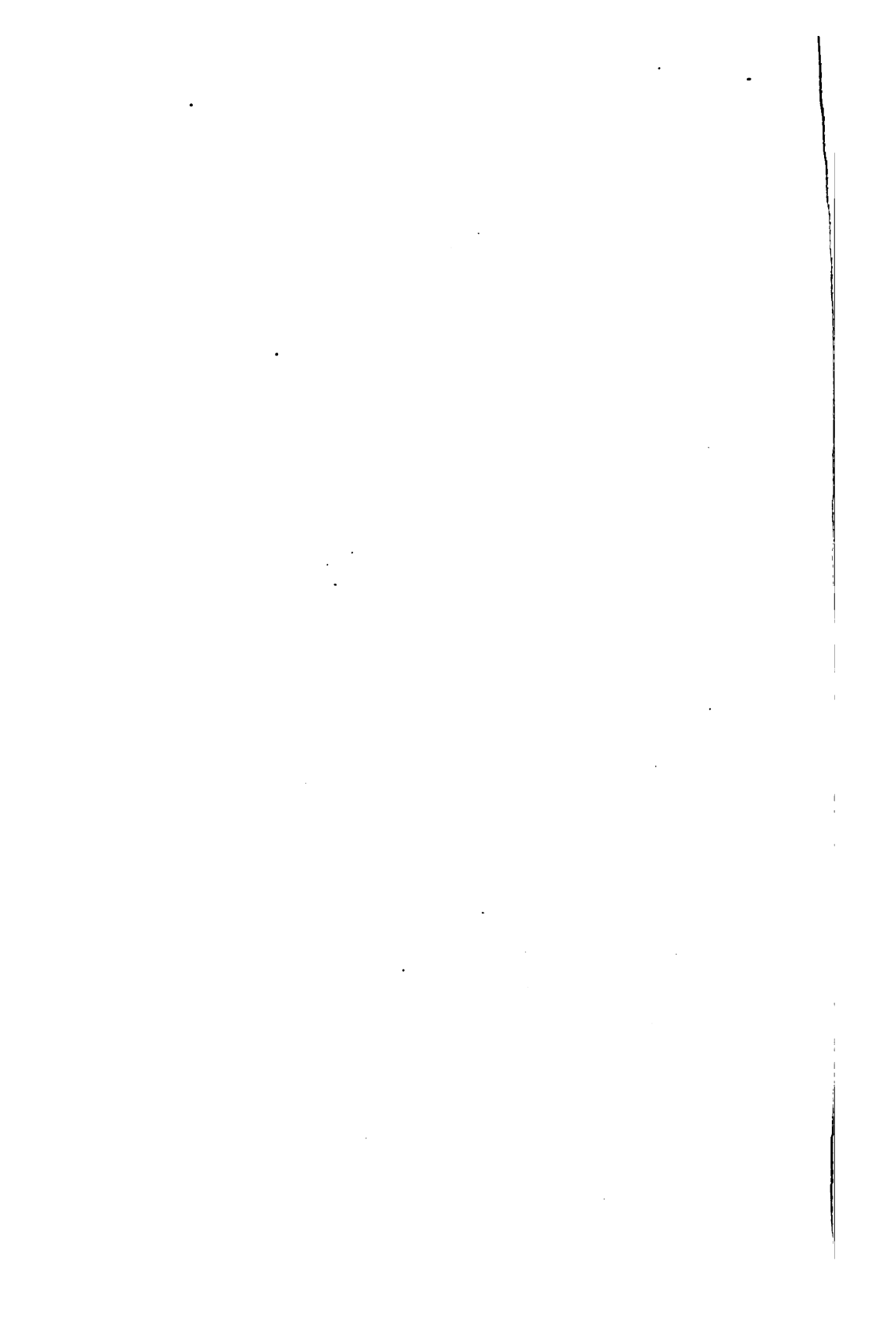
SWEDEN.

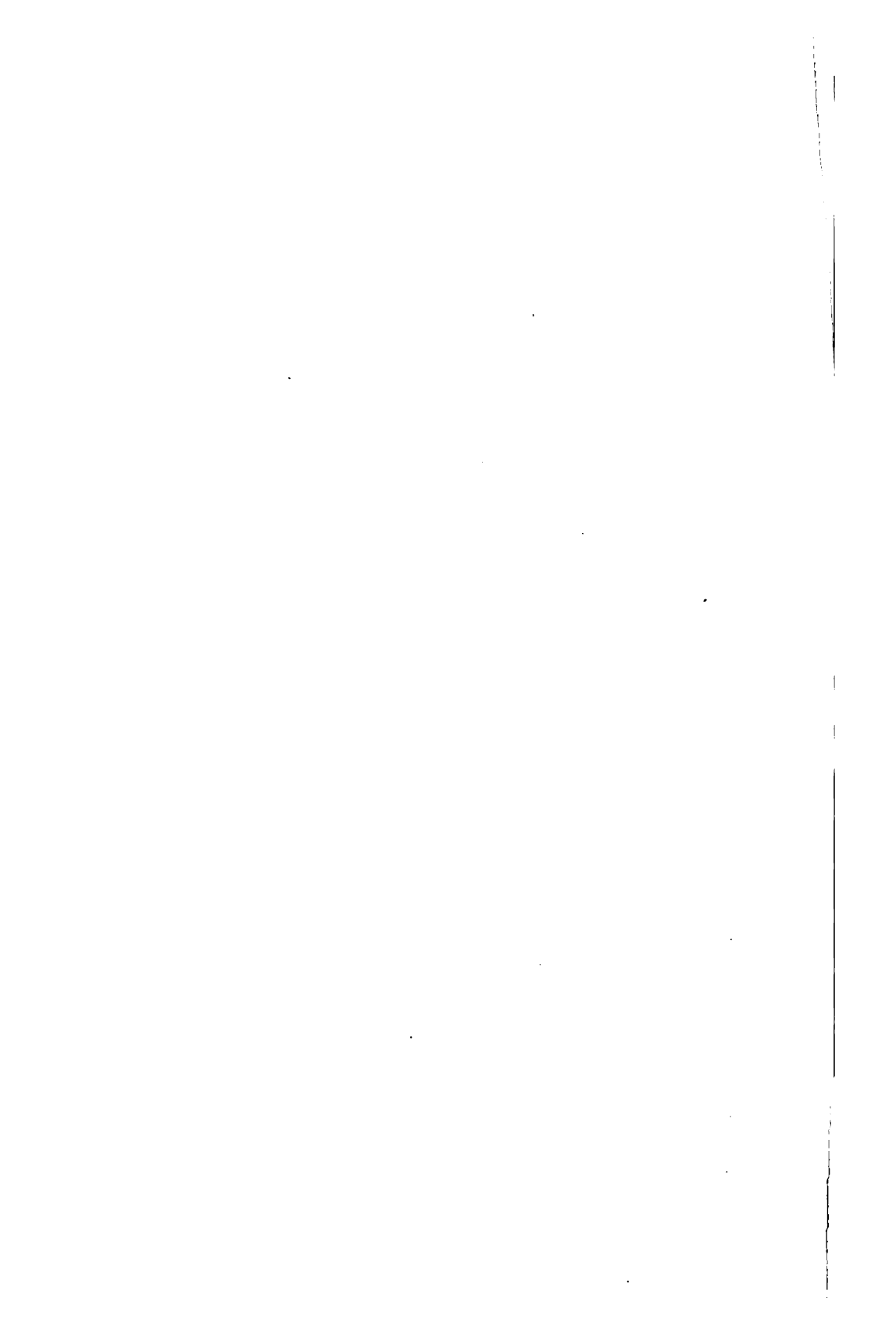


ROUMANIA.

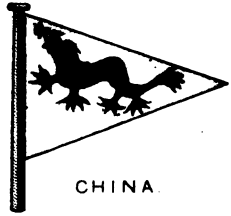


PERSIA.

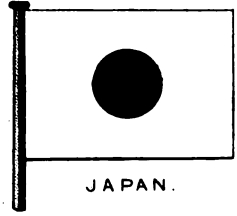




NATIONAL ENSIGNS FOR MEN OF WAR.



CHINA.



JAPAN.



BRAZIL.



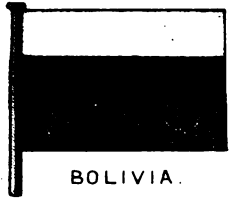
MEXICO.



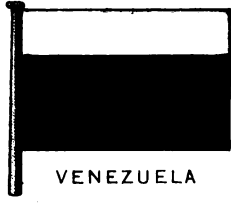
CHILI.



PERU.



BOLIVIA.



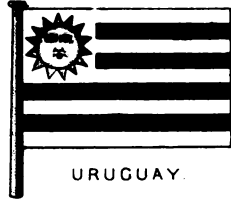
VENEZUELA



ECUADOR



PARAGUAY.



URUGUAY.



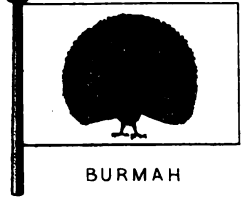
HAITI.



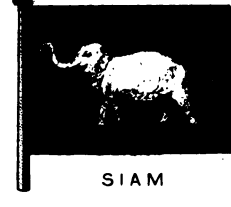
SAN DOMINGO



ARGENTINE REPUBLIC.



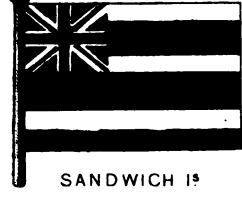
BURMAH



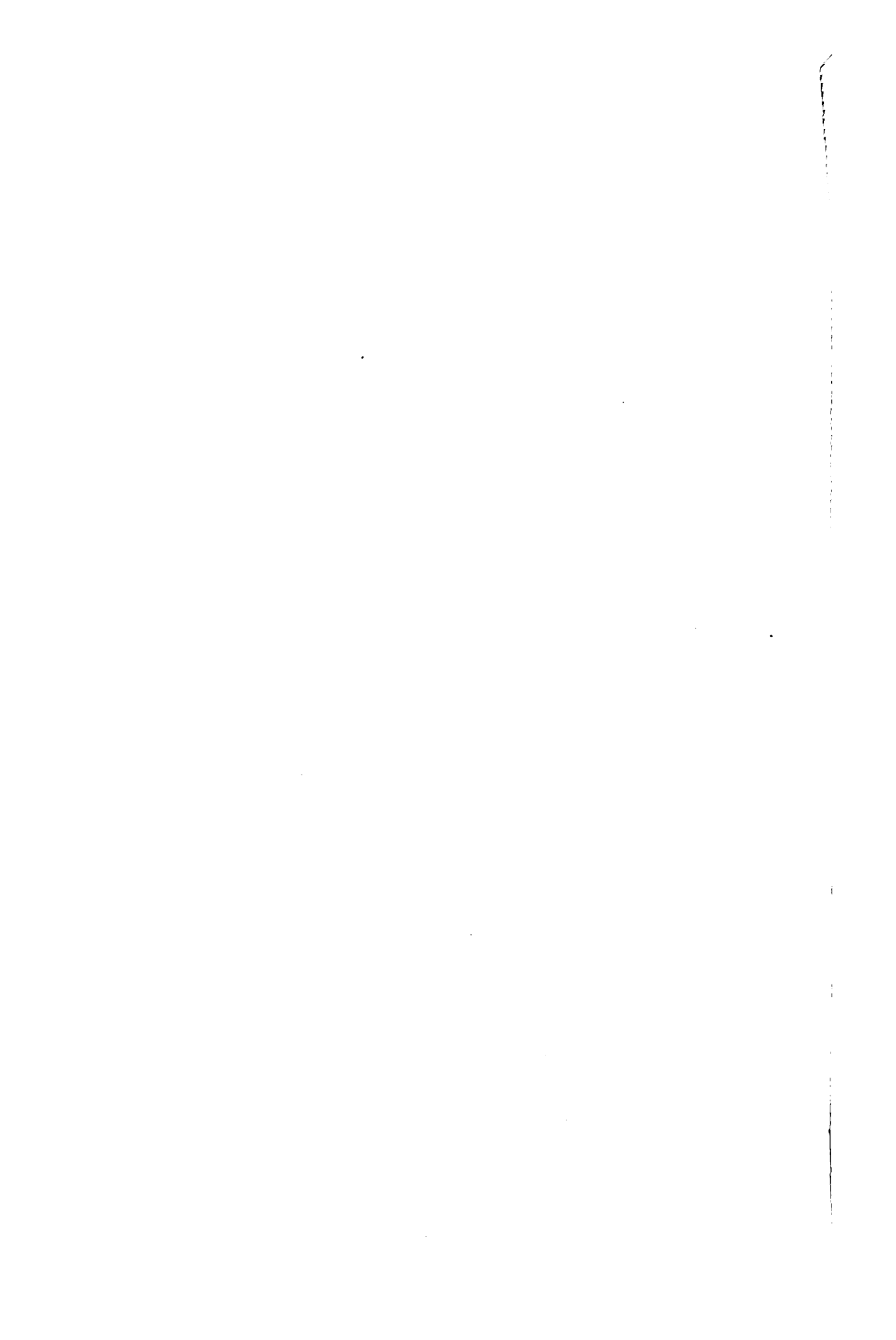
SIAM

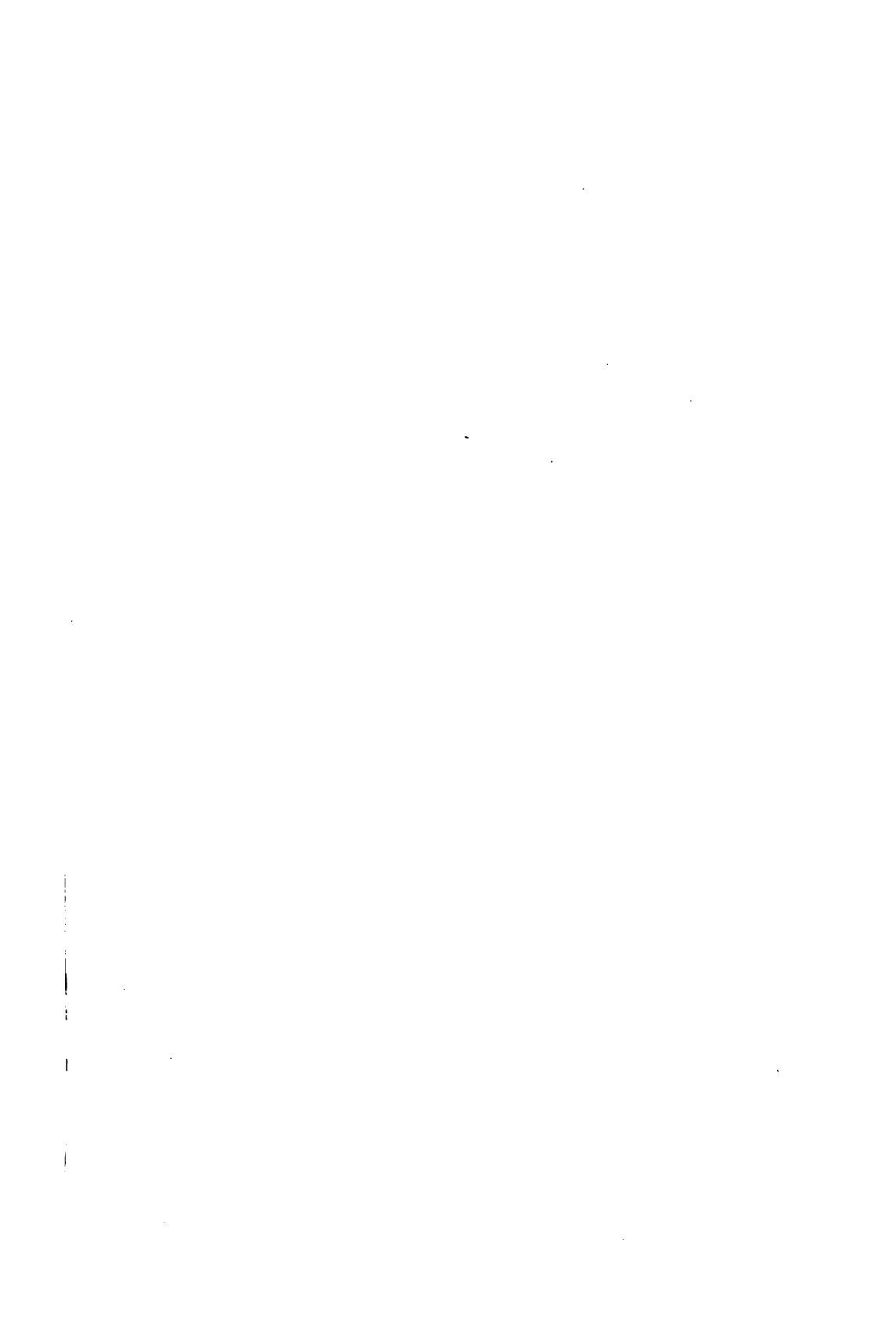


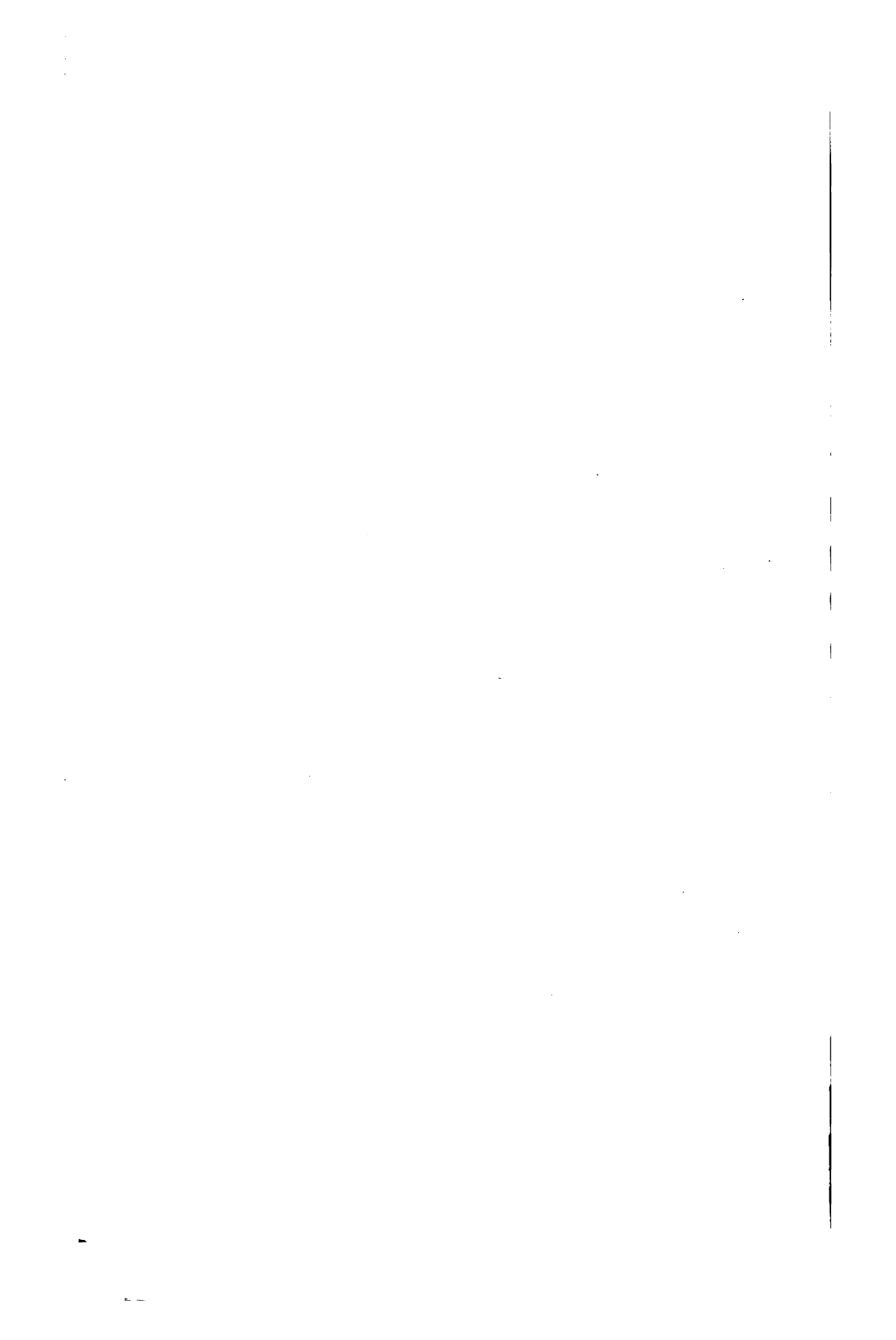
MOROCCO.



