INDEX TO FISHERY INDUSTRY.

A.

Page.

Abalone—
- Fishery 596, 601, 613
- Meats 594, 599, 601, 603, 604, 607, 618
- Shells 594, 597, 599, 601, 604, 607, 618

Abalones, dried 596
Absecom inlet, New Jersey 394
Accomac county, Virginia 461, 465
Acipenser sturio 502
Acoakset river, Massachusetts 274
Acushnet river, Massachusetts 267, 270
Adams, J. and B. C., on fisheries of Camden, Maine. 49
Adamsville, Rhode Island 294
Addison, Maine 25
Ælurichthys marinus 586
Africa, exports of fish to 205, 206
Agawam river, Massachusetts 733
Agawam station, Massachusetts, alwewife fishery of 264
Alabama—
- Fisheries of 568
- Statistics of salt-water fisheries of 568

Alabama river 570
Alameda, California 619
Alameda county, California, statistics of fisheries of 624
Alaska—
- Cod fishery of 630
- Fisheries of 591, 630
- Fur-seal industry of 630
- Shore fisheries of 630
- Statistics of fisheries of 630
- Walrus fishery of 630
- Whale fishery of 630

Alaska Commercial Company 591, 593
Albemarle sound—
- Alewife fishery of 481
- Shad fishery of 481

Albicore 595, 600
Alcona, lake Huron 658
Alewife—
- Hedges 67
- Pounds 57
- Weirs 48, 76, 111, 709

Alewife cove, Connecticut 318
Alewife fishery in—
- Connecticut river 319
- Maine 15, 45, 47, 48, 55, 57, 61, 64, 67, 74, 75, 102
- Maryland 427
- Massachusetts 213, 222, 234, 235, 239, 244, 245, 246, 248, 249, 252, 258, 260, 264, 265, 267, 273, 274, 275, 276, 686, 710, 711, 716, 717, 721, 723, 727, 728, 730, 731, 733, 734

Alewife fishery in—Continued. Page.
- New Hampshire 679
- North Carolina 478
- Rhode Island 294, 297, 303, 308, 309
- Virginia 451, 456

Alewives 268, 428
- Early abundance of ... 82, 132, 221, 709, 710, 716, 724
- For bait 119, 154, 156, 157, 163, 213, 248, 261
- Fresh 119, 133, 138, 183, 186, 187, 193, 196, 225, 254, 259, 263, 275, 284, 314
- In lake Ontario 673
- Pickled 121, 188, 191, 192, 225, 248, 255, 263, 276, 285, 314
- Smoked 121, 225, 248, 276, 285, 296, 297, 709
- Statistics of catch of 109, 118, 284, 314, 344, 383, 411, 417, 424, 452, 479, 504, 505, 515, 523

Algæ, commercial value of 268
Algæ Fertilizer Company 69
Alicante, fish exports to 129
Alligator-gars 570, 578
Alpena, Michigan 658
Altamaha river, Georgia 502, 514
Amagansett, New York 353, 360
Ambergris 264, 272
Amelia island, Florida 524
American lunch fish 370
Amesbury, Massachusetts 132, 134
Amherst, lake Erie 667
Amityville, New York 371
Anastasia island, Florida 525
Anacapa island, California 599, 601
Anchovies, herring as 11, 13
Anchovy for bait 603
Anclote keys, Florida 537, 548, 549
Angel island, California 619
Angola, Delaware 416
Anna Maria, Florida 546
Annapolis, Maryland 427, 445, 467
Anne Arundel county, Maryland 442
Annisquam, cape Ann, Massachusetts 143, 165
Annisquam river, Massachusetts 143
Antarctic fur-seal fishery 118, 315
Anticosti island, halibut at 157
Antipoisen river, Virginia 460
Apostle islands, lake Superior 635
Appalachee bay, Florida 554
Appalachicola, Florida—
- Fish-curing at 562
- Fisheries of 559
- Gill-net fishing at 561
- Mullet-curing at 561
- Mullet fishery of 559

Appalachicola, Florida—Continued. Page.
Oyster industry of 563
Appalachicola bay, Florida 559
Appalachicola fishery at Palm key 546
Appledore island, Isles of Shoals 111, 112
Apponagansett bay, Massachusetts 273
Apponaug, Rhode Island, clam and scallop fisheries of 305
Aptos, California 605
Aquitticaset pond, Massachusetts 267
Arcachon, France, oyster culture at 472
Arius felis 585, 586
Armstrong, lake Ontario 672
Arnold's *History of Rhode Island* 737
Arrowsic, Maine 74
Artedius megacephalus 612
Artedius quadriseriatus 612
Ashapoo river, South Carolina 508
Ashland, lake Superior 635
Ashley river, South Carolina 506
Ash Point, Maine 55
Ashtabula, Ohio 669
Aspee bay, Massachusetts, squidding at 159
Assateague bay, Maryland 425
Assawamsett pond, Massachusetts 734
Assonet, Massachusetts 278
Atkins, C. G., river fisheries of Maine 10
Atlantic and Virginia Fertilizing Company 353, 360
Atlantic City, New Jersey 394, 395, 399
Atlanticville, New York 363
Atwood, Captain N. E 63, 227, 231
Atwood, Elisha, on whale fishery of Wellfleet, Massachusetts 235
Atwood, J. R., on fisheries of cape Cod 223
Au Sable 659
Australasia, exports of fish to 205, 206, 207
Austrian fishermen 615, 627
Avery point, Connecticut 317
Azores—
Exports of fish to 205, 206, 207, 217
Whale fishing at 229

B.

Babson's *History of Gloucester* 686
Babylon, New York 371
Backies, fishing for 309
Back river, Virginia 457
Bailey's Mistake harbor, Maine 20
Bairdiella chrysura 525, 529
Bairdiella punctata 586
Bait—
Alewives for 119, 154, 156, 157, 163, 213, 248, 261
Anchovy for 603
Capelin for 135
Clams for 22, 25, 36, 37, 38, 41, 42, 47, 54, 59, 67, 73, 77, 93, 95, 96, 98, 100, 133, 136, 139, 141, 156, 165, 179, 225, 244, 255, 259, 271, 358, 686, 694, 724, 726, 729
Cod 231, 707
Cod spawn for sardine 151
Conchs for 85, 539
Crabs for eel 308
Crawfish for 539
Drum 512
Eel 195, 268, 364
Bait—Continued. Page.
Fresh fish for 10, 22, 24, 29, 37, 46, 53, 66, 73, 77, 93, 94, 95, 108, 118, 119, 120, 284, 314
Frozen herring for cod 17
Herring for 28, 42, 57, 71, 154, 156, 157, 161, 162, 163, 164, 179
Horsefeet for 367
Lobster 26, 40, 141, 165
Lobsters for 262, 269
Mackerel for 154, 163
Menhaden for 28, 31, 78, 151, 154, 159, 235, 261, 362, 370
Mullet for 585
Sardines for 609
Sea-gulls for 156
Shack 156
Shuckfish for 307
Smelts for 609
Sperling for 134, 163
Squid for 156, 159, 160, 161
Value of 170
Bait-chopper 195
Bait-mill, machine 68
Baiting fleet 159
Baiting Hollow, New York 351, 354
Baker's island, Massachusetts 698
Baldwin, New York 372
Baltimore, Maryland—
Market for fresh fish 197
Oyster packing in 443
Oyster trade of 204, 444, 445
Bank cod fishery 28, 129, 233, 315, 683, 690, 693, 694, 696, 707, 729
Banquereau—
Cod fishery 245, 267, 273
Halibut fishery 60, 100, 156, 157, 175, 180
Barataria, Louisiana 579
Barbadoes, fish exports to 167, 704
Barcelona, New York 670
Bar Harbor, Maine 34
Barlowtown, Massachusetts 251
Barnegat bay, New Jersey 385, 386
Barnegat inlet, New Jersey 384, 389
Barnegat, New Jersey 394, 396
Barnstable district—
Cod fishery of 226
Fishing fleet of 223
Mackerel fishery of 226
Review of 223
Statistics of fisheries of 224
Whale fishery of 226
Barnstable, Massachusetts—
Eel fishery of 246
Lobster fishery of 246
Mackerel fleet of, in 1851 116
Salt-works at 127
Scallop fishery of 246
Weir fishery at 246
Barracuda 595, 597, 600, 605, 618
Barrels—
Fish 166, 167, 170, 211, 212, 222, 486, 643, 645
Mullet 546, 547, 552
Barren island, New York 353
Barrington, Rhode Island 286, 287
Barrington river, Rhode Island 288

Page.
Barter's island, Maine 69
Bartholomew, Tallon & Co 577
Bartlett's island, Maine 33
Bass—
Former abundance of 695, 697, 709, 716, 717, 724, 725, 731, 735
In Boston market 195
In California 595
In eastern Florida 525, 529
In South Carolina and Georgia 502, 511
In the great lakes 648, 662
Sea 118, 119, 138, 193, 225, 259, 263
Striped 118, 119, 133, 138, 193, 196, 225, 254, 259, 263, 275
Bass at—
Long Island, New York 345, 347, 376
Plymouth, Massachusetts 221
Bass fishery—
At Long Island, New York 346, 375
Early history of 710, 711, 721, 736
In Connecticut 317, 319
In eastern Florida 529
In Massachusetts 136, 241, 246
In Rhode Island 283, 294, 298, 308, 309, 310
In South Carolina 508
Bass river, Massachusetts 242, 244, 245
Bass-traps 307
Bass-weir 709
Bastard-snappers 507, 508
Bath district—
Review of fisheries of 72
Statistics of fisheries of 72
Bath, Maine—
Commercial interests of 75
Fishery interests of 72, 75
Bath, New York 375
Bay cod fishery 129, 130
Bay de Noquette, lake Michigan 639, 644
Bayfield, lake Superior 635
Bay mackerel 427
Bay-men of Long Island 369
Bay of Chaleur—
Cod fishery 129
Mackerel fishery 43, 65
Bay of Fundy—
Cod fishery 14, 16, 25, 28, 30, 56
Fisheries 23, 32, 35, 39, 40, 44, 65, 67, 154, 174, 175, 195
Bay of Islands herring fishery 170, 171
Bay of Saint Lawrence mackerel fishery (*see also* Gulf) 141, 152, 153, 172, 173, 175, 214
Bayonne 384
Bayou—
Boulfen 579
Chalons, Louisiana 579
Cook, Louisiana 579
Cyprian, Louisiana 579
Muscle, Louisiana 579
Bay Point, Florida 549
Bayport, New York 368
Bay Ridge, New York 376
Bay Shore, New York 365, 370
Bay View, Massachusetts 143, 165
Bayville, New York 348
Beach Haven, New Jersey 394, 396
Beacon Brothers 542
Bear inlet, North Carolina 485
Bear's neck, Massachusetts 141
Beaufort and Morehead City, North Carolina—
Crab fishery of 491
Cured-fish trade of 486
Description of 485
Fresh-fish industry of 486
Mullet fisheries of 487
Porpoise fishery of 490
Pound nets at 489
Quahaug industry of 491
Salmon-trout fishery of 488
Scallop fishery of 492
Turtle fishery of 491
Whale fishery of 490
Beaufort and Port Royal, South Carolina, fisheries of 510
Beaufort, North Carolina 477, 485, 486, 487, 488, 489, 490, 491, 492
Beaufort river, South Carolina 511
Beaufort, South Carolina 501, 504, 510
Beaver islands, Lake Michigan 656
Beaver-skins 62
Belfast district—
Review of fisheries of 45
Statistics of fisheries of 46
Belfast, Maine, fisheries of 45, 47
Belgian fishermen 643
Belgium, exports of fish to 205, 206
Belknap's *History of New Hampshire* 678
Bellmore, New York 372
Bellport bay, New York 362, 365, 367
Bellport, New York 367
Bergen ridge, New Jersey 384
Berkeley, Massachusetts 278
Berlin, Maryland 425
Beverly, Massachusetts—
Cod fishery of 127, 694
Fisheries of 178, 179, 180, 694
Mackerel fleet of, in 1851 116
Biddeford, Maine 97, 98
Biddeford Pool, Maine 97, 98
Big Point Sable, lake Michigan 653
Big Sandy, lake Ontario, fishermen of 672
Bilboa, exports of fish to 130, 693, 696, 705
Billingsgate island, Massachusetts 238
Billington sea, Massachusetts 221
Biloxi, Mississippi 571, 575
Birds, sea, eggs of 592
Black bass 354, 570, 575, 578, 627, 642, 664, 666, 673
Blackfish 284, 502, 506, 511, 525, 552
Fishery 235, 319, 493, 502, 504, 507, 524, 727
Oil 121, 151, 713
Blackfish (or tautog) 314, 316, 360, 383, 390, 735
Blackford, E. G 353
Black Point harbor, Maine 82
Black Point, Maine 81
Black rocks, Merrimack river 134
Blackwater, Delaware 417
Blankinship cove 265
Bloater herring 11, 14, 18, 20, 77, 87, 191, 192
Block island, Rhode Island—
Cod fishery of 267, 273

Block Island, Rhode Island—Continued. Page.
Description of 299
Fisheries of 299
Fishing-boats of 301
History of 302
Lobster fishery of 317
Mackerel fishery of 175
Oysters at 287, 292, 321
Pound-net fisheries of 301
Blue-cod 604
Blue creek, Florida 553, 554
Bluefish 268, 303, 307, 357, 361, 502, 552, 555, 561, 577, 731, 735
Abundance of 296, 358, 360, 361, 362, 370
Catch of 119, 138, 225, 254, 259, 263, 284, 314, 316, 317, 344, 350, 351, 354, 376, 382, 389, 404, 411, 424, 425, 452, 453, 458, 459, 479, 480, 486, 505, 515, 523, 524, 536, 537, 595
Gill-net fishery 227, 228, 232, 247, 309, 389
In Boston market 193, 195, 197
Pickled 121, 188, 225, 248, 255, 483, 487, 562, 564, 568
Smoked 121, 255
Trolling 388, 396
Bluefish fishery in—
Connecticut 317, 332
Louisiana 576
Maryland 425
Massachusetts 195, 227, 228, 238, 239, 241, 243, 244, 245, 246, 247, 248, 249, 253, 255, 256, 257, 260, 265, 267, 269, 273, 274, 729
New Jersey 390, 397
New York 347, 351, 354, 362, 372, 374
North Carolina 481, 482, 483, 485, 496, 497
Pensacola, Florida 567
Rhode Island 294, 297, 298, 301, 304, 306
Virginia 457, 462, 463
Blue Hill, Maine 38
Blue piko 667, 668
Blue Point, New York 366, 368
Blue Point oysters 203, 369
Boat- and vessel-building at—
Bristol, Maine 61
Friendship, Maine 59
Boat-building 57, 59, 60, 61, 63, 69, 101, 132, 134, 145, 241, 643
Boat-fisheries of New England 21, 34, 41, 42, 46, 48, 49, 51, 52, 53, 54, 57, 58, 59, 60, 61, 64, 68, 70, 74, 85, 99, 115, 134, 141, 146, 162, 163, 223, 240
Boat-fishermen of New England 18, 21, 29, 36, 57, 70, 132, 141, 215, 224
Boats and vessels, statistics of, for—
Great lakes 633
Lake Erie 659
Lake Huron 657
Lake Michigan 638
Lake Ontario 672
Lake Superior 634
Boats, number and value of, in—
Alabama 568
Alaska 630
California 594
Connecticut 314
Delaware 411
Eastern Florida 523, 524
Georgia 514, 515
Boats, number and value of, in—Continued. Page.
Great lakes fisheries 633
Gulf states 536
Louisiana 574, 576
Maine 13, 22, 37, 46, 53, 66, 73, 77, 93, 94, 95
Maryland 423, 424
Massachusetts 118, 120, 132, 138, 178, 183, 187, 215, 254, 258, 263, 375
New Hampshire 108
New Jersey 381, 383
New York 343
North Carolina 478, 479
Oregon 624
Pacific coast 592
Pennsylvania 403, 405
Rhode Island 284
South Carolina 504, 505
Texas 582
Virginia 451, 452
Washington territory 625
Western Florida 536
Boats, oyster, statistics of 107, 280, 294, 436, 437, 439, 441
Boca Ceiga bay, Florida 548
Boca Grande, Florida 540
Bogue sound, North Carolina 485, 489
Boisbubert island, Maine 27
Bolinas, California 619
Boneless fish 119, 120, 145, 146, 148, 188, 191, 192, 211, 212, 222, 377
Boxes for 166, 167
Refuse 211, 220
Bonito fishery 118, 119, 259, 262, 263, 268, 274, 301, 388, 389, 576, 595, 597, 600
Bon Secour bay, Florida 570
Boone island, Maine, herring fishing at 98, 99
Booth Bay, Maine—
Early fisheries of 68
Fisheries of 67
Menhaden industry of 65, 69
Present condition of fisheries of 68
Boot pond, Massachusetts 221
Bordeaux, fish exports to 705
Boston district—
Review of 186
Statistics of fisheries of, in 1879 187
Boston fish bureau 190, 192
Boston, Massachusetts—
As a fish market 190
As a fish producer 190
Capital in fishing industry of 190
Clam industry of 198
Early importance of fisheries of 189
Exports of fish-from, in 1633 189
Exports of fish products from 122, 204–207
Fish barrels and boxes at 211, 212
Fisheries of 115, 116, 119
Fish fertilizers at 211
Fish-hook manufacture at 212
Fishing-fleet of, in 1879 189
Fish trade of 186, 187, 189
Fresh-fish business of 193–197
General description of 189
Ice industry of 209, 210
Imports of fish products into 207–209
Isinglass industry of 211

