

PRINTED BY TAYLOR AND FRANCIS,
RED LION COURT, FLEET STREET.

ARI

ARI

THE

PISCATORIAL ATLAS

OF THE

NORTH SEA, ENGLISH AND ST. GEORGE'S CHANNELS.

BY

O. T. OLSEN, F.L.S., F.R.G.S.

ILLUSTRATING

THE FISHING PORTS, BOATS, GEAR, SPECIES OF FISH
(HOW, WHERE, AND WHEN CAUGHT),

AND OTHER INFORMATION CONCERNING FISH AND FISHERIES.

GRIMSBY:
O. T. OLSEN, FISH DOCK ROAD.

LONDON:
TAYLOR AND FRANCIS, RED LION COURT, FLEET STREET, E.C.

1883.

DEDICATED

BY

SPECIAL PERMISSION

TO

His Royal Highness

REAR-ADMIRAL

THE DUKE OF EDINBURGH,

K.G., K.T., K.P., ETC.,

IN ACKNOWLEDGMENT OF

THE INTEREST SHOWN BY HIM TOWARDS THE PROMOTION

OF

THE BRITISH FISHERIES

AND

ALL OTHER NAUTICAL MATTERS.

INTRODUCTORY REMARKS.

Some eight or ten years ago, when engaged in studying the physical conditions of the North Sea, more particularly with reference to the nature of the bottom, depths, sounding, &c., for the purposes of navigation, I was led into daily consultation with the masters sailing from Grimsby and Hull. My previous career on board ship, where, among other duties, I devoted considerable attention to the preparation of a log for Lieutenant Maury, of the United States, in which physical questions predominated, caused me thereafter to consider how I could apply like data for the benefit of our fishermen in the North Sea. I therefore constructed what I termed a Fisherman's Log-Book—a kind of modification of Maury, adapted to our trawlers &c. I here reprint copy of the headings of the Log-Book issued by me to the fishermen, which speak for themselves:—

MONTH LOG KEPT BY

Date.	Departure.	Course Steered.	Distance by Log.	Wind.	Weather.	Name of Ground Arrived at.	Depth of Water.	Soil.	Set of the Tide.	Latitude by Observation.	When Shot.	What Tack.	How Towed.	When Hauled.

ON BOARD THE OF NUMBER.

Ships in Distress. LIVES SAVED.	QUANTITY OF FISH.	DESCRIPTION OF FISH.	DESCRIPTION OF REFUSE.	MR. BUCKLAND'S NATURALIST'S COLUMN.	REMARKS.

By accident I consulted the late Mr. Frank Buckland, who was delighted with the idea, and suggested what I afterwards called "Buckland's Naturalist's Column" (see above), in which the following appeared:—

MR. BUCKLAND would feel obliged if specimens could be kindly forwarded to his address,—37, Albany Street, Regent's Park, London.

1st. Stomachs of Soles, Plaice, Turbots, Brills, Halibuts, Whiting, Haddocks, &c.

2nd. Hard and Soft Roes of Fish while Spawning.

3rd. Anything that looks like Eggs or Spawn of Fish or Marine Animals attached to Shells, Stones, &c.

4th. Samples from Deep Sea Oyster and Mussel Beds.

5th. Samples of Bottom of the Sea as brought up by the lead.

N.B.—All specimens should be labelled.

This soon led me to take a deeper interest than hitherto in the fishes themselves, their habits and habitat; and I then commenced to construct a chart of the fishing-grounds of the North Sea.

I was enabled to do this the more effectually by the aid of my friends, the fishermen of Grimsby, Hull, and other ports on the East Coast of England, who at my instigation kept and filled in with their practical observations the Log-Books above referred to.

I take this opportunity of thanking my numerous correspondents and log-keepers, among whom I may mention the following masters of fishing-smacks:—

Capt. W. Doran,

Capt. S. Anguish,	Capt. W. T. Dunlin,	Capt. B. W. Mathias,
„ W. Brown,	„ J. Epton,	„ E. Robinson,
„ S. Buckingham,	„ T. Freer,	„ T. Salmon,
„ J. L. Cook,	„ A. B. Hassing,	„ J. B. Spooner,
„ W. Chattres,	„ T. Hobday,	„ F. H. Welsh,

to one and all of whom I am indebted for information applied in the construction of the present series of Charts comprising the 'Piscatorial Atlas.'

Although there are many works devoted to the Natural History of the British Fishes, there are only a very few which relate to the fisheries, boats, and gear—Holdsworth's volume 'On Deep-sea Fishing and Fishing-boats' being by far the most practical and comprehensive treatise. It nevertheless occurred to me that, by using different grades of colouring on Charts, the distribution of particular fish might be seen at a glance, and more readily appreciated. Thus the general distribution of a species in the accompanying Charts is indicated by pale tint; where caught in abundance, the depth of colour is increased; and the deepest tints of all mark the spawning-localities.

Each fish is figured in the lower right-hand corner of the Chart, noting time of spawning, number of eggs, where and how caught, bait, food, size, weight, quality, when in season, and other remarks, chiefly based on an average of the extended information derived from the fishermen for a number of years back, verified by statements of scientific writers. On the upper right-hand corner of each Map is a sketch of the boat and gear employed in certain localities for the capture of the particular fish represented on that Map.

There are six Charts devoted to shell-fish, viz. Oysters, Mussels, &c. (or the Mollusca), used both as human food and fish-bait; and four Charts represent the Fishing-grounds, depth of water, nature of the soil, and set of the tides. The names given on the British Coasts in the Map are chiefly those of the fishing-ports.

Seeing that fishery questions are now regarded as of high importance, I trust my 'Atlas' may help to supply reliable information of a practical kind for consultation at a moment's notice.

Besides my fishing friends, I have been indebted to numerous other British and foreign savans and men practically engaged in the North-Sea Fisheries. Of the latter the following may be mentioned:—Herr von Yhlen of Lysekil, Superintendent of the Fisheries of the province of Bohus, Sweden; Capt. N. Juel, R.N., Inspector of Norwegian Fisheries; Herr S. A. Buck of Stavanger; Herr A. M. Wallem of Bergen; Herr A. Feddersen of Viborg; Commandant Cavalier de Cuverville of the French Imperial Navy; Captains J. L. Cook, James Alward, John Smith, George Whiteway, W. C. Normington, and others of Grimsby. From the late Frank Buckland I derived great encouragement in my work, and he it was that stimulated me in the pursuit of the subject; and to Dr. Francis Day, late Inspector of Fish and Fisheries of India, I am indebted for his extensive knowledge of Fish and Fisheries generally. In the same way Prof. Baird and Capt. Collins, of the United States Fishery Commission, as likewise the works of Prof. Sars and R. Collett of Norway, have been useful adjuncts to my own knowledge of the subject. Mr. Mathias Dunn, of Mevagissey, every one knows, freely distributes his information on fishing matters.

Mr. Holdsworth's excellent work I have already mentioned. The Reports of Mr. Frank Buckland, Mr. Spencer Walpole, Mr. A. Young, and Prof. Huxley as Inspectors of Fisheries have been freely used; nor have other authorities been forgotten, such as Yarrell, Cuvier, Bloch, Couch, Linnæus, Hamilton, Günther, and, on special subjects, those of DeCaux and Mitchell on the Herring, and others.

Lastly, Dr. J. Murie has kindly given me aid and advice both in lithographing of the Charts and printing of the text while passing through the press.

I give here, in a tabular form, the numbers, tonnage, and men employed in all First, Second, and Third Class Fishing-Vessels of the United Kingdom.

BOATS REGISTERED UNDER THE SEA-FISHERIES' ACT,

Compiled from Official and other sources.

ENGLAND.

	PORTS.	1st Class.	2nd Class.	3rd Class.	Total. No.	Total. Tonnage.	Approximate No. of Men and Boys employed.
AB ..	Aberystwith	2	19	60	81	403	233
BE ..	Barnstaple	2	4	—	6	71	173
BS ..	Beaumaris	7	13	1	21	255	340
BK ..	Berwick	126	443	1	570	5761	1302
BD ..	Bideford	7	126	13	146	352	237
BN ..	Boston	3	20	—	23	249	217
BR ..	Bridgewater	—	—	1	1	—	99
BT ..	Bridport	1	—	—	1	20	222
BL ..	Bristol	2	—	—	2	41	31
CO ..	Carnarvon	15	44	7	66	786	184
CF ..	Cardiff	3	6	—	9	97	69
CA ..	Cardigan	1	5	—	6	74	364
CL ..	Carlisle	—	23	1	24	48	51
CH ..	Chester	1	2	—	3	27	9
CK ..	Colchester	90	245	—	335	3903	1090
CS ..	Cowes	3	8	16	27	156	232
DH ..	Dartmouth	237	141	10	388	11474	1360
DL ..	Deal	8	10	3	21	176	100
DR ..	Dover	29	31	27	87	1071	373
E....	Exeter	—	59	4	63	167	568
FH ..	Falmouth	7	61	16	84	559	372
F....	Faversham	24	128	1	153	1603	516
FD ..	Fleetwood	69	7	—	76	2283	251
FE ..	Folkestone	6	85	12	103	793	411
FY ..	Fowey	20	175	48	243	1738	881
GR ..	Gloucester	1	—	—	1	15	20
GE ..	Goole	1	5	—	6	59	18
GY ..	Grimsby	637	16	4	657	36550	5750
HL ..	Hartlepool	—	135	6	141	685	341
HH ..	Harwich	16	55	2	73	1214	287
HE ..	Hayle	97	132	22	251	2741	1408
H ..	Hull	585	201	1	787	34643	3350
IP ..	Ipswich	—	20	—	20	168	36
LR ..	Lancaster	7	1	—	8	190	148
LI ..	Littlehampton	3	26	5	34	131	247
LL ..	Liverpool	46	186	3	235	2628	626
LY ..	Llanelly	1	1	—	2	33	115
LO ..	London	160	66	1	227	9004	580
LT ..	Lowestoft	430	30	7	467	14349	3300
LR ..	Lyme Regis	1	39	2	42	171	178
LN ..	Lynn	21	91	—	112	1054	413
MN ..	Maldon	13	271	1	285	2357	724
MT ..	Maryport	1	42	—	43	231	79
MH ..	Middlesborough	1	53	1	55	151	90
M ..	Milford	12	28	2	42	518	435
NE ..	Newcastle	1	5	—	6	81	48
NN ..	Newhaven	6	71	9	86	373	221
NP ..	Newport	3	1	1	5	55	21
PW ..	Padstow	—	80	—	80	204	259
PZ ..	Penzance	29	409	—	438	2036	2100
PH ..	Plymouth	87	168	1	256	4107	1064
PE ..	Poole	—	7	1	8	—	195
P....	Portsmouth	25	61	—	86	862	350
PN ..	Preston	1	62	—	63	171	100
R ..	Ramsgate	173	29	—	202	6573	915
RR ..	Rochester	7	94	—	101	651	220
RN ..	Runcorn	1	21	1	23	135	32
RX ..	Rye	41	107	1	149	1690	869
SH ..	Scarborough	122	106	—	228	6211	1575
SC ..	Scilly	1	—	—	1	26	4
SN ..	Shields, North	28	503	—	531	2694	1622
SSS ..	Shields, South	12	57	—	69	390	254
SM ..	Shoreham	26	128	26	180	1481	1058
SU ..	Southampton	27	13	6	46	683	385
SD ..	Sunderland	7	109	—	116	769	423
SA ..	Swansea	3	118	—	121	1021	236
TH ..	Teignmouth	3	70	9	82	509	441
TO ..	Truro	—	14	—	14	—	99
WH ..	Weymouth	3	8	23	34	141	585
WY ..	Whitby	23	213	—	236	1428	450
WA ..	Whitehaven	17	32	42	91	599	236
WI ..	Wisbeach	—	10	—	10	48	36
WE ..	Woodbridge	17	15	2	34	683	272
WO ..	Workington	1	13	1	15	46	46
YH ..	Yarmouth	610	414	33	1057	23832	4474
	Total	3970	5991	434	10395	198498	46418

SCOTLAND.

	PORTS.	1st Class.	2nd Class.	3rd Class.	Total. No.	Total. Tonnage.	Approximate No. of Men and Boys employed.
A....	Aberdeen	145	427	33	605	4460	1275
AA ..	Alloa	—	6	—	6	48	18
AH ..	Arbroath	15	138	1	154	1000	650
AD ..	Ardrossan	7	153	1	161	753	512
AR ..	Ayr	4	276	—	280	828	600
BF ..	Banff	819	488	5	1312	15783	6285
BO ..	Borrowstoness	—	28	—	28	111	100
CN ..	Campbelton	60	301	—	361	2452	1341
DS ..	Dumfries	—	52	35	87	333	114
DE ..	Dundee	44	74	—	118	1593	520
GW ..	Glasgow	—	19	29	48	91	96
GN ..	Granton	2	—	—	2	69	12
GC ..	Greenock	33	1343	133	1509	5245	5124
INS ..	Inverness	288	1139	1075	2502	13154	8000
KY ..	Kirkaldy	486	392	3	881	9024	4598
KL ..	Kirkwall	106	493	12	611	3760	1760
LH ..	Leith	165	350	—	515	5930	2158
LK ..	Lerwick	160	745	65	970	4527	4928
ME ..	Montrose	102	238	2	342	4168	1327
PEH .	Perth	2	21	—	23	191	69
PD ..	Peterhead	689	254	323	1266	14344	4744
SY ..	Stornoway	124	675	9	808	5530	4500
SR ..	Stranraer	6	259	5	270	694	555
TN ..	Troon	—	79	—	79	276	116
WK ..	Wick	506	607	2	1115	12856	3409
WN ..	Wigtown	2	13	77	92	169	148
	Total	3765	8570	1810	14145	107389	52959

IRELAND.

BA ..	Ballina	—	3	184	187	326	667
B....	Belfast	55	359	50	464	2442	2400
CE ..	Coleraine	—	111	28	139	202	250
C....	Cork	73	346	287	706	3301	3183
DA ..	Drogheda	3	47	20	70	193	305
D ..	Dublin	177	321	123	621	7321	2390
DK ..	Dundalk	1	46	16	63	122	250
G....	Galway	5	618	631	1254	6204	3670
L....	Limerick	7	33	305	345	663	638
LY ..	Londonderry	10	452	130	591	1268	2343
NS ..	New Ross	1	70	2	73	303	120
N ..	Newry	46	121	71	238	1505	1264
S....	Skibbereen	44	343	454	841	3104	4703
SO ..	Sligo	3	100	461	564	440	1965
T....	Tralee	17	155	432	604	1569	1718
W ..	Waterford	16	171	33	220	1253	678
WT ..	Westport	—	22	808	830	1482	2791
WD ..	Wexford	13	183	15	211	1049	778
Y....	Youghal	2	28	21	51	190	801
	Total	473	3529	4071	8072	32937	30914

ISLE OF MAN.

CT .. DOS .. RY ..	Castletown, Douglas, Ramsey	318	132	9	459	8290	2898

CHANNEL ISLANDS.

GU .. J	Guernsey, Jersey	35	236	36	285	1511	1130
	TOTAL	8561	18458	6360	33356	348625	134319

ORDER OF THE MAPS.

MAP 1. Illustrating by arrows the set of the ebb and flood tides, and by numbers the velocity in knots per hour.
2. Representing, in different shades of colour, the nature of the bottom of the sea.
3. Depths, in fathoms, for every 30 miles, the blue lines indicating differences of 10 fathoms.
4. The names of the Fishing-grounds of the North Sea familiarly known to fishermen, indicated in red.

FISH, CRUSTACEA, SHELLFISH, FISHING-VESSELS, &c.

SILVERY AND SURFACE-FISH.

5. Herring	Scotch Herring-lugger.
6. Pilchard	Mount's Bay Lugger.
7. Shad	French Herring-boat.
8. Anchovy	Fishermen shooting the Seine.
9. Sprat	The Stow Net.
10. Whitebait	Thames Shrimper.
11. Garfish	Torbay Hooker.
12. Scad or Horse Mackerel	Yarmouth Drift-boat.
13. Mackerel	Torbay Hooker.
14. Smelt	The Seine Net.

ROUND AND MIDWATER-FISH.

15. Whiting	Tenby Fishing-boat.
16. Pollack	Whitby Cobble.
17. Haddock	Steam Trawler (Scotch model).
18. Coalfish	Orkney Fishing-boat.
19. Hake	Scotch Long-liner.
20. Cod	Grimsby Cod-vessel.
21. Tusk	Shetland Yawl.
22. Ling	Orkney Fishing-boat.
23. Conger	Guernsey Boat.
24. Eel	Burnham Boat (Thames).

ARMED AND SCALED FISH.

25. Wolf or Catfish	Keel Boat (Holy Isle).
26. Sturgeon	Scarborough Trawler.
27. Bass	Irish Fishing-boat.
28. Grey Gurnard	Lowestoft Trawler.
29. Red Gurnard	Dutch Fishing-boat.
30. Grey Mullet	French Fishing-boat.
31. Sur Mullet	Ditto, with Trammel net (100 years ago).
32. Bream	Brixham Trawler.
33. Wrasse	Swedish Boat.
34. John Dory	Manx Fishing-boat.

FLAT AND GROUND-FISH.

35. Sole	Brixham Trawler.
36. Lemon Sole	Lowestoft Trawler.
37. Dab	Shrimp and Dab Trawl.
38. Flounder	Trawl and Thames Boat.
39. Plaice	Steam Trawl and Trawl-head.
40. Brill	Ramsgate Trawler.
41. Turbot	Beam-trawl.
42. Halibut	Grimsby Cod-vessel.
43. Thornback Ray	Brixham Long-boom Trawler.
44. Skate	Lowestoft Trawler.

CRUSTACEA AND SHELLFISH.

45. Lobster	Guernsey Fishing-Boat.
46. Crab	East Coast Cobble.
47. Shrimp	Thames Shrimper.
48. Mussels	Loch Fyne Fish-boat.
49. Whelk	Grimsby Whelker.
50. Oyster	Oyster-dredge.

THE PISCATORIAL ATLAS.

NORWAY AND SWEDEN.



THE SET OF TIDES AT HALF EBB AND HALF FLOOD.