SANDWICH IS.







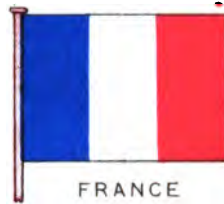
NATIONAL COLOURS FOR MERCANTILE MARINE.



ENGLAND.



UNITED STATES OF AMERICA.



FRANCE.



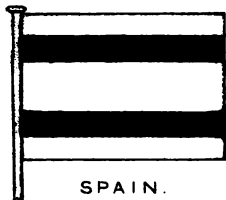
GERMANY.



RUSSIA.



AUSTRO-HUNGARY.



SPAIN.



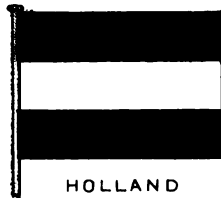
ITALY.



TURKEY, TRIPOLI, EGYPT.



BELGIUM.



HOLLAND.



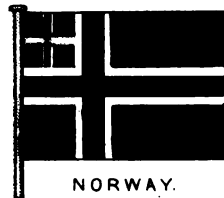
GREECE.



PORTUGAL.



DENMARK.



NORWAY.



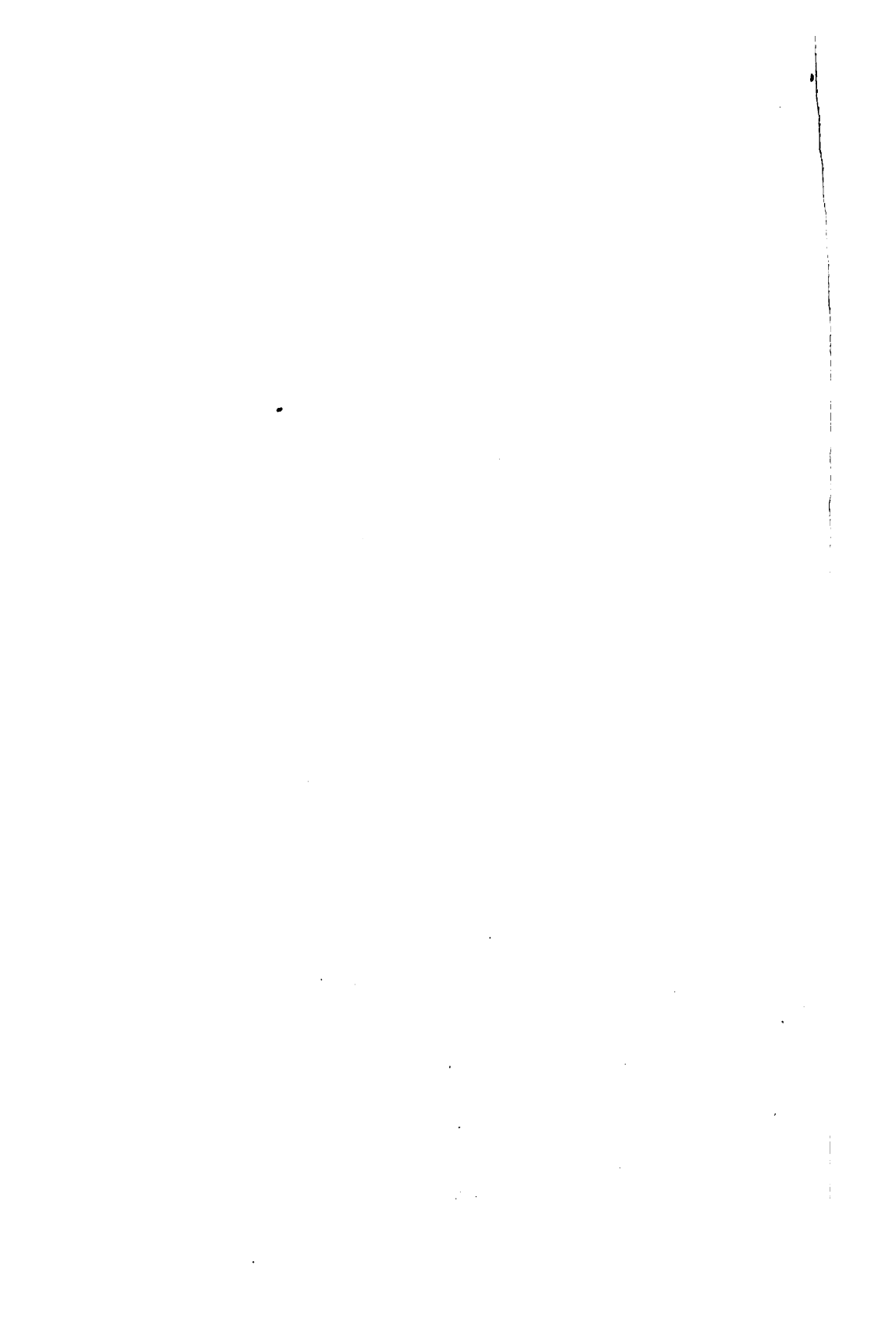
SWEDEN.

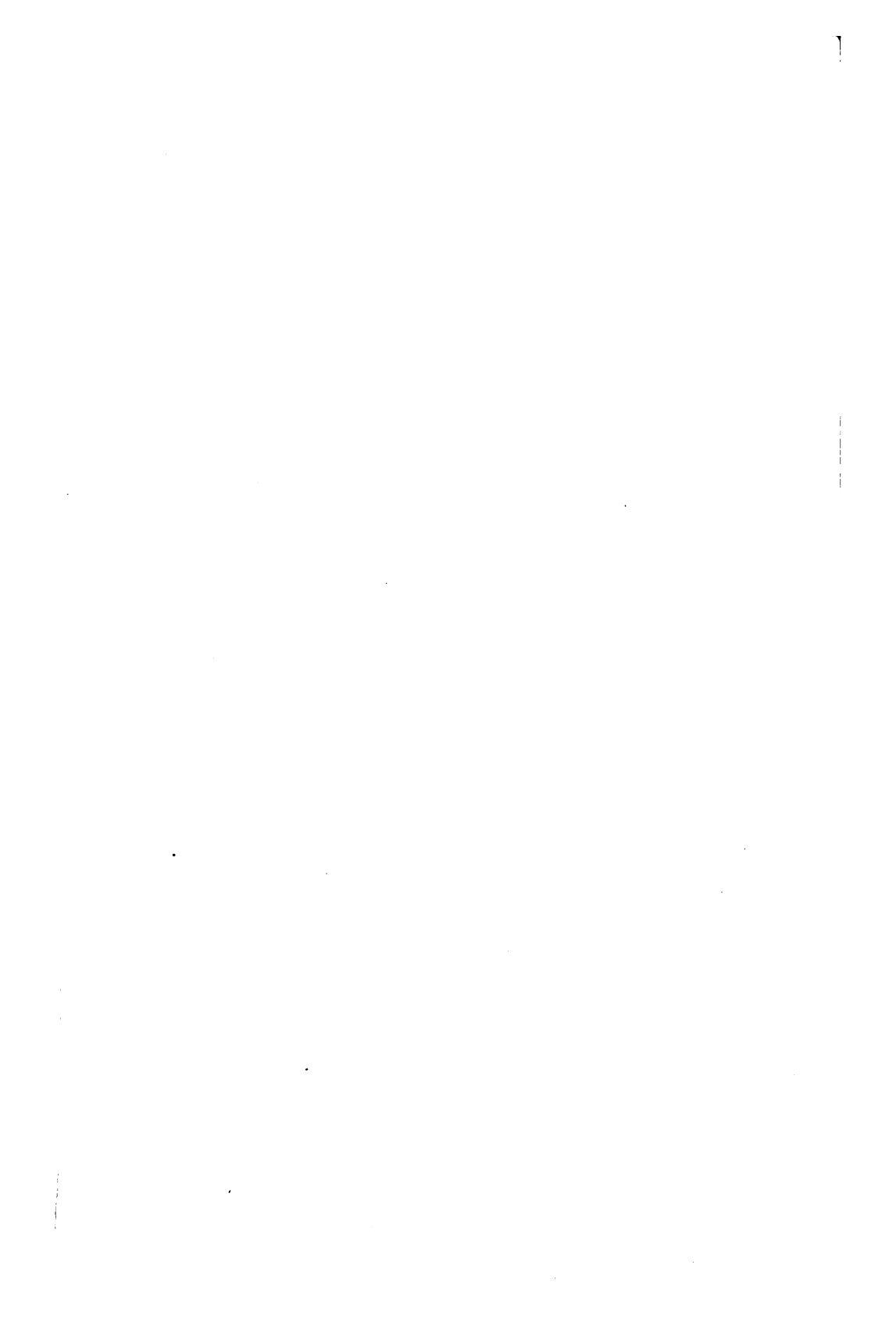


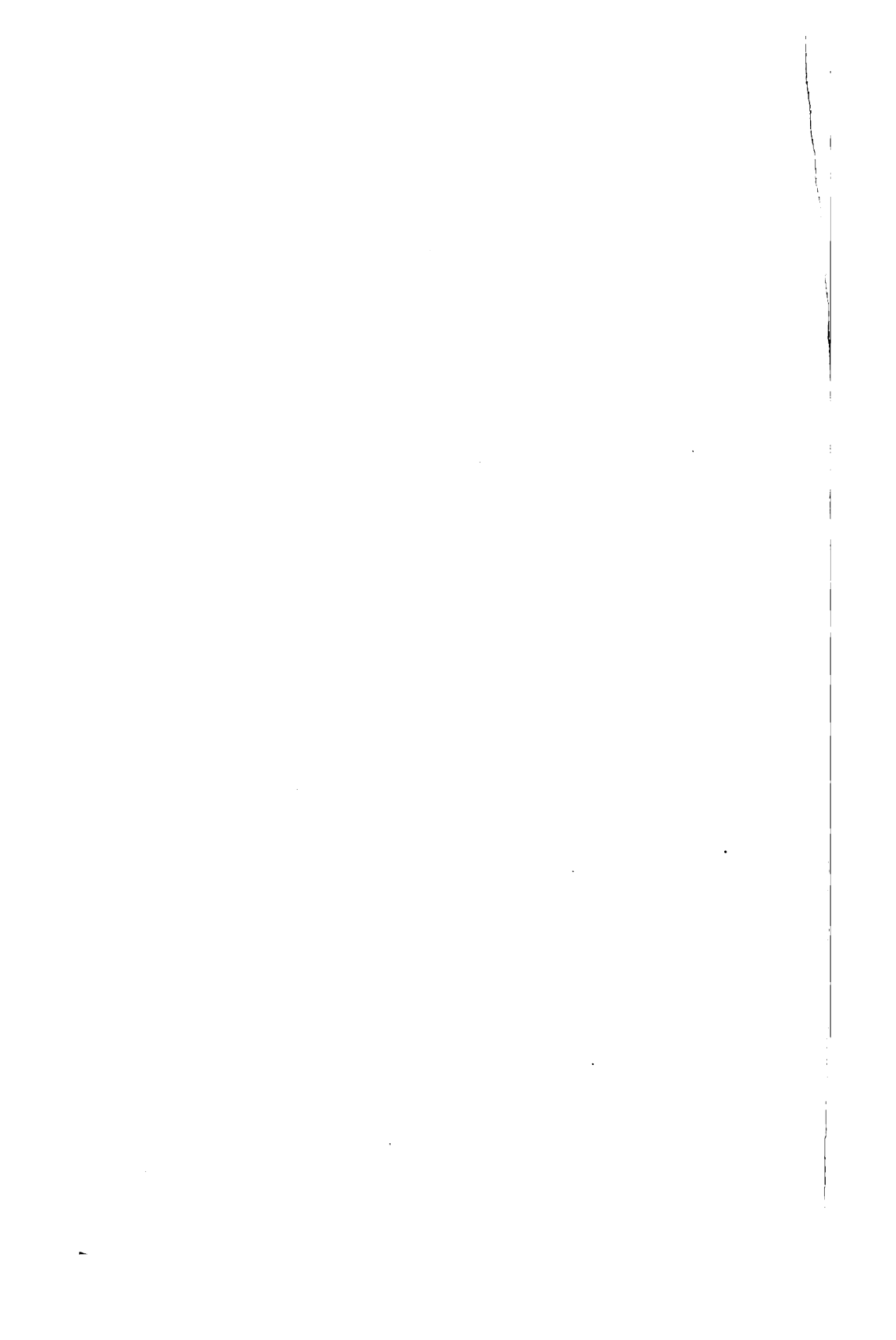
BRAZIL.



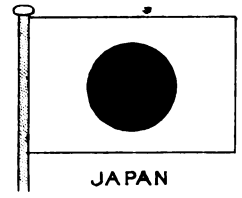
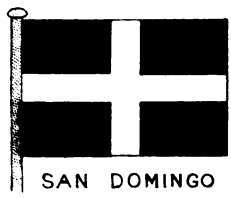
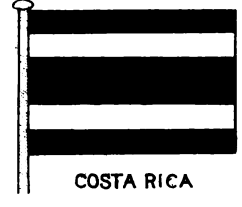
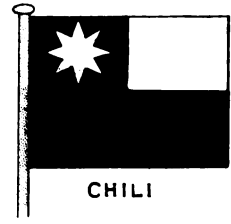
PERU.



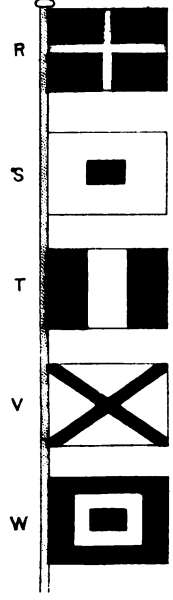
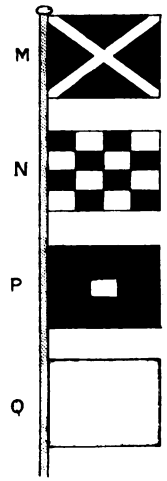
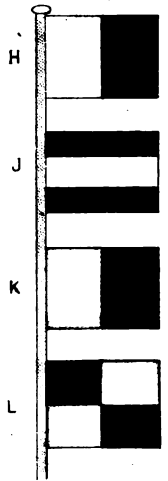
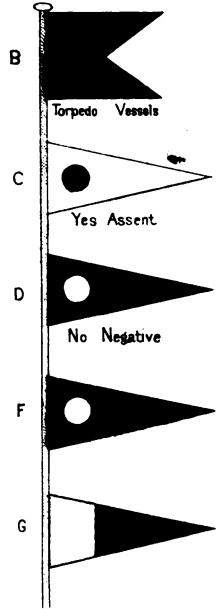
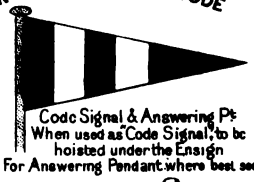


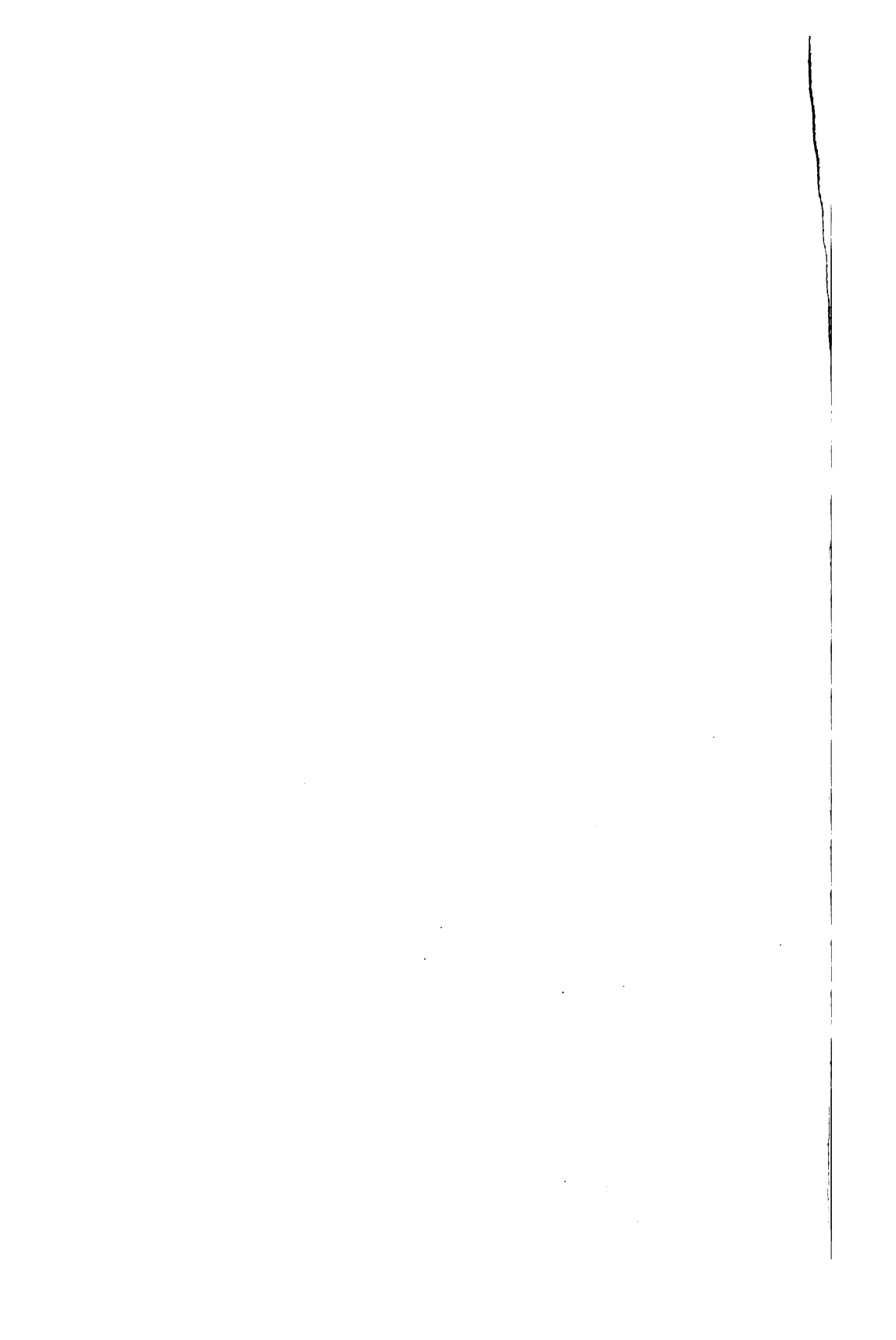


NATIONAL COLOURS FOR MERCANTILE MARINE.