Page.
Boston, Massachusetts—Continued.
Lobster industry of 198
Mackerel fleet of, in 1851 116
Net manufacture at 213
Oil-clothing manufacture at 212
Oyster industry of 199–204
Oysters shipped to 442, 468
Receipts of dry fish at 192
Receipts of pickled fish at 191, 192
Receipts of smoked fish at 192
Salt industry of 209, 210
Trade in boneless fish 191
Trade in canned fish 197
Trade in dry fish 190
Trade in fishing-lines 212
Trade in pickled fish 190
Trade in smoked fish 191
Value of fish caught by men of 187
Whale fishery of 189
Whaling fleet of 115
Bounty—
On fish exports 127
On salt 230
To cod-fishing vessels 128, 129, 135, 156, 184, 216, 221, 230, 683, 694, 702, 707
Bower's beach, Delaware 412, 413
Boxes, fish 71, 140, 148, 166, 167, 211, 212
Brachyopsis verrucosus 612
Bradford, Massachusetts 132, 134
Bradford's *History of Plymouth Colony* 717
Braintree, Massachusetts 213
Early history of fisheries of 712
Branford, Connecticut, oyster industry of 324
Brazil, exports of fish to 205
Brazos Santiago, Texas 586, 587
Bream fishery 507, 516, 529, 570, 575, 578, 712
Bremen, Maine, fisheries of 57, 60
Brenton's cove, Rhode Island 298
Brenton's point, Rhode Island 298
Breslau, New York 371
Brest, lake Erie 662
Brevoortia tyrannus 363, 493, 509, 586
Brewster, Massachusetts 239
Fisheries of, in 1862 728
Mackerel fleet of, in 1851 116
Salt-works at 728
Bridgehampton, New York 362
Bridgeport, Connecticut 332, 336
Oyster business of 335
Bristol county, Rhode Island 303
Bristol Ferry, Rhode Island 283, 297
Bristol harbor, Rhode Island 303
Bristol, Maine—
Boat fisheries of 61
Early settlement of 60
Menhaden industry of 61
Vessel fisheries of 60
Bristol, Rhode Island 286, 303
British Guiana, exports of fish to 205, 206
British Honduras, exports of fish to 205
British provinces, imports from 117
British provincial fishermen 146
Broad bay, Maine, smelt fishery at 64
Broadkill creek, Delaware 414
Broad river, South Carolina, drum fishery of 511

Page.
Broiled mackerel 50
Brookhaven, New York 365, 367
Brooklin, Maine 38, 42
Brooks' *History of Medford, Massachusetts* 712
Brooks, Professor 470
Brooksville, Maine, fisheries of 41, 42
Brook-trout 193, 370, 598
Brownhelm bay, lake Erie 667
Brown's bank, cod fishery on 50, 154, 175, 194
Brown's cove, Maine 58
Brownsville, Texas 586
Brunswick, Georgia 501, 504, 518
Fishery interests of 518
Whale fishery of 518
Brunswick, Maine 79
Clamming interests of 80
Flounder fishery of 81
Brush weirs for herring 19, 21, 23, 24, 26, 28, 33, 34, 38
Bryce, T. T., fish-packer 456
Bucksport, Maine 44
Buffalo, New York 578, 671
Bull-head turtles 664
Bullock's cove, Rhode Island 288, 289
Bullock's point, Rhode Island 318
Bull's bay 507
Bunker City, New York 353
Burnham & Morrill, lobster canning by 88
Burnt Coat, Maine 39
Bushy Point beach, Connecticut 317
Butterfish 118, 119, 249, 259, 263, 268, 294, 307, 359, 383, 389
Buzzard's bay, Massachusetts 199, 249

C.

Cables, manufacturers of 120
Cabrilla 597
Cadiz salt 36, 44, 168, 169, 210, 234
Cain, Captain I 496
Calais, Maine, fisheries of 12, 14
Calf-pasture island, Connecticut 337
California—
Cod fishery of 593
Commercial fisheries of 594
Fisheries of 592
Salmon fishery of 593
Salt industry 591
Sea fishery of 593
Statistics of fisheries of 592, 593
Whale fishery of 593
Cambridge, Maryland, oyster industry 427, 445, 467
Camden, Maine, fisheries of 45, 49
Camp, fishermen's 57, 69, 72
Canada—
Effect of free trade with 17
Imports from 207, 208, 209
Canadian fish competing with American 658
Cana islands, lake Michigan 646
Canarsie, New York 373, 374
Cancale Bay oysters 433
Cancer antennarius 613
Cancer magister 613
Cancer productus 613
Candles, spermaceti 119, 131
Canimicut, Rhode Island 288
Canimicut Point, Rhode Island 289

Page.
Canned—
Clam-chowder 89, 121, 188, 197
Clams .. 11, 22, 25, 34, 37, 47, 77, 81, 89, 93, 96, 370, 484
Crabs 428, 429, 456, 484
Fish 11, 14, 30, 67, 119, 121, 188, 197, 198, 608
Fish-balls 121, 188, 197, 198
Fish-chowder 121, 188, 197
Halibut 629
Herring 10, 11, 25
Lobsters 11, 14, 17, 22, 24, 25, 30, 31, 34, 36, 37, 47, 49, 51, 54, 67, 77, 78, 79, 81, 88, 197
Mackerel 10, 11, 14, 25, 30, 34, 37, 47, 49, 50, 51, 54, 56, 67, 77, 79, 81, 88, 118, 119, 188, 197, 198
Menhaden 370
Oysters 410, 443, 467, 527, 573
Quahaugs 484
Salmon 591, 592, 625, 629
Sardines 10, 11, 25
Shrimp 585
Smelts 121, 188, 197
Spanish mackerel 484
Turtle 484, 527
Cannery—
Clam 44, 81, 96, 98, 370, 484
Crab 429, 456, 484
Lobster 69, 79, 81, 88, 89, 197
Mackerel 69, 79
Canning industry—
At Boston, Massachusetts 197, 198
Of Castine, Maine 44
Origin of, at Eastport, Maine 17
Canoe Place, New York 363
Cape Ann, Massachusetts—
Early history of 686
Fisheries of 115, 137, 143, 162, 163, 164, 686, 698
Cape Breton—
Lobster canneries at 197
Squid fishery 160
Cape Charles, Virginia 461, 463
Cape Cod 115, 127, 146, 159, 230, 723
Fisheries of 223
Cape Elizabeth, Maine 76, 87, 92
Cape Fear, North Carolina 496
Cape Fear river, North Carolina 487, 492
Cape Hatteras 496
Cape Henlopen 403, 409, 415
Cape Lookout, North Carolina 487
Cape May goodies 395
Cape May, New Jersey 394, 395, 397
Cape Mendocino, California 621
Cape Neddock, Maine, fisheries of 101
Cape Negro, cod fishery off 154
Cape Newagen, Maine 68, 70
Cape North cod fishery 175
Cape Porpoise, Maine 98, 99, 100
Cape Sable—
Cod fishery 61, 65, 68, 70, 71, 129, 175, 245
Fishery 699, 701
Cape Small Point, Maine 76
Cape Vincent, lake Ontario, fishermen of 672, 673
Capelin for bait 135
Capeville, Virginia 462
Capital in fisheries of—
Alameda county, California 624
Alaska 630

Capital in fisheries of—Continued. Page.
Barnstable district 224
Bath district 72
Belfast district 46
Boston district 187
California 593, 594
Castine district 36
Connecticut 313
Delaware 411
Del Norte county, California 624
Eastern Florida 523
Edgartown district 258
Fall River district 275
Frenchman's Bay district 29
Georgia 514
Gloucester district 137, 138
Great lakes 633
Gulf states 536
Humboldt county, California 624
Kennebunk district 94
Lake Erie 659
Lake Huron 659
Lake Michigan 638
Lake Ontario 672
Lake Superior 634
Los Angeles county, California 599
Louisiana 576
Machias district 21
Maine 10
Marblehead district 182, 183
Marin county, California 624
Maryland 423
Massachusetts 118, 120
Mendocino county, California 624
Monterey county, California 607
Nantucket district 254
New Bedford district 262
Newburyport district 132
New Hampshire 108
New Jersey 381
New York 343
North Carolina 478
Northern New Jersey 384
Oregon 624
Pacific coast 592
Passamaquoddy district 13
Pennsylvania 403
Plymouth district 215
Portland and Falmouth district 77
Rhode Island 284
Saco district 93
Salem and Beverly district 178
San Diego county, California 599
San Francisco county, California 618
San Luis Obispo county, California 602
San Mateo county, California 607
Santa Barbara county, California 602
Santa Cruz county, California 607
Sonoma county, California 624
South Carolina 504
Southern New Jersey 393
Straits of Mackinac 655
Texas 582
Ventura county, California 599
Virginia 451

Page.
Capital in fisheries of—Continued.
Waldoborough district 53
Washington territory 625
Western Florida 536
Wiscasset district 66
York district 95
Capital in oyster trade of Maryland 448
Capital in salt-water fisheries of—
Alabama 568
Georgia 515
Maryland 424
Capital in sea-fisheries of—
Eastern Florida 524
North Carolina 479
South Carolina 505
Virginia 453
Captiva island, Florida 540, 541
Caranx pisquetus 517
Cardenas market 544
Carmelo bay, California 603
Carmelo, California 603
Carmelo river, California 603
Carmelo Whaling Company 604
Carp 354, 735
Carpenteria, California 600
Carry-away, menhaden 79
Carter & Co 383
Carter's creek, Virginia 460, 471
Cartwright & Co., B. C 353
Carver's Harbor, Maine 50, 51
Casco bay, Maine 76, 78, 79, 80
Clamming interests of 81
Flounder fishery of 81
Cashe's Bank fishery 8, 158, 164
Castine district—
Clam fishery of 36
Lobster industry 36
Review of fisheries of 35
Castine, Maine—
Canning industry of 41
Fisheries of 35, 36, 43
Trade with fishing vessels 44
Casting-nets 576, 585
Cast-net fishery 522, 525, 543, 550, 562
Cast-nets, statistics of 423, 478, 479, 504, 509, 514, 515, 523, 524, 525
Castroville, California 604
Caswell, L. B 111
Casy point, Rhode Island 307
Catfish 411, 484, 485, 516, 517, 530, 578, 586, 618, 642, 643, 650, 662, 664, 665
Cat island, Alabama 571
Cavalli 556
Caviare 377, 503, 505, 510, 633, 639, 642, 651, 657, 663, 665, 666
Cayucos, California 601
Cedar Grove, lake Michigan 647
Cedar Grove, New York 376
Cedar island, Isles of Shoals 111
Cedar Keys, Florida 550
Mullet fishing at 551
Oyster beds at 552
Seine fishery at 550
Cedar point 662, 663, 664
Cedar river, lake Michigan 640

Page.
Central Wharf Company 228
Centre Moriches, New York 365
Centreport, New York 349
Centreville, Massachusetts 248
Centropomus undecimalis 586
Chænobryttus gulosus 516
Chætodipterus faber 586
Chambers's mill, Florida 550
Chandeleur islands 570, 575, 576, 578
Chandler's river, Maine 24
Channel bass 552
Charity islands, lake Huron 658
Charles river, Massachusetts, oyster beds 199, 201
Charleston, South Carolina—
As a commercial center 506
As a distributing center 510
Boat-fisheries of 508
Fishery interests of 501, 504, 506–510
Former importance of fisheries of 506
Menhaden fishery of 509
Mullet fishery of 508
Retail fish trade of 509
Shrimp fishery of 509
Vessel fisheries of 507
Charlestown, Massachusetts, mackerel fleet of, in 1851 116
Charlestown, Rhode Island 286, 289, 308
Charlevoix, lake Michigan 654
Charlotte harbor, Florida 540
Fish curing at 542
Fishing boats of 541
Fishing stations of 540, 541
Charlotte, lake Ontario 673
Chase, Owen 661
Chatham, Massachusetts—
Clam fishery of 241
Cod fishery of 127, 240
History of fisheries of 729
Mackerel fishery of 116, 240
Present condition of fisheries of 240
Weir-fishery of 240
Chatham Port, Massachusetts 240
Chattahoochee river, Florida 559
Chaumont, New York 672, 673
Chebacco boats 35, 40, 50, 129, 163
Chebacco river, Massachusetts 685, 693
Chebeague island, Maine 80
Cheever, George F., on Salem fisheries 695
Chelonia mydas 527
Chequamegon bay, lake Superior 635, 636
Cherryfield, Maine, fisheries of 27
Chesapeake bay—
Oyster beds 469
Oyster industry of 429–448
Oyster industry, statistics of 469
Oyster planting in 469
Oysters 180, 182, 204, 272, 290, 294, 325, 410, 429, 457, 469
Chesapeake Oyster Company 201
Chessehowiska river, Florida 549
Chester river 442
Chicago, Illinois 197, 649
Chili, exports of fish to 205, 206
Chilmark, Massachusetts 258

Page.
Chincoteague bay, Virginia 470
Chincoteague island, Virginia 425, 441
Chinese fishermen 592, 616, 617, 619, 626, 628
Chinese purse-net fishing 612
Chippewa bay fishermen 672
Choctawhatchee inlet, Florida 567
Chogset 735
Chondrus crispus 219
Chowan river, North Carolina 478
Chowder—
Canned 197
Clam 89
Christian, Robert 569
Chub 480, 618, 734, 735
Chum, fish 69
Church & Brother 369
Church Brothers 496
Church, D. T. 297
Churchill, Charles O 223
Church's point, Rhode Island 295
Clam—
Cannery 44, 81, 96, 98, 370, 484
Chowder, canned 89, 121, 188, 197, 370
Diggers 24, 198
Fishery, laws regulating 96, 98, 136
Flats 14, 21, 24, 25, 31, 34, 36, 38, 43, 55, 59, 98, 134, 136, 277
Peddlers 97, 102, 148
Steamer 44, 305
Clam fishery in—
Connecticut 333
Delaware 412, 413, 415, 417, 418
Maine 25, 26, 36, 38, 41, 48, 49, 59, 60, 67, 70, 74, 79, 80, 92, 96, 98, 99, 100, 101, 102
Maryland 425, 429
Massachusetts 134, 136, 165, 198, 215, 220, 222, 232, 234, 239, 240, 241, 244, 248, 249, 255, 256, 269, 270, 274
Massachusetts, early history of 684, 686, 694, 725, 733
New Hampshire 108
New Jersey 387, 388, 392, 398, 399
New York 344, 345, 346, 347, 348
North Carolina 487
Rhode Island 284, 296, 304, 305
Virginia 462
Clams 109, 121, 197, 216, 221, 223, 225, 265, 267, 284, 285, 314, 376, 412, 462, 485, 495, 517, 594, 596, 597, 599, 601, 621, 709, 724, 726, 735
Canned 11, 22, 25, 34, 37, 47, 77, 81, 89, 93, 96, 370, 484
Flushing bay 346
For bait 11, 22, 25, 36, 37, 38, 41, 42, 47, 54, 59, 67, 73, 77, 80, 93, 95, 100, 121, 133, 134, 139, 141, 179, 255, 259, 263, 686, 694, 724, 729
For cod-bait 156, 231, 358
For drum-bait 512
For eel-bait 195, 271
For food 11, 14, 22, 37, 47, 54, 67, 73, 77, 80, 93, 94, 95, 121, 133, 134, 139, 141, 188, 255, 259, 263, 276
Hard 344, 345, 346, 347, 348, 349, 350, 351, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 367, 372, 374, 382, 383, 411, 424, 425, 452, 453, 479, 480, 505, 515, 523, 524
Little Neck 346
Clams—Continued. Page.
Razor 367, 374, 596
Salted 79, 96, 136, 694
Sea 199, 367, 374, 726, 730
Shelled 25, 80, 97
Soft 92, 344, 345, 346, 347, 348, 349, 350, 351, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 364, 367, 371, 372, 374, 375, 382, 383, 385, 392, 393, 399, 411
Clapham, Thomas, fish-culturist 347
Clark, A. Howard 113, 281, 311, 675
Clark's cove 272
Clark's island, Maine 109
Clark's point, Massachusetts 272
Clay banks, lake Michigan 646
Clearwater harbor, Florida 549
Cleveland, Ohio 668
Clinton, Connecticut 318, 321
Oyster industry of 321
Shad fishery of 321
Clinton harbor, Connecticut 321
Club-house, New York 369
Clupea æstivalis 390, 458, 459, 480, 481, 484
Clupea chrysochloris 586
Clupea mediocris 458, 459, 517
Clupea mirabilis 626
Clupea sapidissima 389, 481, 502, 517, 528
Clupea vernalis 390, 458, 459, 480, 481, 484
Cobb's island, Virginia 462
Cobscook bay, Maine 15, 18, 19, 20
Cobscook river, Maine 18, 19, 21
Cocheco river, New Hampshire, oyster-beds in 110
Cod 176, 186, 724, 731, 734, 735
Blue 604
Boneless 148, 188, 377
California 615
Cultus 609, 629
Cured for export 90
Desiccated 148
Early abundance of 695
Evaporated 148
Fresh 89, 118, 119, 133, 138, 147, 172, 178, 183, 187, 193, 194, 215, 221, 225, 254, 259, 263, 284, 314
George's 176
Gill-nets 164
In Charleston market 510
In San Francisco 618
Method of curing 129, 135, 301, 678, 681, 705
Oil 110, 145, 150, 285, 679, 692, 708
Pickle-cured 155, 156
Pickled 86, 91, 121, 139, 172, 188
Presented to Charles the Second 123
Rock 615
Roe 151, 179
Salt for curing 210
Seines 135, 684
Shredded 377
Sounds 142, 151, 167, 179, 679, 694, 702, 707
Tongues 167, 179, 679, 694, 702, 707
Cod, catch of, in—
Connecticut 314
Maine 9
Massachusetts 118
New Hampshire 109
New Jersey 382
New York 344