THE RED ARROWS REPRESENT THE DIRECTION OF THE FLOOD.
THE BLUE ARROWS REPRESENT THE DIRECTION OF THE EBB.
THE NUMBERS REPRESENT THE RATE OR VELOCITY.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
ORKNEY ISLES
Kirkwall
Stromness
Pentland Firth
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Cromarty
Murray Firth
Inverness
Balmacara
Banff
Macduff
Fraserburgh
Kinnaird's Hd.
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Mull
Greenock
Glasgow
Clyde
Firth
Ardrossan
Troon
Ayr
Campbell Town
Dumbar
St Abbs Hd
Eyemouth
Berwick
EDINBURGH
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldbro
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Hastings
Brighton
Newhaven
Beachy Hd
Southampton
Portsmouth
Lymington
Christchurch
Poole
Weymouth
Portland
Dorchester
Bridport
Lyme Regis
Exmouth
Teignmouth
Brixham
Torbay
Plymouth
Dartmouth
Padstow
Mevagissey
Falmouth
St Ives
Lands End
Penzance
Barnstaple
Bideford
Hartland Pt
Bridgewater
Milford
Tenby
Carmarthen
Llanelly
Swansea
Cardiff
Newport
Pr. Severn
Gloucester
Bristol
Cardigan
Aberdovey
Aberystwith
Barmouth
Beaumaris
Bangor
Carnarvon
Bardsey
Liverpool
Rancorn
Holyhead
Chester
Douglas
Ramsey
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Dumfries
Stranraer
Port Patrick
Wigtown
Ireland
Donaghadee
Donaghadee
Larne
Campbeltown
Islay
Balmacara
Skye
Lewis
Stornoway
Tarbert
Harris
Uist
Barra
Mull
Tiree
Coll
Oban
Staffa
Iona
Jura
Arran
Ailsa Craig
Cantyre
Fair I
Shetland Isles
Lerwick
Orkney Isles
Kirkwall
Stromness
Pentland Firth
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Cromarty
Murray Firth
Inverness
Balmacara
Banff
Macduff
Fraserburgh
Kinnaird's Hd.
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Mull
Greenock
Glasgow
Clyde
Firth
Ardrossan
Troon
Ayr
Campbell Town
Dumbar
St Abbs Hd
Eyemouth
Berwick
EDINBURGH
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldbro
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Hastings
Brighton
Newhaven
Beachy Hd
Southampton
Portsmouth
Lymington
Christchurch
Poole
Weymouth
Portland
Dorchester
Bridport
Lyme Regis
Exmouth
Teignmouth
Brixham
Torbay
Plymouth
Dartmouth
Padstow
Mevagissey
Falmouth
St Ives
Lands End
Penzance
Barnstaple
Bideford
Hartland Pt
Bridgewater
Milford
Tenby
Carmarthen
Llanelly
Swansea
Cardiff
Newport
Pr. Severn
Gloucester
Bristol
Cardigan
Aberdovey
Aberystwith
Barmouth
Beaumaris
Bangor
Carnarvon
Bardsey
Liverpool
Rancorn
Holyhead
Chester
Douglas
Ramsey
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Dumfries
Stranraer
Port Patrick
Wigtown
Ireland
Donaghadee
Donaghadee
Larne
Campbeltown
Islay
Balmacara
Skye
Lewis
Stornoway
Tarbert
Harris
Uist
Barra
Mull
Tiree
Coll
Oban
Staffa
Iona
Jura
Arran
Ailsa Craig
Cantyre
Fair I
Guernsey
Alderney
Cape La Hague
C. Barfleur
Havre
Fecamp
Dieppe
Abbeville
Montreal
Boulogne
C. Grisnez
Calais
Gravelines
Dunkirque
Ostend
Antwerp
Bergen
Rotterdam
Amsterdam
Zuider Zee
Elburg
Workum
Helder
Texel
Harlingen
Groningen
Emden
Oldenburg
Bremen
Hanover
Nordeney
Wieringen
Terschelling
Ameland
Weser R.
Ems R.
Cuxhaven
Eyder R.
Friedrichstadt
Heligoland
Sylt I.
Romo
Fano
Homgreed
Blaavand Pt
Jutland
Ringkiobing
Lemvig
Skare
Hantsholmen
Skagerak
Christiansand
Arendal
Egersund
Lister
Lindes Nes
Stavanger
Bucke Fiord
Udsire
Karmo
Kors Fiord
Bergen
Norway
Fish Dock Grimsby.
18° Variation
True
Great Fisher Bank
Dogger Bank
North Deep
Middle Deep
South Deep
English Channel
Bristol Channel
St George's Channel
Irish Sea
Wales
England
Scotland
Holland
Germany
Denmark
France
Belgium

North Sea Bottom	The Colours representing the nature of the soil as brought up by the lead and by the trawl.
	Oysters.
	Sand, Fine and Coarse.
	Mud and Ooze.
	Clay.
	White, Blue & Black.
	Stones and Rocks.
	Moorlog.

Meridian Of Greenwich

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.



EAST COAST FISH WIFE.

NORTH SEA

SOUNDINGS.

THE NUMBERS REPRESENT THE DEPTH OF WATER IN FATHOMS,
THE BLUE SHADING DENOTING VARIOUS DEPTHS.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Kirkwall
Pentland Frith
C. Wrath
Duncansby Head
Wick
Lybster
Ullapool
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Rh. Ness
Anstruther
Pittenweem
Kirkcaldy
Firth of Forth
May I.
Balmacara
Mull
Glasgow
Greenock
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
Dunbar
St Abbs Hd
Eyemouth
Berwick
EDINBURGH
Holy I
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Stathes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Cardiff
Newport
Bristol
Gloucester
Tenby
Barnstaple
Bideford
Hartland Pt
Lundy Id.
Ilfracombe
Lynmouth
Bridgewater
Minehead
Exmouth
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Cowes
Brighton
Shoreham
Beachy Hd
Rye
Dungeness
Folkestone
Dover
Deal
Ramsgate
North Foreland
Whitstable
Faversham
Rochester
Gravesend
LONDON
Maldon
Colchester
Harwich
Ipswich
Woodbridge
Aldboro
Orford Ness
Lowestoft
Yarmouth
Winterton
Cromer
Sheringham
Lynn
WISBEACH
Boston
Ullapool
Lerwick
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
Egersund
Arendal
Christiansand
Lister
Lindes Næs
Skagerak
Hantsholmen
Skive
Lemvig
Ringkjobing
Hornsreef Gr
Blaavand Pt
Fano
Romo
Sylt Gr
Syt I.
Amrum Gr
Eider Gr
Friedrichstadt
Heligoland
Heligoland Gr
Elbe R.
Cuxhaven
Wangiroog
Norderney
Weser R.
Ems R.
Emden
OLDENBURG
HANOVER
Bremen
Harlingen
Groningen
Helder
Workum
ZUIDER ZEE
Elburg
AMSTERDAM
Texel
Rotterdam
Schowen Gr
West Kapelle Gr
Berger
Antwerp
Ostend
BELGIUM
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
Dieppe
Fecamp
Havre
Alderney
Guernsey
Cape la Hague
C. Barfleur
Lizard
Lands End
St Ives
Padstow
Hayle
Penzance
Falmouth
Plymouth
Dartmouth
Brixham
Exmouth
Teignmouth
Torbay
Start Pt
Salcombe
Mewstone
Eddystone
Looe
Fowey
Mevagissey
Brixham Gr
North Deep
Middle Deep
South Deep.
ENGLISH CHANNEL
BRISTOL CHANNEL
IRELAND
ST GEORGES CHANNEL
SCOTLAND
WALES
ENGLAND
FRANCE
HOLLAND
DENMARK
GERMANY
NORTH SEA
Fladen Ground
Long Forlies
Murray Firth Gr
Great Fisher Bank
Little Fisher Bank
Mar Bank
Berwick Bank
Cemetry
Eastern Mud Hole
East Dogger Gr
East end of Dogger
Scruf
Dogger Bank
Hornsreef Gr
Jutland Grounds
Hartlepool Gr
NE Gr
Dogger N. Shoal
Clay Deep
Dogger Hole
Western Shoal
Whitby Gr
Beldens Bank
NW Spit
Scarboro Gr
Great Silver Pits
Flamborough Hd Gr
NE Gr
Botner Gr
Oysterbeds
Borkum outer Gr
California
Well Bank Flat
Off Gr
Sole Pit
Western Mud hole
Coal Pit
Cromer Knowl
Leman Gr
Little Silver pit
Swarte Bk
Middle Bk
Ower Bk
Leman Bk
New Zealand Gr
Terschelling Gr
Ameland Gr
Terschelling
Black Bank
Texel Gr
Would Gr
Smiths Knowl
Brown Bank
Knowl Flat
Egmond Gr
Broad Fourteens
Lowestoft flat
Sole Bay
Cooks Bank
Western deep Water
Aldboro Orford Ness Woodbridge
Gallover flat
Brille Gr
Iron Foundry
Schowen Gr
West Kapelle Gr
N. Foreland Gr
Margate Gr
Falls Gr
New Ground Flat
Sandittie
Ridge & Bay Varne
Rye Diamond Gr
Brighton Gr
North Deep
Middle Deep
South Deep.
Eagle Bank
Outer Gabbard
Inner Gabbard
Haisborough Sands
Cromer Shoal
Smiths Knoll
Newarp
Scroby Sands
Yarmouth Roads
Corton Sands
Lowestoft Roads
Kentish Knock
Goodwin Sands
Ruytingen
Middelkerke Bk
Thornton Bk
Broers Bk
Vlakte van de Raan
Vlakte van de Wielingen
Hinder Bk
Oost Dyck Bk
Noord Hinder
Zuid Hinder
Kwinte Bk
Buiten Ratel
Binnen Ratel
Westhinder
Oost Hinder
Middelkerke
Thornton
Broers
Ruytingen
Vlakte van de Raan
Vlakte van de Wielingen
Hinder
Oost Dyck
Noord Hinder
Zuid Hinder
Kwinte

THE PISCATORIAL ATLAS.



SCOTCH HERRING LUGGER.



HERRING.

(*Clupea harengus.*)

Time of spawning—September to November.
Number of eggs—70,000.
When caught—Each locality has its season.
How caught—By seines and drift nets.
Bait—Not caught by hook and bait.
Food—Minute animals, small fry and spawn.
Size—From 9 to 12 ins.; Iceland 15 ins.

Weight—Average 5 ozs. to 1 lb.
Quality—Very wholesome, nutritious and savoury.
When in season—July to March.
Remarks—The Herring is a migratory fish, captured in different localities at different seasons. It is very prolific. Its graceful form and silvery brightness are as pleasing to the eye as the taste is grateful to the palate. It is also food for all fish.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.



MOUNTS BAY LUGGER.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Noes
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
SCOTLAND
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Inverness
Cromarty
Murray Firth
Beckie
Isle of Skye
Balmacara
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Fife Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Mull I.
Greenock
Glasgow
Granton
Leith
EDINBURGH
Dunbar
St Abbs H.
Eyemouth
Berwick
Holy I.
Farn I.
Coquet I.
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
Cantyre
Islay
Dumfries
Stranraer
Port Patrick
Wigtown
Carlisle
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Maryport
Workington
Whitehaven
St Bees Hd
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Gvole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpe
Liverpool
Runcorn
Holyhead
Beaumaris
Bangor
Menai Bridge
Chester
Bardsey
Barmouth
Aberdovey
Aberystwith
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldboro
Orford
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Brighton
Beachy Hd
Eastbourne
Southampton
Portsmouth
Cowes
I. of Wight
Lymington
Christchurch
Poole
Weymouth
Portland
Lyme Regis
Bridport
Exmouth
Teignmouth
Dartmouth
Brixham
Plymouth
Hartland Pt.
Bideford
Barnstaple
Bridgewater
Landy I.
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Tenby
Swansea
Cardiff
Newport
Riv. Severn
Gloucester
Bristol
BRISTOL CHANNEL
Padstow
St Ives
Lands End
Falmouth
Marazion
Penzance
Lizard
ENGLISH CHANNEL
Alderney
Guernsey
C. Barfleur
Cape la Hague
Dieppe
Fecamp
Havre
FRANCE
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
BELGIUM
Ostend
Antwerp
Rotterdam
Bergen
HOLLAND
ZUIDER ZEE
Texel
Helder
Workum
Harlingen
Terschelling
Ameland
Nordeney
Emden
OLDENBURG
Groningen
GERMANY
HANOVER
Bremen
Ems R.
Weser R.
Cuxhaven
Elbe R.
Elbarg
Canal
AMSTERDAM
SKAGERAK
Hantshalmen
Lemvig
Skive
JUTLAND
Ringkiobing
Hvmsreef
Blaavand Pt
Fano
Romo
Syst I.
Friedrichstadt
Heligoland
DENMARK
Meridian O of Greenwich

General distribution—

Where caught in abundance—

Spawning localities—



PILCHARD.

(*Clupea pilchardus.*)

Time of spawning—April and May.
Number of eggs—650,000.
When caught—July to December.
How caught—By drift nets and seines.
Bait—Not caught by hook.
Food—Small crustaceans, insects, spawn, &c.

Size—Average 9 to 14 ins.
Weight—About 2 lbs. to 4 lbs.
Quality—Wholesome and very savoury.
When in season—June to December.
Remarks—The Pilchard fishery is chiefly confined to the coast of Cornwall, but may be found elsewhere. Many hundreds find employment in this industry.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON

THE PISCATORIAL ATLAS.



A FRENCH HERRING BOAT.



SHAD.

(*Clupea alosa.*)

Time of Spawning—June and July.
Number of eggs—95,200.
When caught—From May to August.
How caught—By nets, seines, trammel and wiffing.
Bait—A piece of mackerel or anything glittering.
Food—Small fish and crustaceans.

Size—1 to 4 ft.
Weight—4 to 6 lbs. to 20 lbs.
Quality—Good, but rather dry.
When in season—May, June, and July.
Remarks—The Shad is a salt water fish, but is chiefly caught in rivers, where it ascends to shed its spawn. It is very little esteemed; it is dry and full of bones. At times mistaken for very large Herrings.

General distribution—
Where caught in abundance—
Spawning localities—

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON

THE PISCATORIAL ATLAS.



THE SEINE.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Pentland Frith
C. Wrath
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Cromarty
Inverness
Buckie
Banff
Macduff
Fraserburgh
Rimmards Pt.
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Granton
Leith
EDINBURGH
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Staithes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldboro
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Malden
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Beachy Hd
Brighton
Newhaven
Southampton
Portsmouth
Cowes
I. of Wight
Poole
Weymouth
Portland
Lyme Regis
Bridport
Exmouth
Teignmouth
Torbay
Dartmouth
Plymouth
Brixham
Eddystone
Mevagissey
Fowey
Falmouth
Helford
Penzance
St Ives
Lands End
Scilly Is.
Lizard
Start Pt.
Hartland Pt.
Bideford
Barnstaple
Bridgewater
Bristol
Gloucester
Cardiff
Newport
Riv. Severn
Swansea
Carmarthen
Tenby
Milford
St Davids Hd
Fishguard
Cardigan
Aberystwith
Aberdovey
Barmouth
Bardsey
Holyhead
Beaumaris
Bangor
Carnarvon
Chester
Runcorn
Liverpool
Preston
Fleetwood
Lancaster
Morecambe Bay
Whitehaven
Workington
Maryport
St Bees Hd
Carlisle
Dumfries
Wigtown
Stranraer
Port Patrick
Campbell Town
Ayr
Troon
Ardrossan
Clyde Firth
Greenock
Glasgow
Irvine
Ailsa
Campbeltown
Lough Ryan
Larne
Donaghadee
Donaghadee
Belfast
Ireland
Ramsey
Douglas
Castletown
Head Man
St. George's Channel
Scotland
Wales
England
North Sea
English Channel
Bristol Channel
Irish Sea
Great Fisher Bank
Dogger Bank
Skagerak
Norway
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
Egersund
Arendal
Christiansand
Lister
Lindes Næs
Mandal
Hantshalven
Lemvig
Skive
Jutland
Ringkiobing
Hoinsvee
Blaavand Pt.
Fano
Romo
Syt I.
Denmark
Friedrichstadt
Heligoland
Elbe R.
Cuxhaven
Weser R.
Nordeney
Hanover
Ems R.
Emden
Oldenburg
Germany
Bremen
Groningen
Harlingen
Workum
Ameland
Terschelling
Texel
Helder
Zuider Zee
Elburg
Amsterdam
Holland
Rotterdam
Bergen
Antwerp
Ostend
Belgium
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
Dieppe
Fecamp
Havre
C. Bardeur
Cape La Hague
Alderney
Guernsey
France

18° Variation
TRUE

General distribution—
Where caught in abundance—
Spawning localities—Deep water.



ANCHOVY.

(*Engraulis encrasicholus.*)

Time of spawning—September.
Number of eggs—Numerous.
When caught—From October to March.
How caught—By ground seines, and torchlight by night.
Bait—Not caught by hook.
Food—Spawn, insects, &c.
Size—Average 6 ins., largest 8 ins.
Weight—About 2 ozs.
Quality—Excellent for sauce.
When in season—October to March.
Remarks—The Anchovy fishery should be cultivated.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART-LITH. LONDON.

THE PISCATORIAL ATLAS.



THE STOW NET.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Buckefiord
Stavanger
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Nœs
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Cromarty
Inverness
Buckie
Banff
Macduff
Fraserburgh
Kinnairds Hd.
Peterhead
Buchanness
Balmacara
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Ness
Anstruther
Pittenweem
Kirkcaldy
May I.
Firth of Forth
Dunbar
St Abbs H.
Eyemouth
Berwick
Holy I.
Farn Is.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd.
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Glasgow
Clyde Firth
Greenock
Granton
Leith
EDINBURGH
Ardrossan
Troon
Ayr
Campbell Town
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd.
Strangaer
Port Patrick
Wigtown
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Holyhead
Beaumaris
Bangor
Carnarvon
Chester
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Tenby
Swansea
Cardiff
Newport
Riv. Severn
Gloucester
Bristol
BRISTOL CHANNEL
Lundy Id.
Barnstaple
Bideford
Hartland Pt.
Bridgewater
Padstow
St Ives
Land's End
Hayle
Falmouth
Penzance
Mevagissey
Fowey
Plymouth
Dartmouth
Brixham
Exeter
Teignmouth
Dawlish
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Lizard
ENGLISH CHANNEL
Alderney
Guernsey
C. Barfleur
Cape la Hague
Havre
Dieppe
Fecamp
Abbeville
Boulogne
Montreal
C. Grisnez
Calais
Gravelines
Dunkirque
Ostend
Antwerp
Rotterdam
Berger
Texel
Helder
Harlingen
Workum
Terschelling
Ameland
Nordeney
Ems R.
Emden
OLDENBURG
Groningen
Bremen
HANOVER
Weser R.
Elbe R.
Cuxhaven
Friedrichstadt
Heligoland
ZUIDER ZEE
Canal
Elburg
AMSTERDAM
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldboro
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Beachy Hd.
Eastbourne
Brighton
Shoreham
Littlehampton
Bognor
Selsea Bill
Portsmouth
Southampton
Poole
Weymouth
Portland
Bridport
Exeter
Teignmouth
Dawlish
Plymouth
Dartmouth
Brixham
Falmouth
Penzance
Land's End
St Ives
Padstow
Lundy Id.
Ilfracombe
Barnstaple
Bideford
Hartland Pt.
Tenby
Fishguard
St Davids Hd
Milford
Cardigan
Aberystwith
Aberdovey
Barmouth
Holyhead
Beaumaris
Bangor
Carnarvon
Liverpool
Runcorn
Chester
Preston
Fleetwood
Lancaster
Morecambe Bay
Whitehaven
Workington
Maryport
Carlisle
Dumfries
Strangaer
Port Patrick
Wigtown
Campbell Town
Ayr
Troon
Ardrossan
Greenock
Clyde Firth
Glasgow
Granton
Leith
EDINBURGH
Dunbar
St Abbs H.
Eyemouth
Berwick
Holy I.
Farn Is.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd.
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
Lowestoft
Yarmouth
Winterton
Cromer
Sheringham
Lynn
WISBEACH

THE PISCATORIAL ATLAS.