INTERNATIONAL CODE





FOG SIGNALS.

STEAM VESSEL

STEAM WHISTLE



ONE
PROLONGED BLAST,
at intervals not more than
2 minutes.

Steam Vessel UNDER WAY.

SAILING VESSEL

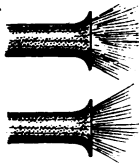
FOG HORN



ONE BLAST,
at intervals of not more
than 2 minutes.

Sailing Vessel on STARBOARD tack.

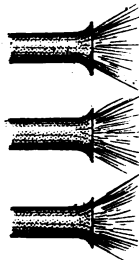
FOG HORN



TWO BLASTS,
in succession, at intervals of not
more than 2 minutes.

Sailing Vessel on PORT tack.

FOG HORN



THREE BLASTS,
in succession at intervals of not
more than 2 minutes.

Sailing Vessel with wind
ABAFT THE BEAM.



A BELL,
rung at intervals of not
more than 2 minutes.

Steam or Sailing Vessel
when NOT under weigh.

OPTIONAL SIGNALS;

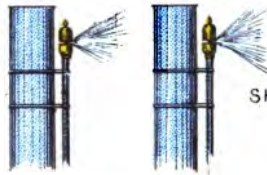
by a Steam Vessel under way.

STEAM WHISTLE



ONE
SHORT BLAST
"I am directing my course
to STARBOARD"

STEAM WHISTLE



TWO
SHORT BLASTS

"I am directing my course to PORT"

STEAM WHISTLE



THREE SHORT BLASTS

"I am going full speed astern."

SIGNALS OF DISTRESS.



A GUN
at intervals of about
a minute.

or



ROCKETS OR SHELLS
of any colour or description
fired one at a time at short
intervals.

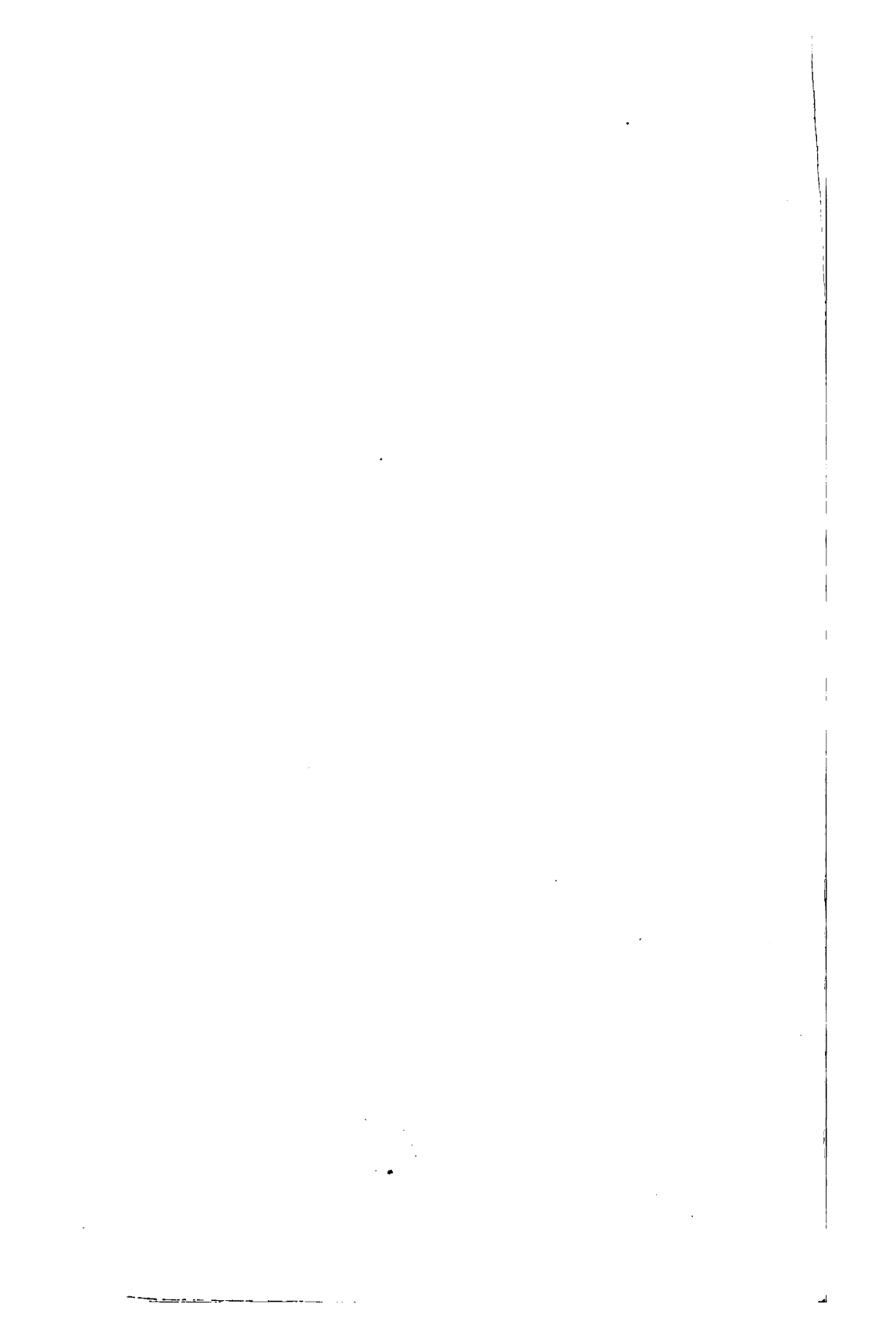
or



FLAMES ON THE SHIP.
(as from a burning tar barrel
or oil barrel &c.)

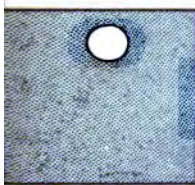
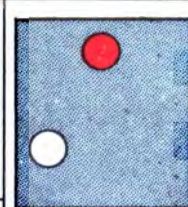
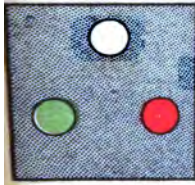
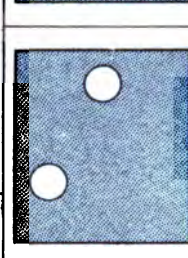

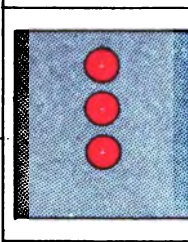
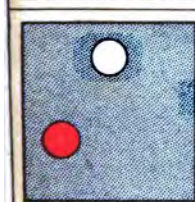
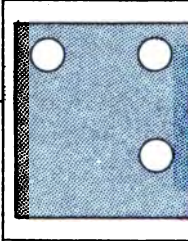
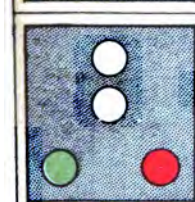
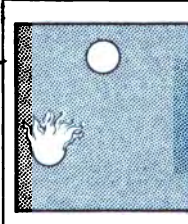
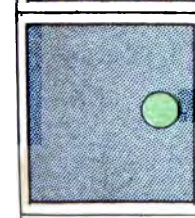
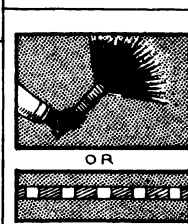
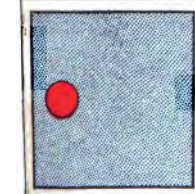


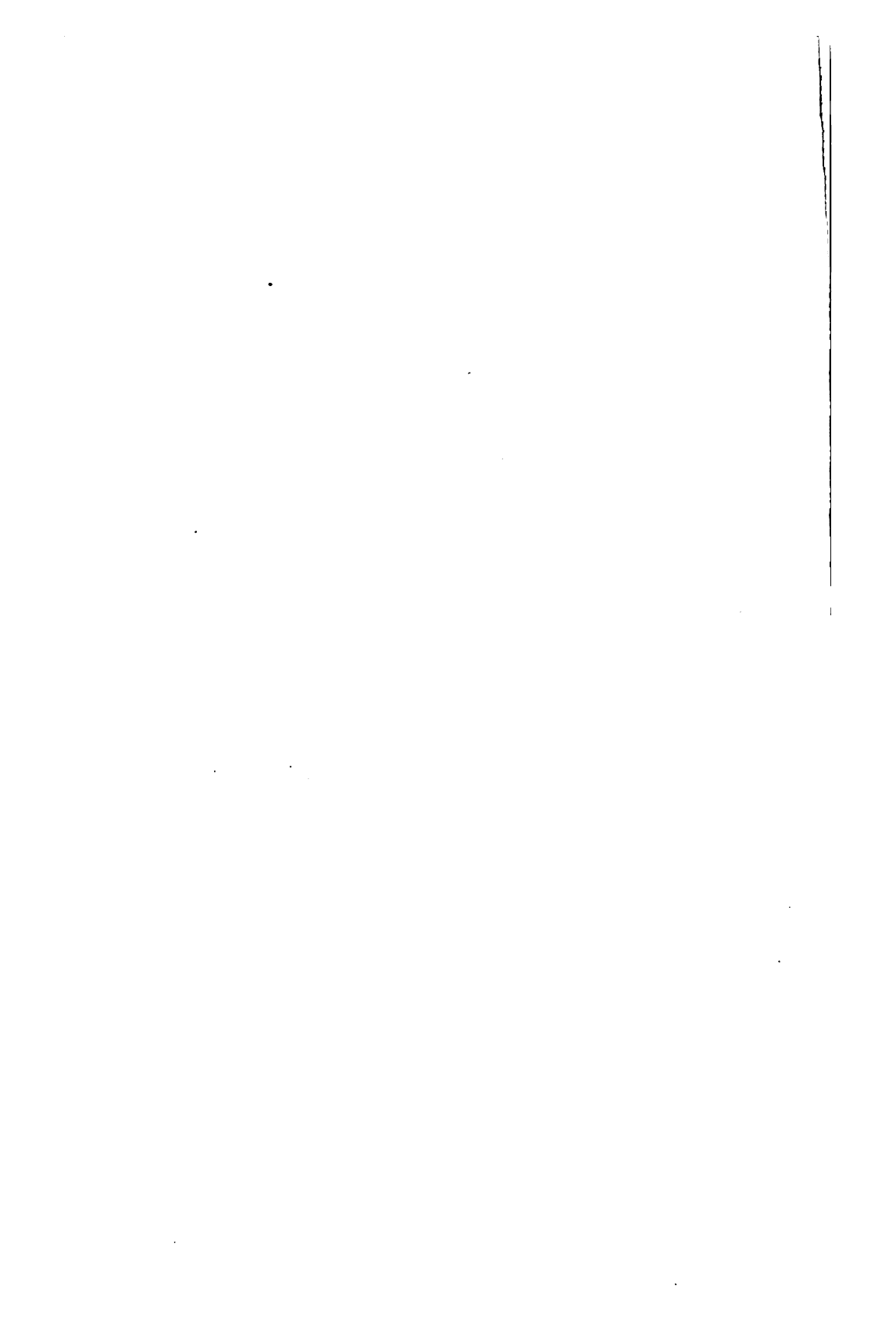
DISTANT SIGNAL
Any Flag and Ball
or anything
resembling a Ball

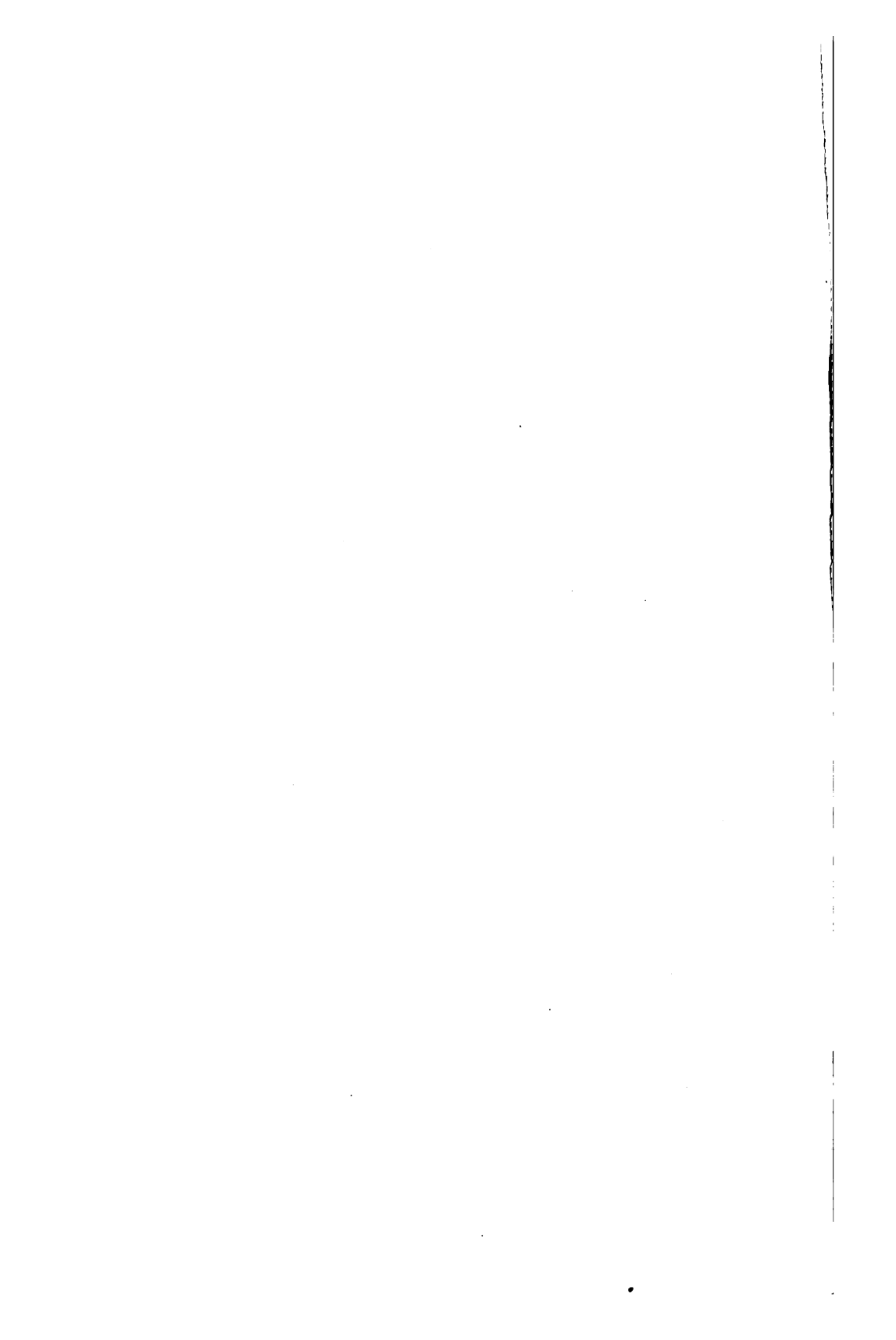




VESSELS' LIGHTS AS SEEN BY A LOOK-OUT-MAN.