Page.
Cod, catch of, in—Continued.
Rhode Island 284
Cod, dry, in—
Maine 11, 13, 14, 22, 23, 29, 34, 37, 46, 53, 66, 69, 73, 77, 93, 94, 95
Massachusetts 120, 124, 129, 130, 131, 133, 135, 139, 146, 156, 167, 172, 173, 174, 179, 183, 188, 191, 192, 214, 215, 216, 223, 225, 226, 227, 231, 255, 259, 263, 692, 700, 701, 705
New Hampshire 106
New York 377
Rhode Island 285, 302
Coddington's cove, Rhode Island 298
Codfish—
Exports of 124, 167
Quantity sold in San Francisco 618
Cod fishery—
Bounty to vessels in 128, 129, 135, 156, 184, 216, 221, 694, 702, 737
Gulf of Saint Lawrence 25, 227, 231
History of 124, 127, 129, 130, 131, 678, 680, 682, 683, 685, 690, 691, 692, 693, 694, 696, 701, 702, 704, 705, 706, 707, 708, 713, 715, 717, 719, 723, 725, 726, 727, 729, 730
Statistics of catch ..9, 109, 118, 127, 216, 317, 344, 382
Cod fishery at—
Biddeford Pool, Maine 98
Kennebunk, Maine 99
Long Island, New York 358, 361, 372, 374, 376
Wells, Maine 100, 101
York, Maine 102
Cod fishery in—
Barnstable district 223, 226, 227, 231, 233, 234, 239, 240, 242, 243, 245, 246, 247, 248, 249
Bath district 72, 74, 76
Belfast district 48, 51
Boston district 187, 189, 193, 194, 214
Castine district 35, 39, 40, 41, 42, 44, 45
Connecticut 313, 315, 316
Edgartown district 260, 261, 262
Fall River district 276
Frenchman's Bay district 28, 31, 32, 33, 34, 35
Gloucester district ..137, 141, 145, 146, 147, 154, 155, 156, 162, 163, 164, 172, 173, 174, 175, 176, 177
Machias district 23, 24, 25, 26, 27
Marblehead district 184, 186
Massachusetts 116, 117, 124, 127, 129, 130, 131
Nantucket district 255, 256, 258
New Bedford district 262, 267, 273
Newburyport district 134, 135
New Hampshire 108, 109, 111
New Jersey 384, 390, 391, 392, 394, 396, 397
Passamaquoddy district 14, 16, 20
Plymouth district 214, 216, 221, 223
Portland district 78, 83, 84, 85, 89
Rhode Island 294, 299, 300, 309
Salem and Beverly district 179, 180
Waldoboro' district 52, 56, 58, 60, 61, 63, 64
Wiscasset district 65, 68, 69, 70, 71, 72
Cod fishery of the—
Pacific 593
Shumagin islands 630
Coggeshall's ledge 300
Coggshall point, Rhode Island 298

Page.
Cohansey creek, New Jersey 392
Cohansey point, New Jersey 400
Cohasset, Massachusetts—
Cod fishery of 127
Fisheries in 1821 715
Irish-moss industry of 214
Mackerel fishery in 1860 715
Mackerel fleet of, in 1851 116
Cohasset narrows, Massachusetts 249
Cohasset river, Massachusetts 249
Cold Spring, New York 348, 349
Cole, Augustus, Irish-moss industry by 219
Cole, Charles A., Irish-moss industry by 219
Cole's river, Massachusetts 275, 276, 277, 280
College Point, New York 346
Collin's bay, Massachusetts 181
Collins, Frank W 48
Collins, Harvey 233
Collins, J. W 407, 425
Columbia River salmon fishery 591
Combahee river, Georgia 502
Comstock Brothers 369
Conanicut island, Rhode Island 287, 298
Conception bay, squid at 160
Conch for bait 85, 539
Coney island, New York 374
Conklin, Captain B. F 357
Conneault, Ohio 669
Connecticut—
Fisheries of 313, 716
Mackerel fleet of, in 1851 116
Statistics of fisheries of 313
Statistics of menhaden industry of 313
Statistics of oyster industry of 313
Connecticut river—
Fisheries of 313, 319
Shad fishery of the 115, 319
Connetquoit river 369
Conscience bay, New York 350
Constable hook, New Jersey 384
Contoocook river 131
Contra Costa county, California 619
Cook, Captain Benjamin 159
Cook, W. D., & Sons 332
Cooper river, South Carolina 506
Copper-paint factories 145
Cordage, manufacture of 75
Cordell Banks cod fishery 593
Corfish 62
Corker, Captain Samuel 509
Cornfield Point, Connecticut 319
Corpus Christi, Texas 586, 587
Corrotoma river, Virginia 460
Cos Cob, Connecticut 339
Cottage City, Massachusetts 258
Cottus grœnlandicus 40
Cottus octodecimspinosus 40
Cotuit, Massachusetts 202, 248
Cove oysters 467, 573
Cove sound, North Carolina 485, 489
Coxswain's ledge 300
Crab fishery at—
Long Island, New York 345, 348, 349
Wickford, Rhode Island 307

Page.
Crab fishery in—
California....604, 613
Delaware....412, 413, 415, 416, 417, 418, 419
Gulf of Mexico....570, 577, 578
Maryland....428
New Jersey....387, 391, 392, 399
North Carolina....487, 491
Crabs—
Canned....428, 456, 484
Early abundance of....724, 735
For bait....604
For drum-bait....512
For eel-bait....308
Hard....363, 368, 370, 371, 372, 373, 374, 375, 383, 399, 428, 429
Horseshoe....725
King....393, 725
Soft....193, 197, 363, 368, 370, 371, 372, 373, 374, 375, 383, 410, 416, 417, 428, 613
Crabs, catch of, in—
Delaware....410, 411
Georgia....515
Louisiana....576
Maryland....424, 425, 429
New Jersey....381, 382, 383, 384, 385, 393
New York....344
North Carolina....479, 480
South Carolina....505
Texas....582
Virginia....452, 453, 462
Western Florida....536
Crabs, catch of, on—
Long Island, New York..345, 349, 351, 357, 358, 359, 360, 361, 362, 363, 364, 365, 368, 370, 375, 376
Pacific coast....592, 613
Crampfish....724, 726
Cranberry isles, Maine....33
Crane Neck point, New York....350
Craney Island flats....454
Cranston, Rhode Island....286
Crawfish....578, 594, 596, 605
Canned....601
Fishery....536, 576, 577, 597, 598, 599, 601, 603
For bait....539, 600
Crevallé....517, 552, 578, 586
Crisfield, Maryland....427, 429, 467
Crisfield oyster-packing industry....445
Croakers....411, 425, 454, 493, 502, 508, 511, 525, 529, 570, 574, 584, 586
Croatan sound....456, 483
Crocker, Captain James B....244
Crocker, Daniel B....245
Crockett, Captain L....463
Crooked river, Florida....560
Crowell, Captain Christopher....127
Crow's island, Massachusetts....267
Crystal River bay, Florida....549
Crystal river, Florida....549
Cuba, exports of fish to....205, 206, 207
Cuban markets....540, 544
Culloden point, New York....352
Cultus cod....609, 629
Cumberland Bone Company....69
Cumberland island, Georgia....518
Cumberland, Maine....79

Page.
Cundy's Harbor, Maine....79
Cunners....118, 119, 133, 138, 178, 183, 187, 193, 196, 215, 225, 268
Curers, packers, and fitters, number of, in—
Connecticut....313
Maine....10, 13, 21, 29, 36, 46, 53, 66, 72. 76, 93, 94, 95
Massachusetts....120, 132, 138, 178, 182, 187, 215, 224, 254, 258, 262, 275
New Hampshire....108
Rhode Island....284
Curing fish—
In Florida....564
Methods of....74, 85, 123, 628
Currituck sound, North Carolina, fisheries of....456, 480
Cushing, Maine....55, 57
Cushing's island, Maine, lobster-grounds....87
Cushing's point, Maine, shell-heaps at....81
Cusk....118, 176, 183, 186, 187, 193, 194, 215, 225, 724
Dry....13, 22, 29. 37, 53, 66, 73, 77, 93, 94, 95, 120, 133, 139, 167, 172, 183, 188, 191, 192, 215, 225, 699
Fresh....119, 133, 138, 172, 178
Cusk fishery....84, 100, 109, 118, 194
Cusk-skins, leather from....150
Cutchogue, New York....356
Cutler, Maine, fisheries of....23
Cut river, Massachusetts....222
Cutt's island, Maine....109
Cuttyhunk island, Massachusetts....261
Cymatogaster aggregatus....612
Cynoscion maculatum....462, 486, 487, 493, 502, 511, 525, 528, 529, 586
Cynoscion regale....363, 389, 394, 410, 412, 413, 483, 493, 502

D.

Dab, flat-fish called....361
Dagle, Captain Charles....159
Dago fishermen....585
Dagsborough, Delaware....410, 417
Damariscotta mills, Maine....67
Alewife fishery of....64
Fisheries of....64, 67
Damariscotta river, Maine....60, 64
Damariscove, Maine....65
Dana & Co....90
Dana, Charles A....348
Danish fishermen....566
Danish fishermen of Gloucester....146
Dansby, Francis W....569
Darien, Connecticut, oyster industry of....339
Darien, Georgia....518
Darling & Smithers....457
Dartmouth, Massachusetts....267
Mackerel fleet of, in 1851....116
Marine salt-works at....273
Whaling fleet in 1880....115
Dartmouth river, Massachusetts....273
Davidson, Captain Thomas....315
Davis, J. D....486
Davis Straits whale fishery....316, 317
Davis, W. B....494
Day & La Salle....369
Day & Shipman....383
Deane's *History of Scituate, Massachusetts*....717
De Champlain, French explorer....132

Page.
Deep creek, Virginia 460
Deep Hole, New York 353
Deering & Donnell, ship-builders 75
Deer island, Maine—
Boat fisheries of 41
History of fisheries of 40
Lobster fishery of 41
Vessel fisheries of 41
Delaware 407–419
Crab shipments from 410
Crab skiff 417
Fisheries of 407–419
Fishery grounds of 410
Fishing towns of 412
Importance of fisheries of 410
Interested in whale fishery in 1846 115
Mackerel fishery off coast of 152
Oyster beds of 410
Physical characteristics of 409
Statistics of fisheries of 410
Delaware bay 396, 398, 409, 412
Delaware river 400, 403
Del Norte county, California 623
Statistics of fisheries of 624
Denise, Rusha 465
Dennis creek, New Jersey 394
Dennis, Massachusetts 116, 238, 243, 729
History of fisheries of 729, 730
Mackerel fleet of, in 1851 116
Salt-works at 127
Dennis Port, Massachusetts 241, 243
Denny's river, Maine 18, 19
Dennysville, Maine, fisheries of 19
De Père, lake Michigan 644
Desiccated fish 148
Detroit, Michigan 660
Detroit river 661
Devil-fish, dried 604
D'Homergue, Louis C 369
Diabasis chrysopterus 493, 507
Dickerson, H. R 353
Dickinson bay, Florida 554, 557
Dighton, Massachusetts 277, 278
Diplectrum fasciculare 507
Diplodus probatocephus 389, 394, 462, 502, 511, 525, 529, 586
Diplodus rhomboides 586
Dip-net fishery 64
Dip-nets 423, 478, 479, 504, 505, 514, 515, 523, 524
Disasters to—
Fishermen 649, 652
Fishing fleet 137
Mackerel fleet 172
Distribution of—
Fishing products 165, 166
Fresh fish 197
Ditrara jacksoni 600
Dividing creek, Virginia 471
Diving-net fishery 398
Dodge, Simeon 185
Dogfish 626, 628, 724, 735
Annoyance to fishermen 150
Fishery 269, 627, 629
Oil 150, 172, 233
Skins, use of 150

Page.
Dog-salmon 627
Donald's cove, Maine 101
Dorchester county, Maryland 437
Dorosoma cepedianum 484
Dory 645
Building 59, 60, 61
Hand-lining 68
Industry of Salisbury 134
Origin of 131, 134
Doten, Samuel H 223
Douglass, Captain Daniel 158
Douglass' *History of North America* 705
Dover bay, lake Erie 668
Dover, Delaware 412
Dower, Augustus 160
Doxsee, Frank 370
Dragging for mackerel 58, 61, 63, 64
Drag-net fishery 487, 488, 609, 610, 611
Drag-seine fishery 480
Drag-seines, statistics of ... 343, 381, 383, 385, 393, 403, 411, 423, 424, 429, 451, 452, 478, 479, 504, 505, 514, 515, 523, 524.
Drake's bay, California 620
Drawbridge, Delaware 414, 415
Dried—
Fish-sounds 22, 67
Shark-fins 598
Shrimp 618
Sounds 73, 78, 93, 94, 95, 109
Sounds for isinglass 119
Squid 604
Sturgeon 79
Drift-net fishery 373
Drop-net fishery 487
Drownville, Rhode Island 288, 318
Drum 502, 525, 529, 574, 586
Bait for 512
Curing of 511
Fishery 425, 426, 511
Salted 487
Drumfish, catch of 411
Drums—
Codfish in 83, 90
For packing cod 135
For packing fish 167, 211, 212
Dry cod in—
Maine 11, 14, 22, 23, 29, 34, 37, 46, 53, 63, 69, 73, 77, 83, 93, 94, 95
Massachusetts ..... 120, 124, 129, 130, 131, 133, 135, 139, 146, 167, 172, 173, 174, 179, 183, 188, 191, 192, 214, 215, 216, 223, 225, 226, 227, 231, 255, 259, 263, 692, 700, 701, 705.
New Hampshire 105, 106
New York 377
Rhode Island 285, 302
Dry cod, methods of curing 681
Dry cusk ..... 22, 29, 37, 53, 66, 73, 77, 93, 94, 95, 120, 133, 139, 167, 172, 183, 188, 191, 192, 215, 225, 699.
Dry fish—
Exports of 167, 204, 205, 217, 218
For export, mode of packing 167
Gloucester's trade in 146, 148

Dry fish—Continued. Page.
On the Pacific coast.....594, 598, 607, 612, 618, 624
Receipts of, at Boston 192
Trade of Boston 190, 191, 192
Dry haddock 11, 14, 22, 29, 34, 37, 46, 53, 66, 73, 77, 93, 94, 95, 120, 133, 139, 167, 172, 183, 188, 191, 192, 215, 225
Dry hake 13, 14, 22, 23, 29, 34, 37, 46, 53, 66, 73, 74, 77, 91, 93, 94, 95, 120, 133, 139, 167, 172, 183, 188, 191, 192, 215, 225, 692
Dry mullet-roes 494, 526
Dry pollock .....14, 22, 29, 37, 46, 53, 66, 73, 77, 91, 93, 94, 95, 120, 133, 139, 167, 172, 183, 188, 192, 215, 225, 255, 259, 263, 692.
Duck island, Isles of Shoals..... 111
Duck pond, Massachusetts..... 727
Duluth, fisheries of..... 634
Duncan's Mills, California 619
Dunfish at Isles of Shoals..... 681
Dunkirk, New York 670
Dunstan river, Maine..... 96
Durham river, New Hampshire 106, 107
Durrey's island, Connecticut..... 324
Dutch Guiana, exports of fish to 205, 206
Dutch island, Rhode Island 307
Duties—
On imported fish 128
Vessels exempt from..... 122
Duxbury, Massachusetts.....115, 127, 214, 220, 717
Dwyer's river, Virginia 460
Dyer's bay, Maine 27
Dyer's creek, New Jersey 396, 398
Dymer's creek, Virginia 371

E.