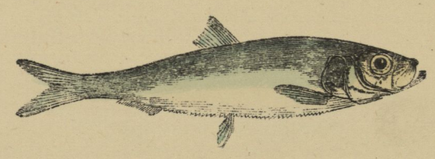
THAMES SHRIMPER

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Nœs
Pentland Frith
C. Wrath
Duncansby Head
Wicks
Lybster
Helmsdale
Ullapool
Murray Firth
Cromarty
Inverness
Buckie
Banff
Macduff
Fraserburgh
Kinnairds Hd.
Peterhead
Buchan Ness
Balmacara
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Tay R.
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Alloa
Mull
Glasgow
Clyde Firth
Greenock
Grangemouth
Leith
EDINBURGH
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn I.
Coquet I.
Troon
Ayr
Campbell Town
Dunfries
Carlisle
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Stathes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Gloucester
Cardiff
Newport
Bw. Severn
Bristol
BRISTOL CHANNEL
Lundy Id.
Barnstaple
Bideford
Hartland Pt
Padstow
St Ives
Lands End
Hayle
Penzance
Helston
Falmouth
Truro
Plymouth
Dartmouth
Brixham
Teignmouth
Exeter
Lyme Regis
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Cowes
Littlehampton
Worthing
Brighton
Newhaven
Beachy Hd
Dungeness
Rye
Hastings
Folkestone
Deal
Dover
Ramsgate
North Foreland
Margate
Whitstable
Faversham
Rochester
Gravesend
LONDON
Maldon
Colchester
Ipswich
Harwich
Aldborough
Orford Ness
Woodbridge
Yarmouth
Lowestoft
Wisbeach
Lynn
Sheringham
Cromer
Winterton
Boston
Alderney
Guernsey
C. Bartlew
Cape La Hague
Havre
Fecamp
Dieppe
Abbeville
C. Grisnez
Boulogne
Montreal
Calais
Gravelines
Dunkirque
FRANCE
ENGLISH CHANNEL
IRELAND
St GEORGES CHANNEL
Larne
Donaghadee
Newcastle
Strangford
Port Patrick
Wigtown
Ramsey
Douglas
Castletown
Isle Man
SCOTLAND
ENGLAND
WALES
GREAT FISHER BANK
DOGGER BANK
SKAGERAK
Hantsholmen
Lemvig
Skive
JUTLAND
Ringkiobing
Hvide Sande
Blaavand Pt
Fano
Romo
Sylt I.
Heligoland
Friedrichstadt
Elbe R.
Cuxhaven
Weser R.
Nordeney
Ameland
Terschelling
Ems R.
Emden
OLDENBURG
HANOVER
GERMANY
DENMARK
Harlingen
Groningen
Bremen
Texel
Helder
Workum
ZUIDER ZEE
Enkhuizen
Elburg
Amsterdam
HOLLAND
Rotterdam
Bergen
Ostend
Antwerp
BELGIUM
Meridian Of Greenwich

General distribution—

Where caught in abundance—

Spawning localities—



WHITEBAIT.
(*Clupea alba.*)

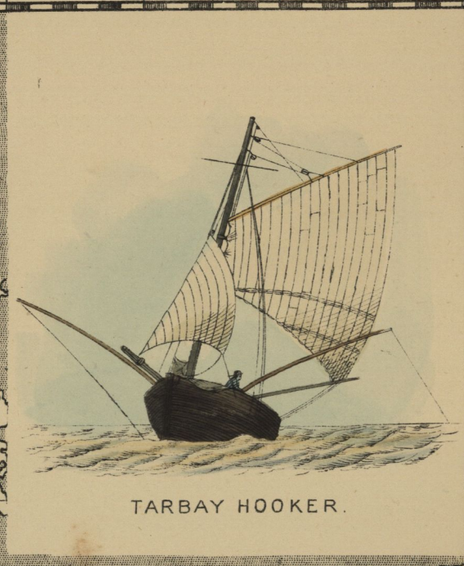
Time of spawning—Unknown.
Number of eggs—Unknown.
When caught—March to December.
How caught—By stow-nets and seines.
Bait—
Food—Very minute insects, spawn, &c.

Size—4 to 6 ins.
Weight—2 to 4 ozs.
Quality—Delicious.
When in season—February to August.
Remarks—The Whitebait is supposed to be the fry of other fish : this requires confirmation. It is held in very high esteem and considered a great delicacy.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.



TARBAY HOOKER.



GARFISH.
(*Belone vulgaris.*)

Time of spawning—Spring.
Number of eggs—500.
When caught—Chiefly in summer among mackerel.
How caught—By hook and nets.
Bait—White rag or anything glittering.
Food—Shrimp, small fish, &c.

Size—18 to 24 ins.
Weight—2 to 4 lbs.
Quality—Good flavoured, resembling mackerel.
When in season—October to May.
Remarks—The Garfish also called mackerel guide. Back bone green but not poisonous.

General distribution—
Where caught in abundance—
Spawning localities—

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.



YARMOUTH DRIFT BOAT.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Næs
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Cromarty
Inverness
Buckie
Banff
Macduff
Fraserburgh
Rimmavis Pt.
Peterhead
Buchanness
Balmacara
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Ale Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Dunbar
St Abbs H.
Eyemouth
Berwick
EDINBURGH
Leith
Granton
Glasgow
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Gloucester
Cardiff
Newport
Riv. Severn
Bristol
BRISTOL CHANNEL
Lundy Id.
Barnstaple
Bideford
Hartland Pt
Padstow
St Ives
Lands End
Longships
Penzance
Helford
Newquay
Fowey
Plymouth
Dartmouth
Brixham
Exmouth
Teignmouth
Stone Rocks
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Cowes
Littlehampton
Brighton
Newhaven
Beachy Hd
Rye
Dungeness
Folkestone
Deal
Dover
Ramsgate
North Foreland
Whitstable
Faversham
Rochester
Gravesend
LONDON
Maldon
Colchester
Ipswich
Harwich
Woodbridge
Orford Ness
Aldboro
Yarmouth
Lowestoft
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Boston
Ramsey
Douglas
Castletown
Blue Mans
IRELAND
Donaghadee
Strangford
Larne
Portpatrick
Wigtown
Stranraer
Arran
Campbeltown
Cantyre
Islay
Jura
Mull
Oban
Tiree
Barra
Lewis
Harris
Skye
Lochalsh
Loch Broom
Loch Ewe
Gairloch
Stornoway
Shiant Is.
Rona
Sula Sgeir
Flannan Is.
North Uist
Benbecula
South Uist
Barra Hd
Hebrides
Outer Hebrides
Minch
Little Minch
Sea of the Hebrides
Firth of Clyde
Firth of Lorn
Sound of Mull
Sound of Islay
North Channel
St. George's Channel
IRISH SEA
ENGLISH CHANNEL
Alderney
Guernsey
C. Barfleur
Cape La Hague
Havre
Fecamp
Dieppe
Abbeville
Montreal
Boulogne
C. Grisnez
Calais
Gravelines
Dunkirque
FRANCE
BELGIUM
Ostend
Antwerp
Bergen
Rotterdam
HOLLAND
AMSTERDAM
Canal
Elburg
ZUIDER ZEE
Texel
Helder
Workum
Harlingen
Terschelling
Ameland
Nordeney
Ems R.
Emden
OLDENBURG
Groningen
GERMANY
Weser R.
HANOVER
Bremen
Cuxhaven
Elbe R.
Heligoland
Friedrichstadt
Romo
Sylt I.
Fano
Homstreed
Blaavand Pt
Ringkiobing
JUTLAND
Lemvig
Skive
Hantsholmen
DENMARK
GREAT FISHER BANK
DOGGER BANK

General distribution—

Where caught in abundance—

Spawning localities—



SCAD, or HORSE MACKEREL.

(*Scomber trachurus.*)

Time of Spawning—Spring.
Number of eggs—79,600.
When caught—Summer months.
How caught—By hook and in drift nets.
Bait—Herrings chiefly.
Food—Herring fry, sandlaunce and crustaceans.

Size—12 to 15 and even 18 ins.
Weight—From 1 to 2 lbs. to 6 lbs.
Quality—Very coarse.
When in season—April to September.
Remarks—The Scad, or Horse Mackerel, is a migratory fish and follows the herring along the coasts.

COMPILED & PUBLISHED BY O.T. OLSEN F.L.S. F.R.G.S.

HANHART LITH LONDON.

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Frith
Cromarty
Inverness
Buckie
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Ness
Anstruther
Pittenweem
Kirkcaldy
May I.
Firth of Forth
Dunbar
St Abbs H.
Eyemouth
Berwick
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Spurn
Hull
R. Humber
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldboro
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Beachy Hd
Eastbourne
Brighton
Shoreham
Littlehampton
Worthing
Southampton
Portsmouth
Cowes
I. of Wight
Poole
Weymouth
Portland
Lyme Regis
Bridport
Exmouth
Teignmouth
Dawlish
Torbay
Plymouth
Dartmouth
Brixham
Salcombe
Kingsbridge
Bantham
Mevagissey
Padstow
St Ives
Lands End
Penzance
Falmouth
Helston
Lizard
Bridgewater
Bideford
Barnstaple
Hartland Pt
Minehead
Watchet
Clevedon
Penarth
Cardiff
Newport
Riv. Severn
Gloucester
Bristol
Swansea
Llanelly
Carmarthen
Milford
St Davids Hd
Fishguard
Cardigan
Aberystwith
Barmouth
Aberdovey
Bardsey
Holyhead
Beaumaris
Bangor
Carnarvon
Chester
Rancorn
Liverpool
Preston
Fleetwood
Lancaster
Morecambe Bay
Whitehaven
St Bees Hd
Maryport
Workington
Carlisle
Dumfries
Stranraer
Port Patrick
Wigtown
Burrow Head
Campbell Town
Ayr
Troon
Ardrossan
Greenock
Clyde Firth
Glasgow
Grangemouth
Leith
EDINBURGH
Kirkcaldy
Pittenweem
Anstruther
Ness
Perth
Dundee
Arbroath
Montrose
Stonehaven
Aberdeen
Peterhead
Buchan Ness
Kinnaird's Hd
Fraserburgh
Macduff
Banff
Buckie
Inverness
Cromarty
Balmacara
Loch Shin
Mull of Cantyre
Lamlash
Brodick
Ramsey
Douglas
Castletown
Peel
Isle of Man
IRELAND
Larne
Donaghadee
Strangford
Wicklow
Arklow
Wexford
Tuskar
Waterford
Dungarvan
Youghal
Cork
Kinsale
Queenstown
Crookhaven
Bantry
Valentia
Dingle
Tralee
Limerick
Kilrush
Galway
Clifden
Slyne Hd
Inishbofin
Achill I.
Blacksod Bay
Broadhaven
Killala Bay
Sligo
Donegal
Lough Foyle
Londonderry
Lough Swilly
Malin Hd
Inishtrahull
Rathlin I.
Fair Hd
Ballycastle
Portrush
Coleraine
Portstewart
Belfast
Carrickfergus
Donaghadee
Strangford
Portaferry
Ardglass
Dundrum
Newcastle
Kilkeel
Warrenpoint
Newry
Carlingford
Dundalk
Drogheda
Balbriggan
Howth
Dublin
Kingstown
Wicklow
Arklow
Wexford
Tuskar
Waterford
Dungarvan
Youghal
Cork
Kinsale
Queenstown
Crookhaven
Bantry
Valentia
Dingle
Tralee
Limerick
Kilrush
Galway
Clifden
Slyne Hd
Inishbofin
Achill I.
Blacksod Bay
Broadhaven
Killala Bay
Sligo
Donegal
Lough Foyle
Londonderry
Lough Swilly
Malin Hd
Inishtrahull
Rathlin I.
Fair Hd
Ballycastle
Portrush
Coleraine
Portstewart
Belfast
Carrickfergus
Donaghadee
Strangford
Portaferry
Ardglass
Dundrum
Newcastle
Kilkeel
Warrenpoint
Newry
Carlingford
Dundalk
Drogheda
Balbriggan
Howth
Dublin
Kingstown

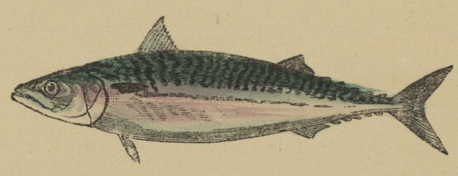
18° Variation
TRUE

GREAT FISHER BANK
DOGGER BANK

Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
Egersund
Arendal
Christiansand
Lister
Lindes Næs
Mandal
NORWAY
SKAGERAK
Hantsholmen
Lemvig
Skive
JUTLAND
Ringkiobing
Hornsreef
Blaavands Pt
Fano
Rome
Sylt I.
Heligoland
Friedrichstadt
DENMARK
Elbe R.
Cuxhaven
Weser R.
Norderney
HANOVER
Ameland
Terschelling
Ems R.
Emden
OLDENBURG
Groningen
GERMANY
Bremen
Harlingen
Texel
Helder
Workum
ZUIDER ZEE
Elburg
Genel
AMSTERDAM
HOLLAND
Rotterdam
Bergen
Antwerp
Ostend
BELGIUM
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
Dieppe
Fecamp
Havre
FRANCE
Alderney
Guernsey
C. Barfleur
Cape La Hague
ENGLISH CHANNEL
BRISTOL CHANNEL
ST GEORGES CHANNEL
WALES
ENGLAND
SCOTLAND

TARBAY HOOKER.

General distribution—
Where caught in abundance—
Spawning localities—Deep water.



MACKEREL.

(*Scomber scomber.*)

Time of spawning—June.
Number of eggs—546,600.
When caught—From January to August, even to December.
How caught—By drift nets and seines, and by railing.
Bait—A white rag, the belly part of mackerel, or anything glittering.
Food—Mackerel midge, minute creatures and medusæ.

Size—From 12 to 18 ins.
Weight—From 1½ to 3 lbs.
Quality—Much esteemed.
When in season—March to September.
Remarks—The Mackerel is a migratory fish and blind until the time of spawning, when it is readily caught by drift nets, after which time it can only be caught by hook. It is a great delicacy and comes within reach of rich and poor; as it is very tender it should not be kept over 48 hours after it is caught.

Meridian of Greenwich

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.



SEINE.

18° Variation

TRUE

SHETLAND ISLES

Lerwick

Fair I

ORKNEY ISLES

Kirkwall

Stromness

C. Wrath

Pentland Frith

Duncansby Head

Wicks

Lybster

Helmsdale

Ullapool

Cromarty

Murray Firth

Inverness

Buckie

Banff

Macduff

Fraserburgh

Kinnaird's Hd

Peterhead

Buchanness

Aberdeen

Stonehaven

Montrose

Arbroath

Dundee

Firth of Tay

Bell R.

Perth

Fife Ness

Anstruther

Pittenweem

Kirkcaldy

Firth of Forth

May I.

Glasgow

Greenock

Clyde Firth

Grangemouth

Leith

EDINBURGH

Dunbar

St Abbs H.

Eyemouth

Berwick

Holy I.

Farn I.

Coquet I.

Newbiggin

Blyth

Newcastle

Shields

Sunderland

Seaham

Hartlepool

Middlesbro

Staithes

Whitby

Scarboro

Filey

Flamborough H.

Bridlington

Goole

Hull

R. Humber

Spurn

GRIMSBY

Cleethorpes

Boston

WISBEACH

Lynn

Sheringham

Cromer

Winterton

Yarmouth

Lowestoft

Aldboro

Orford Ness

Woodbridge

Ipswich

Harwich

Colchester

Maldon

LONDON

Gravesend

Rochester

Faversham

Whitstable

North Foreland

Ramsgate

Deal

Dover

Folkestone

Dungeness

Rye

Beachy Hd

Brighton

Newhaven

Shoreham

Littlehampton

Bognor

Selsea

Chichester

Portsmouth

Southampton

Ports Mouth

Christchurch

Poole

Weymouth

Portland

Bridport

Lyme Regis

Exmouth

Teignmouth

Brixham

Dartmouth

Plymouth

Eddystone

Mevagissey

Falmouth

Helford

Penzance

St Ives

Lands End

Hartland Pt.

Bideford

Barnstaple

Bridgewater

Bristol

Cardiff

Barry

Pur. Serpent

Swansea

Mumbles

Carmarthen

Tenby

Milford

St Davids Hd

Fishguard

Cardigan

Aberystwith

Barmouth

Aberdovey

Bardsey

Beaumaris

Bangor

Carnarvon

Holyhead

Chester

Buncorn

Liverpool

Preston

Fleetwood

Lancaster

Morecambe Bay

Whitehaven

St Bees Hd

Workington

Maryport

Carlisle

Dumfries

Wigtown

Port Patrick

Stranraer

Troon

Ayr

Campbell Town

Cantyre

Greenock

Clyde Firth

Ireland

Londonderry

Larne

Douglas

Castletown

Ramsey

Isle of Man

Tralee

Dingle

Valentia

Kenmare

Bantry

Cork

Youghal

Waterford

Wexford

Arklow

Dublin

Drogheda

Carlingford

Strangford

Belfast

Donaghadee

Portpatrick

Kirkcudbright

Wigtown

Whithorn

Isle of Whithorn

Burrow Head

Mull Pt.