	<p>Vessel at Anchor, or Vessel overtaken by another.</p>		<p>Trawling Vessel. (under revision)</p>
	<p>Steam Vessel under way <u>BOWS ON.</u></p>		<p>Drift Net Fishing Vessel. (A flare up in addition is optional).</p>
	<p>Steam Vessel moving towards the <u>RIGHT.</u></p>		<p>Steam or Sailing Vessel not under command, in consequence of any accident & therefore unable to get out of the way. or Vessel laying or picking up a Telegraph Cable.</p>
	<p>Steam Vessel moving towards the <u>LEFT.</u></p>		<p>Wreck marking Vessel. The wreck is on the side with one light, The channel is clear on the side where two lights are displayed.</p>
	<p>Steam Vessel, with another vessel in tow <u>BOWS ON.</u></p>		<p>Pilot vessel on Pilotage duty. A flare-up at short intervals which shall never exceed 15 minutes.</p>
	<p>Sailing Vessel moving towards the <u>RIGHT.</u></p>		<p>Vessel wanting a Pilot. Blue light every 15 minutes, or White light flashed at short or frequent intervals for about a minute at a time.</p>
	<p>Sailing Vessel moving towards the <u>LEFT.</u></p>		

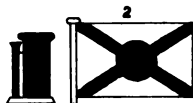




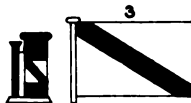
STEAM VESSELS



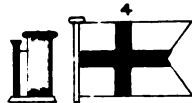
1
ADAM, HAMILTON & CO
GREENOCK.



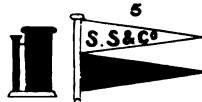
2
ADAMSON & RONALDSON.
LONDON.



3
ADAMSON & SHORT.
N. SHIELDS.



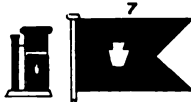
4
AFRICAN STEAM SHIP CO
LONDON.



5
ALEXANDER & RADCLIFFE.
HALL LINE.
LIVERPOOL.



6
ALLAN LINE.
GLASGOW.



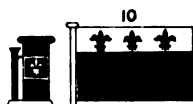
7
AMERICAN S.S. CO
LONDON.



8
ANCHOR LINE.
HENDERSON BROS
GLASGOW.



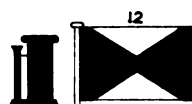
9
ANDERSON, HOBAN & CO
SUNDERLAND.



10
ANGIER BROS
LONDON.



11
ANGLO-EGYPTIAN NAV. CO
LONDON.



12
APCAR & CO
CALCUTTA.



13
ASIATIC STM NAV CO
LIVERPOOL.



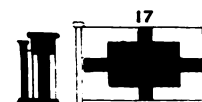
14
ATLAS LINE.
LEECH, HARRISON & FORWOOD.
LIVERPOOL.



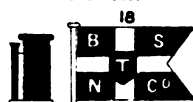
15
AUSTRALASIAN S. NAV. CO
SYDNEY.



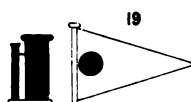
16
JOHN BACON.
LIVERPOOL.



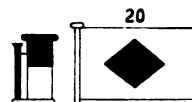
17
BAILEY & LEETHAM.
MULL.



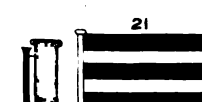
18
BEDDING, STEAM NAV CO
LIVERPOOL.



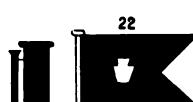
19
BELFAST S. S. CO
BELFAST.



20
BLUE DIAMOND LINE.
J. HAY & CO
LIVERPOOL.



21
BLYTHE BROS
LIVERPOOL.



22
BRITISH & AFRICAN.
STEAM NAV CO
GLASGOW.



23
BRIT & BURMESE S. NAV. CO LIM.
P. HENDERSON & CO
GLASGOW.



24
BRITISH INDIA, STEAM NAV CO
LONDON.



25
BRITISH & IRISH STEAM PKT CO LIM.
DUBLIN.



26
BROWN, ATKINSON & CO
MULL.



27
BURMAH S. S. CO
GREENOCK.



28
BURNS & M'IVER.
LIVERPOOL.



29
BURRELL & SON.
GLASGOW.



30
CANADA SHIPPING CO
MONTREAL.



31
CAPPEL, ALEXANDER & CO
LONDON.



32
F. CARVILL & SON.
LIVERPOOL.



33
D. CAW & CO
GLASGOW.



34
M. CAY & CO
S. SHIELDS.



35
CHANNEL LINE.
MURRAY BROS & CO



36
CHINA NAV. CO
LONDON.



37
CHINA TRANS. PACIFIC S.S. CO
LONDON.



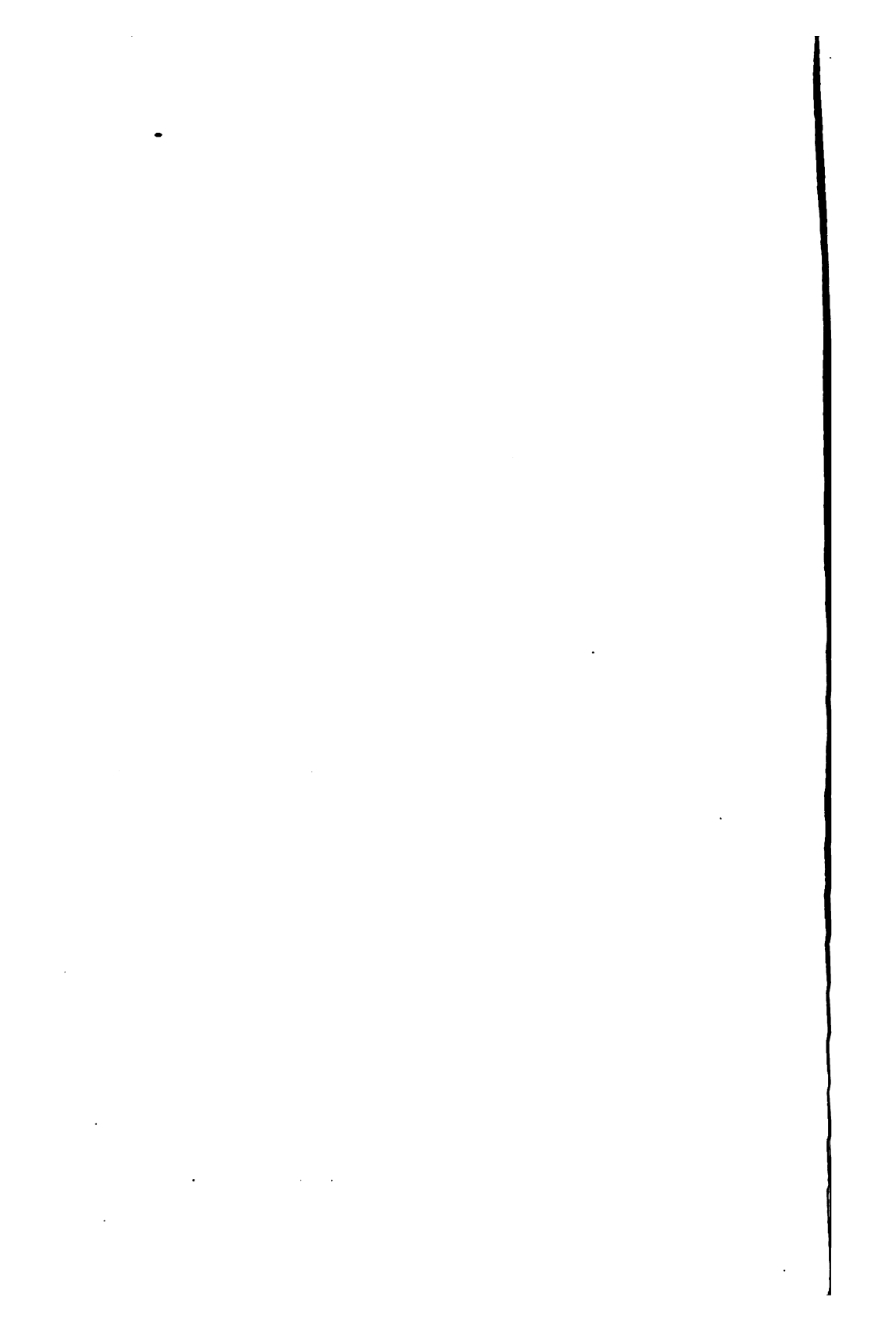
38
CITY OF CORK S. PKT CO
CORK.

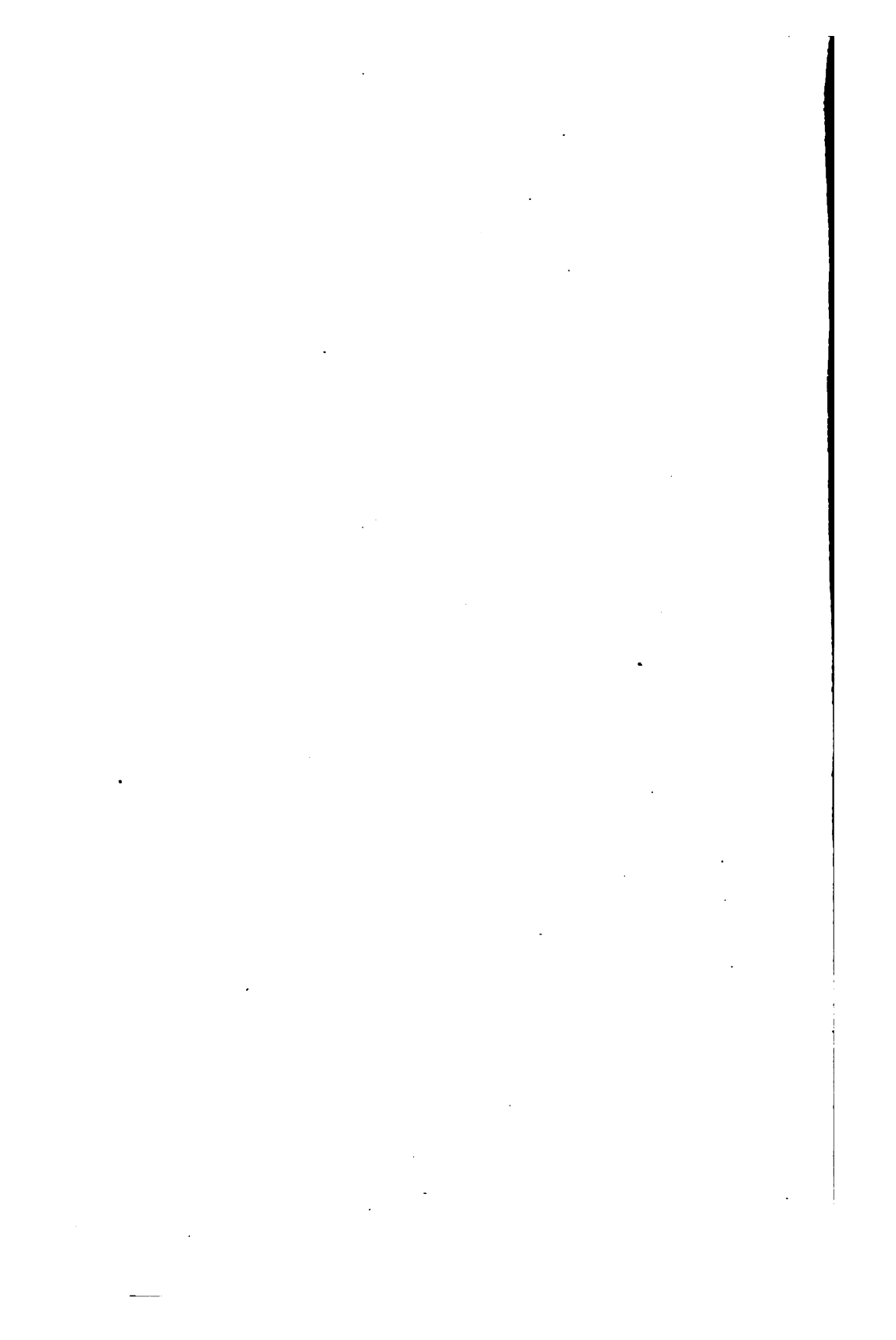


39
CITY OF DUBLIN S. PKT. CO
DUBLIN.



40
CITY LINE.
C. SMITH & SONS.
GLASGOW.

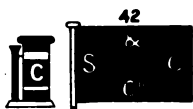




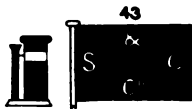
STEAM VESSELS



41
CLAN LINE,
CAYZER, IRVINE & CO
GLASGOW.



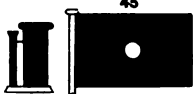
42
H. CLAPHAM & CO
NEWCASTLE.



43
STEPHENSON, CLARK & CO
LONDON.



44
CLYDE SHIPPING CO.
G.J. KIDSTON,
GLASGOW.



45
A. M. COHEN,
NEWCASTLE.



46
COLLINGS & CO.
LONDON.



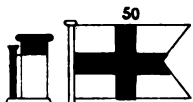
47
COMMERCIAL S.S. CO. LINE,
YOUNG, ELLIERS & CO



48
COMPAGNIE GENERALE
TRANSATLANTIQUE,
PARIS.



49
COMPANIA TRASANTANTICA
BARCELONA.



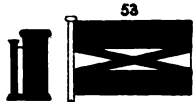
50
CORK S.S. CO. LIM.
CORK.



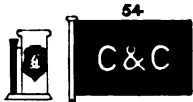
51
E. CORY & CO
W. HARTLEPOOL.



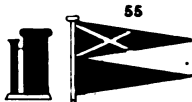
52
DOVERDALE, TODD & CO.
HARTLEPOOL.



53
R. MORRIS,
GLASGOW.



54
GULLIFORD & CLARK,
SUNDERLAND.



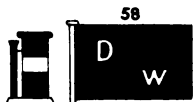
55
GUINARD LINE,
(BURNS & McIVER)
LIVERPOOL.



56
DONALD CURRIE & CO.
LONDON.



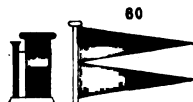
57
E. M. DE BUSCHE,
LONDON.



58
DIXON & WILSON,
SUNDERLAND.



59
W. H. DIXON,
LIVERPOOL.



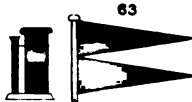
60
DUGAL LINE,
MR DIARMID, GREENIELDS & CO
LONDON.



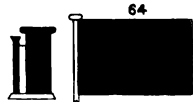
61
EARL OF DURHAM &
H. T. MORTON,
SUNDERLAND.



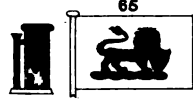
62
EASTON & AUSTRALIAN,
MAILS. CO. LIM.
LONDON.



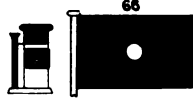
63
EASTERN S. S. CO
LONDON.



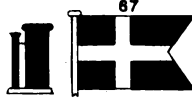
64
E. ECCLES,
NEWCASTLE.



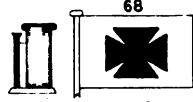
65
EDWARDS'S
CARDIFF & N. YORK LINE,
CARDIFF.



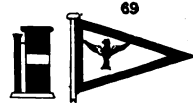
66
H. S. EDWARDS,
SHIELDS.



67
ELDER, DEMPSTER & CO
LONDON.



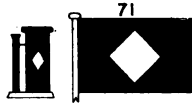
68
ELLIOTT, LOWREY & DUNFORD,
NEWCASTLE.



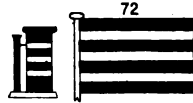
69
H. E. FALK,
LIVERPOOL.



70
FENWICK & CO
LONDON.



71
J. FENWICK & SONS,
LONDON.



72
FISHER, FENWICK & CO
NEWCASTLE.



73
S. H. FLETCHER & CO,
COMPANIA LA FLECHA,
LIVERPOOL.



74
FORENEDE DAMPSKIBS SELSKAB,
COPENHAGEN.



75
FORWOOD, PATON & CO
LIVERPOOL.



76
D. P. GARRUTT,
HULL.



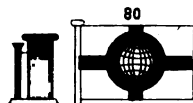
77
GENERAL STEAM NAV. CO
LONDON.



78
GLASGOW, BELFAST
& LIVERPOOL MAIL S.S.
GLASGOW.

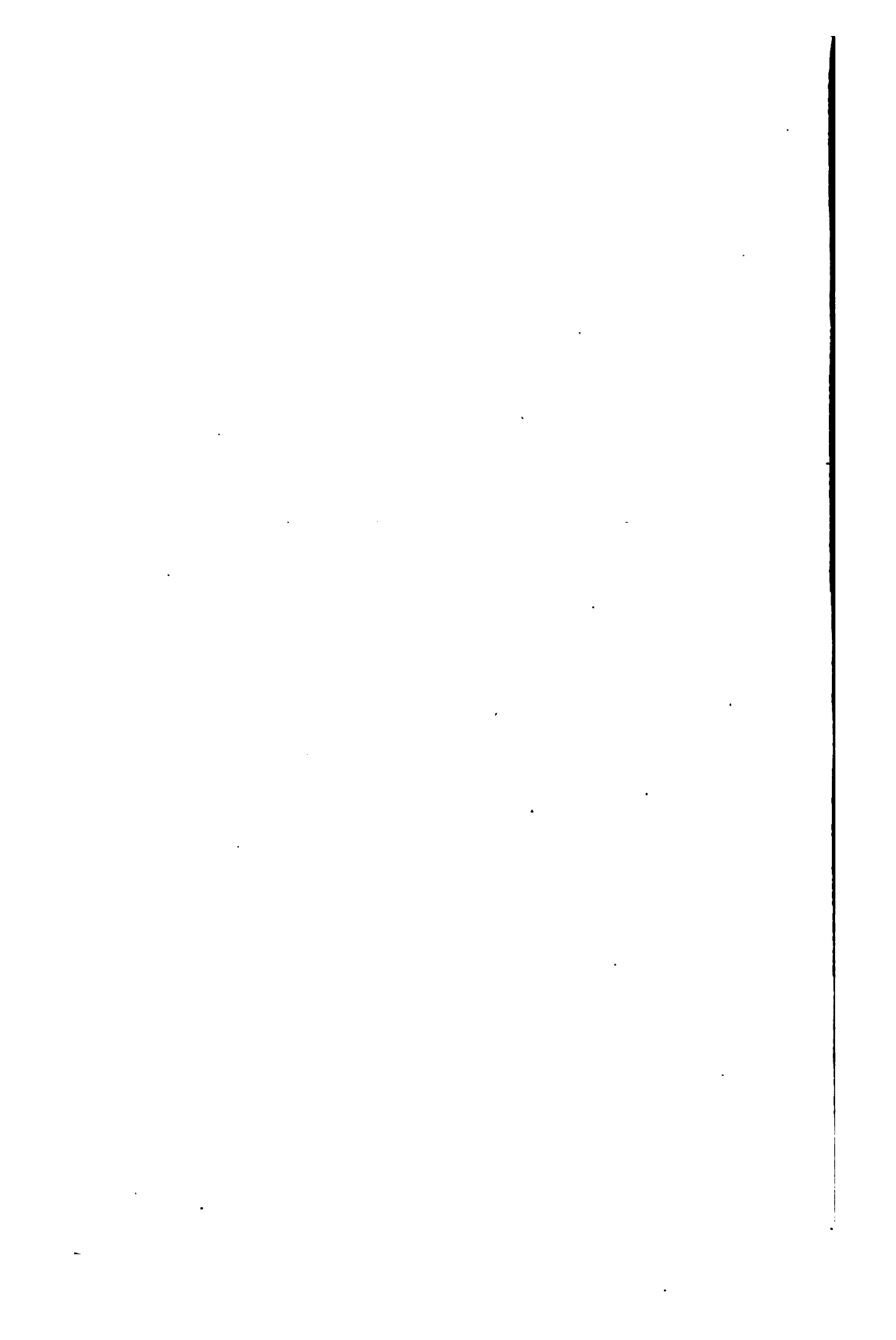


79
GLASGOW & HIGHLANDS S.S.
D. MAC BRATNE
GLASGOW.



80
GLOBE S.S. CO
LONDON.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100



STEAM VESSELS



81
GLOVER BROS.,
LONDON.



82
J. GYNN & SON,
LIVERPOOL.



83
GOOLE & S. CO.,
GOOLE.



84
GOYDON & STAMP,
SUNDERLAND.



85
E. T. GOURLEY & CO.,
SUNDERLAND.



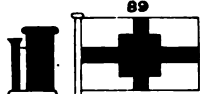
86
W. GRAY & CO.,
W. HARTLEPOOL.