Eagle island, Maine 40
Earll, R. E.....5, 379, 401, 421, 475, 499, 519
East bay, Massachusetts 247
East Booth Bay, Maine.....65, 67, 69
East Brewster, Massachusetts..... 239
Eastern bay 442
Eastern Florida and its fisheries 519, 521
Eastern point, cape Ann, Massachusetts 143
East Falmouth, Massachusetts 252
East Greenwich, Rhode Island 285, 305, 306
Eastham, Massachusetts 116, 238, 725
East Haven, Connecticut 324, 330
East Hampton, New York 360, 361
East Harwich, Massachusetts 241
East India, exports of fish to..... 206
East Machias, Maine, fisheries of..... 23
East Marion, New York.....353, 358
East Moriches, New York 364
East Northport, New York 349
Easton, Maryland 427
East Orleans, Massachusetts 239
Eastport, Maine 12, 15, 88, 145, 162, 173
Boat fisheries of 18
Canning industry of 17
Cod fishery of..... 16
Effect of free trade with Canada 17
Frozen-herring trade 17
Haddock smoking at 17
Mackerel fishery of 16
Magdalen islands, fishery of..... 16
Eastport, Maine—Continued. Page.
Origin of fisheries of 15
Sardine industry of 17
Trade in fishing products 18
Vessel fisheries of..... 18
Eastport, New York 364
East Providence, Rhode Island..... 286
East River, Connecticut 322
East Setauket, New York 350
East Thomaston, Maine..... 54
East Wareham, Massachusetts 264
Ebenecook harbor, Maine 70
Eden, Maine..... 33
Edgartown district—
Review of 258
Statistics of fisheries of 258
Edgartown, Massachusetts..... 258
Boat line-fishery of 260
History of..... 732
Whaling fleet of.....115, 260
Edgecomb, Maine, fisheries of..... 67
Edisto river, South Carolina.....502, 504, 508
Edmonds, R. H 423, 427, 429, 464
Edmunds, Maine 19
Eel fishery at Long Island, New York.....350, 351, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 368, 369, 370, 371, 372, 373, 374, 375
Eel fishery in—
Connecticut.....316, 317, 324
Delaware 419
Maine 64, 67
Maryland 427, 428
Massachusetts...118, 132, 178, 195, 221, 222, 245, 246, 252, 253, 255, 260, 270, 271, 274, 277, 712, 724, 725
New Jersey 388, 396
Rhode Island.294, 298, 303, 304, 305, 306, 307, 309, 310
Eel-pots.....120, 138, 178, 183, 195, 223, 224, 254, 258, 263, 268, 275, 277, 284, 314, 415, 417
Eel river, California 622
Eel River salmon fishery..... 593
Eels 118, 119, 132, 133, 138, 183, 186, 187, 193, 221, 255, 259, 263, 268, 271, 284, 304, 314, 316, 345, 425, 485, 586, 716, 724, 727, 731, 734, 735
Pickled 377
Salted 132
Smoked 377
Egg Harbor, New Jersey 236
Eggmoggin reach, Maine 40
Eggs of sea-birds 614
Elizabeth City county, Virginia, statistics of fisheries of 456
Elizabeth City, North Carolina 484
Elizabeth City county, Virginia 453, 456, 465
Elizabeth isles, Massachusetts 115, 258, 261, 733
Elizabeth river, Virginia 453, 455
Elliott, William, on drum fishery 511
Ellsworth, Maine..... 34, 35
Ellsworth, Tuthill & Co 353
Ellwives 428
Embargo, effect on fisheries 128
Emery, James..... 210
Enconfina river, Florida..... 553
England—
Imports from..... 137
Exports of fish to 205, 206, 207

Page.
English fishermen 146, 566, 643
Enterprise, Florida 530
Epinephelus Drummond-Hayi 517
Epinephelus morio 517
Erie, Pennsylvania 670
Escambia bay, Florida 567
Escambia county, Florida 566
Escanaba, Michigan 639
Esox americanus 516
Essex county, Virginia 465
Essex Institute historical collections 698
Essex, Massachusetts 115
Clam industry at 140, 694
Fishing-line factory at 140
Growth of fisheries of 693
Mackerel fleet of, in 1851 116
Ship-building at 140
Eulachon 626, 629
Eureka, California 621
Evaporated fresh codfish 148
Excelsior Oil and Guano Company 495
Exeter, New Hampshire, fisheries of, in 1792 679
Exeter river, New Hampshire 106, 107, 111
Export, mode of packing fish for 167
Exports of—
Dried fish, bounty on 128
Fish from Boston in 1633 189
Fish from Plymouth district 217, 218
Fish products from Boston 204–207
Export trade in fish 90, 122, 123, 124, 125, 129, 189, 198, 204, 217, 221, 679, 680, 682, 685, 700, 705, 710

F.

Factory hands in the fishery industry, number of, in—
Delaware 411
Maine 10, 13, 21, 29, 36, 46, 53, 66, 76, 93
Maryland 423
Massachusetts 120, 138, 187, 224, 262, 275
New Jersey 381
New York 343
North Carolina 478
Virginia 451
Fair Haven, Connecticut 326, 442, 468
Fair Haven fishermen 672
Fair Haven, lake Ontario 673
Fairhaven, Massachusetts—
Description of 267
History of whale fishery of 269
Weir-fisheries at 267
Whaling fleet of, in 1846 115
Fair Haven, New Jersey 387
Fair Haven, New York 673
Falcon Oil Works 353
Fall River district 115
Review of 275
Statistics of fisheries of 275
Statistics of oyster interests of 280
Fall River, Massachusetts, menhaden fishery of 276
Falmouth, Maine 76, 79, 81
Falmouth, Massachusetts 252, 732
Faneuil Hall fish-market, Boston 193
Farralone islands, California 608, 609
Farralone Island crabs 613
Farran, Captain Merritt 325
Far Rockaway, New York 373
Farrow, J. H 395
Fat-backs 425, 493
Felisado & Co 577
Felton, Richard 484
Felt's *History of Salem* 695, 702
Fenwick's island, Delaware 418
Fernald's island, Maine 109
Fernandina, Florida—
Boat fisheries of 524
Extent of fisheries of 525
Fertilizer factories 69, 119, 220
Fertilizer, fish for 10, 22, 24, 26, 29, 37, 53, 66, 73, 77, 93, 94, 95, 108, 118, 119, 120, 307, 314, 429, 685, 695, 711
Fertilizers—
From oil refuse 150
From seaweed 69
Herring for 26, 696, 731
King crabs for 393
Manufacture of 213
Marine products for 11, 14, 22, 37, 47, 67, 73, 78, 93, 94, 95
Field, A. 443
Field's Point, Rhode Island 289
Finback whales 724
Finhalloway river, Florida 553, 554
Finnan haddies 11, 14, 17, 47, 77, 86, 87
Fire island, New York 352
Fire Island inlet, New York 365, 367
Fire Island oil-works 369
Fish-balls—
Canned 121, 188, 190, 197, 198
Method of canning 198
Fish-box shooks 71
Fish chowder, canned 121, 188, 198
Fish creek, Michigan 639
Fishermen—
Austrian 615
Belgian 643
Boat 46, 53, 66, 68, 72, 76, 93, 94, 95, 108, 117, 132, 138, 178, 182, 184, 215, 224
British provincial 146
Danish 146, 566
Duties of 704
English, of Gloucester 146
French 146, 642, 643
From Mediterranean ports 585
German 566, 642, 643, 646, 647, 649, 665, 669
Greek 608, 615
Irish 146, 220, 566, 642
Italian 615, 621
Morals of 146
Norwegian 642, 643
Oyster 434, 435
Polish 643
Portuguese 146, 214, 231, 608
Profits of 145, 146, 537, 543, 567, 571, 584, 636, 690, 696
Public service of 135
Scotch 146, 566
Spanish 566, 608
Swiss 643

Fishermen—Continued. Page.
Vessel.....46, 53, 66, 72, 76, 93, 94, 95, 108, 117, 120, 132, 138, 178, 182, 187, 215, 224
Fishermen of—
Boston 194
California..... 592
Galveston.....145, 585
Isles of Shoals..... 681
Louisiana..... 576
Mobile..... 569
Monhegan island 63
Ocklockonee bay 557
San Francisco 608
Swampscott, Massachusetts..... 186
Texas..... 583
Fishermen, number of, in—
Connecticut..... 313
Delaware 411
Eastern Florida 523
Georgia 514, 515
Gulf states.....536, 568, 574, 575, 582
Maine ..9, 10, 13, 21, 29, 36, 46, 53, 66, 72, 76, 93, 94, 95
Maryland 423, 424, 429, 438
Massachusetts 117, 120, 132, 138, 178, 182, 187, 215, 224, 254, 258, 263, 275
New Hampshire 108
New Jersey 381, 382, 384, 393
New York 343
North Carolina 478, 479
Pennsylvania 403, 405
Rhode Island..... 284
South Carolina 504, 505
Virginia 451, 452
Fishermen, number of, on—
Great lakes 633, 634, 638, 657, 659, 672
Pacific coast. 592, 593, 594, 599, 602, 607, 618, 624, 625, 630
Fishermen's Widows and Orphans' Aid Society.... 176
Fisher's Island sound 317
Fish-glue from fish-skins 119, 142, 149
Fish-guano 121, 139, 149, 188, 226, 276, 307
Fish-heads for eel-bait..... 195
Fishing bay 442
Fishing island, Maine..... 109
Fish island, Massachusetts..... 267
Fish-lines 140, 212
Fish-manure 284
Fish-oil 11, 14, 17, 22, 37, 47, 54, 67, 73, 78, 90, 93, 94, 95, 109, 121, 129, 130, 131, 133, 134, 139, 146, 150, 151, 172, 173, 174, 176, 179, 180, 183, 255, 259, 264, 276, 284, 302, 569, 592, 625, 630, 633, 639, 657, 663, 665, 694, 702, 707
Fish-skins, utilization of 149, 150
Fish-sounds.....11, 14, 18, 22, 37, 47, 54, 67, 73, 78, 109, 119, 121, 133, 136, 139, 151, 183, 188, 216, 226
Fish-spawn 121, 133, 139, 151, 152, 183, 188, 226
Fish-tongues 145, 154
Fishways at Waldoborough, Maine..... 59
Fithian, William J.....353, 357
Five-Mile river, Connecticut 339
Flake-yards for fish-curing.....31, 85, 144
Flat bay, Maine 26
Flatfish 284, 294, 314, 316, 361, 735
Flatfish fishery 245, 307, 317, 351, 355, 359, 360, 361, 363
Flatlands, New York.....373, 374
Flemish Cap, fishery on..... 158
Fletcher's neck, Maine 97
Flint river, Florida 559
Floating traps 142, 164, 165, 177
Florida—
Fisheries of..... 535
General characteristics of..... 521
Mullet fisheries of 522
Sponge fisheries of.....522, 535
Western 535
Western, statistics of fisheries of 536
Flounder fishery 26, 49, 81, 193, 195, 247, 248, 253, 260, 271, 272, 273, 277, 297, 303, 306, 309, 310, 315, 317, 332, 348, 349, 354, 596, 609, 615, 619, 620, 622, 627
Florida, eastern 519, 521
Principal fishery districts in 524
Sea fisheries of 523
Statistics of fisheries of 522, 523
Turtle fishery of..... 522
Flounder fyke-nets 81
Flounders 118, 183, 188, 193, 215, 225, 268, 294, 316, 317, 411, 525, 529, 552, 586, 595, 597, 600, 724, 731, 735
Dried 628
For lobster-bait 40
Fresh 119, 133, 138, 172, 178, 255, 259, 263, 276, 284, 314, 376
In San Francisco 618
Flushing bay, New York 345, 346
Flushing, New York 345
Flying-fish, catch of 597
Fly-tails 484
Fogland point, Rhode Island..... 295
Folly cove, cape Ann 143, 162, 163
Fontenelle, Louisiana..... 579
Ford's river, New York 365
Foreign trade in fish..... 167
Fore river, Maine..... 82
Forestville 659
Forge river, New York..... 364
Forsyth, Dr. J. B..... 249
Fort Hamilton, New York..... 375
Fort Pond bay, New York 352, 360
Fort Ross, California 619
Fortune Bay outrage 162
Foul fish 530
Four Bayous, Louisiana 579
Four Tree island, New Hampshire..... 109
Fowler, Captain W. M..... 416
Fox island, Maine 45, 50
France—
Fish exports to.....705, 706
Oyster culture in 472
Frankford, Delaware 410, 417, 418
Frankfort, lake Michigan..... 652
Franklinville, New York..... 355
Fraser's river..... 629
Fredrica, Delaware..... 413
Freeman, Captain Jesse 224
Freeman's *History of Cape Cod* cited.....242, 719
Freeport, Maine 79
Freeport, New York 372

Page.
Freetown, Massachusetts 278
Free trade, effect of, with Canada 17
French fishermen 642, 643
French fishermen of Gloucester 146
French Guiana, exports of fish to 205, 206
Frenchman's Bay district—
Review of fisheries of 28
Statistics of fisheries of 28, 29
Frenchman's bay—
Lake fishery 28
Herring fishery 28
Lobster fishery 28
Menhaden fishery 28
Fresh fish 22, 29, 138, 284, 486, 607, 634, 657, 660
Catch of, in lake Ontario 672
Distribution of 147, 166
Exports of 206
For bait 37, 46, 53, 66, 73 77, 93, 94, 95, 108, 120
For fertilizer 46, 53, 66, 73, 77, 93, 94, 95, 108, 120
For food 53, 73, 77, 93, 94, 95, 108, 120
For oil 120
Gloucester's trade in 146, 147
Imports of 207, 208, 209
Industry at Pensacola, Florida 567
In Gloucester district 137, 139
In Newburyport district 133
Method of packing 147, 197
Of California 459
Of great lakes 633
Of lake Michigan 639
Products in Maine 19
Statistics for Massachusetts 118, 110
Trade of Boston 193
Trade of Portland 89
Fresh halibut fishery 83, 117
Fresh livers 172
Fresh lobsters in Maine 11
Fresh mackerel 243
Fresh water—
Fish 221, 412, 413, 414, 415, 417, 418, 419, 423, 481, 485, 494, 516, 570, 575, 578
Perch 712
Trout 516, 529
Friendship, Maine, fishery industries of 57, 58, 59
Frogs 376, 613
Frost-fish 317, 710, 724, 735
Catch of, in Massachusetts 118
Fresh 119, 259, 263
Frozen—
Bluefish 195, 197
Fish 633, 639, 654, 657, 660, 666, 672
Herring 176
Herring for bait 154, 163, 164
Herring for cod-bait 155
Herring, receipts of, at Boston 194
Herring trade 12, 17, 18, 19, 145, 161, 162
Mackerel 197
Salmon 195, 197
Shad 197
Smelts 195
Funnel-traps for bass 273
Furber's straits, New Hampshire, oyster fishery 106

Page.
Fur-seal fishery 18, 120, 271, 314, 315, 324, 591, 593, 596, 683
Fyke-net fishery 297, 303, 306, 307, 310, 315, 316, 317, 320, 332, 355, 359, 360, 361, 367, 371, 375, 383, 627, 643, 658, 662, 663, 664, 665, 666, 667, 673
Fyke-net fishery for shad 374
Fyke-nets—
Flounder 81
Statistics of 284, 314, 343, 381, 385, 393, 403, 411, 423, 424, 451, 452, 478, 479, 504, 505, 514, 515, 523, 524
Fykes 22, 29, 66, 77, 93, 94, 95, 277, 419
Fykes in Maine 10, 37, 46, 53

G.

Galeorhinus galeus 598
Gallup & Kenniston 463
Galveston bay, Texas 584
Galveston, Texas—
Apparatus and methods of fisheries of 585
Fishermen of 585
Products of fisheries of 585
Gardiner's bay, New York 351, 354, 361
Gardiner's island, New York 352, 360
Gardiner, W. S 360
Gardner place, Connecticut 319
Gar-fish 484, 530
Gasparilla island, Florida 540, 541
Gaspé Point oysters 293
Gaspé Point, Rhode Island 289
Gay Head, Massachusetts 258
George's bank—
Cod fishery 51, 61, 70, 83, 117, 145, 147, 154, 155, 170, 173, 174, 175, 180, 194, 240, 317, 691, 692
Cod fishery, vessels in 154
Cod-fishing ground 137
Fishery 172
Fishery, losses in 176
Haddock fishery 194
Halibut fishery 117, 157, 158, 194, 691
George's cod fishery, bait for 159
George's island, Maine 55, 56, 63
George's islands, Maine, population in 1630 60
George's men, big fares of 155
George's shoals, geology of 8
Georgetown, Maine 71, 72, 73
Georgetown, Massachusetts 245
Georgetown, South Carolina 501, 504, 506
Georgia—
Fisheries of 499
River fisheries of 514
Statistics of fisheries of 514
Statistics of salt-water fisheries of 515
German—
Fishermen 566, 642, 643, 646, 647, 649, 665, 669
Oystermen 465
Germany, imports from 137
Gerrish island, Maine 109
Gibraltar, exports of fish to 217, 218
Gig harbor, Washington territory 627
Gillett's bay, Connecticut 319