Oban

Lismore

Tobermory

Loch Sunart

Loch Linnhe

Loch Leven

Loch Etive

Loch Creran

Loch Fyne

Loch Long

Loch Lomond

Loch Tay

Loch Rannoch

Loch Ness

Loch Lochy

Loch Oich

Loch Arkaig

Loch Shiel

Loch Eil

Fort William

Loch Linnhe

Loch Leven

Loch Etive

Loch Creran

Loch Fyne

Loch Long

Loch Lomond

Loch Tay

Loch Rannoch

Loch Ness

Loch Lochy

Loch Oich

Loch Arkaig

Loch Shiel

Loch Eil

Fort William

Lismore

Tobermory

Loch Sunart

THE PISCATORIAL ATLAS.



TENBY BOAT.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Kirkwall
Pentland Frith
C. Wrath
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Inverness
Cromarty
Murray Firth
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Tay R.
Anstruther
Pittenweem
Kirkcaldy
Firth of Forth
May I.
Glasgow
Clyde Firth
Greenock
Grangemouth
Leith
EDINBURGH
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn I.
Coquet I.
Ardrossan
Troon
Ayr
Campbell Town
Dumfries
Carlisle
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Stathes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Maryport
Workington
Whitehaven
St Bees Hd
Morecambe Bay
Lancaster
Fleetwood
Preston
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpe
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Gloucester
Cardiff
Newport
Riv. Severn
Bristol
BRISTOL CHANNEL
Lundy Id.
Barnstaple
Bideford
Hartland Pt
Padstow
Falmouth
Plymouth
Dartmouth
Brixham
Exmouth
Teignmouth
Exe R.
Sidmouth
Lyme Regis
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Selsea Bill
Beachy Hd
Eastbourne
Brighton
Newhaven
Rye
Dungeness
Folkestone
Dover
Deal
Ramsgate
North Foreland
Margate
Sheerness
Rochester
Gravesend
LONDON
Maldon
Colchester
Harwich
Ipswich
Aldboro
Orford Ness
Woodbridge
Yarmouth
Lowestoft
Sheringham
Cromer
Winterton
WISBEACH
Lynn
Boston
Lincoln
Gainsboro
Doncaster
Leeds
Manchester
Liverpool
Preston
Lancaster
Morecambe Bay
Whitehaven
Carlisle
Dumfries
Glasgow
Edinburgh
Aberdeen
Inverness
Ullapool
Pentland Frith
Orkney Isles
Shetland Isles
Lerwick
Fair I
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
Egersund
Arendal
Christiansand
Lister
Lindes Noes
Mandal
NORWAY
SKAGERAK
Hantsholmen
Lemvig
Skive
JUTLAND
Ringkiobing
Thorsminde
Hvide Sand Pt
Fano
Romo
Sylt I.
Friedrichstadt
Heligoland
DENMARK
Elbe R.
Cuxhaven
Weser R.
Nordeney
HANOVER
Ems R.
Emden
OLDENBURG
Groningen
GERMANY
Bremen
Ameland
Terschelling
Harlingen
Workum
Texel
Helder
ZUIDER ZEE
Canal
Elburg
AMSTERDAM
HOLLAND
Rotterdam
Bergen
Ostend
Antwerp
BELGIUM
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
Dieppe
Fecamp
Havre
FRANCE
Cape la Hague
C. Barfleur
Alderney
Guernsey
ENGLISH CHANNEL
Lizard
Land's End
St Ives
Padstow
Falmouth
Mevagissey
Looe

THE PISCATORIAL ATLAS.



A WHITBY COBLE.



POLLACK.

(*Merlangus pollachius.*)

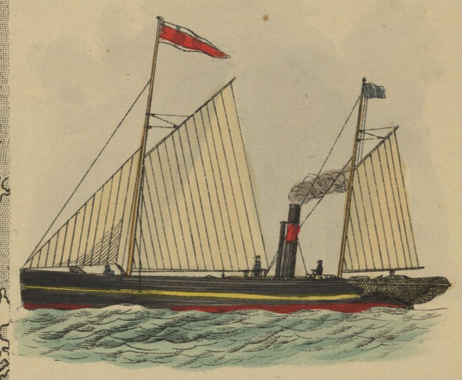
Time of spawning—January and February.
Number of eggs—350,000.
When caught—All the year round.
How caught—By hook and by trawl.
Bait—Herring and artificial fly.
Food—Small fish, sandlaunce, &c.

Size—12 to 34 ins.
Weight—12 to 24 lbs.
Quality—Good.
When in season—May to December.
Remarks—The Pollack is in greatest perfection for the table in the autumn. The flesh and skin make excellent soup.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON

THE PISCATORIAL ATLAS.



MODERN STEAM TRAWLER.
SCOTCH MODEL.



HADDOCK.
(*Gadus aglefinus.*)

Time of spawning—February, March and April.
Number of eggs—6,000,000.
When caught—All the year round.
How caught—By hook and trawl.
Bait—Herring, whelk, cuttle, mussel, &c.
Food—Herring, crabs, crustaceans, &c.

Size—Average 12 to 30 ins.
Weight—Average 2 to 8, greatest 16 lbs.
Quality—Excellent and very nutritious.
When in season—July to February.
Remarks—The Haddock is much esteemed smoked, if cured while fresh. Many thousands of both sexes find employment in the curing process in the smoke-houses.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON.

THE PISCATORIAL ATLAS.



ORKNEY FISHING BOAT.



COALFISH.

(*Merlangus carbonarius.*)

Time of spawning—Spring.
Number of eggs—1,000,300.
When caught—All the year.
How caught—By hook and by trawl.
Bait—Herring, whelk, mussel, &c.
Food—Herring, crustaceans and their own young.

Size—Average 3 ft. to 3 ft. 6 ins.
Weight—Average 25 lbs. to 35 lbs.
Quality—Coarse but good, firm and nutritious.
When in season—October to February.
Remarks—Nearly all writers differ as to the name of this fish, and a great variety of local names have been freely lavished upon it, too numerous to repeat here. This fishery admits of development.

General distribution—
Where caught in abundance—
Spawning localities—

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Pentland Frith
C. Wrath
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Fife Ness
Anstruther
Pittenweem
Kirkcaldy
Firth of Forth
May I.
Glasgow
Clyde Firth
EDINBURGH
Dunbar
St. Abbs Hd
Eyemouth
Berwick
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldboro
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Brighton
Newhaven
Beachy Hd
Portsmouth
I. of Wight
Cowes
Southampton
Weymouth
Portland
Poole
Lyme Regis
Bridport
Exmouth
Teignmouth
Torbay
Dartmouth
Plymouth
Hope's Nose
Mevagissey
Falmouth
Helford
Padstow
St. Ives
Land's End
Lizard
Start Pt.
Bolt Head
Salcombe
Hartland Pt.
Bideford
Barnstaple
Lundy Id.
Bridgewater
Bristol
Gloucester
Cardiff
Newport
Riv. Severn
Swansea
Llanelly
Carmarthen
Milford
St. Davids Hd
Fishguard
Cardigan
Aberystwith
Aberdovey
Barmouth
Pwllheli
Bardsey
Holyhead
Beaumaris
Bangor
Caernarvon
Chester
Liverpool
Runcorn
Preston
Fleetwood
Lancaster
Morecambe Bay
Whitehaven
Workington
Maryport
St. Bees Hd
Carlisle
Dumfries
Stranraer
Port Patrick
Wigtown
Campbell Town
Troon
Ayr
Greenock
Gourock
Loch Long
Dunoon
Arran
Ailsa
Mull
Oban
Loch Linnhe
Fort William
Ben Nevis
Inverness
Loch Ness
Loch Lochy
Loch Oich
Loch Arkaig
Loch Eil
Loch Shiel
Loch Sunart
Loch Moidart
Loch Nevis
Loch Hourn
Loch Alsh
Loch Carron
Loch Torridon
Loch Ewe
Loch Gairloch
Loch Broom
Loch Inver
Loch Assynt
Loch Eriboll
Tongue
Loch Erribol
Loch Naver
Loch Shin
Loch Fleet
Dornoch Firth
Cromarty Firth
Beauly Firth
Moray Firth
Buckie

THE PISCATORIAL ATLAS.



A GRIMSBY COD VESSEL.



COD.

(*Gadus morrhua.*)

Time of spawning—January, February and March.
Number of eggs—9,000,000.
When caught—At all times of the year.
How caught—By hook, trawl and trammel net.
Bait—Herring, pilchard, lamprey, whelk, mussel, &c.
Food—Small fish, crustaceans, mollusks, &c.

Size—3 to 4 ft.
Weight—30 to 40 lbs., largest 56 lbs.
Quality—Firm, nutritious and of excellent flavour.
When in season—October to February.
Remarks—The Cod is the best and most profitable commercial fish, either fresh, salt, dried, boiled, fried, stewed, &c., produces medicine oil, isinglass, manure, &c.

General distribution—
Where caught in abundance—
Spawning localities—

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON

THE PISCATORIAL ATLAS.

SHETLAND YAWL.

TUSK.

(*Brosmius vulgaris.*)

Time of spawning—April and May.
Number of eggs—32,300.
When caught—Chiefly winter months.
How caught—By hook, long line and hand line.
Bait—Herring, whelk and mussel.
Food—Crustaceans, herring, seaweed, &c.

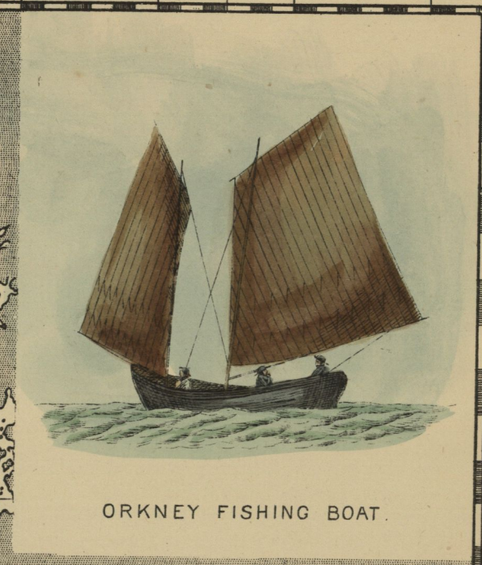
Size—From 2 to 3 and 3½ ft.
Weight—20 to 30 lbs.
Quality—Very good and firm.
When in season—November to February.
Remarks—The Tusk is a northern fish; its flesh is not inferior to the Cod. It is caught and cured in the same way as the Cod. The oil is said to be excellent for burns and scalds.

General distribution—
Where caught in abundance—
Spawning localities—

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.

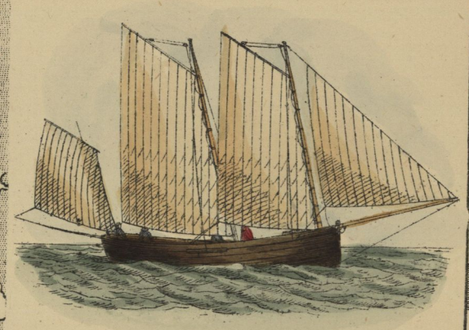


ORKNEY FISHING BOAT.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Kirkwall
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Cromarty
Inverness
Buckie
Banff
Macduff
Fraserburgh
Kinnairds Hd
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Tay Ness
Anstruther
Pittenweem
Kirkcaldy
May I.
Firth of Forth
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn Is
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldeburgh
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Beachy Hd
Eastbourne
Brighton
Shoreham
Littlehampton
Selsea Bill
Portsmouth
Southampton
Isle of Wight
Needles
Poole
Portland
Weymouth
Bridport
Lyme Regis
Exmouth
Teignmouth
Torbay
Brixham
Dartmouth
Plymouth
Mevagissey
Falmouth
Padstow
Hartland Pt
Bideford
Barnstaple
Bridgewater
Bristol
Gloucester
Cardiff
Newport
Riv. Severn
Swansea
Tenby
Carmarthen
Milford
St Davids Hd
Fishguard
Cardigan
Aberystwith
Aberdovey
Barmouth
Bardsey
Carnarvon
Bangor
Beaumaris
Holyhead
Chester
Bancorn
Liverpool
Preston
Fleetwood
Lancaster
Morecambe Bay
Castletown
Douglas
Ramsey
Whitehaven
St Bees Hd
Maryport
Workington
Carlisle
Dumfries
Stranraer
Port Patrick
Wigtown
Ayr
Troon
Campbell Town
Ardrossan
Clyde Firth
Greenock
Glasgow
Grangemouth
Leith
EDINBURGH
Tof Shin
Balmacara
Mull
Tobermory
Ardnamurchan Pt
Barra Hd
Lewis
Shetland Is
Orkney Is
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Cromarty
Inverness
Buckie
Banff
Macduff
Fraserburgh
Kinnairds Hd
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Tay Ness
Anstruther
Pittenweem
Kirkcaldy
May I.
Firth of Forth
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn Is
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldeburgh
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Beachy Hd
Eastbourne
Brighton
Shoreham
Littlehampton
Selsea Bill
Portsmouth
Southampton
Isle of Wight
Needles
Poole
Portland
Weymouth
Bridport
Lyme Regis
Exmouth
Teignmouth
Torbay
Brixham
Dartmouth
Plymouth
Mevagissey
Falmouth
Padstow
Hartland Pt
Bideford
Barnstaple
Bridgewater
Bristol
Gloucester
Cardiff
Newport
Riv. Severn
Swansea
Tenby
Carmarthen
Milford
St Davids Hd
Fishguard
Cardigan
Aberystwith
Aberdovey
Barmouth
Bardsey
Carnarvon
Bangor
Beaumaris
Holyhead
Chester
Bancorn
Liverpool
Preston
Fleetwood
Lancaster
Morecambe Bay
Castletown
Douglas
Ramsey
Whitehaven
St Bees Hd
Maryport
Workington
Carlisle
Dumfries
Stranraer
Port Patrick
Wigtown
Ayr
Troon
Campbell Town
Ardrossan
Clyde Firth
Greenock
Glasgow
Grangemouth
Leith
EDINBURGH
Tof Shin
Balmacara
Mull
Tobermory
Ardnamurchan Pt
Barra Hd
Lewis
Shetland Is
Orkney Is
Kirkwall
C. Wrath

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Kirkwall
Pentland Frith
C. Wrath
Duncansby Head
Wick
Lybster
Ullapool
Murray Frith
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Anstruther
Pittenweem
Kirkcaldy
Firth of Forth
May I.
Glasgow
Clyde
Firth
Greenock
Ayr
Campbell Town
Dumfries
Stranraer
Port Patrick
Wigtown
Carlisle
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Hull
R. Humber
GRIMSBY
Cleethorpes
Spurn
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldeburgh
Orford
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Hastings
Brighton
Newhaven
Beachy Hd
Portsmouth
I. of Wight
Southampton
Poole
Weymouth
Portland
Lyme Regis
Bridport
Exmouth
Teignmouth
Brixham
Torbay
Dartmouth
Plymouth
Mevagissey
Fowey
Falmouth
Truro
Padstow
St Ives
Lands End
Penzance
Lizard
Barnstaple
Bideford
Hartland Pt
Bridgewater
Minehead
Cardiff
Newport
Bristol
Gloucester
Tenby
Milford
Fishguard
St Davids Hd
Carmarthen
Llanelly
Swansea
Aberystwith
Aberdovey
Barmouth
Cardigan
Pwllheli
Bardsey
Holyhead
Beaumaris
Bangor
Carnarvon
Chester
Liverpool
Rancorn
Morecambe Bay
Lancaster
Fleetwood
Preston
Barrow
Whitehaven
St Bees Hd
Maryport
Workington
Carlisle
Ramsey
Douglas
Castletown
Isle of Man
Longford
Donaghadee
Newry
Larne
Campbeltown
Ardrossan
Troon
Girvan
Portpatrick
Wigtown
Stranraer
Cantyre
Islay
Jura
Colonsay
Oronsay
Mull
Tiree
Skye
Loch Carron
Balmacara
Inverness
Tarbet Ness
Cromarty
Dornoch
Wick
Helmsdale
Ullapool
Stornoway
Lewis
Harris
North Uist
South Uist
Barra
Benbecula
Rockall
Faroe Islands
Thorshavn
Suderoe
Sandoe
Stromoe
Bergen
Kors Fiord
Bergen Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
Egersund
NORWAY
Arendal
Christiansand
Lister
Lindes Naes
Mandal
SKAGERAK
Hantsholmen
Lemvig
Skive
JUTLAND
Ringkiobing
Hvingsted
Blaavand Pt
Fano
Romo
Syit I.
Friedrichstadt
Heligoland
Elbe R.
Cuxhaven
Wesel R.
Norderney
Emden
Ems R.
OLDENBURG
HANOVER
GERMANY
DENMARK
Terschelling
Amelland
Texel
Helder
Harlingen
Groningen
Workum
Bremen
ZUIDER ZEE
Canal
Elburg
AMSTERDAM
HOLLAND
Rotterdam
Berger
Ostend
Antwerp
BELGIUM
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
Dieppe
Fecamp
Havre
FRANCE
Alderney
Guernsey
Cape la Hague
C. Bardleur
ENGLISH CHANNEL
BRISTOL CHANNEL
IRELAND
ST GEORGES CHANNEL
SCOTLAND
WALES
ENGLAND
GREAT FISHER BANK
DOGGER BANK
18° Variation
TRUE



GURNSEY BOAT.

General distribution—
Where caught in abundance—
Spawning localities—



CONGER.
(*Conger vulgaris.*)

Time of spawning—December and January.
Number of eggs—15,000,000.
When caught—All the year.
How caught—By hook and by the trawl.
Bait—Herring, pilchard, cuttle, whelk and sandlaunce.
Food—Small fish, crustaceans and their own young.

Size—Average 5 ft. to 10 ft.
Weight—86, 100 and 130 lbs.
Quality—Wholesome, much used by the poorer class.
When in season—March to October.
Remarks—The Conger is very voracious, will attack man in the water, is very prolific, and its young furnish a great amount of food for other fish. It is also used for isinglass.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

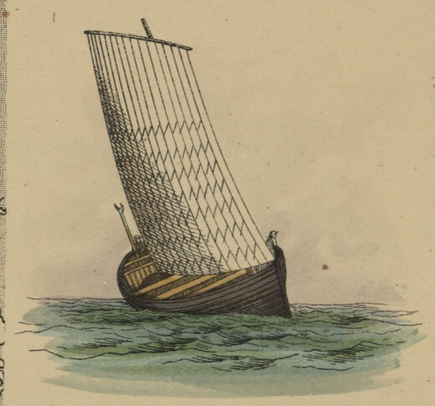
HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.



SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Kirkwall
Stromness
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Hebrides
Ullapool
Inverness
Cromarty
Murray Firth
Banff
Macduff
Fraserburgh
Rinnairds Pt.
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Tay R.
Ore Ness
Anstruther
Pittenweem
Kirkcaldy
Firth of Forth
May I.
Dunbar
St Abbs H.
Eyemouth
Berwick
EDINBURGH
Leith
Granton
Glasgow
Clyde
Firth
Greenock
Ardrossan
Troon
Ayr
Campbell Town
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough H.
Bridlington
Gvole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldboro
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Brighton
Newhaven
Beachy Hd.
Southampton
Portsmouth
Cowes
I. of Wight
Poole
Weymouth
Portland
Lyme Regis
Bridport
Teignmouth
Exeter
Dawlish
Torquay
Plymouth
Dartmouth
Hayle
Penzance
St. Ives
Lands End
Falmouth
Helford
Looe
Fowey
Lizard
Padstow
Ilfracombe
Barnstaple
Bideford
Hartland Pt.
Minehead
Watchet
Bridgewater
Bristol
Gloucester
Cardiff
Newport
Riv. Severn
Swansea
Carmarthen
Llanelly
Milford
St. Davids Hd.
Fishguard
Cardigan
Aberystwith
Aberdovey
Barmouth
Bardsey
Holyhead
Beaumaris
Bangor
Carnarvon
Chester
Liverpool
Runcorn
Preston
Fleetwood
Lancaster
Morecambe Bay
Maryport
Workington
Whitehaven
St. Bees Hd.
Carlisle
Dumfries
Stranraer
Port Patrick
Wigtown
Douglas
Ramsey
Castletown
Calf of Man
Peel
Douglas
Port Erin
Castletown
Ramsey
Laxey
Douglas
Peel
Port St. Mary
Port Erin
Castletown
Ramsey
Douglas
Laxey

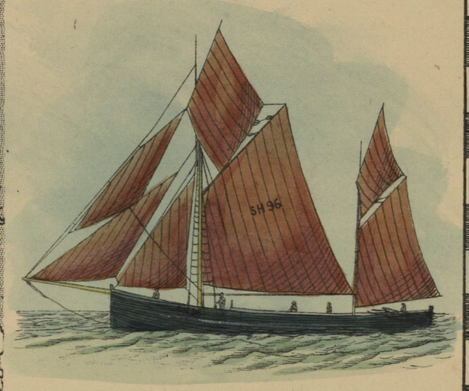
THE PISCATORIAL ATLAS.



KEEL BOAT HOLY ISLE.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Kirkwall
Stromness
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Cromarty
Murray Frith
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Fife Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Staithes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldeburgh
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Beachy Hd
Brighton
Newhaven
Shoreham
Littlehampton
Selsea Bill
Portsmouth
Southampton
Lymington
Yarmouth
I. of Wight
Poole
Weymouth
Portland
Bridport
Lyme Regis
Exmouth
Dawlish
Teignmouth
Brixham
Torquay
Plymouth
Dartmouth
Start Pt
Hope's Nose
Torbay
Salcombe
Prawle Pt
Bolt Head
Kingsbridge
Dodman Pt
Mevagissey
Fowey
Looe
Polperro
Eddystone
Rame Hd
Penlee Pt
Mount's Bay
Penzance
Newlyn
St Ives
Lands End
Pendeen
Hartland Pt
Bideford
Barnstaple
Bridgewater
Bristol
Avonmouth
Gloucester
Tiv. Severn
Cardiff
Newport
Barry
Swansea
Llanelly
Carmarthen
Milford
St Davids Hd
Fishguard
Cardigan
Aberystwith
Aberdovey
Barmouth
Beaumaris
Bangor
Carnarvon
Holyhead
Bardsey
Liverpool
Runcorn
Chester
Preston
Fleetwood
Lancaster
Morecambe Bay
Whitehaven
Workington
Maryport
St Bees Hd
Carlisle
Dumfries
Wigtown
Stranraer
Port Patrick
Mull of Galloway
Ayr
Troon
Campbell Town
Ardrossan
Irvine
Greenock
Clyde Firth
Glasgow
Granton
Leith
EDINBURGH
Mull of Kintyre
Islay
Balmacara
Lochinver
Ullapool
Ramsey
Douglas
Castletown
Peel
Laxey
Douglas
Port Erin
Castletown
Calf of Man
Ireland's Eye
Howth
Dublin
Skerries
Arklow
Wicklow
Carnsore Pt
Tuskar
Rosslare
Hook Hd
Waterford
Dungarvan
Youghal
Ballycotton
Cork
Kinsale
Old Head of Kinsale
Crookhaven
Mizen Hd
Bantry
Dursey I.
Valentia
Dingle
Tralee
Fenit
Kerry Hd
Loop Hd
Kilrush
Scattery I.
Limerick
Foynes
Galway
Aran Is.
Slyne Hd
Clifden
Inishbofin
Achill I.
Blacksod Bay
Broadhaven
Belmullet
Killala
Sligo
Donegal
Rathlin I.
Fair Hd
Larne
Belfast
Donaghadee
Strangford
Carlingford
Dundalk
Drogheda
Balbriggan
Howth
Dublin
Kingstown
Wicklow
Arklow
Rosslare
Tuskar
Waterford
Youghal
Cork
Kinsale
Crookhaven
Bantry
Valentia
Dingle
Tralee
Fenit
Limerick
Foynes
Galway
Aran Is.
Slyne Hd
Clifden

THE PISCATORIAL ATLAS.



SCARBORO TRAWLER.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Nœs
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Frith
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchanness
Inverness
Balmacara
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Dunbar
St Abbs H.
Eyemouth
Berwick
EDINBURGH
Glasgow
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro'
Whitby
Scarboro'
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Gloucester
Cardiff
Newport
Riv. Severn
Bristol
BRISTOL CHANNEL
Lundy Id.
Barnstaple
Bideford
Hartland Pt
Bridgewater
Plymouth
Dartmouth
Brixham
Exmouth
Dawlish
Teignmouth
Torbay
Start Pt
Salcombe
Bolt Head
Prawle Pt
Padstow
Hayle
Penzance
St Ives
Land's End
Runnelstone
Mevagissey
Looe
Falmouth
Lizard
Portland
Weymouth
Poole
Southampton
Portsmouth
Isle of Wight
Cowes
Selsea Bill
Brighton
Newhaven
Beachy Hd
Hastings
Rye
Dungeness
Folkestone
Dover
Deal
Ramsgate
North Foreland
Margate
Sheerness
Rochester
Faversham
Whitstable
Gravesend
LONDON
Maldon
Colchester
Harwich
Ipswich
Aldborough
Orford Ness
Woodbridge
Yarmouth
Lowestoft
Sheringham
Cromer
Winterton
Lynn
WISBEACH
Boston
Guernsey
Alderney
C. Barfleur
Cape La Hague
Havre
Fecamp
Dieppe
Abbeville
Montreal
Boulogne
C. Grisnez
Calais
Gravelines
Dunkirque
FRANCE
ENGLISH CHANNEL
ST GEORGES CHANNEL
IRELAND
Howth
Dunleary
Greenore
Wicklow
Arklow
Courtmacsherry
Cork
Youghal
Dungarvan
Tramore
Waterford
Dunmore
Hook Pt
Tuskar
Wexford
Arklow
Greystones
Kingstown
Dublin
Drogheda
Carlingford
Strangford
Portaferry
Donaghadee
Belfast
Larne
Portpatrick
Wigtown
Campbeltown
Ardnamurchan Pt
Mull
Oban
Lismore
Sound of Mull
Balnacara
Loch Carron
Loch Broom
Ullapool
Cape Wrath
Stornoway
Lewis
Harris
North Uist
South Uist
Barra
Benbecula
Skye
Loch Maddy
Tobermory
Islay
Jura
Colonsay
Rhinns of Islay
Mull
Iona
Staffa
Tiree
Coll
Barra Hd
Rockall
GREAT FISHER BANK
DOGGER BANK
Hantshalmen
Leanig
Skare
JUTLAND
Ringkiobing
Blaavand Pt
Homsreef
Fano
Romo
Sylt I.
Heligoland
Friedrichstadt
DENMARK
Elbe R.
Cuxhaven
Wesser R.
HANOVER
Nordeney
Ameland
Terschelling
Ems R.
Emden
OLDENBURG
Groningen
GERMANY
Bremen
Harlingen
Texel
Helder
Workum
ZUIDER ZEE
Ijssel
Elburg
AMSTERDAM
HOLLAND
Rotterdam
Bergen
Antwerp
Ostend
BELGIUM
Meridian Of Greenwich

General distribution—

Where caught in abundance—

Spawning localities—



STURGEON.

(*Acipenser sturio.*)

Time of spawning—Unknown.

Number of eggs—Unknown.

When caught—All the year round.

How caught—By hook, and by trawl, seine and trammel.

Bait—Whelk and lamprey.

Food—Sea worms and vegetable matter.

Size—6 to 8 ft., 11 ft. 4 ins.

Weight—50 to 100 lbs., 623 lbs.

Quality—In highest esteem, unrivalled.

When in season—February to September.

Remarks—The Sturgeon was considered a royal fish. It is very scarce, and ought to be cultivated in British waters by artificial hatching.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
IRISH FISHING BOAT.
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Næs
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Fife Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Glasgow
Greenock
Clyde Firth
Grangemouth
Leith
EDINBURGH
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I.
Farn I.
Coquet I.
Ardrossan
Troon
Ayr
Campbell Town
Dumfries
Stranraer
Port Patrick
Wigtown
Carlisle
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Staithes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Marsport
Workington
Whitehaven
St Bees Hd
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpe
Liverpool
Runcorn
Holyhead
Beaumaris
Ranger
Carnarvon
Bardsey
Chester
Barmouth
Aberdovey
Aberystwith
Cardigan
Fisgard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Gloucester
Cardiff
Newport
Riv. Severn
Bristol
BRISTOL CHANNEL
Lundy Id.
Barnstaple
Bideford
Hartland Pt.
Bridgewater
Ilfracombe
Exmouth
Teignmouth
Lyme Regis
Portland
Weymouth
Poole
Southampton
Portsmouth
Isle of Wight
Littlehampton
Shoreham
Brighton
Newhaven
Beachy Hd.
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Padstow
St Ives
Lands End
Mevagissey
Falmouth
Fowey
Plymouth
Dartmouth
Torquay
Brixham
Start Pt.
Lizard
ENGLISH CHANNEL
Alderney
Guernsey
C. Barfleur
Cape la Hague
Dieppe
Fecamp
Havre
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
FRANCE
GREAT FISHER BANK
DOGGER BANK
Hantsholmen
Lemvig
Skive
JUTLAND
Ringkiobing
Hornsyrev
Blaavand Pt.
Fano
Romo
Syltl.
Heligoland
Friedrichstadt
Elbe R.
Cuxhaven
Weser R.
HANOVER
Nordeney
Emden
OLDENBURG
Bremen
Ameland
Terschelling
Ems R.
Harlingen
Groningen
Texel
Helder
Workam
ZUIDER ZEE
Elburg
Canal
AMSTERDAM
ROTTERDAM
Bergen
Ostend
Antwerp
BELGIUM
HOLLAND
DENMARK
GERMANY
SCOTLAND
IRELAND
WALES
ENGLAND
ST. GEORGES CHANNEL
Meridian Of Greenwich

General distribution—
Where caught in abundance—
Spawning localities— Mouths of rivers.



BASS.
(*Labrax lupus.*)

Time of spawning—Spring.
Number of eggs—140,000.
When caught—From May to October.
How caught—By trawl, seine and hook.
Bait—Herring, crab, cuttle and worms.
Food—Small fish and crustaceans.

Size—Average 12 to 18 ins., largest 2 ft. 9 ins.
Weight—10 to 15 lbs.; largest 28 lbs.
Quality—In great esteem.
When in season—May to December.
Remarks—The Bass was held in great esteem by the Romans.

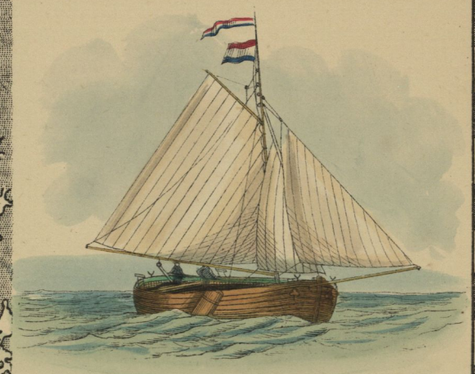
COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON

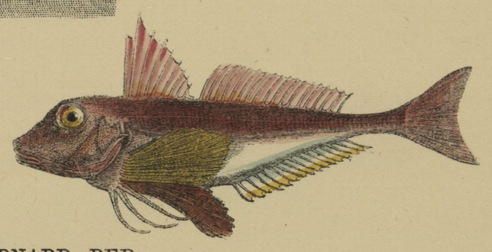
THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
LOWESTOFT TRAWLER
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Næs
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Glasgow
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Holyhead
Chester
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Swansea
Gloucester
Cardiff
Newport
Riv. Severn
Bristol
BRISTOL CHANNEL
Lundy Id.
Barnstaple
Bideford
Hartland Pt.
Bridgewater
Weymouth
Portland
Poole
Southampton
Portsmouth
Cowes
I. of Wight
Brighton
Beachy Hd.
Hastings
Dungeness
Rye
Folkestone
Dover
Deal
Ramsgate
North Foreland
Margate
Rochester
Sheerness
Gravesend
LONDON
Colchester
Malden
Ipswich
Harwich
Aldboro'
Orford
Woodbridge
Yarmouth
Lowestoft
Sheringham
Cromer
Winterton
Lynn
WISBEACH
Boston
GRIMSBY
Cleethorpes
Goole
R. Humber
Hull
Filey
Scarboro'
Flamborough Hd
Bridlington
Whitby
Hartlepool
Middlesbro'
Seaham
Sunderland
Newcastle
Shields
Blyth
Newbiggin
Coquet I.
Farn I.
Holy I.
Berwick
Eyemouth
St Abbs Hd
Dunbar
EDINBURGH
Leith
Granton
Queensferry
Alloa
Stirling
Tarbert
Campbeltown
Islay
Loch Indaal
Ireland
Donaghadee
Larne
Stranraer
Port Patrick
Wigtown
Gt. Britain
Calf of Man
Douglas
Ramsey
Peel
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey

THE PISCATORIAL ATLAS.



A DUTCH FISHING BOAT.



GURNARD, RED.

(*Trigla cuculus.*)

Time of spawning—May and June.
Number of eggs—7,300.
When caught—All the year round.
How caught—By hook and by the beam trawl.
Bait—Whelk, lamprey, herring and sandlaunce.
Food—Crustaceans and small fry.

Size—12 to 14 ins.
Weight—1 to 2 lbs.
Quality—Very good.
When in season—October to March.
Remarks—This fish has a variety of local names, one of which is particularly appropriate—viz., *Soldier*—not only on account of its colour (red) but also of its armour.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.



FRENCH FISHING BOAT.

18° Variation

TRUE

SHETLAND ISLES

Lerwick

Fair I

ORKNEY ISLES

Pentland Frith

C. Wrath

Duncansby Head

Wick

Lybster

Helmsdale

Ullapool

Murray Frith

Inverness

Banff

Macduff

Fraserburgh

Kinnaird's Hd

Peterhead

Buchanness

Aberdeen

Stonehaven

Montrose

Arbroath

Dundee

Firth of Tay

Bell R.

Perth

Fife Ness

Anstruther

Pittenweem

Kirkcaldy

Firth of Forth

May I.

Mull of Kintyre

Balmacara

Glasgow

Greenock

Clyde Firth

Ardrossan

Troon

Ayr

Campbell Town

Stranraer

Port Patrick

Wigtown

Dumfries

Carlisle

Maryport

Workington

Whitehaven

St Bees Hd

Ramsey

Douglas

Castletown

Morecambe Bay

Lancaster

Fleetwood

Preston

Liverpool

Runcorn

Holyhead

Beaumaris

Bangor

Carnarvon

Chester

Bardsey

Barmouth

Aberdovey

Aberystwith

Cardigan

Fishguard

St Davids Hd

Milford

Carmarthen

Llanelly

Swansea

Cardiff

Newport

Riv. Severn

Gloucester

Bristol

BRISTOL CHANNEL

Lundy Id

Barnstaple

Bideford

Hartland Pt

Padstow

Plymouth

Brixham

Dartmouth

Start Pt

Teignmouth

Dawlish

Exeter

Lyme Regis

Bridport

Portland

Weymouth

Poole

Southampton

Portsmouth

Isle of Wight

Cowes

Littlehampton

Shoreham

Brighton

Newhaven

Beachy Hd

Rye

Dungeness

Folkestone

Deal

Dover

Ramsgate

North Foreland

Margate

Faversham

Rochester

Gravesend

LONDON

Maldon

Colchester

Ipswich

Harwich

Aldeburgh

Orford Ness

Woodbridge

Yarmouth

Lowestoft

Sheringham

Cromer

Winterton

WISBEACH

Lynn

Boston

Grimsby

Cleethorpes

Goole

Hull

R. Humber

Spurn

Scarboro

Filey

Flamborough Hd

Bridlington

Whitby

Staithes

Middlesbro

Hartlepool

Seaham

Sunderland

Newcastle

Shields

Blyth

Newbiggin

Coquet I.

Farn Is.

Holy I.

EDINBURGH

Leith

Granton

Dunbar

St Abbs Hd

Eyemouth

Berwick

Tweed

Forth

Isle of May

Tay

Montrose

Arbroath

Buchanness

Peterhead

Fraserburgh

Banff

Macduff

Kinnaird's Hd

Inverness

Murray Firth

Cromarty

Buckie

Lofoten Is.

Balmacara

Mull of Kintyre

Ullapool

Stornoway

Lewis

Harris

Uist

Barra

Tiree

Coll

Islay

Jura

Colonsay

Oronsay

Campbell Town

Arran

Ailsa Craig

Ireland's Eye

Howth

Dublin

Wicklow

Arklow

Wexford

Tuskar Rock

Carnsore Pt

Waterford

Dungarvan

Youghal

Cork

Kinsale

Old Head of Kinsale

Clear C.

Fastnet

Crookhaven

Baltimore

Bantry

Dursey I.

Valentia

Dingle

Tralee

Brandon Hd

Blasket Is.

Slyne Hd

Aran Is.