87
GREAT EASTERN RAILY CO.,
LONDON.



88
GREAT WESTERN RAILY CO.,
LONDON.



89
F. GREEN & CO.,
BLACKWALL LINE,
LONDON.



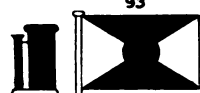
90
GREENOCK & S. CO. LMT
GREENOCK.



91
GROVES, MACLEAN & CO.,
W. HARTLEPOOL.



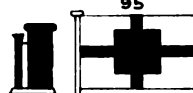
92
GUION LINE,
LIVERPOOL.



93
HALL BROS.,
NEWCASTLE.



94
J. HALL & CO.,
NEWCASTLE.



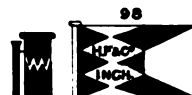
95
JOHN HALL JUN. & CO.,
LONDON.



96
HALL LINE
ALEXANDER & RADCLIFFE



97
HAMBURSH AMERIKAN,
PAGKETFAHRT. ACT. GESEL.
HAMBURGH.



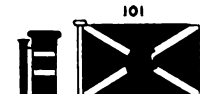
98
HAMILTON FRASER & CO.,
LIVERPOOL.



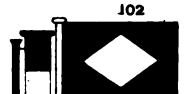
99
HARPER & CO.,
SOUTHAMPTON.



100
HARRIS & DIXON,
LONDON.



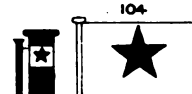
101
T. J. HARRISON,
LIVERPOOL.



102
R. HARROWING.,
WHITBY.



103
P. HERBIND,
W. HARTLEPOOL.



104
C. HILL & SONS,
BRISTOL.



105
HINE BROS.,
MARYPORT.



106
J. HOLMAN & SONS,
LONDON.



107
A. HOLT,
LIVERPOOL.



108
G. HORBLEY,
W. HARTLEPOOL.



109
E. J. HOUGH & CO.,
LONDON.



110
R. M. HUDSON,
SUNDERLAND.



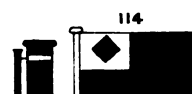
111
T. B. HUDSON,
W. HARTLEPOOL.



112
HUNTING & PATTINSON,
NEWCASTLE.



113
HUNTLEY, BERNER & CO.,
W. HARTLEPOOL.



114
INMAN LINE,
LIVERPOOL.



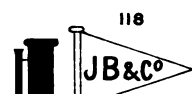
115
IRRAWADDY FLOTILLA CO.,
P. HENDERSON & CO.,
GLASGOW.



116
R. IRVINE & CO.,
W. HARTLEPOOL.



117
ITALIAN LLOYD,
GENOA.



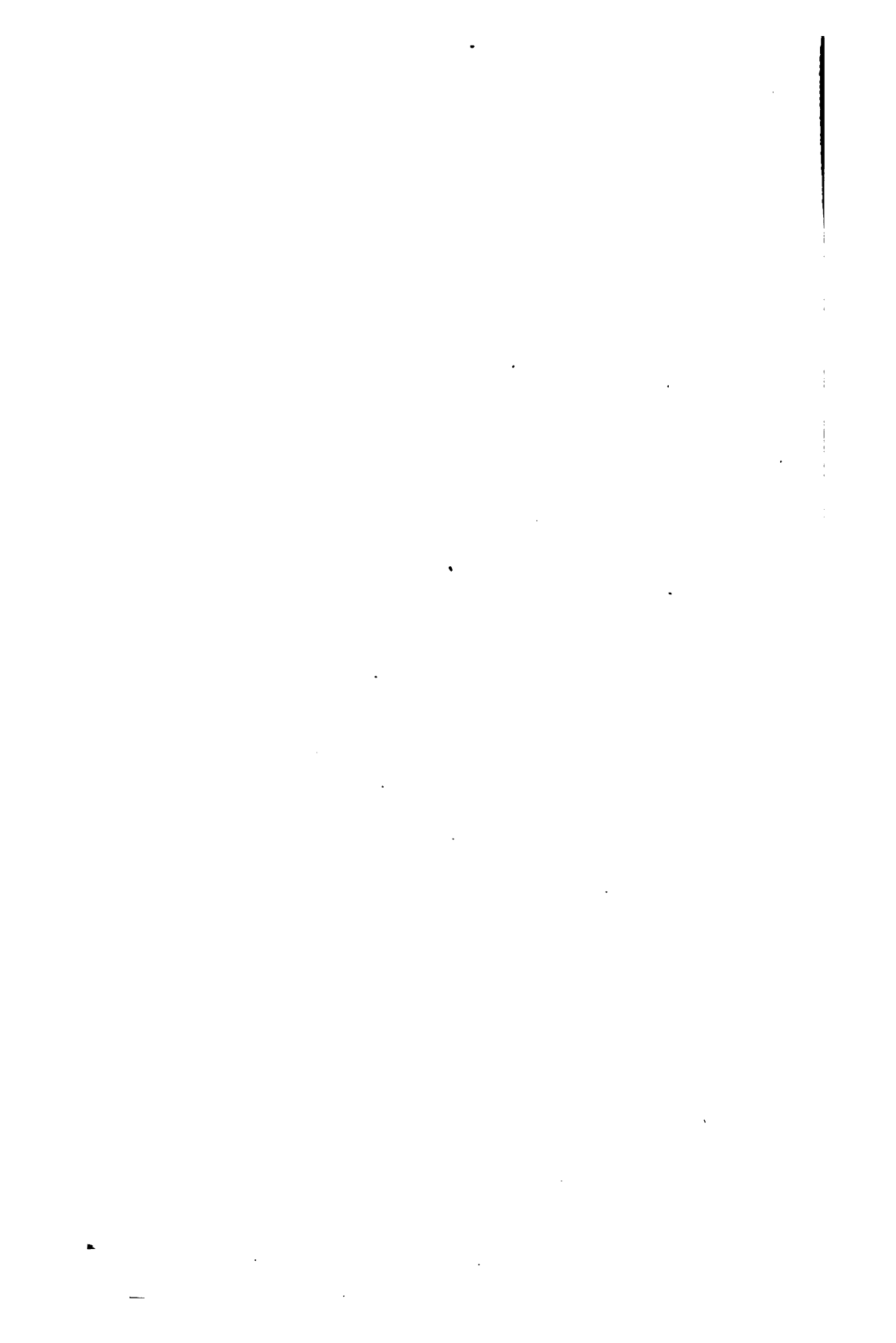
118
JACKSON, BEAUMONT & CO.,
MULL.



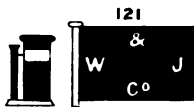
119
JACKSON BROS. & CORY,
LONDON.



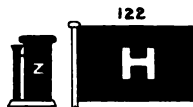
120
D. J. JENNINS & CO.,
LONDON.



STEAM VESSELS



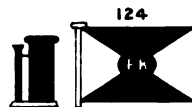
121
W. JOHNSTON & C^o
LIVERPOOL.



122
T. KISH,
SUNDERLAND.



123
KON. NEDERLANDECHE,
STOOMS-MAATS,
AMSTERDAM.



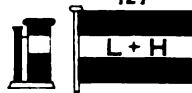
124
FRIED KRUPP,
ESSEN.



125
W. LAING & C^o
LEITH.



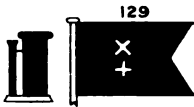
126
A. A. LAIRD & C^o
GLASGOW.



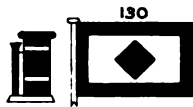
127
LAMPART & HOLT,
LIVERPOOL.



128
M. LANSLADE & SONS,
GLASGOW.



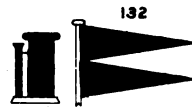
129
LEITH, HULL,
& HAMBURGH S. S. C^o.
LEITH.



130
J. M. LENNARD & SON,
MIDDLESBRO.



131
R. W. LEYLAND & C^o
LIVERPOOL.



132
LIVERPOOL TRADERS
R. GILCHRIST & C^o
LIVERPOOL.



133
C. M. LOFTHOUSE & C^o
HULL.



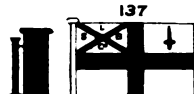
134
LON: BRIGHTON & S. C. RY C^o
LONDON.



135
LON CHATHAM & DOVER RY
LONDON.



136
LON & N. W. RY C^o
LONDON.



137
LONDON STEAM BOAT C^o
LONDON.



138
LUMDEN, BYERS & C^o
SUNDERLAND.



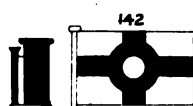
139
M^o GREGOR, GOW & C^o
LONDON.



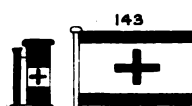
140
M^o INTYRE BROS
NEWCASTLE.



141
MAC LAREN, CRUM & C^o
GLASGOW.



142
GEORGE MARSHALL & SONS,
LONDON.



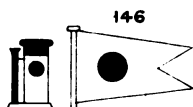
143
T. MARWOOD & SONS,
WHITBY.



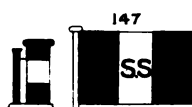
144
MARSEY & SAWYER,
HULL.



145
MERCANTILE S. S. C^o
LONDON.



146
MERCHANTS TRADING C^o
LIVERPOOL.



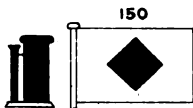
147
MERSEY S. S. C^o
LIVERPOOL.



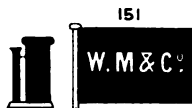
148
MESSAGERIES MARITIMES,
MARSEILLES.



149
MIDDLE DOCK C^o
S. SHIELDS.



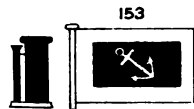
150
MILBURN BROS.
NEWCASTLE.



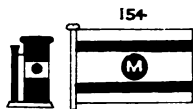
151
W. MILBURN & C^o
LONDON.



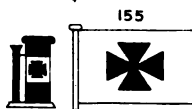
152
MISSISSIPPI & DOMINION S. S. C^o
LIVERPOOL.



153
MORAN & SANDERSON,
HULL.



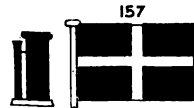
154
MOREL BROS & C^o
CARDIFF.



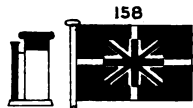
155
J. MORRISON & SON,
N. SHIELDS.



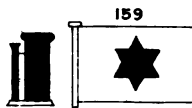
156
MORSE S. S. C^o
LIVERPOOL.



157
R. A. MUDIE & SONS,
DUNDEE.



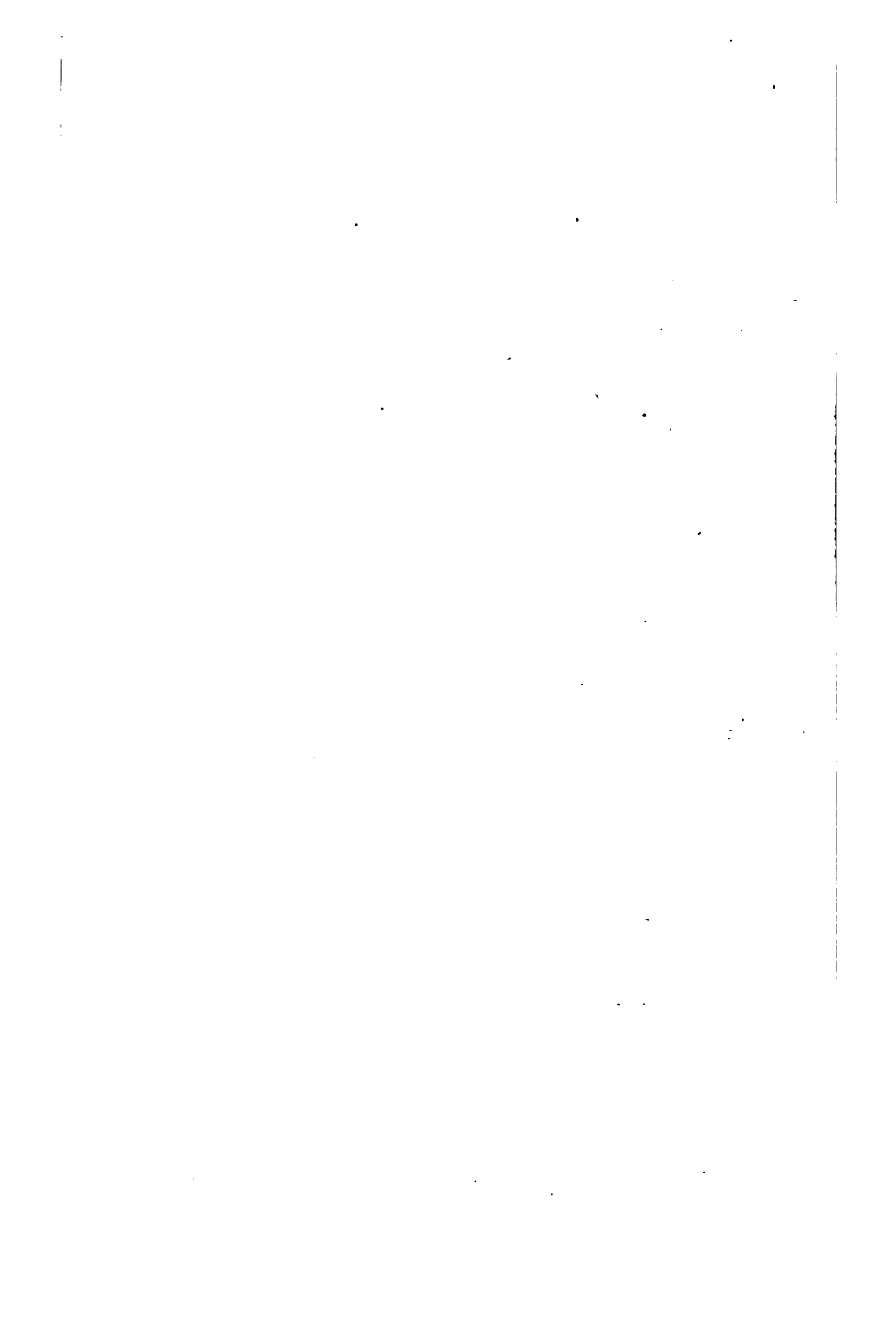
158
NATIONAL LINE,
LIVERPOOL.



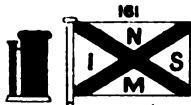
159
NELSON DONKIN & C^o
NEWCASTLE.



160
NETHERLANDE AMER. S. NAV. C^o
ROTTERDAM.



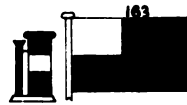
STEAM VESSELS



181
NETHERLANDS INDIA
& NAV. CO.
BATAVIA.



182
NEW YORK, LONDON & CHINA CO.
LONDON.



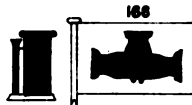
183
R. NICHOLSON & SONS.
LIVERPOOL.



184
HORDDEUTSCHER LLOYD.
BREMER.



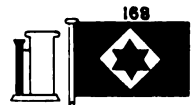
185
C. M. NORWOOD & CO.
LONDON.



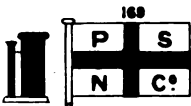
186
OLAND, LARRINAGE & CO.
LIVERPOOL.



187
ORIENT ST. NAUGHTON & CO.
LONDON.



188
PACIFIC MAIL S. & CO.
LONDON.



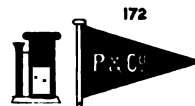
189
PACIFIC STEAM NAV. CO.
LIVERPOOL.



190
PALGRAVE, MURPHY & CO.
DUBLIN.



191
P & O STEAM NAV. CO.
LONDON.



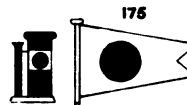
192
PAPAYANNI & CO.
LIVERPOOL.



193
J. PATTON JUV & CO.
ROYAL EXCHANGE SHIPPING CO.
MONARCH LINE.



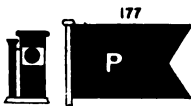
194
R. H. PENNEY.
BRISTON.



195
D. G. PINNEY & SONS.
SUNDERLAND.



196
PORTOUS & SENIER.
LONDON.



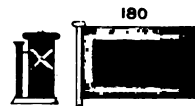
197
PYMAN BELL & CO.
NEWCASTLE.



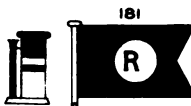
198
G. PYMAN & CO.
W. HARTLEPOOL.



199
PYMAN, WATSON & CO.
CARDIFF.



200
QUEEN S. S. CO.
(STODDART BROS.)
LIVERPOOL.



201
RATHBONE BROS.
(STAR LINE)
LIVERPOOL.



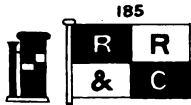
202
RICHARDS, MILLS & CO.
LIVERPOOL.