Gill-net— Page.
Bluefish fishery 232, 239, 248
Fishery 162, 244, 256, 306, 315, 319, 388, 389, 397, 460, 462, 483, 518, 555, 557, 561, 576, 584, 596, 597, 600, 605, 634, 635, 636, 637, 639, 640, 641, 645, 646, 647, 648, 649, 651, 652, 653, 655, 656, 657, 658, 659, 664, 666, 668, 673
Fishery for mullet 551
Fishery for shad 374, 484, 517
Fishery for sturgeon 502
Mackerel fishery 134, 135, 232, 234, 463
Gill-nets—
Cod 164
Herring 99
Salmon 195
Statistics of 284, 314, 343, 381, 383, 385, 393, 403, 411, 413, 414, 415, 417, 418, 419, 423, 424, 429, 451, 452, 478, 479, 488, 504, 505, 514, 515, 523, 524
Gill-nets, statistics of—
In boat fisheries of Maine 10, 13, 22, 29, 37, 46, 53, 66, 73, 77, 93, 94, 95
In boat fisheries of Massachusetts 120, 132, 138, 183, 187, 223, 224, 254, 258, 263
In boat fisheries of New Hampshire 108
In vessel fisheries of Maine 10, 13, 22, 29, 37, 46, 53, 66, 73, 77, 93, 94, 95
In vessel fisheries of Massachusetts 120, 132, 138, 178, 183, 187, 215, 224
In vessel fisheries of New Hampshire 108
On great lakes 633, 634, 638, 655, 657, 659, 672
Girella nigricans 596
Gizzard shad 484, 485, 530
Glen Cove, New York 347
Glen Haven, lake Michigan 652
Glen Head, New York 347
Glenwood, New York 347
Globiocephalus intermedius 235
Gloucester county, Virginia 457, 465
Gloucester district—
Fisheries of 119, 137
Statistics of fisheries, 1869 to 1876 139
Gloucester harbor, Massachusetts 143
Gloucester, Massachusetts 115, 116, 124, 127, 143
Bank cod fishery of 170, 171, 173, 174, 175
Banquereau cod fishery of 156
Boat fisheries of 162
Clam industry of 165
Cod fishery in 1844 691
Cod fishery of, from 1765 to 1790 127
Distribution of fishery products from 165
Early history of 686
Emigrations to Maine from 124
Fish boxes and barrels at 166
Fisheries interrupted by war 690
Fisheries, 1821 to 1869 ....691, 692
Fishermen of 145
Fishermen's profits at 690
Fish-glue factory at 149
Fish-oil industry of 150
Fish-sounds at 151
Fish-spawn for bait 151
Fish trade of 146
Gloucester, Massachusetts—Continued. Page.
Floating-trap fishery of 164
Foreign trade of 167, 692
Fresh-fish business of 147
Fresh-halibut fishery of 156
From 1629 to 1663 688
From 1700 to 1779 689
Frozen-herring trade of 161
General description of 143
George's cod fishery of 154, 170, 171, 173, 174, 175
Grand bank cod fishery of 155
Greenland halibut fishery of 158, 170, 172, 173
Halibut fishery of 117, 173, 174, 175
Herring boat fishery 163
Herring fishery of 170, 171, 173, 174, 175
Ice industry of 168
In 1642 688
Inshore fisheries of, 1792 to 1828 691
International difficulties 160
Lobster industry of 165
Losses of life and property 176
Mackerel fishery of 152, 171, 173, 174, 175
Mackerel fleet of, in 1851 116
Mackerel inspection of 117
Menhaden bait fishery of 159
Mutual insurance at 146
Products of fisheries in 1875 172
Provisions used on fleets from 169
Salt industry of 168
Shore vessel-fisheries of 164
Squid-bait fishery of 159
Statistics of fisheries in 1870, 1871, 1872, 1873, 1877, 1878, 1879, 1880, and 1881 170–175
Trade in boneless fish 148
Trade in dry fish 148
Trade in mackerel 149
Trade in pickled fish 148
Trade in smoked halibut 149
Valuation and population of 144
Vessel-fitters of 145
Western Bank cod fishery of 155
Winter haddock fishery of 158, 170, 174
Glover, W. H 353, 357
Glue, fish 119, 142, 149
Glue, fish, manufacture of 145
Goat island, New Hampshire 109
Goleta, California 599
Goode island, Connecticut 337
Good Ground, New York 363
Goodwin, Captain Thomas 159
Gooseberry island, Rhode Island 298
Goose creek, Florida 554
Goose-fish 383
Gosnold, Massachusetts 258, 261
Goss, F. B 226
Gott's island, Maine 33
Gould, A. A 249
Gould, William, cited 81
Gouldsboro' bay, Maine 27
Gouldsborough, Maine—
Hake fishery of 31
Menhaden fishery of 31
Whale fishery of 30
Governor's island, New York 376
Grampus 235, 724, 731

Page.
Grand Bank—
Cod fishery.....28, 32, 35, 39, 41 42 43, 45, 50, 60, 63, 64, 68, 78, 83, 108, 109, 117, 145, 146, 147, 155, 156, 170, 171, 172, 175, 179, 180, 184, 189, 214, 226, 227, 245, 691, 692, 706, 717, 723, 729
Halibut fishery.....11, 157, 158
Grand Haven, lake Michigan..... 652
Grand island, lake Superior..... 637
Grand Manan—
Frozen-herring trade..... 162
Herring fishery.....170, 171, 172, 173, 174, 175
Grand Traverse bay..... 654
Grants of land to fishermen..... 697
Gravelly island, Massachusetts..... 254
Gravesend bay, New York.....373, 374
Gravesend, New York..... 374
Gray, S. H..... 495
Gray's harbor, Washington territory..... 629
Gray trout..... 453
Great Bay, New Hampshire, oyster fishery..... 106
Great bay, New Jersey.....393, 398
Great Choptank river..... 442
Great Deer isle, Maine..... 40
Great Egg Harbor inlet, New Jersey..... 398
Great Egg harbor, New Jersey.....393, 398
Great Egg Harbor river..... 398
Great lakes—
Fisheries of the.....344, 404, 631–673
Statistics of fisheries of the..... 633
Great Neck, New York.....346, 347
Great pond, Massachusetts..... 727
Great pond, Rhode Island..... 299
Great Salt pond, Rhode Island..... 289
Great South bay, New York.....357, 362, 365, 371
Great South pond, Massachusetts..... 221
Greek fishermen.....608, 615
Green Bank cod fishery..... 729
Green Bay city, lake Michigan..... 643
Green bay, lake Michigan..... 639
Greenland bay, New Hampshire.....106, 107
Greenland halibut fishery.....146, 147, 158, 170, 173, 174, 175, 176
Greenport, New York.....159, 353, 357, 359
Green Run inlet, Maryland..... 425
Green turtle.....525, 526, 527, 536, 537, 576, 582, 585
Greenwich bay, Rhode Island.....291, 305
Greenwich, Connecticut, oyster industry of..... 339
Greenwich cove, Connecticut..... 339
Green, William P., & Co..... 353
Grind Stone City, Michigan..... 659
Groton, Connecticut..... 316
Ground-fish.....92, 97, 99, 100, 102, 108, 111, 112, 164, 186, 193, 197
Groupers.....517, 525, 535, 536, 537, 539, 577
Grunt fishery.....493, 507, 508, 539, 552
Guadaloupe, California..... 600
Guadeloupe, fish exports to..... 167
Guano—
Factories..... 353
Fish.....121, 139, 147, 149, 167, 188, 226, 276, 307
Menhaden.....53, 61, 65, 69, 118, 276, 285, 297, 314, 324, 353, 354, 383, 398, 458, 460, 461
Guard-house, Connecticut..... 319
Guilford, Connecticut, oyster industry of.....321, 322
Guilford river, Connecticut..... 322

Page.
Gulf of Mexico, fisheries of.....533, 535–587
Gulf of Mexico Oyster Company..... 573
Gulf of Saint Lawrence (*see also* Bay)
Cod fishery.....25, 41, 60, 63, 226, 227, 231
Mackerel fishery.....31, 35, 38, 42, 61, 63, 70, 83, 84, 134, 180, 184, 241, 684, 691
Whale fishery..... 229
Gulf pond, Connecticut..... 334
Gulf states—
Extent of the fisheries of the..... 535
Statistics of fisheries of..... 535
Gull pond, Massachusetts..... 727

H.

Hackensack river, New Jersey..... 384
Hack-traps..... 514
Haddock.....176, 186, 724, 731, 735
Catch of, in Maine..... 9
Catch of, in Massachusetts..... 118
Catch of, in New Hampshire..... 109
Curing..... 31
Dry.....11, 13, 14, 22, 29, 34, 37, 46, 53, 66, 73, 77, 93, 94, 95, 120, 133, 139, 167, 172, 183 188, 191, 192, 215, 225, 255, 259, 263
Early method of curing..... 682
Exports of..... 167
Fishery.....17, 18, 23, 25, 26, 27, 41, 51, 52, 74, 78, 84, 89, 98, 99, 100, 101, 111, 115, 141, 146, 158, 162, 163, 164, 170, 175, 186, 193, 194, 248, 255, 309, 704, 707
Fishery, method of sharing in..... 158
For lobster-bait..... 165
Fresh.....119, 138, 158, 172, 178, 183, 188, 190, 193, 194, 215, 225, 255, 376
Fresh, trade in..... 147
In Charleston market..... 510
Inspection of pickled..... 86
Liver oil..... 150
Pickled, trade in..... 91
Smoked.....11, 14, 17, 18, 47, 77, 86, 87
Smoking, method of..... 87
Smoking, origin of, in America..... 87
Trade in fresh..... 89
Hair-seal..... 601
Hake—
Catch of, in Maine..... 9
Catch of, in Massachusetts..... 118
Catch of, in New Hampshire..... 109
Curing..... 31
Dry.....11, 13, 14, 22, 23, 29, 34, 37, 46, 53, 66, 73, 74, 77, 93, 94, 95, 120, 133, 139, 167, 172, 183, 188, 191, 192, 215, 225, 692
Dry, trade in..... 91
Early method of curing..... 682
Exports of..... 167
Fishery.....14, 17, 18, 19, 23, 26, 27, 28, 30, 31, 35, 41, 51, 58, 65, 68, 74, 84, 85, 98, 99, 100, 101, 111, 162, 163, 193, 194, 227, 228, 294, 507, 691, 704
Fresh.....119, 133, 138, 172, 178, 183, 188, 193, 194, 215, 225
Oil.....150, 172
Sounds.....151, 162, 163, 172
Trade of Portland..... 91

Page.
Hale, Smith D 569
Haley's island, Isles of Shoals 111
Half-Moon bay, California 606, 608
Halfway pond, Massachusetts 221
Halfway Pond river, Massachusetts 264
Halibut 615, 621, 626, 627, 628, 629, 692, 724, 731
Bank 176
Bastard 595
Canned 629
Catch of, in Connecticut 316, 317
Catch of, in Massachusetts 118
Catch of, in New Hampshire 109
Fins, pickled 121, 139, 172, 188
Fishery 61, 83, 89, 231, 316, 317, 609, 629, 692, 694
Fishery, fletched 60
Fishery, George's bank 176, 691
Fishery, Greenland 158, 173, 174, 175, 176
Fishery, vessels in 9, 156
Fletched 176
Former abundance of 157
Fresh 115, 117, 119, 131, 138, 145, 146, 154, 156, 157, 171, 172, 173, 174, 175, 188, 193, 194, 197, 225, 231, 259, 263, 314, 376
Fresh, distribution of 166
Fresh, notable fares of 157
Fresh, trade in 89, 147
Head oil 147, 150, 151
In Charleston market 510
In San Francisco market 618
Napes 172
Salt 139, 146, 231
Smoked 121, 133, 134, 139, 149, 225, 692
Smoked, exports of 167
Haliotis splendens 596
Hall & Pearsall 494
Hall & Thatcher 247
Hallstram, Charles W 210
Hamburg, Germany, imports from 137
Hamilton, Robert 81
Hamlet, California 619, 621
Hamlin, Hannibal, on Massachusetts fisheries 130
Hammonasset river, Connecticut 321
Hammond's bay, lake Huron 657
Hampton boat 111
Hampton, New Hampshire 678
Hampton Roads, Virginia 454, 457
Hampton, Virginia 429, 467
Hancock, Maine, fisheries of 31, 32
Hand-line—
Cod fishery 72, 84, 180, 227
Fishery 388, 390, 395
Hard herring 20
Harding, Captain King 186
Hard-tails, pickled 568
Harlow, George 223
Harper's island, North Carolina 495
Harpswell, Maine—
Canning industry of 79
Clam fishery of 79
Fisheries of 6, 78
Lobster fishery of 79
Menhaden fishery of 78
Harrington, Maine, fisheries of 26
Harrington river, Maine 26
Harwich, Massachusetts— Page.
Condition of fisheries in 1837 242
Mackerel fishery of 241
Mackerel fleet of, in 1851 116
Weir fishery of 241, 242
Harwich Port, Massachusetts 241
Hatchville, Massachusetts 252, 253
Hatteras inlet, North Carolina 497
Haul-seine fishery 316, 354, 388, 395, 463, 484
Haul-seines 10, 13, 22, 29, 46, 53, 66, 120, 132, 223, 224, 254, 258, 263, 275, 284, 314, 413, 414, 415, 417, 418, 460
Havana market 539, 544
Havens, W. S 354
Haverhill, Massachusetts 131
Ship-building at 134
Hawaiian islands, exports of fish to 207
Hawes, Jesse D 236
Hawk-billed turtle 491, 525
Hawkins Brothers & Co 353
Hawley, Wheeler 336
Haycock's harbor, Maine 20
Hay island, Connecticut 337
Hayti, exports of fish to 205, 206, 207, 218
Hazard's *State Papers* 720
Hedges for alewives 67
Hemilepidotus spinosus 612
Hemirhamphus unifasciatus 586
Hempstead bay, New York 347, 362, 372
Hempstead, New York 371
Heptranchias indicus 612
Hernando county, Florida 548
Herring—
As anchovies 11
As fertilizer 14
As sardines 11, 15, 17, 50
Canned 10, 14, 25, 50
Catch of, in Maine 9
Catch of, in Massachusetts 118
Catch of, in New Hampshire 109
Dried 309, 709
Early abundance at Salem 696
Exports of 167
Fisheries of the great lakes 635, 636, 637, 639, 640, 642, 643, 645, 647, 655, 657, 658, 659, 660, 663, 664, 665, 668
For bait 28, 57, 154, 156, 163, 179
For halibut bait 157
For lobster bait 40
Former abundance in Maine 82
Fresh 89, 119, 133, 138, 139, 183, 188, 193, 196, 225, 255, 259, 263, 376, 650
Frozen 12, 17, 18, 19, 155, 161, 162, 164, 176, 194
Gill-nets 99
Gut, Maine 55, 56
Hard 20
In San Francisco 618
Inspection of 86
Method of packing 99
Oil 18, 21, 26, 27, 90, 151, 628
Pickled 11, 13, 16, 17, 19, 22, 29, 33, 37, 42, 47, 54, 55, 67, 73, 77, 93, 94, 95, 106, 121, 133, 139, 167, 172, 173, 183, 187, 191, 192, 225
Pickled, exports of 168, 206
Pickled, imports of 207, 208, 209

Herring—Continued. Page.
Pomace 18, 26
Salted 16, 618, 640, 656
Smoked 11, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 32, 33, 34, 37, 38, 42, 47, 50, 54, 57, 65, 67, 70, 71, 77, 86, 87, 176, 191, 192, 309, 377, 615, 618, 627, 628
Smoked, exports of 167
Smoke-houses 15, 26, 33, 34, 56, 65, 71
Smoking 12, 20
Trade of Portland 91
Weirs 18, 20, 21, 25, 26, 33, 716
Herring fishery in—
Bay of Islands 170, 171
Connecticut river 319
Delaware 412, 413, 414
Grand Manan 170, 171
Labrador 684
Magdalen islands 16
Maine 12, 14, 15, 17, 19, 20, 23, 24, 25, 26, 27, 28, 31, 32, 33, 34, 38, 39, 41, 42, 50, 51, 52, 56, 61, 65, 69, 71, 74, 84, 86, 92, 97, 99, 101, 102
Massachusetts ... 130, 134, 136, 142, 145, 161, 170, 172, 173, 174, 175, 176, 177, 186, 193, 196, 214, 238, 240, 252, 260, 268, 692, 720, 724, 735
Newfoundland 170, 171
New Hampshire 111, 112
New Jersey 390
North Carolina 478, 480, 481
Pacific coast 595, 596, 609, 612, 614, 626, 628, 629
Rhode Island 309
Virginia 456
Herring pond, Massachusetts 221, 727
Herring river 234, 729
Herrings, river 458, 459
Hetterick, J. P 481
Hewlett's, New York 373
Hickory shad 517
Hick's island, New York 353
Higgins & Payne 353
Higgins, R. R 201
Higgins, S. R 278
Higginson, John, cited 123
Highland Park, New Jersey 383
Hildreth, Captain George 396, 398
Hiller, L 30
Hillsboro' county, Florida 540
Hingham, Massachusetts 214
Cod fishery of, from 1765 to 1790 127
History of fisheries of 714
Mackerel fleet of, in 1851 116
Hippoglossoides elassodon 627
Hippoglossoides exilis 611
Hippoglossoides jordani 611
Hippoglossus vulgaris 626
Hodgdon, Captain Thomas 137
Hodgdon's island, Maine 69
Hogfish 454, 481, 483, 486, 487
Hog Island, Isles of Shoals 111
Hog Island, Maine 87
Hog Island, Virginia 462
Hog Neck, New York 351
Holbrook, Smith & Co 193
Holmes' *American Annals* 720
Holmes' Holl, Massachusetts 260, 732
History of 732
Holsteinberg, halibut fishery off 158
Holyoke, Massachusetts, shad fishery 115, 276, 319
Homosassa river 549
Hooks, fish, trade in 212
Hope island, Rhode Island 307
Hopkins' pond, Massachusetts 727
Horn harbor, Virginia 458
Horn island, Piscataqua river 109
Horsefeet 355, 367
Horse island, Massachusetts 234
Horse-mackerel 627
Horse-mackerel, or bluefish 357
Horseshoe crab 724, 725
Horseshoe shoal 248
Horton's Point, New York 351
Housatonic river, Connecticut 328, 332, 334
Houston, James H 569
Howard Brothers 456
Howell, D. Y 663
Hudson's Bay whale fishery 316, 317
Hueneme, California 598
Hull, England, imports from 137
Hull, Massachusetts 198
Early history of 713
Lobster fishery at 213
Mackerel fishery in 1671 714
Present condition of fisheries of 213
Humboldt county, California 622
Statistics of fisheries of 624
Humpback whales 724
Hump-sands, Merrimack river 134
Hungar's creek, Virginia 463
Hunter's point, Florida 542, 543
Huntington bay, New York 349
Huron city 659
Huron, lake Erie 666
Hyannis, Massachusetts—
Bluefish fishery of 247
Boat line-fishery of 247
Present condition of fisheries of 246, 247
Hypomesus pretiosus 627
Hypsurus caryi 604
Hypsypops rubicundus 596

I.