Galway

Kilkieran

Clifden

Roundstone

Inishbofin

Achill Hd

Clew Bay

Westport

Killala

Sligo

Donegal

Rathlin I.

Fair Hd

Belfast

Strangford

Carlingford

Dundalk

Drogheda

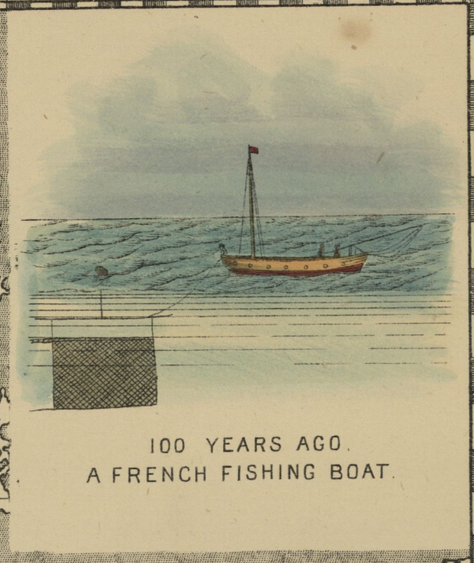
Skerries

Howth

Dublin

Kingstown

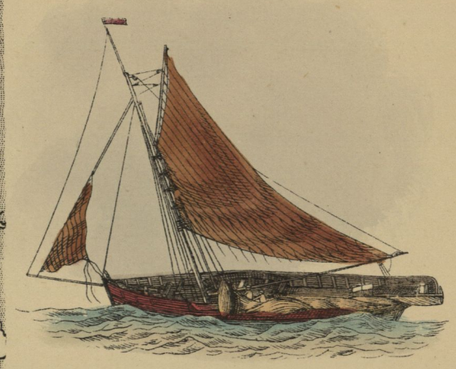
THE PISCATORIAL ATLAS.



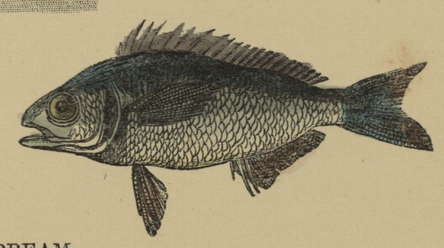
100 YEARS AGO.
A FRENCH FISHING BOAT.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Pentland Frith
C. Wrath
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Cromarty
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Fife Ness
Anstruther
Pittenweem
Kirkcaldy
May I.
Firth of Forth
Glasgow
Greenock
Clyde
Firth
Ardrossan
Troon
Ayr
Campbell Town
Stranraer
Port Patrick
Wigtown
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Holyhead
Beaumaris
Carnarvon
Bangor
Chester
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Tenby
Swansea
Cardiff
Newport
Burry Stream
Gloucester
Bristol
BRISTOL CHANNEL
Lundy Id
Barnstaple
Bideford
Hartland Pt
Bridgewater
Dunnet Head
Berriedale
Tarbet
Ullapool
Loch Broom
Gairloch
Loch Ewe
Stornoway
Lewis
Harris
Uist
Barra
Skye
Loch Carron
Loch Torridon
Loch Inver
Loch Eriboll
Tongue
Kyle of Sutherland
Cromarty
Inverness
Loch Ness
Fort Augustus
Fort William
Oban
Mull
Islay
Jura
Loch Fyne
Loch Long
Loch Lomond
Greenock
Clyde
Firth
Ardrossan
Troon
Ayr
Campbell Town
Arran
Ailsa Craig
Stranraer
Port Patrick
Wigtown
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Holyhead
Beaumaris
Carnarvon
Bangor
Chester
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Tenby
Swansea
Cardiff
Newport
Burry Stream
Gloucester
Bristol
BRISTOL CHANNEL
Lundy Id
Barnstaple
Bideford
Hartland Pt
Bridgewater
Lynmouth
Ilfracombe
Padstow
Falmouth
Plymouth
Dartmouth
Brixham
Exmouth
Dawlish
Teignmouth
Torbay
Dartmouth
Start Pt
Bridport
Lyme Regis
Portland
Weymouth
Poole
Swanage
Needles
I. of Wight
Cowes
Southampton
Portsmouth
Selsey Bill
Brighton
Newhaven
Beachy Hd
Hastings
Rye
Dungeness
Folkestone
Dover
Deal
Ramsgate
North Foreland
Margate
Whitstable
Faversham
Rochester
Gravesend
LONDON
Maldon
Colchester
Ipswich
Harwich
Woodbridge
Orford
Aldeburgh
Lowestoft
Yarmouth
Winterton
Cromer
Sheringham
Wisbeach
Lynn
Boston
GRIMSBY
Cleethorpes
R. Humber
Goole
Hull
Bridlington
Flamborough Hd
Filey
Scarboro
Whitby
Staithes
Middlesbro
Hartlepool
Seaham
Sunderland
Newcastle
Shields
Blyth
Newbiggin
Coquet I.
Holy I.
Farn I.
Berwick
Eyemouth
St Abbs H.
Dunbar
Granton
Leith
EDINBURGH
Firth of Forth
Kirkcaldy
Pittenweem
Anstruther
Fife Ness
Perth
Dundee
Arbroath
Montrose
Stonehaven
Aberdeen
Peterhead
Buchan Ness
Fraserburgh
Kinnaird's Hd
Banff
Macduff
Cromarty
Murray Firth

THE PISCATORIAL ATLAS.



BRIXHAM TRAWLER.



BREAM.

(*Pagellus centrodontus.*)

Time of spawning—Beginning of winter.

Number of eggs—4,000.

When caught—All the spring, summer and autumn.

How caught—By hook, by trawl and by seines.

Bait—Sand eels, worms, salt anchovy, &c.

Food—Sprat, herring, pilchard, crustaceans, &c.

Size—About 14 ins.

Weight—8 lbs.

Quality—Good.

When in season—May to December.

Remarks—The Bream is not caught in great abundance; it is cheap, and consequently may be considered a poor man's fish.

General distribution—

Where caught in abundance—

Spawning localities—

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
SWEDISH BOAT
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Noes
SKAGERAK
GREAT FISHER BANK
DOGGER BANK
Hantshulmen
Lemvig
Skive
JUTLAND
Ringkobing
Blaavand Pt
Hornsreef
Fano
Rono
Syl t I.
DENMARK
Friedrichstadt
Heligoland
Elbe R.
Cuxhaven
Weser R.
Nordeney
HANOVER
Emden
OLDENBURG
Ems R.
Ameland
Terschelling
Groningen
Hartingen
GERMANY
Bremen
Texel
Helder
Worksm
ZUIDER ZEE
Elburg
AMSTERDAM
HOLLAND
Rotterdam
Bergen
Antwerp
Ostend
BELGIUM
Dunkarque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
Dieppe
Fecamp
Havre
FRANCE
Ullapool
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Ru Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Glasgow
Clyde Firth
Greenock
Granton
Leith
EDINBURGH
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Stuithes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldborough
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Beachy Hd
Brighton
Newhaven
Shoreham
Littlehampton
Portsmouth
I. of Wight
Southampton
Weymouth
Poole
Portland
Lyme Regis
Bridport
Seaton
Exmouth
Teignmouth
Torbay
Dartmouth
Plymouth
Brixham
Mevagissey
Fowey
Falmouth
Penzance
St Ives
Land's End Hd
Lizard
Start Pt
Hartland Pt
Ilfracombe
Barnstaple
Bideford
Bridgewater
Minehead
Watchet
Burnham
BRISTOL CHANNEL
Lundy I
Tenby
Milford
St Davids Hd
Fishguard
Cardigan
Carmarthen
Swansea
Llanelly
Cardiff
Newport
Riv. Severn
Gloucester
Bristol
Aberystwith
Aberdovey
Barmouth
Bardsey
Beaumaris
Bangor
Carnarvon
Holyhead
Liverpool
Bancorn
Preston
Fleetwood
Lancaster
Morecambe Bay
Whitehaven
St Bees Hd
Workington
Maryport
Carlisle
Dumfries
Port Patrick
Stranraer
Wigtown
Ayr
Campbell Town
Tarbert
Arran
Cantyre
Greenock
Clyde Firth
Ailsa
Mull
Balmacara
Tobermory
Inverness
Buckie
Cromarty
Tarbet Ness
Ramsey
Douglas
Castletown
Isle of Man
IRELAND
Donaghadee
Greenore
Larne
ST GEORGE'S CHANNEL
ENGLISH CHANNEL
Alderney
Guernsey
C. Barfleur
Cape de la Hague
SCOTLAND
WALES
ENGLAND
Meridian of Greenwich
General distribution—
Where caught in abundance—
Spawning localities—

WRASSE.
(*Labrus maculatus.*)

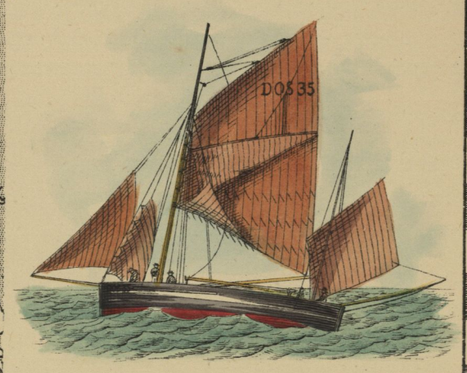
Time of spawning—March and April.
Number of eggs—3,000.
When caught—All the year round.
How caught—By hook.
Bait—Crab and worms.
Food—Crab and crustaceans.

Size—6 and 12 inches to 18 and 24 ins.
Weight—2 to 3 lbs., largest 8 lbs.
Quality—Soft, not much esteemed.
When in season—May to December.
Remarks—The Wrasse is a very gorgeously coloured fish, of which there are numerous species; they inhabit rocky coasts, and make good sport for the angler.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON

THE PISCATORIAL ATLAS.

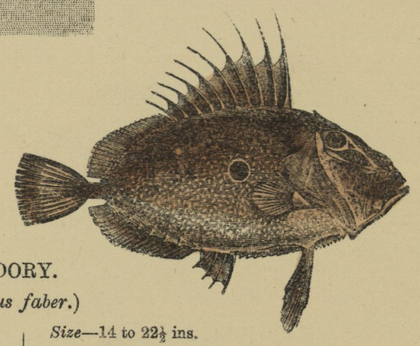


SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Buckefiord
Stavanger
NORWAY
Egersand
Arendal
Christiansand
Lister
Lindes Nœs
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Frith
Inverness
Banff
Macduff
Fraserburgh
Kinnairds Hd.
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Ale Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Dunbar
St Abbs Hd
Eyemouth
Berwick
EDINBURGH
Glasgow
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
Holy I
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
GRIMSBY
Cleethorpes
Spurn Pt
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Tenby
Swansea
Cardiff
Newport
Riv. Severn
Gloucester
Bristol
BRISTOL CHANNEL
Lundy Id.
Barnstaple
Bridgewater
Bideford
Hartland Pt
Padstow
Plymouth
Brixham
Exmouth
Teignmouth
Lyme Regis
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
Cowes
I. of Wight
Brighton
Newhaven
Beachy Hd
Rye
Dungeness
Folkestone
Deal
North Foreland
Ramsgate
Dover
Rochester
Faversham
Whitstable
LONDON
Gravesend
Maldon
Colchester
Harwich
Ipswich
Aldborough
Orford Ness
Woodbridge
Lowestoft
Yarmouth
Winterton
Sheringham
Cromer
WISBEACH
Lynn
Boston
Skegness
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Alderney
Guernsey
C. Bartlew
Cape la Hague
Dieppe
Fecamp
Havre
ENGLISH CHANNEL
ST GEORGES CHANNEL
IRELAND
ENGLAND
WALES
SCOTLAND
FRANCE
GREAT FISHER BANK
DOGGER BANK
Hantshalmen
Lemvig
Skive
JUTLAND
Ringkiobing
Hornsreef
Blaavand Pt
Fanø
Romø
Syltl.
Friedrichstadt
Heligoland
Elbe R.
Cuxhaven
Weser R.
Nordeney
Emden
OLDENBURG
HANOVER
Bremen
GERMANY
DENMARK
Ameland
Terschelling
Ems R.
Texel
Helder
Harlingen
Groningen
Workum
ZUIDER ZEE
Enkel
Elburg
AMSTERDAM
HOLLAND
Rotterdam
Berger
Antwerp
Ostend
BELGIUM
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
Meridian of Greenwich
1° 2° 3° 4° 5° 6° 7° 8° 9°
0° 1° 2° 3° 4° 5° 6°

General distribution—

Where caught in abundance—

Spawning localities—



DORY.
(*Zeus faber.*)

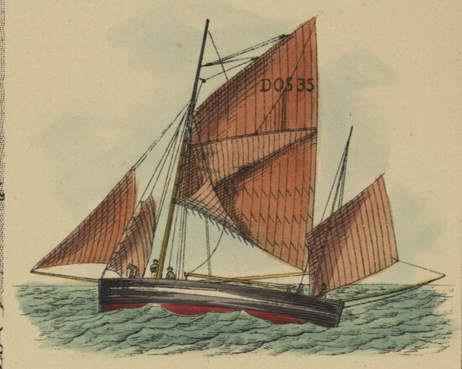
Time of spawning—Winter months.
Number of eggs—3,000.
When caught—Chiefly in the winter.
How caught—By hook and bait, also in seines and trawl.
Bait—Chad is a very attractive bait.
Food—Fry of other fish, mollusks and shrimps.

Size—14 to 22½ ins.
Weight—6, 12 to 18 lbs.
Quality—Good.
When in season—May to January.
Remarks—The Dory may be called a wandering but not a migratory fish. Very fine eating, resembling the claw of a lobster.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON.

THE PISCATORIAL ATLAS.

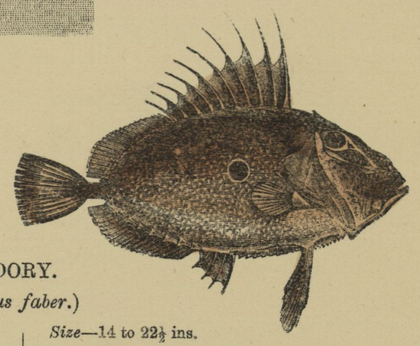


SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
NORWAY
Egersand
Arendal
Christiansand
Lister
Lindes Nœs
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd.
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Ale Ness
Anstruther
Pittenweem
Kirkcaldy
May I.
Firth of Forth
Dunbar
St Abbs Hd
Eyemouth
Berwick
EDINBURGH
Glasgow
Clyde Firth
Greenock
Ardrossan
Troon
Ayr
Campbell Town
Holy I.
Farn I.
Coquet I.
Dumfries
Stranraer
Port Patrick
Wigtown
Carlisle
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
GRIMSBY
Cleethorpes
Spurn
Maryport
Workington
Whitehaven
St Bees Hd
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Holyhead
Beaumaris
Bangor
Carnarvon
Chester
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Tenby
Swansea
Gloucester
Cardiff
Newport
Riv. Severn
Bristol
BRISTOL CHANNEL
Lundy I.
Barnstaple
Bridgewater
Ilfracombe
Tenby
Hartland Pt
Bideford
Padstow
Falmouth
Plymouth
Brixham
Exeter
Teignmouth
Lyme Regis
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Cowes
Hastings
Brighton
Newhaven
Beachy Hd
Rye
Dungeness
Folkestone
Deal
Ramsgate
North Foreland
Margate
Dover
Rochester
Faversham
Whitstable
Gravesend
LONDON
Maldon
Colchester
Ipswich
Harwich
Aldeburgh
Orford Ness
Woodbridge
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
WISBEACH
Lynn
Boston
Guernsey
Alderney
Cape la Hague
C. Barfleur
Havre
Fecamp
Dieppe
Abbeville
Montreal
Boulogne
C. Grisnez
Calais
Gravelines
Dunkirque
Ostend
Antwerp
Beryen
Rotterdam
BELGIUM
HOLLAND
ZUIDER ZEE
AMSTERDAM
Canal
Elburg
Texel
Helder
Workum
Harlingen
Groningen
Terschelling
Ameland
Norderney
Emden
OLDENBURG
Bremen
HANOVER
Weser R.
Elbe R.
Cuxhaven
Friedrichstadt
Heligoland
Hanstholmen
Lemvig
Skive
JUTLAND
Ringkiobing
Hornsreef
Blaavand Pt
Fanø
Romø
Sylt I.
DENMARK
GERMANY
ENGLISH CHANNEL
FRANCE
ENGLAND
WALES
SCOTLAND
IRELAND
St GEORGES CHANNEL
GREAT FISHER BANK
DOGGER BANK

General distribution—

Where caught in abundance—

Spawning localities—



DORY.
(*Zeus faber.*)

Time of spawning—Winter months.
Number of eggs—3,000.
When caught—Chiefly in the winter.
How caught—By hook and bait, also in seines and trawl.
Bait—Chad is a very attractive bait.
Food—Fry of other fish, mollusks and shrimps.

Size—14 to 22½ ins.
Weight—6, 12 to 18 lbs.
Quality—Good.
When in season—May to January.
Remarks—The Dory may be called a wandering but not a migratory fish. Very fine eating, resembling the claw of a lobster.

6° 5° 4° 3° 2° 1° 0° 1° 2° 3° 4° 5° 6° 7° 8° 9°
60° 59° 58° 57° 56° 55° 54° 53° 52° 51° 50°
Meridian of Greenwich

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.



BRIXHAM TRAWLER.

18° Variation

TRUE

SHETLAND ISLES

Lerwick

Fair I

ORKNEY ISLES

Kirkwall

Pentland Frith

C. Wrath

Duncansby Head

Wick

Lybster

Helmsdale

Ullapool

Cromarty

Murray Firth

Inverness

Buckie

Banff

Macduff

Fraserburgh

Rimmards Pt.

Peterhead

Buchanness

Aberdeen

Stonehaven

Montrose

Arbroath

Dundee

Firth of Tay

Bell R.

Perth

Tay R.

Ness

Anstruther

Pittenweem

May I.

Kirkcaldy

Firth of Forth

Leith

EDINBURGH

Granton

Glasgow

Greenock

Clyde Firth

Ardrossan

Troon

Ayr

Campbell Town

Dunbar

St Abbs H.

Eyemouth

Berwick

Holy I.

Farn Is.

Coquet I.