203
RICHARDS, POWER & CO.
SWANSEA.



204
J. ROBINSON & CO.
N. SHIELDS.



205
R. ROPNER & CO.
W. HARTLEPOOL.



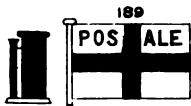
206
W. H. ROSS & CO.
LIVERPOOL.



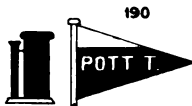
207
ROYAL MAILS, PACKET CO.
LONDON.



208
RANKIN GILMOUR STRANG & CO.
LONDON.



209
RUBATTINO & CO.
GENOA.



210
RUSSIAN S. NAV. CO.
ODESSA.



211
RUF & SONS,
ROTTERDAM.



212
R. SHADFORTH & CO.
SUNDERLAND.



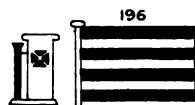
213
SHAW, BUSHBY & CO.
LONDON.



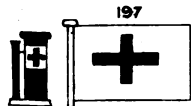
214
SHAW, MAXTON & CO.
LONDON.



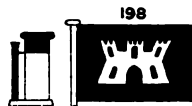
215
THOS. SHOTTON,
N. SHIELDS.



216
ED. SHOTTON & CO.
N. SHIELDS.



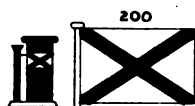
217
R. SINGLEHURST & CO.
LIVERPOOL.



218
T. SKINNER & CO.
GLASGOW.



219
SMITH, HILL & CO.
HULL.

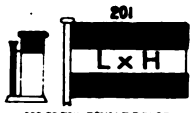


220
T. & W. SMITH,
NEWCASTLE.





STEAM VESSELS



201
SOCIÉTÉ NAV. ROYALE BELGE
SUD AMÉRICAIN.
ANTWERP.



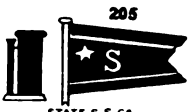
202
S.EASTERN RAILWAY CO.
LONDON.



203
A. SPARTALI & CO.
LONDON.



204
C.E. STALLYBRASS.
CARDIFF.



205
STATE S.S.CO.
GLASGOW.



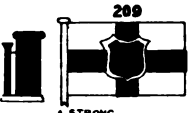
206
STEEL, YOUNG & CO.
LONDON.



207
STEPHENS & MAWSON,
NEWCASTLE.



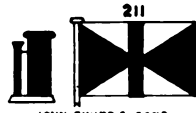
208
STOON MAATS NEDERLAND.
AMSTERDAM.



209
A. STRONG.
NEWCASTLE.



210
STRONG, REID & PAGE.
LIVERPOOL.



211
JOHN SWIRE & SONS.
LONDON.



212
H. TAYLOR & CO.
SUNDERLAND.



213
TAYLOR, CAMERON & CO.
LIVERPOOL.



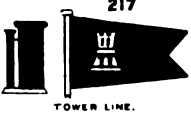
214
TAYLOR & SANDERSON,
SUNDERLAND.



215
TEMPERLEY, CARTER & DARKE.
LONDON.



216
J. TEMPERLEY & CO.
NEWCASTLE.



217
TOWER LINE.
STUMORE, WESTON & CO.
LONDON.



218
(GREGG) TURNBULL & CO.
GLASGOW.



219
T. TURNBULL & SON,
WHITBY.



220
TYNE S.S.CO.
GATESHEAD.



221
ULSTER S.S.CO.
BELFAST.



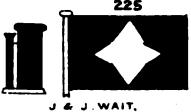
222
UNION S.S.CO.
SOUTHAMPTON.



223
UNION S.S.CO. OF N.Z.
DUNEDIN.



224
UNITED AFRICAN CO. LIM.
LONDON.



225
J. & J. WAIT,
NEWCASTLE.



226
J. WARRACK & CO.
LEITH.



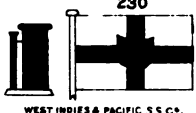
227
O. WARREN & CO.
LIVERPOOL.



228
WATTS, WARD & CO.
LONDON.



229
WEST HARTLEPOOL S. NAV. CO.
WEST HARTLEPOOL.



230
WEST INDIES & PACIFIC S.S. CO.
LIVERPOOL.



231
JAMES WESTOLL,
SUNDERLAND.



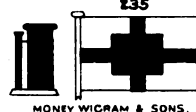
232
WHITE CROSS LINE.



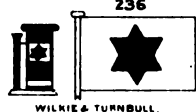
233
WHITE STAR LINE.
(SMAY, IRVIE & CO.)



234
MARK WHITWILL & SON,
GREAT WESTERN S.S. CO. LIM.
BRISTOL.



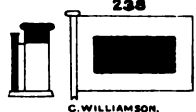
235
MONEY WIGRAM & SONS,
LONDON.



236
WILKIE & TURNBULL,
N. SHIELDS.



237
WILKINSON, WATT & CO.
W. HARTLEPOOL.



238
C. WILLIAMSON.
LEITH.



239
WILSON LINE.
HULL.

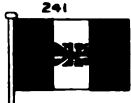


240
CO. YOUNG & CHRISTIES.
CARDIFF.





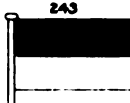
SAILING VESSELS.



241
ALBION SHIPPING CO.
GLASGOW.



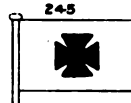
242
ANDERSON, ANDERSON & P.
LONDON.



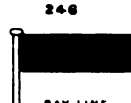
243
BAINE & JOHNSTON,
GREENOCK.



244
BALFOUR, WILLIAMSON & P.
LIVERPOOL.



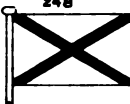
245
E. BATES & SON,
LIVERPOOL.



246
BAY LINE
MATFIELD, CAMERON & P.
GLASGOW.



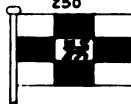
247
BEN LINE.



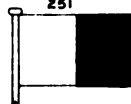
248
C. T. BOWRING & P.
LIVERPOOL.



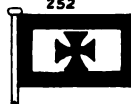
249
BRITISH & EASTERN
SHIPPING CO.
LIVERPOOL.



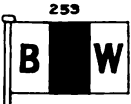
250
BRITISH SHIPOWNERS CO.
LIVERPOOL.



251
T. J. BROOKLEBANK,
LIVERPOOL.



252
W. & A. BROWN & P.
GLASGOW.



253
BROWN & WATSON
GLASGOW.



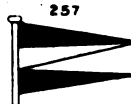
254
SULLARD, KING & P.
LONDON.



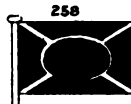
255
J. & S. BULLOCH,
LONDON.



256
BULLOCH'S BAY LINE
J. & S. BULLOCH,
LONDON.



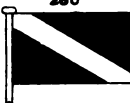
257
C. S. CAIRD
GREENOCK.



258
A. J. H. CARMICHAEL & P.
GREENOCK.



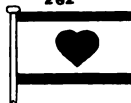
259
MATTHEW GAY,
S. SHIELDS.



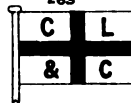
260
J. D. CLINK,
GREENOCK.



261
CLUTHA SHIPPING CO.
J. HARDIE & P.
GLASGOW.



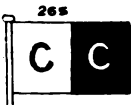
262
J. P. CORRY & P.
SHEFFAST.



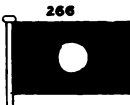
263
COTESWORTH, LYNN & P.
LIVERPOOL.



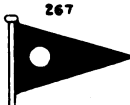
264
R. & J. CRAIG,
GLASGOW.



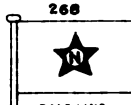
265
W. & J. CRAWFORD,
GREENOCK.



266
CROW, BOGART & P.
LIVERPOOL.



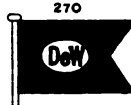
267
R. CUTHBERT & P.
GREENOCK.



268
DALE LINE.
J. D. NEWTON & P.
LIVERPOOL.



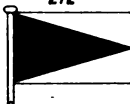
269
T. DANIEL & SONS,
BRISTOL.



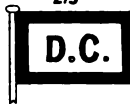
270
J. S. DE WOLF & P.
LIVERPOOL.



271
DEVITT & MOORE,
LONDON.



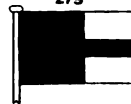
272
W. T. DIXON & SONS
LIVERPOOL.



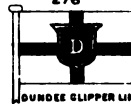
273
ALFRED DOBELL & P.
LIVERPOOL.



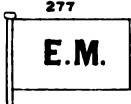
274
DONALDSON BROS
GLASGOW.



275
G. DUNCAN & P.
LONDON.



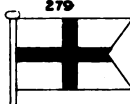
276
DUNDEE CLIPPER LINE.
D. BRUCE & P.
DUNDEE.



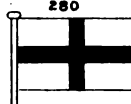
277
EDMISTON & MITCHELL,
GLASGOW.



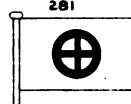
278
ELDER LINE.
TRINDER, ANDERSON & P.
LONDON.



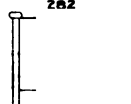
279
H. ELLIS & SON,
LONDON.



280
J. EWING & P.
GLASGOW.



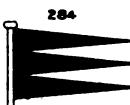
281
FARNWORTH & JARDINE,
LIVERPOOL.



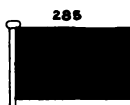
282
H. FERNIE & SONS,
LIVERPOOL.



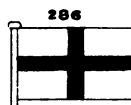
283
FISHER & SPOTT,
LONDON.



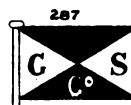
284
FOLEY, AIKMAN & P.
LONDON.



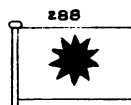
285
E. G. FRIEND & P.
LIVERPOOL.



286
GELLATLY, HANKEY,
SEWELL & P.
LONDON.



287
GENERAL SHIPPING CO.
GLASGOW.



288
GILLISON & CHADWICK,
LIVERPOOL.



289
GLASGOW SHIPPING CO.
GLASGOW.



290
GOODYEAR & P.
LIVERPOOL.



291
S. R. GRAVES & SON,
LIVERPOOL.



292
HALL BROS.
NEWCASTLE.



293
T. HANKEY & P.
LONDON.



294
HARGROVE & HELLON,
LIVERPOOL.



295
T. HARRISON & P.
LIVERPOOL.



296
J. HEAP & SONS,
LIVERPOOL.



297
JOHN HERRON,
LIVERPOOL.



298
HOPE BROS
LIVERPOOL.



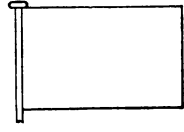
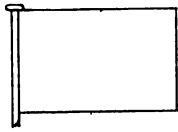
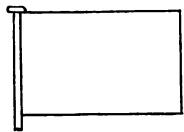
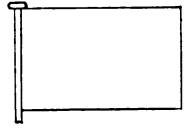
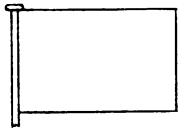
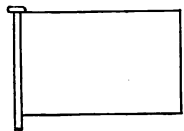
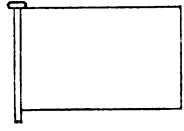
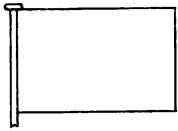
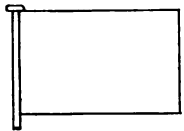
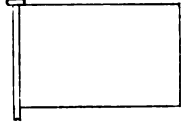
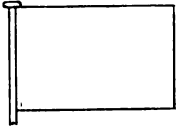
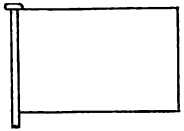
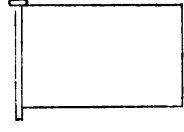
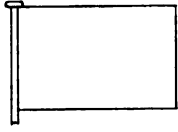
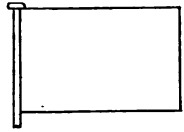
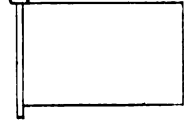
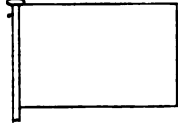
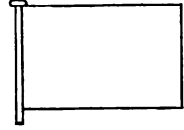
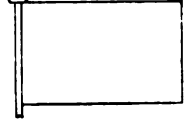
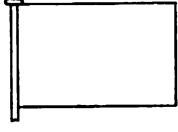
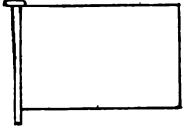
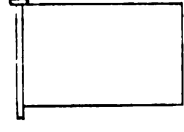
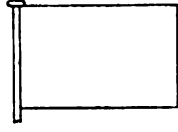
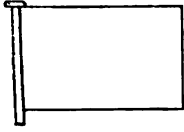
299
P. IREDALE & SON,
LIVERPOOL.



300
ISMAY, IMRIE & P.
LIVERPOOL.

Vertical line on the left side of the page.

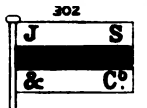
SAILING VESSELS.



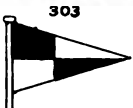
SAILING VESSELS.



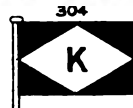
301
J. JACOBS & CO
LONDON.



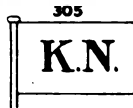
302
JOHNSTON, SPROULE & CO.
LIVERPOOL.



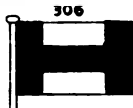
303
G. W. KELLOCK & CO
LIVERPOOL.



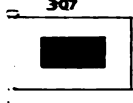
304
J. KERR & CO
GLASGOW.



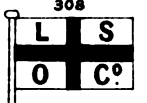
305
HERR, NEWTON & CO.
GLASGOW.



306
HULLICH, MARTIN & CO.
LONDON.



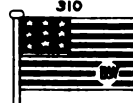
307
R. W. KING
BRISTOL.



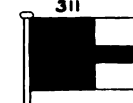
308
LANCASTER SHIPOWNERS CO
LIVERPOOL.



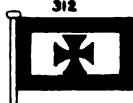
309
T. LAW & CO.
GLASGOW.



310
LEADERHALL LINE.
LONDON.



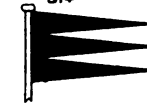
311
J. LIDGETT & BONS.
LONDON.



312
LONDON, EDGAR & CO.
LIVERPOOL.



313
A. LYLE & BONS
GLASGOW.



314
W. MC CORKELL & CO
LONDON DERRY.



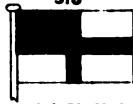
315
MR DIARMID GREENSHIELDS & CO
LIVERPOOL.



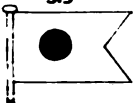
316
MR MILNATH, MYSADHAN & CO
LONDON.



317
MR EDWARDS, FREW & CO
LIVERPOOL.



318
MERCHANT SHIPPING CO
LONDON.



319
MERCHANT TRADING CO.
LIVERPOOL.



320
W. MILLMAN & BONS
GATEHEAD.



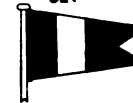
321
MONTGOMERY & WORKMAN,
LONDON.



322
NELSON & CO.
LIVERPOOL.



323
NEW ZEALAND SHIPPING CO
LONDON.



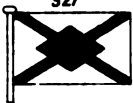
324
W. NICOL & CO
LIVERPOOL.



325
R. NICHOLSON & BONS.
LIVERPOOL.



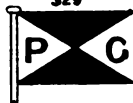
326
NICHOLSON & MYGILL,
LIVERPOOL.



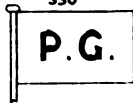
327
J. NOURSE,
LONDON.



328
ORIGINAL CLAN LINE,
T. DUNLOP,
GLASGOW.



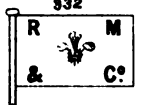
329
PHILLIPS & BOWES,
LONDON.



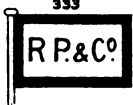
330
RAHIN, OLMOUR & CO.
LIVERPOOL.



331
J. T. RICHARDSON,
LONDON.



332
RICHARDS, HILLS & CO
LIVERPOOL.



333
RICHARDS, POWER & CO.
SWANSEA.



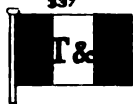
334
W. ROME,
LIVERPOOL.



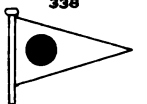
335
J. SA. ROUBURGH,
GLASGOW.



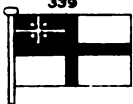
336
T. ROYDEN & BONS.
LIVERPOOL.



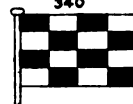
337
SANDBACH, THINE & CO
LIVERPOOL.



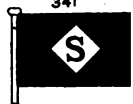
338
SHALLCROSS & HIGHAM,
LIVERPOOL.



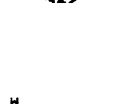
339
SHAW SAVILL & CO.
LONDON.



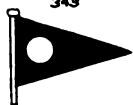
340
J. SHEPHERD & CO.
LONDON.



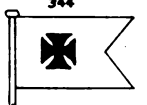
341
W. SINCLAIR & CO.
LIVERPOOL.



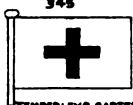
342
G. SMITH & BONS.
GLASGOW.



343
J. STREL & SON,
LIVERPOOL.



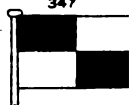
344
SWINBA MERCHANTS,
SHIPOWNERS CO LIMI.



345
TEMPERLEY, CARTER
& DARKE,
LONDON.



346
THOMSON, DICKE & CO.
GLASGOW.



347
W. THOMSON,
DUNDEE.



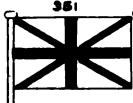
348
H. THOMPSON & BONS.
GLASGOW.



349
THOMPSON ANDERSON & CO
LIVERPOOL.



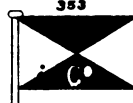
350
G. THOMPSON & CO.
LONDON.



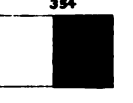
351
G. TYBER & CO.
LONDON.



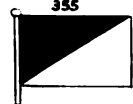
352
J. B. WALKLEY & CO.
LIVERPOOL.



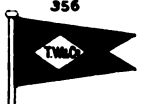
353
S. WAKEHAM & SON
LIVERPOOL & W. PARASOLINE



354
D. WITJEN & CO.
BREMEN.



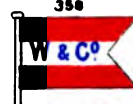
355
WITSON BROS.,
GLASGOW.



356
T. WILLIAMS & CO.
LIVERPOOL.



357
WILLIAMSON
MILLIGAN & CO
LIVERPOOL.



358
J. WILLIS & CO
LONDON.



359
J. & R. WILSON,
GLASGOW.



360
W. & R. WILSON,
LIVERPOOL.



For Printed Forms, such as "Clothes Lists," &c., see page 10.
For General Naval Professional Books see page 13.