Ice for preserving fish 90, 120, 146, 147, 157, 158, 168, 209, 210, 376, 387
Imports—
Of fish, duties on 128
Of fish products 16, 137, 192, 207, 208, 209
Of fish products into Boston 207–209
India, imports from 137
Indian—
Fishermen 626, 628, 636
Fishing 283, 717, 736
Indian bay, Delaware 416, 417
Indian creek, Virginia 471
Indianola, Texas 584, 586, 587
Indian river, Connecticut 334
Indian river, Delaware 416, 417

Page.
Indian river, Florida 522
Description of 527
Extent of fisheries of 527
Green-turtle fisheries of 527
Indian river, Maine 25
Indian river, Virginia 460
Indian River bay, Delaware 410
Indian River inlet, Florida 516, 527
Indians, fishermen troubled with 123
Ingersoll, Ernest 106, 110, 181, 277, 281, 318, 322, 324, 325, 333, 399, 410, 442, 478
Inspection of—
Mackerel 68, 117, 152, 153, 154, 173
Pickled fish 86, 116, 123, 148
Insurance Company of Wellfleet 235
Insurance on fishing vessels 146, 176, 177, 242
Ipswich Bay fisheries 137, 141, 145, 162, 194, 680
Ipswich bay, Massachusetts 140
Ipswich, Massachusetts 115, 127, 131, 134, 136, 684, 686
Abundance of salmon at 685
Alewife fishery at 686
Clam industry of 136, 686
Cod fishery of, from 1765 to 1790 127
Cod fishery of, in 1641 685
Early fisheries of 685, 686
Early history of 684
Fish as fertilizer at 685
Fishery industries of 136
Fish-weirs at 685
Isinglass industry at 136
Loss of fishing vessels of 685
Salt-works at 685
Shad fishery at 686
Sperling fishery of 136
Ipswich river, Massachusetts 136
Irish—
Fishermen 146, 194, 220, 566, 642
Moss industry 121, 137, 139, 142, 188, 214, 216, 219, 220, 285, 301, 302
Oystermen 465
Isinglass 633, 639, 642, 657, 663, 665, 666
From fish-sounds 136, 142, 151, 685
Manufacture of 119, 137, 141, 142, 211, 213
Isle au Haut, Maine 41, 42
Isle of Wight bay, Delaware 418, 425
Isle of Wight county, Virginia 465
Isle Royale, lake Superior 635
Isles of Shoals 82, 105, 111, 677, 680
Condition of, in 1681 680
Description of 111
Effects of war at 681
Facilities for fishing at 680
Fish-curing at, in 1802 681
Fisheries of 111, 680
Government and religion of 680
Origin of the name 680
Trouble with Indians at 680
Islip, New York 365, 370
Italian—
Fishermen 604, 608, 609, 610, 615, 621, 626
Oystermen 580
Italy, exports to 124
Ives, George N 486
Ivory, walrus and whale 259, 264, 272

J.

Page.
Jack, fishery for 458, 459, 507, 528
Jacksonport, lake Michigan 646
Jacksonville, Florida 528
Fisheries of 529
Shad fishery of 529
Jacobs, Captain Solomon 152, 155
Jamaica bay, New York 373
Jamaica fish 105, 701
Jamesport, New York 351, 355
James River oysters 291, 456, 471
James river, Virginia 457
Jamestown, Rhode Island 286
Jamestown, Virginia 98
Jarnette, Daniel C. De 569
Jefferson county, Florida 553
Jefferson, President, on the fisheries 128
Jeffries' banks, fisheries on 102
Jenkins' island, New Hampshire 109
Jew-fish 548, 595, 600
Jiggers—
For carting fish 166
Style of vessel called 129
Jigging for mackerel 72
Jimmies 493
Job's cove, squid at 160, 161
John's bay, Maine 60, 61
John's river, Maine 60, 61
Jones, Captain Barney 471
Jones, J. Winslow 88
Jonesboro', Maine 23, 24
Jones' creek, Delaware 412, 413
Jonesport, Maine, fisheries of 24, 25, 86
Jordan, Professor D. S 585, 589
Jordan's river, Maine 31
Judith pond, Rhode Island 308
Jurels—
Pickled 568
Salted 564

K.

Kalmbach, M. F 644
Keating, Thomas J 436
Kelley's island, lake Erie 664
Kennebec, early fisheries at 720
Kennebec river, Maine 72, 73, 75
Kennebec salmon 194
Kennebunk district 92
Statistics of fisheries of 94
Kennebunk, Maine 99
Kennebunk Port, Maine 99
Kenosha, lake Michigan 648
Kent county, Rhode Island 303
Ketches, fishing 123, 698, 699, 700, 704
Kettle island, Massachusetts 143
Keweenaw point, lake Superior 636
Key West, Florida—
As a fishing station 537
Baiting up at 539
Boats in market fishery of 538
Fishery for Havana market 539
Fishing vessels of 537
Lay of the fishermen of 537

Key West, Florida—Continued. Page.
Products of fisheries of 539
Seines used at 538
Kickamuit river 277, 287, 291
King crabs 393, 397
Kingfish 268, 294, 369, 411
Kingston, Massachusetts 115, 127, 214, 717
King William county 465
Kits for packing fish 166
Kittery, Maine 102, 677, 678
Kitt's Hammock, Delaware 409, 412, 413
Kitty Hawk bay, North Carolina 481
Knight, George 184
Knight, H. V 24
Knowlton, Moses 140
Kumlien, Ludwig 281, 631
Kuppersmith, F 571

L.

Labrador—
Cod fishery .. 16, 20, 21, 32, 33, 41, 43, 61, 65, 68, 69, 70, 71, 78, 83, 129, 130, 131, 134, 683, 684
Cod fishery, methods of 135
Exports of fish to 205, 206, 207
Fishery 49, 50
Herring fishery 134
Salmon 194
Whale fishery 229, 235
Lacosta island, Florida 540, 541
La Fayette county, Florida 553
Mullet fishery of 553
Lagodon rhomboides 529
Laguna Madre, Texas 586
La Have bank—
Cod fishery 194
Fishery 23, 172, 175
Haddock fishery 158
Lake Borgne 578
Lake Erie—
Fisheries of 659
Fisheries of southern shore of 664
Fisheries of western end of 660
Statistics of fisheries of 659
Lake George, Florida 528, 530
Lake Harney, Florida 528, 531
Lake Huron—
Fisheries of 657
Fisheries of the American shore of 657
Statistics of fisheries of 657
Lake Michigan—
Fisheries of 638-656
Fisheries of eastern shore of 650
Fisheries of western shore of 639
Statistics of fisheries of 638
Lake Monroe, Florida 528, 530
Lake Ontario—
Fisheries of 672, 673
Fisheries of the American shore of 672
Statistics of fisheries of 672
Lake Peliot, Louisiana 579
Lake pike, fresh 193
Lake Saint Clair 659
Lake Superior—
Fisheries of 634-638
Fisheries of northwestern shore of 634
Lake Superior—Continued. Page.
Fisheries of southern shore of 635
Statistics of fisheries of 634
Lake's bay, New Jersey 399
Lamoine, Maine, fisheries of 31, 32
Lamphier & Haff 489
Lamprey river, New Hampshire 106, 107
Lancaster county, Virginia 460, 465
Lane, William N 363
Lanesville, Massachusetts, hake fishery at 143, 162
L'Anse, lake Superior 636
La Salle & Day 366
Lavoo & McGraw 667
Lawrence, John 364
Lawrence, New York 373
Laws—
Lobster 214
Relating to clam industry 198
Relating to eel fishery 222
Lawyers 637, 648
Lay, fishermen's 235, 567, 571, 584
Leache's island, New Hampshire 109
Leather from cusk-skins 150
Lebanon, Delaware 412
Leechford's *Plain Dealing* cited 122
Leghorn, exports of fish to 129, 217
Lennox, W. P 71
Leopard sharks 547
Lepidopsetta bilinearis 627
Lepidopsetta bilineata 628
Lepidosteris osseus 484
Leptocottus armatus 612
Leslie, C. C 509
Lewis & Newhall's *History of Lynn* 709
Lewis bay, Massachusetts 247
Lewis, Captain Isaac 484
Lewis, Captain Joshua 491
Lewes, Delaware 413, 415
Lexington, Michigan 659
Libby river, Maine, clam-flats in 96
Liberia, exports of fish to 205
Licenses for oystering 436
Limulus polyphemus 355, 367, 397
Lincoln, Maine 63
Lines, fishing, manufacture of 140
Liostomus xanthurus .395, 410, 414, 454, 462, 481, 486, 493, 586
Little bay, Massachusetts 250
Little Bay, New Hampshire, oyster fishery 106
Little bay, Virginia 460
Little Choptank river, Maryland 442
Little Compton, Rhode Island 286, 294, 296
Little Creek landing, Delaware 410
Little Deer isle, Maine 40
Little Egg Harbor, New Jersey 393, 398
Little Horn island, Piscataqua river 109
Little Kennebec river, Maine 23
Little Machias bay, Maine, herring-weirs at 23
Little Neck—
Clams 346
Clams, canned 370
Little Neck bay 346
Little Neck, New York 346
Little Point Sable, lake Michigan 653
Little river, Maine, herring fishery at 23
Little Sandy, fishermen of 672

Page.
Little Snamico, lake Michigan 641
Live-fish cars 317
Liverpool, England—
Imports from 137
Salt 44, 168, 169, 210, 234
Salt for curing mullet 559
Salt, importation of 36
Lobster—
Bait 26, 40, 141
Boats 58
Boiling 198
Canneries ..9, 24, 25, 26, 27, 28, 31, 32, 34, 36, 38, 41, 42, 43, 44, 49, 51, 52, 69, 78, 79, 81, 197
Industry of Boston 198
Laws 79, 214
Market, Portland 88
Nets 101
Peddlers 148
Pots 10, 13, 22, 24, 29, 37, 41, 46, 53, 66, 77, 93, 94, 95, 98, 108, 110, 138, 141, 178, 180, 183, 254, 258, 263, 275, 284, 314
Smacks 58, 79, 88
Trade 18, 58, 87
Trade, vessels in 31
Traps 120, 223, 224, 233
Lobster fishery—
Summary, statistics of, in Maine 9, 10
Summary, statistics of, in Massachusetts ..118, 120
Vessels in 10, 13, 22, 29, 37, 46, 53, 77, 120, 183, 187, 263, 284, 314
Lobster fishery at Long Island, New York ...351, 357, 358 359, 360, 361, 362, 376
Lobster fishery in—
Barnstable district 223, 227, 229, 231, 232, 239, 240, 241, 245, 246, 248, 253
Bath district 74, 76
Belfast district 45, 46, 47, 48, 49, 51
Boston district 187, 189, 213, 214, 712
Castine district 36, 37, 38, 39, 41, 43
Connecticut 313, 316, 317, 320
Delaware 415
Frenchman's Bay district 28, 29, 31, 33, 34
Gloucester district 137, 141, 143, 165, 177
Machias district 21, 22, 23, 24, 25, 26, 27
Marblehead district 183, 185, 186
Martha's Vineyard 260, 261, 262
Nantucket district 255, 256
New Bedford district 263, 267, 269, 272, 273, 733
New Hampshire 108, 111, 112
New Jersey 388, 391
Passamaquoddy district 13, 14, 15
Plymouth district 215, 219, 222, 223, 733
Portland and Falmouth district 77, 79, 87
Rhode Island ...284, 296, 298, 299, 301, 303, 307, 308
Saco, Kennebunk, and York districts 92, 97, 98, 99, 100, 101, 102
Salem and Beverly district 180, 181
Waldoboro' district 52, 53, 56, 57, 58, 60, 61
Wiscasset district 67, 68, 69, 70, 71
Lobstermen, wages of 24
Lobsters—
Early abundance at Salem 696
For bait 262, 269
Lobsters—Continued. Page.
Fresh, in Maine 11, 14, 22, 30, 37, 47, 54, 67, 73, 77, 93, 94, 95
In Massachusetts ..121, 139, 172, 179, 183, 186, 188, 190, 197, 216, 220, 221, 223, 225, 255, 259, 263, 708, 709, 724, 735
Legal length of marketable 87
Live, method of packing 88
Soft-shelled, for canning 88
Lobsters, canned—
Export of 89
In Maine 11, 14, 22, 24, 25, 30, 31, 36, 37, 47, 49, 51, 54, 67, 77, 79, 81, 88
In Massachusetts 197
Origin of, in the United States 17
Lobsters, catch of, in—
Connecticut 314, 316, 317
Delaware 411
Maine 9, 11
Massachusetts 121
New Hampshire 109
New Jersey 382, 385
New York 344
Rhode Island 284, 285, 302, 304
Lobsterville, Massachusetts 261
Locust Point, Ohio 662, 663, 664
Locust Valley, New York 348
Loggerhead turtle 491, 525
Lombard's cove, Massachusetts 260
Lompoc, California 600
Londonners, Isles of Shoals 111
Long Branch, New Jersey 387, 388
Long Island Fish Company 352
Long Island, New York—
Description of 344
Eastern end of 351
North shore of 345
South shore of 362
West end of 373
Long island, South Carolina 508
Long Point beach, New York 353
Long Pond, Massachusetts 221, 267, 727
Loraine 667
Loring, George 244
Los Angeles county, California 595, 596
Statistics of fisheries of 599
Los Angeles river, California 598
Los Pueblos, California 600
Losses of life and property in Gloucester fisheries. 176
Loud's island, Maine 61
Loud's Island oil-works 62
Louisiana—
Crab fishery of 577
Crawfish fishery of 577
Fisheries 575
Fishing apparatus at 576
Oyster culture in 580
Oyster industry of 578
Oytermen of 580
Shrimp fishery of 576
Statistics of fisheries of 575
Turtle fishery of 577
Lovell, Captain Benjamin 245, 246
Lovett, John, & Co 87

Page.
Lower New York bay 383
Lowery, J 414
Lubec, Maine—
Fisheries of 19
Smoked-herring industry at 12
Luce Brothers 318
Ludington, lake Michigan 652
Lutjanus Blackfordii 507
Lycodopsis paucidens 612
Lynde's point, Connecticut 319
Lynn Haven bay, Virginia 453, 454
Lynn Haven river, Virginia 454
Lynn, Massachusetts—
Early history of 709
Fisheries of 115, 116, 182, 185, 186
Pearls found at 710

M.

McDermott, Captain James 359
McDonald, Captain Jerome 157
McDonald, Colonel Marshall 427, 449, 481, 495, 502, 506, 517
McEwan, Thomas 87
McMenamin & Co 456
McQuinn, Captain John S 158
Machias bay, Maine 23
Machias district, Maine—
Fisheries of 21
Review of fisheries of 21
Statistics of fisheries of 21
Machias, Maine, fisheries of 23
Machiasport, Maine, fisheries of 23
Machias river, Maine 23
Mackerel—
Broiled 50
Canned 10, 11, 14, 25, 30, 34, 37, 44, 47, 49, 50, 51, 54, 56, 67, 77, 79, 81, 88, 118, 188, 197, 198
Cannery 69, 79, 81
Dragging 58, 61, 63, 64
Early abundance of, in Massachusetts 708, 724, 731, 735
Exports of 167
Fresh 119, 138, 147, 152, 172, 178, 183, 188, 193, 196, 197, 215, 225, 243, 259, 263, 284, 314, 376
For bait 154, 163
Frozen 197
Gill-net fishery 101, 134, 135, 227, 228, 232, 234, 239, 240, 463
Hand-line fishery 101
Haul-seines 57
Inspection of pickled 68, 86, 234
Jigging 72
Packing at Portland 86
Pickled 11, 17, 22, 29, 37, 47, 54, 67, 73, 77, 93, 94, 95, 106, 117, 121, 130, 131, 133, 139, 146, 149, 152, 154, 167, 172, 173, 176, 179, 183, 186, 188, 192, 225, 226, 243, 314, 692, 702, 707, 715, 727, 729
Pickled, canned 198
Pickled, exports of 206
Pickled, methods of packing 149
Purse-seines 57
Salt for curing 210
Seining prohibited 722

Mackerel—Continued. Page.
Smoked 377
Steamer 54
Taken in weirs 38
Trade in fresh 89
Trade of Portland 91
Mackerel, catch of, in—
Connecticut 314, 316, 317
Maine 9
Massachusetts 118
New Hampshire 109
Rhode Island 284
Mackerel fishery—
Regulated 704
Statistics for 1851 116
Vessels in 152
Mackerel fishery at—
Martha's Vineyard, Massachusetts 260
Nantucket, Massachusetts 256
Mackerel fishery in—
Barnstable district 226, 227, 231, 233, 234, 240, 241, 242, 243, 245, 246, 247, 249, 725, 726, 727, 728, 729, 730
Belfast district 47, 48, 49, 51, 52
Boston district 193, 195, 196, 214, 713, 714, 715
Castine district 38, 39, 40, 41, 43, 44, 45
Connecticut 116, 317
Fall River district 276
Frenchman's Bay district 31, 34, 35
Gloucester district 141, 142, 145, 146, 152, 153, 154, 162, 163, 164, 171, 172, 173, 174, 175, 691, 692
Gulf of Saint Lawrence 38
Machias district 24, 25, 26, 27
Maine in 1851 116
Marblehead district 184, 185, 186, 707
Maryland in 1851 116
Massachusetts, general review of 115, 116, 130, 131
New Bedford district 272
Newburyport district 134, 135, 683, 684
New Hampshire 108, 109, 111, 112, 116
Passamaquoddy district 16
Plymouth district 214, 219, 223, 716, 717, 721, 723
Portland district 80, 83, 84, 85
Rhode Island 116, 294, 297, 298, 309
Saco, Kennebunk, and York districts 97, 99, 101, 102
Salem and Beverly district 180, 702
Waldoboro' district 54, 55, 56, 58, 60, 61, 63, 64, 65
Wiscasset district 68, 70, 71
Mackerel fishing by moonlight 716
Mackinaw boats 635, 650, 655
Maddocks, Luther 61
Madeira, exports of fish to 205, 206, 207, 217, 682
Madison, Connecticut—
Menhaden industry of 322
Oyster industry of 322
Magdalen Islands herring fishery 16, 23, 28, 32, 33, 42, 43, 49, 50, 69, 71, 173
Magnolia, Delaware 412
Magnolia, Massachusetts 143
Mahon's ditch, Delaware 410
Maine—
Cod fishery of, from 1765 to 1790 127
Early history of 678