Newbiggin

Blyth

Newcastle

Shields

Sunderland

Seaham

Hartlepool

Middlesbro

Staithes

Whitby

Scarboro

Filey

Flamborough Hd

Bridlington

Goole

Hull

R. Humber

Spurn

GRIMSBY

Cleethorpes

Boston

WISBEACH

Lynn

Sheringham

Cromer

Winterton

Yarmouth

Lowestoft

Aldboro

Orford

Woodbridge

Ipswich

Harwich

Colchester

Maldon

LONDON

Gravesend

Rochester

Faversham

Whitstable

North Foreland

Margate

Deal

Dover

Folkestone

Dungeness

Rye

Beachy Hd

Newhaven

Brighton

Shoreham

Littlehampton

Bognor

Selsea

Southampton

Portsmouth

I. of Wight

Cowes

Poole

Weymouth

Portland

Lyme Regis

Bridport

Exmouth

Teignmouth

Torquay

Brixham

Dartmouth

Plymouth

Mewgissey

Fowey

Padstow

St Ives

Lands End

Hayle

Penzance

Falmouth

Helford

Lizard

Start Pt.

Salcombe

Bolt Head

Hope

Prawle Pt.

Bigbury

Burgh Island

Torbay

Babbacombe

Teignmouth

Exmouth

Sidmouth

Beer Head

Lyme Bay

Bridport

Portland

Weymouth

Poole

Swanage

Needles

Barnstaple

Bideford

Hartland Pt.

Bridgewater

Bristol

Cardiff

Newport

Barry

Penarth

Severn R.

Gloucester

Carmarthen

Llanelly

Swansea

Milford

Fishguard

St. Davids Hd.

Cardigan

Aberystwith

Barmouth

Aberdovey

Bangor

Beaumaris

Carnarvon

Holyhead

Liverpool

Runcorn

Chester

Preston

Lancaster

Morecambe Bay

Fleetwood

Whitehaven

Workington

Maryport

St Bees Hd.

Carlisle

Dumfries

Wigtown

Stranraer

Port Patrick

Larne

Donaghadee

Belfast

Newry

Ramsey

Douglas

Castletown

Isle of Man

IRELAND

Isle of Skye

Balmacara

Mull

Tiree

Colonsay

Islay

Jura

Oban

Loch Etive

Loch Fyne

Inveraray

Loch Long

Loch Lomond

Dumbarton

Greenock

Paisley

Ailsa Craig

Girvan

Stranraer

Port Patrick

Wigtown

Kirkcudbright

Whithorn

Isle of Man

Ramsey

Douglas

Castletown

Morecambe Bay

Lancaster

Fleetwood

Preston

Liverpool

Runcorn

Chester

Holyhead

Beaumaris

Bangor

Carnarvon

Bardsey

Barmouth

Aberdovey

Aberystwith

Cardigan

Fishguard

St. Davids Hd.

Milford

Carmarthen

Llanelly

Swansea

Cardiff

Newport

Barry

Penarth

Severn R.

Gloucester

Bristol

Bridgewater

Barnstaple

Bideford

Hartland Pt.

Padstow

St Ives

Lands End

Hayle

Penzance

Falmouth

Helford

Lizard

Mewgissey

Fowey

Plymouth

Dartmouth

Brixham

Torbay

Babbacombe

Teignmouth

Exmouth

Sidmouth

Beer Head

Lyme Bay

Bridport

Portland

Weymouth

Poole

Swanage

Needles

Southampton

Portsmouth

I. of Wight

Cowes

Newhaven

Brighton

Shoreham

Littlehampton

Bognor

Selsea

Beachy Hd

Dungeness

Rye

Hastings

Folkestone

Dover

Deal

Margate

North Foreland

Whitstable

Faversham

Rochester

Gravesend

LONDON

Maldon

Colchester

Harwich

Ipswich

Aldboro

Orford

Woodbridge

Yarmouth

Lowestoft

Sheringham

Cromer

Winterton

Lynn

WISBEACH

Boston

Spurn

Goole

Hull

R. Humber

GRIMSBY

Cleethorpes

Flamborough Hd

Bridlington

Scarboro

Filey

Whitby

Staithes

Middlesbro

Hartlepool

Seaham

Sunderland

Shields

Newcastle

Blyth

Newbiggin

Coquet I.

Farn Is.

Holy I.

Berwick

Eyemouth

St Abbs Hd.

Dunbar

Leith

EDINBURGH

Granton

Glasgow

Greenock

Clyde Firth

Ardrossan

Troon

Ayr

Campbell Town

Tiree

Colonsay

Islay

Jura

Oban

Loch Etive

Loch Fyne

Inveraray

Loch Long

Loch Lomond

Dumbarton

Mull

Isle of Skye

Balmacara

Ullapool

Cromarty

Murray Firth

Inverness

Buckie

Banff

Macduff

Fraserburgh

Rimmards Pt.

Peterhead

Buchanness

Aberdeen

Stonehaven

Montrose

Arbroath

Dundee

Firth of Tay

Bell R.

Perth

Tay R.

Ness

Anstruther

Pittenweem

May I.

Kirkcaldy

Firth of Forth

Alloa

Kirkwall

Pentland Frith

C. Wrath

Duncansby Head

Wick

Lybster

Helmsdale

Alderney

Guernsey

Casquets

Les Hanois

Corbière Pt.

Jersey

Gorey

St Helier

Grouville Bay

St Aubin's Bay

Elizabeth Castle

Noirmont Pt.

Corbière Pt.

Gorey

Grouville Bay

St Helier

St Aubin's Bay

Elizabeth Castle

Noirmont Pt.

Alderney

Guernsey

Casquets

Les Hanois

Corbière Pt.

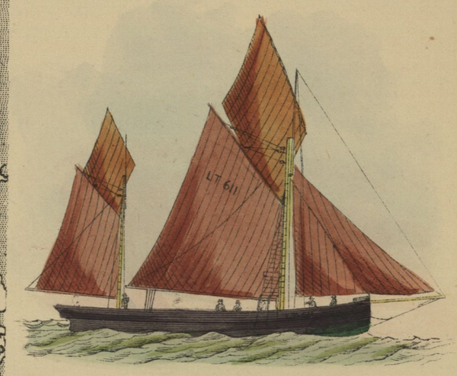
Jersey

Gorey

St Helier

Grouville Bay

THE PISCATORIAL ATLAS.



A LOWESTOFT TRAWLER.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Nœs
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wicks
Lybster
Helmsdale
Ullapool
Murray Firth
Cromarty
Inverness
Buckie
Banff
Macduff
Fraserburgh
Rinnairds Pt.
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Tay R.
Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Balmacara
Mull
Glasgow
Greenock
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
Crinan
Dunbar
St Abbs H.
Eyemouth
Berwick
EDINBURGH
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro'
Stathes
Whitby
Scarboro'
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Dunstries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Cardiff
Newport
Gloucester
Bristol
Barnstaple
Bideford
Hartland Pt
Padstow
St Ives
Lands End
Falmouth
Helford
Mevagissey
Looe
Plymouth
Dartmouth
Brixham
Exeter
Teignmouth
Lyme Regis
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Cowes
Selsea Bill
Brighton
Newhaven
Beachy Hd
Hastings
Rye
Dungeness
Folkestone
Dover
Deal
Ramsgate
North Foreland
Margate
Whitstable
Faversham
Rochester
Gravesend
LONDON
Maldon
Colchester
Harwich
Ipswich
Woodbridge
Orford Ness
Aldborough
Yarmouth
Lowestoft
Gromer
Sheringham
Wisbeach
Lynn
Boston
Ramsey
Douglas
Castletown
Great Man
Strangaer
Port Patrick
Wigtown
Larne
Ireland
Donaghadee
Carrickfergus
ST GEORGES CHANNEL
IRISH SEA
SCOTLAND
WALES
ENGLAND
BRISTOL CHANNEL
ENGLISH CHANNEL
Lundy Is.
Alderney
Guernsey
C. Barfleur
Cape la Hague
Dieppe
Fecamp
Havre
Abbeville
Montreal
Boulogne
C. Grisnez
Calais
Gravelines
Dunkirque
FRANCE
Ostend
Antwerp
BELGIUM
Bergen
Rotterdam
HOLLAND
AMSTERDAM
Texel
Helder
Workum
ZUIDER ZEE
Elburg
Kanal
Terschelling
Ameland
Hantshohmen
Lemvig
Skive
JUTLAND
Ringkiobing
Hornsred
Blaavand Pt
Fano
Romo
Syl I.
DENMARK
Friedrichstadt
Heligoland
Elbe R.
Cuxhaven
Weser R.
Nordeney
Emden
Ems R.
OLDENBURG
HANOVER
GERMANY
Bremen
Hartingen
Groningen
Lister
Lindal
Lindes Nœs

GREAT FISHER BANK

DOGGER BANK

General distribution—

Where caught in abundance—

Spawning localities—



LEMON SOLE.

(*Solea pegusa.*)

Time of spawning—Spring.
Number of eggs—37,060.
When caught—All the year round.
How caught—By the beam trawl.
Bait—None.
Food—Small fish and crustaceans.

Size—8 to 16 ins.
Weight—3 to 5 lbs.
Quality—A little inferior to the sole.
When in season—March to December.
Remarks—The Lemon Sole is becoming a very favourite fish as a substitute for the Sole, and is not unfrequently served on the table as such.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON.

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
Egersund
Arendal
Christiansand
Lister
Lindes Næs
NORWAY
SHRIMP & DAB TRAWL.
SKAGERAK
GREAT FISHER BANK
DOGGER BANK
Hantsholmen
Lemvig
Skive
JUTLAND
Ringkiobing
Hvide Sand
Blaavand Pt
Fano
Romo
Syit I.
Friedrichstadt
Heligoland
Elbe R.
Cuxhaven
Weser R.
HANOVER
Norderney
Emden
OLDENBURG
Bremen
DENMARK
GERMANY
C. Wrath
Pentland Frith
Duncansby Head
Wicks
Lybster
Helmsdale
Ullapool
Cromarty
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Balmacara
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Tyne R.
Tay R.
Tite Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Glasgow
Greenock
Clyde
Firth
Grangemouth
Leith
EDINBURGH
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn I.
Coquet I.
Troon
Ayr
Campbell town
Cantyre
Arran
Dumfries
Carlisle
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Maryport
Workington
Whitehaven
St Bees Hd
Strathes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Cardiff
Newport
Riv. Severn
Gloucester
Bristol
BRISTOL CHANNEL
Lundy Id
Barnstaple
Bideford
Hartland Pt
Padstow
Falmouth
Penzance
St Ives
Lands End
Hayle
Truro
Plymouth
Brixham
Dartmouth
Teignmouth
Exeter
Lyme Regis
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
Isle of Wight
Cowes
Newhaven
Brighton
Beachy Hd
Rye
Dungeness
Folkestone
Deal
Dover
Ramsgate
North Foreland
Margate
Whitstable
Faversham
Rochester
Gravesend
LONDON
Maldon
Colchester
Ipswich
Harwich
Woodbridge
Orford Ness
Aldboro
Yarmouth
Lowestoft
Wintercerton
Cromer
Sheringham
Lynn
WISBEACH
Boston
Skegness
Mablethorpe
Grimsby
Humber R.
Ameland
Terschelling
Texel
Helder
Workum
Harlingen
Groningen
Fans
ZUIDER ZEE
Elburg
Kanal
AMSTERDAM
HOLLAND
Rotterdam
Bergen
Antwerp
Ostend
BELGIUM
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
Dieppe
Fecamp
Havre
FRANCE
ENGLISH CHANNEL
Alderney
Guernsey
C. Bartleur
Cape La Hague
IRELAND
St. GEORGES CHANNEL
Isle of Man
Ramsey
Douglas
Castletown
Donaghadee
Carlingford
Tuskar
Wexford
Arklow
Dublin
Drogheda
Dundalk
Strangford
Portpatrick
Wigtown
Stranraer
Campbeltown
SCOTLAND
ENGLAND
WALES
NORTH SEA

General distribution—
Where caught in abundance—
Spawning localities—



DAB.
(*Platissa limanda.*)

Time of spawning—March, April and May.
Number of eggs—Small and numerous.
When caught—At any time.
How caught—By hook, seine and the trawl.
Bait—Mussel, worms and herring.
Food—Small fish, crustaceans, worms, &c.

Size—10 to 13 ins.
Weight—1 to 3 lbs.
Quality—Good, superior to plaice.
When in season—February, March and April.
Remarks—The Dab, with other small flat fishes, used to be called stickerbait and was the perquisite of the crew, but now the Dab is considered marketable fish.

COMPILED & PUBLISHED BY O.T. OLSEN F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.



FLOUNDER.

(*Platessa flesus. Pleuronectes flesus.*)

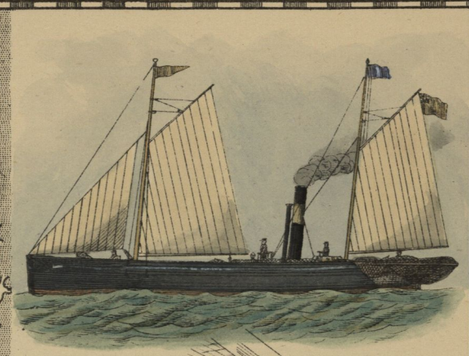
Time of spawning—February and March.
Number of eggs—Very minute and numerous.
When caught—At all times round the coast.
How caught—By hook, tuck-net and trawl.
Bait—Mussel, earthworms and herring.
Food—Aquatic insects, worms and small fish.

Size—6 to 8 ins.; largest 12 ins.
Weight—2, 3 and 4 lbs.
Quality—Rather inferior to other flat fish.
When in season—July to November.
Remarks—The Flounder ascends rivers so far as the tide reaches.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON

THE PISCATORIAL ATLAS.



A SCOTCH TRAWLER.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's Hd
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Dunbar
St Abbs Hd
Eyemouth
Berwick
Glasgow
Greenock
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Staithes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Liverpool
Runcorn
Holyhead
Chester
Boston
WISBEACH
Lynn
Sheringham
Cromer
Winterton
Yarmouth
Lowestoft
Aldboro
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
LONDON
Gravesend
Rochester
Faversham
Margate
Deal
Dover
Folkestone
Dungeness
Rye
Beachy Hd
Eastbourne
Brighton
Shoreham
Littlehampton
Southampton
Portsmouth
Cowes
I. of Wight
Poole
Weymouth
Portland
Lyme Regis
Bridport
Exmouth
Teignmouth
Torbay
Brixham
Dartmouth
Plymouth
Padstow
Hartland Pt
Bideford
Barnstaple
Bridgewater
Bristol
Cardiff
Newport
Riv. Severn
Gloucester
Milford
Haverfordwest
Tenby
Carmarthen
Swansea
Pembroke
Fishguard
St David's Hd
Aberystwith
Aberdovey
Barmouth
Bardsey
Holyhead
Beaumaris
Bangor
Carnarvon
Cardigan
Trevose Hd
Lundy Isl
Land's End
St Ives
Falmouth
Penzance
Helford
Manacles
Lizard
Start Pt
Dodman
Looe
Eddystone
Salcombe
Prawle Pt
Berry Hd
Torquay
Exmouth
Sidmouth
Lyme Regis
Portland Bill
Weymouth
Poole
Needles
Beachy Hd
Dungeness
Rye
Hastings
Beachy Hd
Eastbourne
Brighton
Shoreham
Littlehampton
Bognor
Selsey Bill
Chichester
Portsmouth
Southampton

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Næs
Mandal
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Cromarty
Murray Firth
Inverness
Banff
Macduff
Fraserburgh
Kinnaird's H.
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Rife Ness
Anstruther
Pittenweem
May I.
Kirkcaldy
Firth of Forth
Glasgow
Greenock
Clyde
Firth
Ardrossan
Troon
Ayr
Campbell Town
Stranraer
Port Patrick
Wigtown
Dumfries
Carlisle
Dunbar
St Abbs H.
Eyemouth
Berwick
Holy I.
Farn Is.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Staithes
Whitby
Scarboro
Filey
Flamborough H.
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Marypart
Workington
Whitehaven
St Bees H.
Ramsey
Douglas
Castletown
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Holyhead
Beaumaris
Bangor
Carnarvon
Chester
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids H.
Milford
Carmarthen
Pembrey
Swansea
Cardiff
Newport
Riv. Severn
Gloucester
Bristol
BRISTOL CHANNEL
Lundy Isd
Barnstaple
Bideford
Hartland Pt.
Padstow
St Ives
Falmouth
Plymouth
Dartmouth
Brixham
Exmouth
Lyme Regis
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Selsea
Brighton
Shoreham
Littlehampton
Worthing
Beachy Hd.
Newhaven
Rochester
Faversham
Whitstable
Margate
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Lizard
Land's End
Scilly Is.
ENGLISH CHANNEL
Alderney
Guernsey
C. Barfleur
Cape La Hague
Dunkirque
Gravelines
Calais
C. Grisnez
Boulogne
Montreal
Abbeville
Dieppe
Fecamp
Havre
FRANCE
GREAT FISHER BANK
DOGGER BANK
Hantshohm
Lemvig
Skive
JUTLAND
Ringkiobing
Blaavand Pt.
Homsered
Fano
Romo
Sylt I.
Heligoland
Friedrichstadt
DENMARK
Elbe R.
Cuxhaven
Weser R.
Nordeney
HANOVER
Emden
OLDENBURG
Bremen
Ameland
Terschelling
Eems R.
Texel
Helder
Harlingen
Workum
Groningen
GERMANY
ZUIDER ZEE
Canal
Elburg
AMSTERDAM
HOLLAND
Rotterdam
Ostend
Antwerp
BELGIUM
Bergen



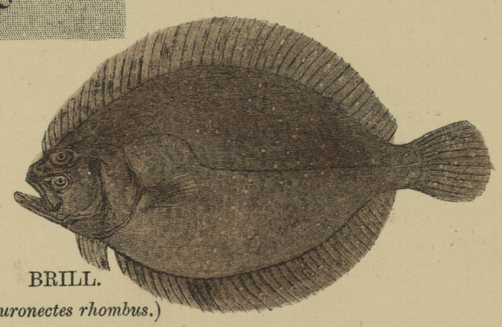
22

RAMSGATE TRAWLER.

General distribution—

Where caught in abundance—

Spawning localities—



BRILL.

(*Pleuronectes rhombus.*)

Time of spawning—May, June and July.

Number of eggs—239,775.

When caught—All the year round.

How caught—By the beam trawl.

Bait—Not caught by hook.

Food—Shells, worms and small fish.

Size—18 ins.

Weight—16 lbs.

Quality—Good and wholesome.

When in season—March to November.