NAVAL PUBLICATIONS OF
GRIFFIN & CO.,
BOOKSELLERS & PUBLISHERS,

(By Appointment, to H.R.H. The Duke of Edinburgh).

2, THE HARD, PORTSMOUTH.

LONDON AGENTS:—Simpkin Marshall and Co.

New Edition, 1882. Revised and greatly Enlarged.

SIR GEORGE S. NARES' SEAMANSHIP
8th Edition. Demy 8vo. . 21s.

420 beautifully engraved Woodcuts, and Plates of National and Signal Flags, also of Lights and Fog Signals, accurately Coloured.

'It is the best work on Seamanship we have.'—Standard.

'Every necessary particular is given so fully and completely as to leave nothing to be desired.'—Shipping Gazette.

HARBOR'S GLOSSARY OF NAVIGATION

With Diagrams and Illustrations, bound in leather, price 7s. 6d.

A Vade Mecum for practical Navigators of the Royal Navy, Mercantile Marine and Yacht Squadrons; containing explanations of the technical terms used in Nautical Geography, Meteorology, and Astronomy; hints to young officers for systematic study; and information not generally accessible when wanted.

HINTS ON BOAT SAILING AND RACING.

By Captain C. C. P. FITZGERALD, R.N.

Foolscap 8vo. Illustrated. Price 2s. 6d.

*"It is written in thorough sailor-like fashion, and is evidently the result of many years' experience. It is full of useful hints and practical advice as to sailing, trim, ballasting, steering and rig."*Hampshire Telegraph.

FLAGS—NATIONAL AND MERCANTILE.

Containing

360 HOUSE FLAGS and FUNNELS.

Beautifully Printed in Colours. Demy 8vo. Bound in Cloth.

Price 7s. 6d.

THE SAILOR'S POCKET BOOK

3rd Edition. 7s. 6d.

By Captain F. G. D. BEDFORD, R.N. A Collection of Practical Rules, Notes, and Tables, for the use of the Royal Navy, the Mercantile Marine, and Yacht Squadrons. With Colored Signal Flags, Charts, and Illustrations. Bound in leather, 500 pages, and carefully compiled Index.

"A Nautical Cyclopædia."—*Liverpool Albion.*

"The most perfect and complete of any publication of the kind."—*U.S. Gazette*

"A valuable addition to a yachtsman's library."—*Land and Water.*

"Valuable and excellently arranged little work."—*Pall Mall Gazette.*

"An admirable and much wanted little book."—*Edinburgh Review*

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

THE SHIPS OF THE ROYAL NAVY

Vol. 1. Price 30s.

Contents: Portraits of H. M. Ships 'Hercules,' 'Trafalgar,' 'Captain,' 'Duke of Wellington,' 'Royal Alfred,' 'Monarch,' 'Minotaur,' 'Royal Yacht 'Victoria and Albert,' 'Victory,' 'Northumberland,' 'Troopship 'Crocodile,' 'Warrior,' 'Sultan,' 'Inconstant,' 'Bellerophon,' 'Defence,' 'Narcissus,' 'Volage,' 'Iron Duke,' 'Hotspur,' 'Glatton,' 'Enterprise,' and Gun-Boat 'Comet.'

Beautifully Lithographed in Colours from Original Drawings, by W. F. Mitchell, Esq. Demy 4to., blue cloth, extra gilt, 30s.; Best Morocco, £3 3s.; Russia, £3 13s. 6d.

'This beautiful work does credit to all concerned in its production.'—*Pall Mall Gazette*.

THE SHIPS OF THE ROYAL NAVY

New Volume. (Vol. 2.) Price 30s.

Contents: Portraits of H. M. Ships 'Inflexible,' 'Alexandra,' 'Temeraire,' 'Dreadnought,' 'Neptune,' 'Shannon,' 'Iris,' 'Shah,' 'Raleigh,' 'Boadicea,' 'Bacchante,' 'Active,' 'Comus,' 'Diamond,' 'Turquoise,' 'Wild Swan,' 'Falcon,' 'Hecla' and Torpedo Boat, 'Medina,' 'Himalaya,' 'Orontes,' 'Challenger,' 'Cruiser,' 'Discovery,' and 'Excellent.'

Beautifully Lithographed in Colours from Original Drawings, by W. F. Mitchell, Esq. Demy 4to., blue cloth, extra gilt, 30s.; Best Morocco, £3 3s. Russia, £3 13s. 6d.

'Among illustrated works, none has appeared of greater interest than this upon the Royal Navy.'—*Times*.

THE SHIPS OF THE ROYAL NAVY

Vols. 1 and 2 bound together, complete; containing 50 Portraits of Ships, and a History of the Royal Navy. Bound in Blue Cloth, 60s.; Morocco, £5 5s.; Russia, £5 15s. 6d.

CAPTAIN ALSTON'S "SEAMANSHIP"

2nd Edition. Crown 8vo. Cloth, 12s. 6d.

Contains 200 Illustrations of Rigging, Sails, Masts, &c.; with Instructions for Officers of the Merchant Service, by W. H. ROSSER; forming a complete Manual of Practical Seamanship.

'The illustrations, of which there are 200, are well executed, and the reviser has brought down to the present day all changes in the rig and kind of ships of war.'—*Shipping Gazette*.

It has been revised and enlarged by Commander R. H. Harris, R.N., and includes a treatise on nautical surveying by Staff-Commander May, and also some useful instructions for officers of the merchant service. The book seems well adapted for junior officers of the navy, and the sound advice and high moral tone of its introduction give it an additional recommendation. —*Liverpool Mercury*

THE RIGGER'S GUIDE.

10th Thousand. New Edition.

Revised and enlarged. Cloth, 3s.

By CHARLES BUSHELL. Fully Illustrated. Being the best and only complete book on the Rigging of Ships.

"This is a valuable little book, adapted to suit every class of ship, whether steam or sailing vessel, and should form part of the kit of every youngster adopting the profession of the sea. Many oldsters will also find it valuable, from the general information it contains. The present is the sixth edition, which has been carefully revised and corrected."—*U. S. Gazette*.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

**TORPEDOES AND TORPEDO WARFARE:
Offensive and Defensive.**

Being a Complete History of Torpedoes and their application to Modern Warfare. By Lieutenant C. SLEEMAN, R.N., and late Commander Imperial Ottoman Navy. 1 vol., Royal 8vo., with Illustrations and Plates, 2nd Edition. Price 24s.

THE GUN, RAM, AND TORPEDO.

Manceuvres and Tactics of a Naval Battle of the present day.

By Commander GERARD H. U. NOEL, R. N.

Crown 8vo. With full page Illustrations, Price 8s. 6d.

"For an essay on so large a subject we have seldom met with one more complete . . . thoughtful, and altogether excellent."—*Naval Science*.

THE DUEL: A NAVAL WAR GAME.

Invented and arranged by CAPT. PHILIP H. COLOMB, R.N., with Explanations and Rules of the Game, and the necessary Scales, and large Drawing Block. Price 10s. 6d.

"Captain Colomb's War Game will prove very useful to all Executive Officers. It will become the Naval Chess."—*Admiral A. P. Ryder*.

"I think it will prove of much advantage to the Service. It will open the eyes of many men who have hitherto thought and talked of the subject perhaps intelligently, but not accurately."—*Adl. Sir A. Cooper-Key, K.C.B.*

PROBLEMS IN NAVAL TACTICS.

By VICE-ADMIRAL RANDOLPH, C.B. With four Full-Page Diagrams. Demy 8vo. 2s.

**REMARKS ON THE MANŒUVRES
OF TWO VESSELS IN ACTION.**

By Lieut. G. R. BETHELL, R.N. Demy 8vo. With Diagrams. Price Two Shillings.

**A new Edition of Captain Arthur's
ACTIVE LIST OF FLAG OFFICERS AND
CAPTAINS OF THE ROYAL NAVY.**

With particulars, shewing their progress and services to the 1st January, 1883. Price, 3s. 6d.

THE WAR SHIPS OF EUROPE

Crown 8vo. Illustrated. 10s. 6d. 1st Edition.

By Chief-Engineer KING, U.S.A. Descriptions of the Construction, Armour and Fighting Power of the Ironclads of England and other European Powers of the present day. Revised and Corrected throughout, with additional Notes by an English Naval Architect.

4

DEFINITIONS IN NAVIGATION AND NAUTICAL ASTRONOMY

(FROM VARIOUS AUTHORITIES.)

New Edition. With Diagrams. Demy 8vo. Cloth, 2s. 6d.
For the use of the Naval Cadets, H.M.S. "Britannia."

NAUTICAL SURVEYING.

By Commander MAY, R.N., F.R.G.S.

Reprinted from "Alston's Seamanship." With Charts. 2s. 6d.

"The treatise is simple and clear in arrangement, and written with the especial object of instructing the officers of the Naval Service in general, and only deals with the use of such instruments as are found on board of every man-of-war. We have never met with any treatise on nautical surveying by any means so well calculated to answer the purpose for which it was written."—*Naval Science.*

JOURNAL AND REMARK BOOK.

For use of Officers of the Royal Navy.

One Year, 5s.6d ; Two Years, 7s.6d. ; Three Years, 9s.6d.

JOURNAL BOOK AND DIARY

For the use of the Officers of the Royal Navy. After the Style and Size of Letts's Diary. Containing Two Days on a page, with ruled paper, and a Printed Journal Form to each Day, for recording Course and Distance, Wind and Weather, Barometer and Thermometer, Latitude and Longitude, &c.

Prices, strongly bound :—

One year, 4s. 6d. ; 2 years, 6s. 6d. ; 3 years, 8s. 6d. ;

One year (interleaved) 5s. 6d. ; 2 years (interleaved) 8s. 6d.

"We would direct the attention of Naval officers to a very complete Naval Diary, which has just been compiled and published. It has only to be shown to be appreciated."—*U.S. Gazette.*

THE ARMIES OF EUROPE AND ASIA

Demy 8vo. Illustrated. 14s.

By Major-General UPTON, U.S.A. Embracing Official Reports on the Armies of Japan, China, India, Persia, Italy, Russia, Austria, Germany, France, and England. Accompanied by Letters descriptive of a Journey from Japan to the Caucasus.

SEA TERMS AND PHRASES.

ENGLISH AND FRENCH. By Lieut. E. PORNAIN, French Navy. For the use of Officers of Royal and Mercantile Navies, Engineers, Shipbuilders, Ship Owners, Merchants, Ship Brokers.

Crown 8vo. 2nd Edition. Price 4s.

"A copy should be possessed by everyone whose profession, occupation, or interests bring them into relationship with a seafaring life."—*British Mercantile Review.*

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

VOCABULARY OF SEA WORDS.

In ENGLISH, FRENCH, GERMAN, SPANISH, and ITALIAN. By Commander THE HON. A. C. LITTLETON, R.N. For the use of Officers of the Royal and Mercantile Navies, Yachtsmen, Travellers, &c. Strongly bound and interleaved throughout.

Price 3s. 6d.

"In addition to the English terms used in connection with the Sea, we have the same in French, German, Spanish and Italian. . . . Not merely to the seafaring man, but also to the ordinary traveller, this book recommends itself."—*U.S. Gazette*.

"It is handy in size and complete in all respects, provision having been made by blank leaves between each page for any additions that may have to be made."—*Broad Arrow*.

OUR PERIL AFLOAT; OR COLLISIONS AND HOW TO AVOID THEM

With Illustrations. 1s.

By Captain P. H. COLOMB, R.N. (Gold Medalist, Royal U.S. Institution.) CONTENTS: Part I. The Rule of the Road at Sea: its history and present condition; Part II. The Theory and Practice of avoiding Collision at Sea; and the Regulations issued by Order in Council.

A SEAMAN'S LIFE ON BOARD A MAN-OF-WAR

Crown 8vo. Price 6d.

THE HISTORY OF H.M.S. "VICTORY."

1s. cloth; paper, 6d.

25th Thousand. By Commander W. J. L. WHARTON, R.N.

A most interesting Memoir of the famous ship in which Nelson won his crowning triumph and death.

THE ACTIVE LIST

Of all COMMANDERS and LIEUTENANTS:

Corrected to July 1st, 1878.

By Lieut. M. R. HAYES, R.N. Demy 8vo. 3s. 6d.

Showing Dates of Entry, and Commissions, AGES, AND AMOUNT OF SEA TIME, Causes of Special Promotions, Special Acquirements, Comparative Progress with other Officers, List of all Officers now on the Active List who were promoted to the rank of Commander from Flag-Lieut. or Her Majesty's Yacht, the Age and Sea Time of Commanders, and other interesting particulars.

Griffin & Co., Publishers, 2, The Hard, Portsmouth

ON THE RELATIVE MERITS OF
SIMPLE AND COMPOUND ENGINES.

By NIEL MACDOUGALL, Esq. With numerous Diagrams and Illustrations. Price 4s. 6d.

"The Book will prove instructive and interesting to all engaged in Marine Engineering pursuits, and the Engineer Officers of the Royal Navy in particular are heartily recommended it."—*Broad Arrow*.

"Mr. Macdougall has treated this much-debated and highly-important question of the Relative Merits of Simple and Compound Engines in a vigorous, practical, and highly creditable manner."—*Naval Science*.

THE MANUAL OF THE HYDROMETER.

2nd Edition. Illustrated. Cloth. 3s. 6d.

By LIONEL SWIFT, R.N.

Will be found of considerable interest to Engineers and all those who are interested in the safe and economical working of Steam Engines."—*Shipping and Mercantile Gazette*.

TABLE FOR CORRECTION OF LONGITUDE

WHERE ERROR ARISES FROM INCORRECT LATITUDE.

2nd Edition. 1s.

By GILBERT T. KEY, Commander, R.N.

TRAVERSE TABLES

With simple and brief method of Correcting Compass Courses. By Commander R. E. EDWIN, R.N. Cloth, 5s. 6d.

"Lieutenant Edwin has been at great pains and trouble, and he will probably save many hundreds of persons from calculations which are frequently 'wearisome to the flesh.'"—*Broad Arrow*.

LAND OF THE WHITE BEAR.

The Cruise of the "Pandora," to the Arctic Seas in 1875.

By LIEUT. F. G. INNES-LILLINGSTON, R.N.

With beautiful full-page Illustrations. Cloth Gilt, 5s.

"The volume is prettily got up, and the views of Arctic scenery are about the best we have seen in any recent work of the kind."—*Athenaeum*.

"Thanks to English pluck and perseverance, combined, in so many instances, with the ability to write a book, we have become as familiar with Arctic-life scenes and adventures as they can be made so by description. In the present well-got-up little volume, we have an account of the first voyage of the *Pandora*. . . . We can heartily recommend Lieut. Innes-Lillingston's narrative. . . . As a gift book, we can also recommend the *Land of the White Bear*, for it is exceedingly well illustrated, and both in letter-press and binding is in the Messrs. Griffin's usually good style."—*U.S. Gazette*.

SEARCH FOR SIR JOHN FRANKLIN.

Price 1s. Illustrated.

From the Journal of Capt. Sir ALLEN YOUNG, K.C.B.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

THE WEST COAST OF AFRICA

AS SEEN FROM THE DECK OF A MAN-OF-WAR.

Illustrated. Demy 8vo., Cloth. 7s. 6d.

By Commander H. DYER, R.N.

"We think the friends of the late Commander Dyer have done well in publishing this little volume as a memorial to one whom they loved, both as a genial companion and an officer.

"That large class of readers which takes pleasure in perusing books of travel cannot do better than read this well-printed volume."—*Broad Arrow*.

LAST FOUR DAYS OF H.M.S. "EURYDICE."

By Captain E. H. VERNEY, R.N.

With Portrait of the "Eurydice." Cloth. 2s. 6d.

"Capt. Verney has done his work remarkably well, and with the best possible taste. He does not moralize or try to improve the occasion, but, writing with a restrained pathos and a graphic touch, he lets the stern simple facts speak for themselves."—*Athenaeum*.

MEMOIR OF

COMMODORE J. G. GOODENOUGH, C.B.

BY CLEMENTS R. MARKHAM, C.B., F.R.S.

WITH PORTRAIT. Crown 8vo., Cloth. 2s. 6d.

"A complete account of a singularly beautiful career."—*Broad Arrow*.

"A touching memento of the gallant sailor."—*Court Journal*.

MANUAL OF GUNNERY (DRILL BOOK)

Corrected to 1882. Price 1s.

Instructional Pamphlet on COMPANY DRILL FOR THE ROYAL NAVY.

By Lieutenant F. E. Poulter, R.N. Price 4d.

By Authority of the Lords of the Admiralty.

QUESTIONS & ANSWERS ON THE AMMUNITION INSTRUCTION.

For Officers passing through H.M. Gunnery Establishments.

By J. KITE, Instructing Gunner, H.M.S. "Excellent."

New, Revised, and Enlarged Edition. Price 2s.

By Authority.

COURSE OF INSTRUCTION IN GUNNERY SHIPS FOR OFFICERS AND MEN.

Demy 8vo. 3d.

Griffin & Co., Publishers, 2, The Hard, Portsmouth

**ROYAL NAVAL ARTILLERY VOLUNTEERS
GUNNERY DRILL BOOK.**

Copiously illustrated with Diagrams. 1s. 6d.

**TEXT BOOK ON THE CONSTRUCTION AND
MANUFACTURE OF ORDNANCE.**

Printed by Order of the Secretary of State for War. Second Edition.
Coloured Illustrations. Cloth Boards. 1879.
Abridged Edition. 9s.

Handbook of the Manufacture and Proof of Gunpowder.

By Capt. F. M. SMITH, Royal Artillery. 8vo., cloth boards.
With Plate and Diagrams. 5s.

**Text Book on
THE THEORY OF THE MOTION OF PROJECTILES;
the History, Manufacture, and Explosive Force of
Gunpowder; and the History of Small Arms.**

Published by Authority. With Diagrams. Cloth Boards.
2s. ; interleaved, 2s. 6d.

**THE PILOT'S HANDBOOK FOR THE ENGLISH
CHANNEL.**

7th Edition. 7s.

Illustrated with 17 plates. By Staff-Commander KING, R.N.