Maine—Continued. Page.
Extent of coast-line of ... 8
Fisheries of ... 7–102
Fishermen of ... 8, 9
Lobster fisheries of ... 9
Location and early settlement of ... 7
Mackerel fleet of, in 1851 ... 116
Oil & Guano Association ... 61
Origin and growth of the fisheries of ... 8
Physical characteristics of the coast of ... 7
Present condition of the sea fisheries of ... 8
River fisheries of ... 9, 10
Sardine industry of ... 10
Statistics of fisheries of ... 7, 8, 9, 10, 11
Malaga island, Isles of Shoals ... 111
Malden river, Massachusetts, oyster-beds in ... 201
Maltby & Co., O. E ... 456, 457
Maltby & Edwards ... 484
Maltby, C. S ... 443
Manatee county, Florida ... 540
Manchester, Massachusetts, fisheries of ... 115, 116, 127, 164, 177
Manistee, lake Michigan ... 652
Manitowoc, lake Michigan ... 646
Mannasquan, New Jersey ... 387
Manure, fish for ... 139, 695, 718
Maracaibo, South America, imports from ... 137
Marblehead district, statistics of fisheries of ... 182
Marblehead, lake Erie ... 664
Marblehead, Massachusetts ... 115, 688
Cod fishery of ... 127, 707
Duties of fishermen of ... 704
Emigrations to Maine from ... 124
Fisheries of, from 1715 to 1790 ... 704
Fisheries of, from 1815 to 1821 ... 706
Fishery regulations at ... 704
Fishery statistics for 1856 ... 707
From 1860 to 1865 ... 707
George's cod fishery in 1747 ... 705
History of, 1629 to 1647 ... 702
Mackerel fleet of, in 1851 ... 116
Naval protection for fisheries of ... 704
Present condition of fisheries of ... 184
Shell-heaps at ... 707
Whale fishery of ... 705
Marennes, France, oyster culture ... 472
Marennes oysters ... 278
Marin county, California ... 619
Statistics of fisheries of ... 624
Marine—
Railway ... 69, 145
Salt ... 259, 264, 594
Salt manufacture ... 127, 264, 273
Marion county, Florida ... 548
Marion, Massachusetts—
Fisheries of ... 265
History of ... 734
Oyster industry of ... 265
Whaling fleet of ... 115
Marquette, lake Superior ... 637
Marseilles, France, fish exports to ... 129
Marshall's, California ... 619
Marston's Mills, Massachusetts ... 248
Martha's Vineyard, Massachusetts ... 115
Fisheries of ... 258, 259
Martha's Vineyard, Massachusetts—Continued. Page.
History of ... 732
Mackerel fleet of, in 1851 ... 116
Martin, Captain Charles, on squidding at Newfoundland ... 161
Martinique, fish exports to ... 167
Maryland—
Alewife fishery of ... 423, 427
Boats, oyster dredging in ... 436
Capital invested in oyster trade of ... 448
Clam fishery of ... 429
Crab fisheries of ... 428
Eel fishery of ... 428
Fisheries of ... 421–448
Fisheries of bay shore of ... 426
Fisheries of ocean shore of ... 425
Mackerel fleet of, in 1851 ... 116
Menhaden fishery of ... 428
Oyster dredging in ... 431
Oyster interests of ... 423, 429
Oyster packing in ... 443
Oyster runners in ... 440
Oyster scraping and tonging in ... 437
Oyster shipments in shell from ... 441
Oyster trade of ... 430
Principal fishing centers of ... 427
Shad fishery of ... 423, 427
Sheepshead fishery of ... 427
Spanish mackerel fishery of ... 427
Maryland, statistics of—
Fisheries of ... 423
Oyster-boats in ... 437, 439, 441
Oyster-packing in ... 445
Persons in oyster trade of ... 447, 448
Salt-water fisheries of ... 424
Tailor fishery of ... 427
Terrapin fishery of ... 429
Mason's bay, Maine ... 21, 24
Massachusetts—
Cod fishery of, from 1765 to 1790 ... 127
Cod fishery of, in 1741 ... 124
Districts defined ... 115
Fisheries, general review of ... 115–121
Fisheries, history of ... 121, 126, 127, 129, 130, 682–735
Mackerel fleet in 1851 ... 116
Statistics of fisheries of, for 1859 ... 131
Statistics of fisheries of, for 1879 ... 117–121
Massachusetts bay ... 115
Massachusetts Bay Company ... 102
Mastic, New York ... 364
Matagorda bay, Texas ... 584
Matamoros, Texas ... 586
Matanzas market ... 544
Matanzas river, Florida ... 525
Mather, Fred ... 311, 341, 382
Mathews county, Virginia ... 457, 465
Pound-net fisheries of ... 458
Maticut ... 258
Matinicus, fishery off ... 164
Matinicus islands, Maine—
Fisheries of ... 52, 55, 56
Herring fishery of ... 56
Vessel and boat fisheries of ... 57
Mattapoisett, Massachusetts ... 266, 734
Matthews, G. H ... 59

Page.
Mattinicock point, New York 348
Mattituck, New York 351, 355, 361
Maumee river 662
Maurice cove, New Jersey 399
Maybury & Co., J. F. 571
Mayfield, California 606
Mayport, Florida, fisheries of 528
Medford, Massachusetts—
Fisheries of 213, 710
Fish trade of 712
Media-luna 596, 597
Medicinal cod-liver oil 110
Method of manufacture 150
Medicine oil 172
Medomak river, Maine 58, 59, 60
Meduncook, Maine 58
Melanogrammus æglefinus 15
Melanson, Captain James 159
Melonville, Florida 530
Melton & Tait 529
Menanah island, Maine 63
Mendocino county, California, statistics of fisheries of 624
Menekaunee, lake Michigan 640
Menemsha bight 260
Menhaden—
At Ocklockonee bay, Florida 556
Bait fishery 159
Canned 370
Carry-away 79
Chum 220
Compost 343, 381
For bait 78, 118, 119, 154, 235, 261, 370
For mackerel-bait 152
Fresh 133, 259, 263, 276
Guano 53, 61, 65, 69, 118, 276, 324, 353, 354, 383, 398, 458, 460, 461
Manure 345
Nets 357
Oil 28, 31, 35, 39, 53, 61, 65, 69, 90, 118, 151, 276, 283, 285, 297, 314, 315, 318, 324, 343, 353, 354, 369, 381, 383, 418, 428, 458, 460, 461
Oil and guano factories .52, 61, 62, 65, 68, 69, 77, 322, 332, 353, 368, 398, 418, 428, 457, 461, 463, 495
Purse-seine 159
Salted, for bait 79
Scrap 285, 297, 314, 343, 353, 354, 360, 369, 381, 418, 428
Slivers 159
Steamers 52, 61, 69, 99
Try-works 28
Vessels 10, 53, 66, 77, 120, 138, 159, 187, 263, 275, 284, 314, 451
Menhaden, catch of, in—
Connecticut 316
Delaware 411
Maryland 424
Massachusetts 118, 188, 225, 259, 263, 268
New Jersey 382
New York 344, 363
Rhode Island 285
Virginia 452
Menhaden fishery in—
Connecticut 313, 315, 316, 317, 319, 324
Menhaden fishery in—Continued. Page.
Delaware 417, 418
Maine 10, 28, 30, 31, 38, 52, 53, 55, 65, 78, 101, 102
Maryland 428
Massachusetts 115, 117, 120, 135, 138, 141, 159, 186, 189, 232, 240, 247, 248, 252, 253, 260, 262, 263, 265, 267, 270, 271, 272, 273, 274, 275, 276
New Jersey 381, 383, 398
New York ...343, 345, 346, 348, 349, 351, 353, 354, 355, 357, 358, 360, 367, 370, 371
North Carolina 495
Rhode Island 296, 297, 306, 307, 309
South Carolina 509
Virginia 451, 454, 456, 458, 460, 461, 463
Menhaden industry of—
Connecticut, statistics of 313
Maine 52, 61, 69
Sandy Hook bay 383
Menominee, Michigan 640
Menticirrus alburnus 486, 502, 508, 529, 586
Menticirrus littoralis 585, 586
Menticirrus nebulosus 369
Merhead fishery 462
Merluch' 627
Merrick, New York 372
Merrimack river 131, 134, 677, 682
Merryconeag 78
Merwin, William H 333
Metedeconk neck, New Jersey 390
Metinic, Maine 63
Mianus, Connecticut 339
Michigan city, Indiana 650
Microgadus proximus 612
Micropogon undulatus 493, 502, 525, 529, 586
Micropterus pallidus 484, 516, 529
Middle bank, haddock fishery on 164
Middlesex county, Virginia 460, 465
Middle sound, North Carolina 494
Middletown, Rhode Island 286
Midgett, William 482
Miles grove, Ohio 670
Milford, Connecticut 328
Menhaden industry of 332
Oyster industry of 333
Milford, Delaware 413, 414
Milford Haven, Virginia 458
Milford Point, Connecticut 333
Milk island, cape Ann, trap fishery 142, 164, 165
Millbridge, Maine, fisheries of 25, 26
Mills, W. D 332
Millsboro', Delaware 410, 416
Milner, James 647
Milton, Delaware 413, 414
Milwaukee, Wisconsin, fisheries of 647
Minced fish 190
Miner, N. P 323
Miquelon, exports of fish to 206
Misery island, Massachusetts 698
Misham Point, Massachusetts 273
Mispillion creek, Delaware 414
Mississippi—
Care of fish at 575
Fishermen of 574
Fishing methods of 574

Mississippi—Continued. Page.
Oyster fisheries of 575
Statistics of fisheries of 574
Mississippi City, Mississippi 575
Mississippi sound 576
Mitchell falls, Massachusetts 132
Moahiggan, Maine 62
Mobile, Alabama—
Care of fish at 570
Fisheries of 569
Inside-water fisheries of 570
Oyster business of 571
Statistics of fisheries of 574
Möbius, Professor 434
Mobjack bay, Virginia 457, 458, 459, 571
Monhegan, Maine 52
Early fisheries at 685
Monhegan island, Maine 7, 58
Boat fisheries of 64
Review of fisheries of 62
Monmouth, New Jersey 388
Monomoy flats, Massachusetts 240
Monomoy island, Massachusetts 240
Monomoy weir-fishery 243
Monroe county, Florida 540
Monroe, lake Erie 662
Montauk Point, New York 315, 352, 354, 360
Monterey county, California 603
Statistics of fisheries of 607
Monterey Whaling Company 604
Monument, Massachusetts 249
Monument river, Massachusetts 250
Monument River oysters 202, 252
Moonfish 539, 586
Moore's island, Maine 109
Moore's point, lake Erie 664
Moose-a-bec reach, Maine 24
Moose island, Maine 15
Moratico creek, Virginia 460
Morehead, North Carolina 477
Morehead City, North Carolina 485, 486, 489
Moriches bay, New York 357, 362, 364
Moriches station, New York 365
Mosquito inlet, Florida 526
Mosquito lagoon, Florida 526
Moss Landing, California 604
Mount Desert island, Maine—
Boat fisheries of 34
General description of 33
Jesuit mission at 7
Lobster industry of 34
Vessel fisheries of 33
Mount Desert, Maine—
Glaciers at 7
Herring fishery of 28
Mount Hope bay, Massachusetts 276
Mount Hope bay, Rhode Island 287
Mount Misery point, New York 350
Mount Sinai, New York 351
Mouse island, lake Erie 664
Muckilteo, Washington territory 628
Mud creek, Virginia 460
Mud pike 364
Mugil albula 486, 493, 502, 511, 525, 528, 529, 586
Mugil braziliensis 486, 493, 502, 511, 525, 528, 529
Mullet— Page.
Curing 542, 544, 545, 546, 561
For bait 585
Fresh 477, 486, 559, 562
Gill-net fishery 551
In Savannah market 518
Packing 547
Pickled 545, 546, 562, 568
Roes 494, 495, 561
Roes, curing of 544
Roes, dried 526, 541, 544
Sea 486
Salted 487, 526, 541, 552, 553, 559, 564, 565
Striped, at Fairhaven, Massachusetts 268
Mullet, catch of, in—
Alabama 569
Delaware 411
Eastern Florida 523, 524
Georgia 515
Gulf states 536
Louisiana 576
Maryland 424
Mississippi 574
North Carolina 478, 479, 480
San Diego county, California 595
South Carolina 505
Texas 582
Virginia 452, 453
Western Florida 537
Mullet fishery at Long Island, New York 360
Mullet fishery in—
Alabama 570, 574
Eastern Florida 522, 525, 526, 528, 529, 530
Gulf of Mexico 535
Maryland 425
North Carolina 478, 481, 482, 483, 484, 485, 486, 487, 488, 492, 493
San Diego county, California 595, 596
South Carolina 502, 506, 508, 511
Texas 584, 586
Virginia 462
Western Florida 541, 543, 546, 547, 548, 549, 550, 553, 554, 555, 557, 558, 559, 564, 567
Mullica river, New Jersey 398
Mullin, Nelson 51
Murderkill creek, Delaware 413
Murre eggs 614
Muscongus island, Maine, fisheries of 61
Muscongus sound, Maine 60
Muskeget island, Massachusetts 254
Musquito creek, Virginia 460
Mussel fishery on Long Island, New York 351, 362, 367, 371, 373
Mussel ridges, Maine 55
Mussel Ridges lobster-grounds, Maine 56
Mussels—
Catch of, on Long Island, New York 345, 362, 367, 374
Early abundance of 709, 710, 724, 735
For food 373
For manure 371
In Boston fish market 199
In New Jersey 383
On Pacific coast 594, 599, 607

Mussels—Continued. Page.
Pearls found in, at Lynn, Massachusetts.... 710
Uses of.... 386
Mustelus canis.... 612
Mya arenaria....24, 89, 726
Myliobatis californicus.... 612
Mystic, Connecticut—
General fisheries of.... 315
Menhaden industry of.... 315
Mystic river, Connecticut.... 316
Mystic river, Massachusetts—
Bass fishery in.... 712
Lobster fishery in.... 712
Oyster fishery in.... 712
Shad and alewife fisheries of.... 710

N.