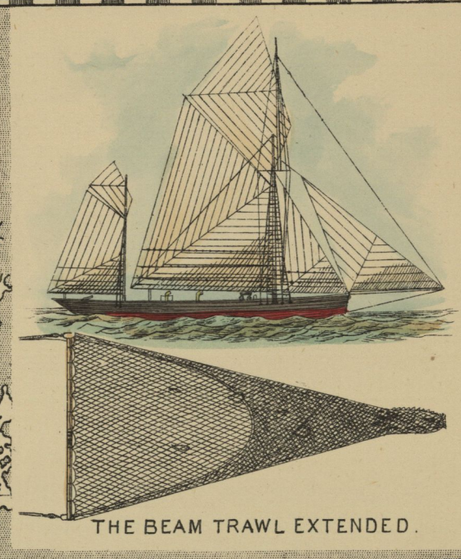
Remarks—The Brill is a little inferior to the Turbot and is termed a poor man's fish.

Meridian Of Greenwich

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART-LITH LONDON

THE PISCATORIAL ATLAS.



THE BEAM TRAWL EXTENDED.



TURBOT.
(*Rhombus maximus.*)

Time of spawning—In Spring.
Number of eggs—14,300,000.
When caught—All the year round.
How caught—By trawl chiefly, some by hook.
Bait—Herring, lamprey, worms, &c.
Food—Small fish, crustaceans and mollusks.
Size—Average 1½ to 3 feet; greatest 7½ feet.
Weight—20 to 30 lbs.; greatest on record 150 lbs.
Quality—Very much esteemed, delicious.
When in season—From May to February.
Remarks—The Turbot although very prolific, even next the Conger Eel, is held in great esteem at the most luxurious tables, where it ranks with the Salmon and the Sturgeon. This fishery should be multiplied.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON.

THE PISCATORIAL ATLAS.


GRIMSBY COD VESSEL



HALIBUT.

(*Pleuronectes hippoglossus.*)

Time of spawning—March, April and May.
Number of eggs—834,750.
When caught—All the year.
How caught—By hook, by spear and by the trawl.
Bait—Whelk, cuttle, lamprey and herring.
Food—Carnivorous crabs, crustaceans and fish.
Size—6 to 8 ft., one reported 20 ft.

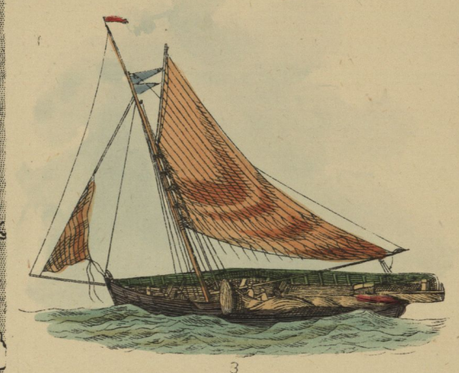
Weight—300 to 500 lbs.
Quality—Excellent in flavour, the head a delicacy.
When in season—July to December.
Remarks—The Halibut is a northern fish and is caught in greatest abundance around Iceland, Greenland, Norway, and the North Sea. This fishery admits of great development; much remains to be done. The value of this fish is not yet known.

General distribution—
Where caught in abundance—
Spawning localities—Deep water.

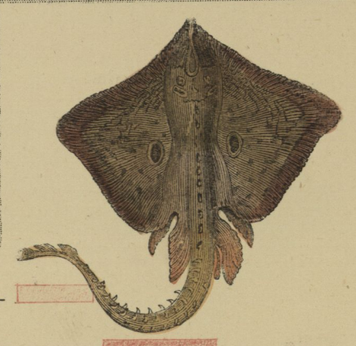
COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON

THE PISCATORIAL ATLAS.



A BRIXHAM LONG BOOM TRAWLER.



General distribution—

Where caught in abundance—

Spawning localities—Deep water.

THORNBACK RAY.

(*Raia Clavata.*)

Time of breeding—May and June.

Number of eggs—7 to 9.

When caught—All the year round.

How caught—By hook and by trawl.

Bait—Herring, whelk, cuttle and pig's liver.

Food—Fish, mollusks, crab and whelk.

Size—3 ft., 5 ft. to 7 ft.

Weight—10 to 40 lbs., maximum 214 lbs.

Quality—Good.

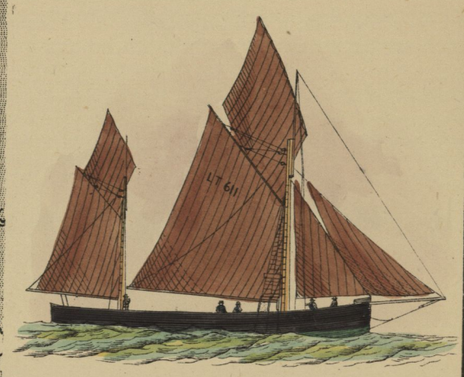
When in season—June to January.

Remarks—The Ray is a good eating fish, firm and nutritious, it has been much under-estimated, but its market value is increasing.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART · LITH. LONDON.

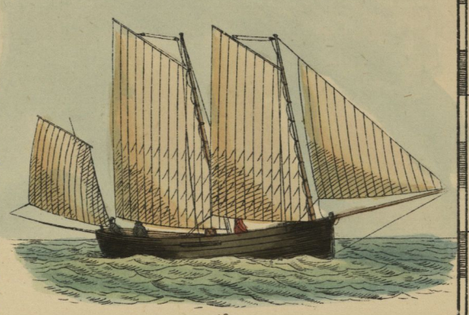
THE PISCATORIAL ATLAS.



A LOWESTOFT TRAWLER.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
NORWAY
Egersund
Arendal
Christiansand
Lister
Lindes Næs
SKAGERAK
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Frith
Cromarty
Inverness
Buckie
Banff
Macduff
Fraserburgh
Kinnaards Hd
Peterhead
Buchan Ness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Fife Ness
Anstruther
Pittenweem
Kirkcaldy
May I.
Firth of Forth
Balmacara
Isle of Skye
Mull
Greenock
Clyde
Glasgow
Firth
Girdrossan
Troon
Ayr
Campbell Town
Cantyre
Arran
EDINBURGH
Dunbar
St Abbs Hd
Eyemouth
Berwick
Holy I
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Staithes
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Cardiff
Newport
Riv. Severn
Gloucester
Bristol
Tuskar
Ramsey
Douglas
Castletown
Strangaer
Port Patrick
Wigtown
Ireland
Donaghadee
Drogheda
Arklow
Wexford
Tramore
Youghal
Kinsale
Cork
Queenstown
Valentia
Dingle B.
Galway
Clew B.
Achill Hd
Blacksod B.
Erris Hd
Broadhaven
Sligo
Donegal B.
Tory I.
Rathlin I.
Fair Hd
Belfast
Strangford L.
Carlingford L.
Dundalk
Skerries
Howth
Kingstown
Dublin
Wicklow

THE PISCATORIAL ATLAS.



GUERNSEY FISHING BOAT.



LOBSTER.
(*Homarus vulgaris.*)

General distribution and Spawning localities

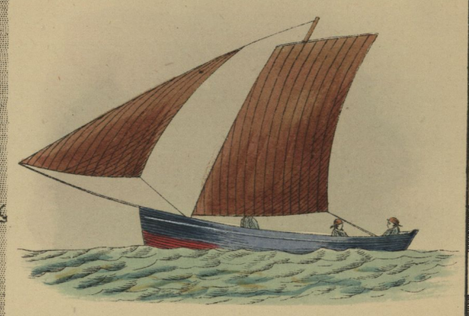
Time of hatching—March, April and May.
Number of ova—25,000, carried under tail until hatched.
When caught—Nearly all the year, chiefly summer.
How caught—In creels, pots and baskets.
Bait—Stale fish of any kind, especially skate.
Food—Any kind of flesh of other fish, mussels, &c.
Size—5 to 10 ins., largest on record 2 ft. 5 ins.
Weight—2 to 6 lbs., largest on record 13 lbs.

Quality—Much esteemed.
Time of Moulting—July and August.
When in season—April to October.
Remarks—The Lobster grows by moulting, casts its shell eight to ten times the first year, and less every year until maturity is attained, after that the shell is retained. The ova are carried under the tail of mother until hatched out. This fishery requires cultivation.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON

THE PISCATORIAL ATLAS.



EAST COAST COBLE.



CRAB.
(*Cancer pagurus.*)

Time of hatching—May and June.
Number of ova—2,000,000, carried under tail until hatched.
When caught—In summer months.
How caught—In creels, traps, pots, &c., constructed for this purpose.
Bait—Fresh fish of any kind.
Food—Ditto; also mussels.
Size—6 to 8 ins., largest on record 12 ins.

Weight—2 to 4 lbs., largest on record 12 lbs.
Quality—Delicate and wholesome.
Time of moulting or shedding of shell—July, August and September.
When in season—April to October.
Remarks—The Crab grows by moulting and shedding its shell as much as ten times the first year, and less yearly until it arrives at maturity, when the shell is retained. This much-important fishery should be protected, regulated and improved.

General distribution and Spawning localities.

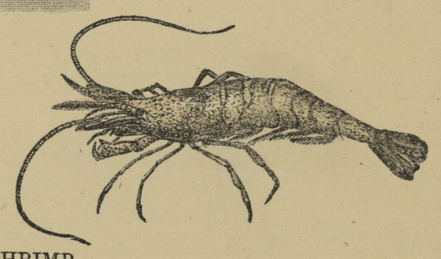
COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON.

THE PISCATORIAL ATLAS.



A THAMES SHRIMPER.



SHRIMP.

(*Crangon vulgaris.*)

How caught—Beam trawl, horse trawl and push net.

Number of eggs—Not known, carries ova under the tail.

When in season—May to September.

Time of spawning—Summer months.

Food—Aquatic plants and flesh of other fish.

Quality—Good, much esteemed.

When caught—March to November.

Remarks—The Shrimp fisheries of the British coast are far more important than is generally accredited. Many thousands of boats and fishermen are engaged in this pursuit.

General distribution and Spawning localities.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH. LONDON.

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
18° Variation
TRUE
Bergen
Kors Fiord
Udsire
Karmo
Bucke Fiord
Stavanger
LOCHFYNE FISHING BOAT
N O R W A Y
Egersund
Arendal
Christiansand
Lister
Lindes Næs
C. Wrath
Pentland Frith
Duncansby Head
Wick
Lybster
Helmsdale
Ullapool
Murray Firth
Cromarty
Inverness
Banff
Macduff
Fraserburgh
Kinnairds H.
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Anstruther
Pittenweem
Kirkcaldy
Firth of Forth
May I.
Balmacara
Mull
Glasgow
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
EDINBURGH
Dunbar
St Abbs H.
Eyemouth
Berwick
Holy I.
Farn I.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Whitby
Scarboro
Filey
Flamborough Hd
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpes
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees Hd
Stranraer
Port Patrick
Wigtown
Ramsey
Douglas
Castletown
Isle of Man
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids Hd
Milford
Carmarthen
Llanelly
Swansea
Gloucester
Cardiff
Newport
Bur. Severn
Bristol
BRISTOL CHANNEL
Lundy Isd
Barnstaple
Bideford
Hartland Pt
Padstow
St Ives
Land's End
Falmouth
Penzance
Plymouth
Brixham
Exeter
Teignmouth
Lyme Regis
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Hastings
Brighton
Newhaven
Beachy Hd
Rye
Dungeness
Folkestone
Deal
Ramsgate
North Foreland
Margate
Whitstable
Faversham
Rochester
Dover
Gravesend
LONDON
Maldon
Colchester
Harwich
Ipswich
Orford Ness
Woodbridge
Aldborough
Lowestoft
Yarmouth
Winterton
Cromer
Sheringham
Lynn
WISBEACH
Boston
Lincoln
Grantham
Peterboro
Cambridge
Ely
Bedford
Northampton
Oxford
Reading
Salisbury
Winchester
Basingstoke
Guildford
Dorking
Croydon
Kingston
Hampton Court
Windsor
Staines
Uxbridge
Harrow
Hampstead
Hertford
Ware
Bishop Stortford
Saffron Walden
Newmarket
Bury St Edmunds
Thetford
Norwich
Yarmouth
Lowestoft
Aldborough
Orford Ness
Woodbridge
Ipswich
Harwich
Colchester
Maldon
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Margate
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Beachy Hd
Hastings
Brighton
Newhaven
Portsmouth
Southampton
I. of Wight
Poole
Weymouth
Portland
Bridport
Lyme Regis
Exeter
Teignmouth
Brixham
Plymouth
Dartmouth
Torbay
Start Pt
Salcombe
Falmouth
Helston
Penzance
Land's End
St Ives
Padstow
Hartland Pt
Lundy Isd
Ilfracombe
Barnstaple
Bideford
Minehead
Watchet
Weston-super-Mare
Cardiff
Newport
Bur. Severn
Gloucester
Tewkesbury
Worcester
Evesham
Stratford-on-Avon
Warwick
Leamington
Coventry
Rugby

THE PISCATORIAL ATLAS.

SHETLAND ISLES
Lerwick
Fair I
ORKNEY ISLES
Kirkwall
Stromness
C. Wrath
Pentland Frith
Duncansby Head
Wicks
Lybster
Helmsdale
Ullapool
Inverness
Murray Firth
Cromarty
Buckie
Banff
Macduff
Fraserburgh
Rimaitds H.d
Peterhead
Buchanness
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Firth of Tay
Bell R.
Perth
Kinnoull
Anstruther
Pittenweem
Kirkcaldy
Alloa
Firth of Forth
May I.
Inchkeith
Granton
Leith
EDINBURGH
Glasgow
Greenock
Clyde Firth
Ardrossan
Troon
Ayr
Campbell Town
Cantyre
Islay
Dunbar
St Abbs H.d
Eyemouth
Berwick
Holy I.
Farn R.
Coquet I.
Newbiggin
Blyth
Newcastle
Shields
Sunderland
Seaham
Hartlepool
Middlesbro
Staithes
Whitby
Scarboro
Filey
Flamborough H.d
Bridlington
Goole
Hull
R. Humber
Spurn
GRIMSBY
Cleethorpe
Dumfries
Carlisle
Maryport
Workington
Whitehaven
St Bees H.d
Morecambe Bay
Lancaster
Fleetwood
Preston
Liverpool
Runcorn
Chester
Holyhead
Beaumaris
Bangor
Carnarvon
Bardsey
Barmouth
Aberdovey
Aberystwith
Cardigan
Fishguard
St Davids H.d
Milford
Carmarthen
Llanelly
Swansea
Cardiff
Newport
Riv. Severn
Gloucester
Bristol
BRISTOL CHANNEL
Lundy I.d
Barnstaple
Bideford
Hartland Pt
Bridgewater
Minehead
Lynmouth
Ilfracombe
Tenby
Pembroke
Milford Haven
Ramsey
Isle of Man
Douglas
Castletown
Strangaer
Port Patrick
Wigtown
Larne
Donaghadee
Donaghadee
Ireland
St. George's Channel
Padstow
Plymouth
Dartmouth
Brixham
Teignmouth
Exmouth
Lyme Regis
Bridport
Portland
Weymouth
Poole
Southampton
Portsmouth
I. of Wight
Cowes
Selsea Bill
Brighton
Newhaven
Beachy Hd
Rye
Hastings
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
LONDON
Gravesend
Maldon
Colchester
Ipswich
Harwich
Aldboro'
Orford
Woodbridge
Lowestoft
Yarmouth
Winterton
Cromer
Sheringham
WISBEACH
Lynn
Boston
Gt. Yarmouth
Lowestoft
Aldboro'
Orford
Woodbridge
Ipswich
Harwich
Colchester
Maldon
Gravesend
Rochester
Faversham
Whitstable
North Foreland
Ramsgate
Deal
Dover
Folkestone
Dungeness
Rye
Hastings
Beachy Hd
Newhaven
Brighton
Selsea Bill
Chichester
Portsmouth
Southampton
Poole
Weymouth
Portland
Bridport
Lyme Regis
Exmouth
Teignmouth
Brixham
Dartmouth
Plymouth
Padstow
St Ives
Land's End
Hayle
Penzance
Falmouth
Helford
Mevagissey
Fowey
Lizard
ENGLISH CHANNEL
Alderney
Guernsey
C. Bartleur
Cape la Hague
Havre
Fecamp
Dieppe
Abbeville
C. Grisnez
Boulogne
Montreal
Calais
Gravelines
Dunkirque
FRANCE
BELGIUM
Ostend
Antwerp
Bergen
Rotterdam
HOLLAND
AMSTERDAM
Canal
Helder
Texel
Workum
Harlingen
ZUIDER ZEE
Elburg
Terschelling
Ameland
Groningen
Emden
OLDENBURG
Nordeney
Ems R.
Weser R.
Bremen
HANOVER
GERMANY
Elbe R.
Cuxhaven
Friedrichstadt
Heligoland
Sylt I.
Romo
Fano
Hornsreef
Blaavand Pt
Ringkiobing
JUTLAND
Lemvig
Skive
Hantshalmen
SKAGERAK
Egersund
Arendal
Christiansand
Lister
Lindes Nœs
Udsire
Karmo
Bucke Fiord
Stavanger
Kors Fiord
Bergen
DENMARK
GREAT FISHER BANK
DOGGER BANK
18° Variation
TRUE



GRIMSBY WHELKER

General distribution—



WHELK.
(*Purpura lapillus.*)

When caught—All the year round.
How caught—By hoop nets and pots.
Bait—Horse flesh and crabs.
Quality—Good, but tough.
When in season—From April to August.

Time of spawning—May and June.
Number of ova—7,500.
Remarks—The Whelk is a poor man's dish. The greater portion caught is used for bait by the Grimsby, Harwich and London Cod fishermen for the long line hooks, for which purpose they answer admirably.

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON

THE PISCATORIAL ATLAS.



OYSTER DREDGE.

OYSTER.

(*Ostrea edulis.*)

Number of ova or spat—2,000,000.

Time of spawning—Natives, May, June and July; deep sea, September.

When in season—August to April.

When caught—Deep sea, from 15th June to 4th August; Natives, 14th May to 4th August.

How caught—By dredge and scrapers.

Remarks—The Oyster is so great a delicacy and so well known that any comment is needless. Hundreds of Oyster culture establishments are multiplying the supply around these isles, and yet not equal to the task of supplying the demand; but Mother Sea has yet in store a bed or beds of 200 miles in length, and varying even to 70 miles in width, situated between Heligoland and the Dogger Bank, or Bothy Gut. Oyster vessels are now being added to the Great Grimsby fishing fleet.

General distribution—

Where caught in abundance—

COMPILED & PUBLISHED BY O.T. OLSEN, F.L.S. F.R.G.S.

HANHART LITH LONDON.