**ENGINEER OFFICER'S
WATCH, STATION, QUARTER, & FIRE BILLS.**

By WILLIAM J. J. SPRY, R.N. 3s. 6d.
A complete *vade mecum* for Engineer Officers in Her Majesty's Navy.

WATCH, STATION, QUARTER, AND FIRE BILL.

New Admiralty Form, No. 1, 5s. No. 2, 2s. 6d.

**RIFLE AND FIELD EXERCISES AND MUSKETRY
INSTRUCTION FOR HER MAJESTY'S FLEET,**

1s. 6d.

**MANUAL AND FIRING EXERCISES FOR THE
MARTINI-HENRY RIFLE.**

For the use of the Navy. By Authority. Threepence.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

**QUEEN'S REGULATIONS AND ADMIRALTY
INSTRUCTIONS—*New Edition*, 1879. 2s. 6d.
Addenda to May, 1880. 6d.**

MODERN NAVAL HYGIENE.

Translated from the French by JOHN BUCKLEY, Esq.,
Staff-Surgeon, R.N. Cloth. 2s.

FIELD EXERCISE FOR THE ARMY. 1s.

**RIFLE EXERCISE AND MUSKETRY INSTRUCTION
FOR ROYAL NAVY, 1s.**

TREATISE ON AMMUNITION—6s.

NOTES ON AMMUNITION.

Published by Authority. Corrected to July, 1877. With Diagrams.
cloth boards, 2s. 6d.

MANUAL OF FIELD FORTIFICATION—3s.

BATTALION WORDS OF COMMAND—3d.

THE SAPPERS' MAUNAL—Part 1.—2.

**THE ADMIRALTY MANUAL OF SCIENTIFIC
ENQUIRY. 4th Edition. 3s. 3d.**

CERTIFICATE CASES. Half Roan, 2s. 6d.

SEAMEN'S PRAYERS

For the use of the Royal Navy; and also Merchant Service.

90th THOUSAND; on Card, 2s. per 100. Per post, 2s. 6d.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

SEAMANSHIP PROGRESS BOOK,

To include Executive Subordinate Officers,
WITH FORM OF QUARTERLY RETURN OF NEW RATES
AND QUARTERLY JOURNAL OF INSTRUCTION.

Price 12s. 6d.

WATCH BILL ALTERATION BOOK.

Price 10s. 6d.

MIDSHIPMAN'S LEAVE BOOK.

Price 10s. 6d.

GANGWAY BOOK

FOR WINES, SPIRITS AND MALT LIQUORS. 7s. 6d.

NAME AND RATING CARDS, 3s. per 100.

COURSE AND DISTANCE FORMS. 2s. per 100.

PROGRESS BOOK

FOR THE USE OF NAVAL INSTRUCTORS.

10s. 6d.

CLOTHES LIST—New Pattern. 4s. 6d. and 7s. 6d.

CLOTHES AND SLOP LIST—Old Pattern 5s. and 8s. 6d.

CHRONOMETER JOURNAL.—With Diagrams. 12s. 6d.

LOG BOOKS (RULED FORM).

Best Paper. Two quires, 8s. 6d. Three quires, 10s. 6d.

NOSOLOGICAL JOURNAL.—9s.

NIGHT ORDER BOOK.—5s. 6d.

WASHING BOOK FOR NAVAL OFFICERS.—6d.

MESS WINE BOOKS

With Cash Book and Ledger, complete in One Volume.
For 24 Members, 15s. ; For 12 Members, 12s. 6d.

ROUGH DAILY WINE BOOK, 8s. 6d.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

SAILOR'S WORD BOOK

A Nautical and Military Vocabulary.

By Admiral SMYTH. Thick 8vo., cloth. Published at 21s.
Reduced to 12s. 6d.

SHIPS' CRESTS

Stamped in Colors.

40 Crests on each sheet, 6 different sheets, One Shilling each

ALSO,

Illuminated Ships' Crests,

9 on each sheet, 10 different Sheets. One Shilling each.

A complete set, consisting of 200 Crests, in *Colors*, and 90 *Illuminated* in Gold and Colors, costs 15s.

NEW PUBLICATIONS AND NEW EDITIONS IN THE PRESS.

A Second Volume of the SAILOR'S POCKET BOOK,

By CAPTAIN F. G. D. BEDFORD, R.N., Royal
Naval College, Greenwich. Price, 7s. 6d.

A BOOK OF FLAGS.

Containing all the national and international flags, also the House Flags and Funnels of the principal English and Foreign Merchant Companies. Demy 8vo. Printed in Colours.

RULE OF THE ROAD AT SEA,

Revised Edition.

By VICE-ADMIRAL ALGERNON DE HORSEY.

Being Remarks and Suggestions relative to the Regulations for Preventing Collisions at Sea and Practical Directions for their observance.

CAPTAIN SIR GEORGE S. NARES' SEAMANSHIP

Translated into Italian.

CAPTAIN SIR GEORGE S. NARES' SEAMANSHIP

Translated into French

CAPTAIN COLOMB'S NAVAL TACTICS

In Preparation.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

THE FOLLOWING
New and Important Naval Professional Works
 ARE SOLD BY MESSRS. GRIFFIN & CO.

THE BRITISH NAVY:

Its Strength, Resources & Administration.

By SIR THOMAS BRASSEY, K.C.B., M.P.

Vol. 1, part 1 Price 10s. 6d.

Vol. 2, part 2 „ 3s. 6d.

Vol. 3, part 3 „ 3s. 6d.

In these three volumes will be found all the most recent information concerning structure of the different types of vessels; also tabulated statement of the respective strength of British and Foreign Navies, and all details of Armament, Torpedoes, Torpedo Vessels and other cognate subjects.

HYDROGRAPHICAL SURVEYING:

A description of the Means and Methods employed
 in constructing Marine Charts.

By CAPTAIN W. J. L. WHARTON, R.N.

Demy 8vo., with Diagrams and Tables. Price 15s.

OUTLINES OF NAVAL HYGIENE.

By JOHN D. MACDONALD, F.R.S.

*Inspector-General, R.N., Professor of Naval Hygiene, Royal
 Naval School, Netley.*

Crown 8vo. Price 12s. 6d.

THE MARINE STEAM ENGINE:

A Treatise for the use of Engineer Students and
 Officers of the Royal Navy.

By RICHARD SENNETT, Chief-Engineer, R.N.,

*First Assistant to Chief-Engineer H. M. Dockyard, Devonport
 and late Instructor on Marine Engineering at R.N. College.*

With numerous Diagrams. Price 21s.

A NEW EDITION OF

A Manual of NAVAL ARCHITECTURE.

2nd Edition.

For the use of Officers of the Royal Navy, Officers of the
 Mercantile Marine, Shipowners and Yachtsmen.

Revised and Enlarged Demy 8vo. Price 24s

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

NAVAL PROFESSIONAL BOOKS.

SOLD BY MESSRS. GRIFFIN & CO.

NAVIGATION, ASTRONOMY, &c.

- "WRINKLES" IN NAVIGATION, by Capt. S. T. Lecky.
8vo. 76 illustrations. 15s.
- HARBORD'S GLOSSARY OF NAVIGATION. New Edition.
7s. 6d.
- RAPER'S NAVIGATION, NAUTICAL ASTRONOMY, &c. With
Tables. 16s.
- JEANS' NAVIGATION AND NAUTICAL ASTRONOMY. 14s.
- JEANS' TRIGONOMETRY, with Problems in Nautical Sur-
veying, &c.
- JEANS' HANDBOOK OF THE STARS. 4s. 6d.
- NORIE'S EPITOME OF PRACTICAL NAVIGATION. 16s.
- INMAN'S NAUTICAL TABLES. 15s.
- BURDWOOD'S AZIMUTH TABLES. 4s. 6d.
- DAVIS'S AZIMUTH TABLES, from 30° N. to 30° S. 10s. 6d.
- NAVIGATION AND NAUTICAL ASTRONOMY. By the Rev. R.
M. Inskip, c.B. 6s. 6d.
- HOW TO FIND THE STARS, AND THEIR USE IN DETERMIN-
ING LATITUDE, LONGITUDE, and THE ERROR of the COMPASS.
8s. 6d.
- THE STARS; HOW TO KNOW AND HOW TO USE THEM,
with copious Astronomical Definitions, &c., and Four Large Maps of
the Stars. 7s. 6d.
- TABLE FOR THE CORRECTION OF LONGITUDE, when
error arises from incorrect Latitude. By Gilbert F. Key, Comman-
der, R.N. 1s.
- DEFINITIONS OF THE TERMS USED IN NAUTICAL ASTRO-
NOMY AND NAVIGATION. H.M.S. "Britannia." 2s. 6d.
- LABROSSE'S AZIMUTH TABLES, 61° N. to 61° S. (Explan-
ations in English, French, German and Spanish).
- ELEMENTARY LESSONS IN ASTRONOMY. By J. F. Norman
Lockyer. 5s. 6d.

NAUTICAL SURVEYING.

- HYDROGRAPHICAL SURVEYING. By Captain Wharton. 15s.
- THE PRACTICAL AND THEORETICAL STUDY OF NAUTICAL
SURVEYING. By J. Knox Laughton. 6s.
- NAUTICAL SURVEYING. REPRINTED FROM ALSTON'S SEA-
MANSHIP.
- PRACTICAL NOTES ON MARINE SURVEYING. By Captain
R. C. Mayne, R.N. 10s. 6d.
- PRACTICAL SURVEYING, &c. By Staff-Commander Thos A.
Hull, k.N. 2s.
- NOTES ON THE MANAGEMENT OF CHRONOMETERS AND
MEASUREMENT OF MERIDIAN DISTANCES. By Admiral Sir Chas.
F. N. Shadwell, C.B.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

NAVAL PROFESSIONAL BOOKS.

(Continued.)

SEAMANSHIP, RIGGING, MASTING, &c.

- SIR GEORGE NARES' SEAMANSHIP. 6th Edition. Revised and brought down to date, by Comr. A. C. B. Bromley, R.N.
 ALSTON'S SEAMANSHIP. Revised by Commander R. H. Harris, R.N. 12s. 6d.
 THE RIGGER'S GUIDE, AND SEAMAN'S ASSISTANT. By Chas. Bushell. 3s.
 THE SAILOR'S POCKET BOOK ; Practical Rules, Notes, and Tables. By Capt. F. G. D. Bedford, R.N. Third Edition. 7s. 6d.
 DARCY LEVER'S SEAMANSHIP ; or, the Young Officer's Sheet Anchor. 114 plates. Secondhand. £2 2s.
 SAILS AND SAIL MAKING, WITH DRAUGHTING, &c. By Robert Kipping, 2s. 6d.
 TREATISE ON MASTING, MAST-MAKING, and RIGGING OF SHIPS. With Tables of Spars, &c. By Robert Kipping. 2s.
 THE SAILOR'S SEA BOOK ; complete in 2 parts.
 PART I.—How to Keep the Log, &c.
 PART II.—On Finding Latitude, Longitude, &c. 2s. 6d.

NAVAL WARFARE, TEXT BOOKS, &c.

- TORPEDOES AND TORPEDO WARFARE ; Offensive and Defensive : being a complete History of Torpedoes. By C. Sleeman, Lieutenant, R.N. 57 pages of illustrations. 24s.
 THE GUN, RAM, AND TORPEDO. Manœuvres and Tactics of a Naval Battle of present day. By Commander G. H. U. Noel.
 HARVEY'S SEA TORPEDOES. With 12 Plates. 12s. 6d.
 THE DUEL ; a Naval War Game. Invented and arranged by Capt. Philip H. Colomb, R.N., with explanations and rules of the Game and necessary scales, &c. 10s. 6d.
 PROBLEMS IN NAVAL TACTICS. By Vice-Admiral Randolph, C.B. With 4 full-page diagrams. 2s.
 THE GUNNERY DRILL BOOK. Corrected to 1882.
 REMARKS ON THE MANŒUVRES OF TWO VESSELS IN ACTION. By Lieutenant G. R. Bethell, R.N. 2s.
 QUESTIONS & ANSWERS IN THE AMMUNITION INSTRUCTION. By J. Kite. Price 2s.
 COURSE OF INSTRUCTION IN GUNNERY SHIPS FOR OFFICERS AND MEN. 3d.
 THE WAR SHIPS OF EUROPE, containing a description of the Construction, Armour and Fighting Power of Iron Clads of England. Crown 8vo. 10s. 6d.
 DITTO DITTO New edition, enlarged. 30s.
 THE QUEEN'S REGULATIONS & ADMIRALTY INSTRUCTIONS. New Edition, 1879. 2s. 6d.
 ADDENDA TO DITTO. 6d.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

NAVAL PROFESSIONAL BOOKS.

(Continued).

- TEXT BOOK OF CONSTRUCTION AND MANUFACTURE OF Ordnance. Printed by Order of Secretary of State for War. Coloured Illustrations. Cloth Boards, 9s.
- RIFLE AND FIELD EXERCISES AND AMMUNITION INSTRUCTIONS for Her Majesty's Fleet. 1s. 6d.
- TEXT BOOK ON THE THEORY AND MOTION OF PROJECTILES ; the History, Manufacture, and Explosive Force of Gunpowder. 2s. 3d.
- MANUAL AND FIRING EXERCISES FOR MARTINI HENRY RIFLE. For the Use of the Navy. By Authority. 3d.
- TREATISE ON AMMUNITION. Third Edition. Corrected to November, 1881. 6s. 6d.
- NOTES ON NAVAL GUNS ; Their Stores and Fittings. Compiled by J. Wood. Corrected 1st January, 1875.
- GYMNASTIC EXERCISES, FENCING, &c. 2s.
- NOTES ON GUNPOWDER AND GUN-COTTON. By Colonel Wardell, R.A., by order of Secretary of State for War. Price. 1s. 6d.

ELECTRICITY, &c., Recommended for Torpedo Study.

- ELECTRICITY ; Its Theory, Sources and Applications. By John T. Sprague. Post 8vo. 8s.
- ELECTRICITY AND MAGNETISM. By Fleming Jenkin. Post 8vo. 3s. 6d.
- LESSONS ON ELECTRICITY at the Royal Institution. By John Tyndall. Post 8vo. 2s. 6d.
- MAGNETISM AND ELECTRICITY. By Frederick Guthrie. Post 8vo. 2s. 6d.
- ELECTRICITY AND MAGNETISM. By Deschanel. 8vo. 4s. 6d.
- ELECTRO TELEGRAPHY. By Frederick Beechey Fcp. 8vo. 1s. 6d.
- BALFOUR STEWART'S LESSON SON ELEMENTARY PHYSICS 5s. 6d.
- GANOT'S PHYSICS, Experimental and Applied. 820 Woodcuts. Post 8vo. 15s.
- THE FORCES OF NATURE, By Amedèe GUILLEMIN. Illustrated by 11 coloured plates and 455 woodcuts. £1 1s.
- DESCHANEL'S NATURAL PHILOSOPHY. By Professor Everett. 18s.
- BARNES' SUBMARINE WARFARE (American). Cloth. 25s.
- VON SCHELIHAS' TREATISE ON COAST DEFENCE. With Maps and Plans. Royal 8vo. Cloth. 15s.
- ELEMENTARY TREATISE ON ELECTRICITY. By James Clerk Maxwell, M.A. 7s. 6d.
- HANDBOOK OF ELECTRICAL TESTING. By R. H. Kempe. 12s. 6d.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

NAVAL PROFESSIONAL BOOKS.

(Continued).

MEDICAL.

- DICTIONARY OF MEDICINE. By various writers. Edited by Richard Quain, M.D., F.R.S. 31s. 6d.
- OUTLINES OF NAVAL HYGIENE. By John D. Macdonald, M.D., F.R.S. With Illustrations. 12s. 6d.
- MANUAL OF PRACTICAL HYGIENE. By E. A. Parkes, M.D. 5th Edition. 18s.
- THE SURGEON'S POCKET BOOK. An Essay on Best Treatment of Wounded in War. By Surgeon-Major J. H. Porter. Second Edition. With 152 Illustrations. 7s. 6d.
- THE SCIENCE AND PRACTICE OF MEDICINE. By W. Aitken, 7th Edition. 2 vols. 42s.
- SURGICAL EMERGENCIES. A Manual for the Use of general Practitioners. By Wm. Paul Swain. 3rd Edition. 5s.
- MANUAL OF OPERATIVE SURGERY. By Lewis A. Stimson, B.A. Over 300 Illustrations. 10s. 6d.
- NAVY — DESCRIPTIVE AND SURGICAL. By Henry Gray, F.R.S. New Edition by T. Holmes. 28s.
- BRYANT'S MANUAL FOR THE PRACTICE OF SURGERY. New Edition. With 672 Engravings. 2 Volumes. 28s.
- GUNSHOT INJURIES; THEIR HISTORY, CHARACTERISTIC Features, &c. By Surgeon-General T. Longmore, C.B. 31s. 6d.

STEAM, MAGNETISM, DEVIATION, &c.

- SENNETT'S MARINE STEAM ENGINE. For the use of Engineer Students and officers of Royal Navy. 21s.
- EVER'S STEAM AND THE STEAM ENGINE; Land, Marine and Locomotive. 3s.
- DRAWING & ROUGH SKETCHING FOR MARINE ENGINEERS. By Donaldson. 8s.
- MARINE ENGINES AND BOILERS; Pocket Book of Practical Rules for the Proportions of. By Burgh. 4s. 6d.
- SWIFT'S MANUAL OF THE HYDROMETER. 3s. 6d.
- MOLESWORTH'S ENGINEER'S POCKET BOOK. 6s.
- PROCTOR'S POCKET BOOK FOR MARINE ENGINEERS. 4s.
- MAXTON'S WORKMAN'S MANUAL OF ENGINEERING DRAWING. 4s.
- SPON'S TABLES AND MEMORANDA for Engineers. 1s.
- POCKET BOOK OF POCKET BOOKS. Hurst and Molesworth. 12s. 6d.
- EVANS' ELEMENTARY MAGNETISM, &c. 6s. 6d.
- ADMIRALTY MANUAL FOR DEVIATION OF THE COMPASS. 4s. 6d.
- MERRIFIELD'S MAGNETISM AND DEVIATION OF THE COMPASS. 1s. 6d.
- HANDBOOK OF THE LAW OF STORMS. By William Radcliffe Birt. 5s.

Griffin & Co., Publishers, 2, The Hard, Portsmouth.