Nahant, Massachusetts....115, 198, 709
Nannaquacket pond, Rhode Island.... 297
Nannie's island, New Hampshire.... 107
Nansemond county, Virginia.... 465
Nantasket, Massachusetts.... 213
Nanticoke river.... 442
Nantucket district—
Review of.... 254
Statistics of fisheries of.... 254
Nantucket, Massachusetts—
Fisheries of....127, 131, 254, 255, 256
Former importance of whale-fishery of.... 257
Mackerel fleet of, in 1851.... 116
Whaling fleet of, in 1846.... 115
Nantucket Shoal cod fishery.... 242
Napeague bay, New York.... 358
Napeague beach, New York.... 352
Napeague, New York....357, 360
Napes, halibut.... 172
Naples, fish exports to.... 129
Napoleon, seizure of fish by.... 128
Narragansett bay....283, 305
Narragansett Bay oyster-beds.... 199
Narragansett Indians.... 302
Narragansett Pier, Rhode Island.... 308
Narraguagus river, Maine.... 26
Nashawena island, Massachusetts.... 261
Nashua river.... 131
Natica clausa.... 85
Naushon island, Massachusetts.... 261
Neah bay, Washington territory.... 629
Needle-fish.... 586
Negro—
Fishermen....504, 566, 627
Oystermen....464, 466
Negro island, Maine.... 97
Net-making.... 145
Nets, manufacture of.... 213
Neuse river, North Carolina....478, 484
Neutral island, Maine, colony at.... 7
Nevassa Oil & Guano Company.... 496
Newark bay, New Jersey....372, 384
Newark Bay oysters in Boston.... 199
New Bedford district—
Defined.... 115
Review of.... 262
Statistics of fisheries of.... 262

Page.
New Bedford, Massachusetts.... 131
Description of.... 270
Eel fishery of.... 271
Extent of fisheries.... 119
Fisheries in 1870.... 735
Food-fish fishery of.... 271
In 1792.... 735
Menhaden fishery of.... 270
Original settlers of.... 734
Oyster industry of.... 272
Scallop fishery of.... 271
Whale fishery of.... 270
Whaling fleet of, in 1846 and in 1880.... 115
New Berlin, Florida, fisheries of.... 528
New Berne, North Carolina.... 477
Fish trade of.... 485
Shad fishery of.... 484
New Brunswick, frozen-herring trade with..155, 161, 162
New Buffalo, Michigan.... 650
Newbury Massachusetts—
Early history of.... 682
Ship-building at.... 134
Newburyport district.... 113
Review of fisheries of.... 131
Statistics of fisheries of.... 132
Newburyport, Massachusetts—
Cod-fishery of....127, 134, 135
Early history of.... 682
Fisheries of....115, 131, 133, 682, 683, 684
Fur-seal fishery of.... 683
Labrador cod-fishery from....135, 683, 684
Mackerel fishery of....116, 134, 683
Ship-building at.... 134
Whale fishery of.... 683
New Castle, Maine, fisheries of.... 67
New Castle, New Hampshire, fisheries of....111, 678, 679
New Dorp, New York.... 376
New Dungeness, Washington territory.... 629
New England, historical references to fisheries of 675–737
Newfoundland—
Exports of fish to....205, 206, 207
Fishery.... 172
Frozen-herring trade with....145, 155, 161
Halibut fishery at.... 157
Herring fishery....170, 171, 173, 174
Imports from....207, 208, 209
Squid fishery....160, 180
New Hampshire—
Condition of fisheries of, in 1791.... 678
Early history of fisheries of....677–682
Fisheries of, from 1867 to 1879....103, 105
Mackerel fleet of, in 1851.... 116
Oyster industry of.... 106
Statistics of fisheries of.... 108
New Harbor, Maine....58, 59, 62
New Haven, Connecticut....313, 315
General fisheries of.... 324
Oyster industry of....325–332
New inlet, New Jersey.... 398
New Jersey—
Crabbing interests of.... 391
Crab fishery of.... 381
Fisheries of....379–400

New Jersey—Continued. Page.
Mackerel fishery off 152
Menhaden industry of 381
Oyster industry of 381
Quahaug fishery of 381
Review of the fisheries of 381
River fisheries of 381
Shores of New York bay 382
Statistics of fisheries of 381
New Jersey, northern—
As a fishing district 386
Clam fishery 392
Coast fisheries of 384
Cod fishery of 390
Description of fisheries of 388
Geography of 385
Gill-net fishery of 389
Hand-line fishery of 390
Lobster fishery of 391
Pound-net fishery of 389
Quahaug fishery 392
Seine fishery of 390
Statistics of fisheries of 385
Still-baiting at 388
Trolling for bluefish at 388
New Jersey, southern—
Bluefish fishery of 397
Clamming interests of 398
Cod fishermen of 396
Cod-fishing grounds of 396
Crab fisheries of 399
Eel fishery of 396
Fishery interests of 392
Fishing centers of 394
Geography of 393
Gill-net fishery of 397
Hand-line fishery of 395
Menhaden fishery of 398
Oyster industry of 399
Pleasure-fishing at 395
Pound-net fishery of 397
Rock fishery of 398
Statistics of fisheries of 393
Terrapin fishery of 399
Winter cod fishery of 396
New London, Connecticut 313
Description of 316
Fresh-fish business of 317
Halibut fishery of 317
Lobster fishery of 317
Menhaden fishery of 317
Oyster industry of 318
Vessel-fisheries of 317
Whale fishery of 316
Whaling fleet of 115
New Market, New Hampshire, fisheries of 111
New Orleans, Louisiana—
Fisheries of 576
Fish market of 577
Oyster marts of 581
Oyster shipments from 581
Oyster trade of 578
Statistics of fisheries of 582
New Point, Virginia 456, 457, 458, 459
Newport, California 597
Newport, Rhode Island 283, 286
Boat-fisheries of 298
Trap-fisheries of 298
Vessel-fisheries of 299
New Shoreham, Rhode Island 286, 302
New Suffolk, New York 356
New Tacoma, Washington territory 626
New Utrecht, New York 375
New York—
Oysters shipped to 442, 468
Review of fishery interests of 343
Statistics of fisheries of 343
Whale fishery from 115
New York and its fisheries 341–377
New York bay, New Jersey shores of 382
New York bay, New York 373
New York city—
Fish-curing at 377
Fishery interests of 376
Market for fresh fish 197
New York harbor 374, 375
Niantic, Connecticut 358
Menhaden industry of 318
Niantic river, Connecticut 318
Nine-Mile Fishing Company 248
Nissequague river, New York 350
Noank, Connecticut 313, 315, 316
Nobleboro', Maine, fisheries 65
Nobscusset Fish Weir Company 243
No Man's Land, Mass., and its fisheries 115, 258, 260, 261
Nonamesset island, Massachusetts 733
Nonesuch river, Maine, clam flats in 96
Nonguit pond, Rhode Island 296
Norfolk county, Virginia 453, 454, 465
Norfolk, Virginia 455, 467
Oyster-packing industry 466
Oysters 204
Oysters at Boston 201, 202
Oysters at Salem, Massachusetts 180
Norman's Woe, Massachusetts 143, 164
North American Oil Company 235
Northampton county, Virginia 461, 465
North Booth bay, Maine 66, 68, 69
North Carolina—
Alewife fisheries of 478
Fisheries of 475–497
Geography of the coast of 477
History of menhaden fishery of 495
Mullet fisheries of 478
Oyster industry of 478
Review of fisheries of 477
Shad fisheries of 478
Statistics of commercial fisheries of 478
Statistics of sea fisheries of 479
Winter bluefish fishery of 496
North Chatham, Massachusetts 240
North Dennis, Massachusetts 243
North Eastham, Massachusetts 238
North Falmouth, Massachusetts 252, 253
North Harwich, Massachusetts 241
North Haven, Maine, fisheries of 45, 50, 51
North Kingston, Rhode Island 286
North Perry, Maine, fisheries of 15
Northport, lake Michigan 654

Page.
Northport, Maine, fisheries of 49
Northport, New York 349
North Truro, Massachusetts, fisheries of 232
Northumberland county, Virginia 460, 465
Northwest, New York 353
Norwalk, Connecticut 332
Oysters 203
Oyster vessels 335
Norwalk river, Connecticut 337
Norway, exports of fish to 205, 206
Norwegian fishermen 640, 642, 643
Norwich River oysters 318
Notorhynchus maculatus 623
Nova Scotia—
Canneries at 197
Exports of fish to 205, 218
Transferred to Massachusetts colony 7
Nubble light, Maine 101

O.

Oak Bluffs, Massachusetts 260
Oakdale, New York 369
Oakland, California 619
Ocean City, Maryland 425
Ocean Grove, Maryland 425
Ocean Springs, Mississippi 575
Ocean View, Delaware 417, 418
Oceanville, New Jersey 396
Ocilla river, Florida 553, 554
Ocklawaha river 529
Ocklockonee bay, Florida 553, 554
Disposition of catch at 558
Fisheries of 556
Fishermen of 557
Fishing apparatus at 558
Gill-net fishing at 557
Seine fishing at 558
Oconto, lake Michigan 641
Ocracoke inlet, North Carolina 484
Odiorne's point, New Hampshire 110, 677
Ogeechee river, Georgia 502, 514
Ogunquit harbor, Maine 100
Oil & Guano Association, Maine 61
Oil—
Blackfish 121, 151, 713
Clothing for fishermen 212
Cod 145, 150, 285, 679, 692, 708
Dogfish 150, 172, 233
Haddock-liver 150
Hake 150, 172
Halibut-head 147, 150, 151
Herring 18, 21, 26, 27, 90, 151, 628
Medicine 172
Pollock-liver 150
Porgy 172
Sea-elephant 314
Seal 592, 594, 602, 626, 630
Shark 150, 151, 547, 594, 597, 598, 599, 605, 607, 623, 624
Sperm 116, 121, 187, 189, 226, 229, 259, 264, 269, 270, 272, 315, 316, 713, 724
Spermaceti 130
Walrus 121
Oil—Continued.
Page.
Whale 30, 116, 121, 130, 139, 151, 226, 230, 257, 259, 264, 269, 270, 272, 314, 315, 316, 518, 592, 593, 594, 602, 607, 699
Whale, production of, in 1880 116
Oil, fish—
Imports of 207, 208, 209
In Washington territory 630
Manufacture of 569
On Pacific coast 592
Statistics of, for great lakes 633, 639, 657, 663, 665
Statistics of, in Maine 11, 14, 22, 37, 47, 54, 67, 73, 78, 90, 93, 94, 95
Statistics of, in Massachusetts 120, 121, 129, 130, 131, 133, 134, 139, 150, 151, 170, 172, 173, 174, 176, 179, 180, 183, 188, 216, 226, 255, 259, 264, 276, 694, 702, 707
Statistics of, in New Hampshire 106, 109, 110
Statistics of, in Oregon 625
Statistics of, in Rhode Island 284, 302
Oil, menhaden, factory 61
Oil, menhaden, in—
Connecticut 314, 324
Delaware 418
Maine 28, 31, 35, 38, 39, 53, 65, 69, 90
Maryland 428
Massachusetts 118, 151, 276
New Jersey 381, 383
New York 343, 353, 354, 369
Rhode Island 283, 285, 297
Virginia 458, 460, 461
Oil-works 230
At Loud's island, Maine 62
Okhotsk Sea cod fishery 593
Old Field point, New York 350
Old Greenwich, Connecticut 339
Old Man's pasture, off cape Ann 163
Old Orchard beach, Maine 96, 97
Old Point, Virginia 457
Oldwives 428
Oliver's island, New Hampshire 109
Olympia, Washington territory 626
Olympic club 370
Ouancock, Virginia 461
Oncorhynchus chouicha 626, 627
Oncorhynchus gorbuscha 626
Oncorhynchus keta 626
Oncorhynchus kisutch 626
Oncorhynchus nerka 626, 629
Ontonagon, lake Superior 636
Ontonagon river 636
Oostburgh, lake Michigan 647
Ophiodon elongatus 612
Orange, Connecticut 330
Oregon—
Fishery interests of 624, 625
General fisheries of coast of 625
Statistics of fisheries of 624
Oregon inlet, North Carolina 481, 482
Orient bay, New York 351, 358, 359
Orient, New York 353, 359
Orient point, New York 351, 354
Orland, Maine, fisheries of 44
Orleans, Massachusetts 239
Clam fisheries of, in 1802 725

Orleans, Massachusetts—Continued. Page.
Early history of 725
Mackerel fleet of, in 1851 116
Osmerus mordax 26
Osmerus thalcichthys 612
Osterville, Massachusetts 248
Oswego fishermen 672
Oswego, New York 673
Otis, James, defense of the fisheries by 126
Ottawa, lake Erie 664
Otter, sea 592, 594, 602
Otter-skins 62
Overshore island, Connecticut 322
Owl's head, Maine 55
Oxford, Maryland 428, 445, 467
Oyster—
Bedding, method of 237
Beds in Boston district 199
Beds of Chesapeake bay 469
Cannery 410
Canning 367, 443, 444
Carrying trade 223, 224
Culture at New Haven 330
Culture in France 472
Culture in Taunton river 278
Dredging 431
Interests of Rhode Island 285–294
Licenses 436
Packing 443, 466, 469
Peddling in Boston 199
Runners 440, 465
Scraping 437
Steamers, introduction of 333
Tonging 437
Tonging licenses 439
Vessels 10, 53, 77, 107, 120, 178, 182, 187, 224, 314, 438, 441, 465, 466
Oyster bay, Florida 554
Oyster bay, New York 348
Oyster fishery in—
Connecticut 308, 313, 318
Maine 10, 53
Maryland 423, 425
Massachusetts 118, 120, 178, 187, 223, 224, 234, 248, 249, 253, 272, 275, 712, 719, 725, 727, 731, 733
Mississippi 575
New Hampshire 110
New Jersey 381, 384, 386, 392
New York 343, 345, 346, 347, 348
North Carolina 481, 487
Rhode Island 285
Texas 584
Virginia 451, 456, 457, 460, 461
Washington territory 626, 629
Western Florida 552
Oyster industry—
Statistics for Chesapeake bay 469
Statistics for Rhode Island 294
Oyster industry of—
Alabama 571
Connecticut 313, 321, 325
Delaware 410
France 433
Great Britain 433
Oyster industry of—Continued. Page.
Louisiana 579
Maryland 424, 429, 447, 448
Massachusetts 117, 181, 264, 265, 277
New Hampshire 106, 110
New Jersey 399
New London, Connecticut 318
New York 348
North Carolina 478
Pennsylvania 403
Philadelphia 404
Virginia 464–473
Western Florida 555, 563, 567
Oyster planting in—
Chesapeake bay 471
Connecticut 318, 322, 326
Massachusetts 239, 247, 248, 250, 266
Narragansett bay 287
Virginia 469
Oyster Pond point, New York 351, 359
Oyster river, Connecticut 320, 334
Oyster-shells, utilization of 203
Oyster-shucking 468
Industry 445
Method of 181, 182
Oyster trade of—
Boston 199, 204
New Orleans 578
Wellfleet 236
Oystermen—
Of Louisiana 580
Of Maryland 434, 435, 438
Of Virginia 464, 465, 466
Wages of 440, 466
Oysters, price of, in—
Alabama 571
Western Florida 553, 568
Oysters, production of, in—
Alabama 569
Connecticut 314
Delaware 411
Eastern Florida 523
Georgia 515
Gulf states 536
Louisiana 576
Maryland 424, 442, 448
Massachusetts 117, 121, 133, 139, 179, 188, 225, 263, 265, 276, 735
Mississippi 574
New Hampshire 106, 109
New Jersey 382
New York 344, 345, 347, 349, 350, 351, 354, 357, 360, 361, 362, 366, 371, 372, 373
North Carolina 479, 485
On Pacific coast 592, 596, 597, 626
Pennsylvania 404
Rhode Island 284, 285, 293
South Carolina 505
Texas 582
Virginia 452, 462, 469
Western Florida 537, 551, 566
Oysters, receipts of, at Boston 190, 193
Oysters, transplanted 11, 78
Oysters, transportation of 325

P.

Pacific coast— Page.
- Fisheries, general statistics of 591
- Fisheries of the 589–630
- Fur-seal fishery of the 591
- Marine salt industry of the 591
- Salmon fisheries of the 591
- Statistics of fisheries of the 592
- Whale fishery of the 591

Pacific Guano Company 253
Palatka, Florida, fisheries of 529
Palmasola bay, Florida—
- Fisheries of 545
- Mullet-curing at 545

Palmer, L 361
Palmer's river, Rhode Island 287
Palm Key, Florida, fishing and fish-curing at 546
Pamet harbor, Massachusetts 232
Pamlico sound, North Carolina 456
- Fisheries of 482, 483, 484
- Quahaug industry 484, 485
- Terrapin fishery of 484

Panfish 662
Paralichthys dentatus 586
Paralichthys maculosus 595
Paranzella fishery in California 608, 609
Parephippus faber 462
Parker's island, Maine 74
Parmlee, D. D 649
Parophrys vetulus 611, 622, 627, 628, 629
Parsons, Captain Theodore 159
Pascagoula, Mississippi 575
Pasque island, Massachusetts 261
Pass à Goille, Florida 549
Passaic river, New Jersey 384
Passamaquoddy district—
- Herring fisheries in 12
- Pollock fishery in 12
- Review of fisheries of 11

Patchogue, New York 350, 366, 368
Patience island, Rhode Island 305
Pattee, W. L., *History of Braintree and Quincy* 712
Patterson, Carlile P 433
Patuxent river, Maryland 442
Pawcatuck river, Rhode Island 290, 309, 737
Pawtuxet, Rhode Island 304
Pawtuxet river, Rhode Island 737
Peak's Island, Maine, lobster-grounds at 87
Pearls at Lynn, Massachusetts 710
Pearsall's, New York 373
Pebble's island, Maine 109
Pecho Rancho, California 601
Peconic bay, New York 351, 354
Peconic, New York 356
Peconic Oil Works 353
Peddlers, fish 89, 147, 148, 564
Pedee river, South Carolina 508
Pejepscot Falls, Maine 79
Pemaquid, Maine 52
Pemaquid patent, Maine 60, 64
Pemaquid point, Maine 62, 69
Pembroke, Maine, fisheries of 18
Penmaquan river, Maine 18
Pennsylvania—
- Fisheries of 401–405

Pennsylvania—Continued. Page.
- Salt-water fisheries of 404
- Statistics of fisheries of 403

Penobscot bay, Maine 35, 45
Penobscot, Maine, fisheries of 35, 44
Penobscot river, Maine 50
Penobscot salmon 49, 194
Pensacola, Florida—
- Fisheries of 566
- Fishing by pilots 567
- Fresh-fish trade of 567
- Lay of the fishermen 567
- Oyster industry of 567
- Statistics of fisheries of 568

Pensacola Ice Company 567
Pensaukee, lake Michigan 641
Pentagoet, Maine 43
Pent Water, lake Michigan 652
Pequonock river, Connecticut 318
Perca americana 360, 484
Perch—
- Abundance of, in Currituck sound 480
- At menhaden factory 383
- Dried 628
- First appearance of 268
- Fresh 119, 133, 172, 225, 259, 263
- Red 221, 727
- Sea 196
- White 221, 360, 364, 733
- Yellow 360

Perch, catch of, in—
- Delaware 411
- Massachusetts 118
- San Diego county, California 595

Perch fishery in—
- Alabama 570
- California 620
- Delaware 412, 418
- Louisiana 578
- Maryland 425, 426
- Mississippi 575
- New Jersey 390, 398
- North Carolina 480, 481, 484
- Rhode Island 308, 310

Perch in—
- Jacksonville market 529
- Lake Erie 664
- Massachusetts 118, 712, 717, 734, 735
- San Francisco market 618

Perkins cove, Maine, fishing station 100
Perkins, S. S 100
Perry, Maine 7, 15
Persons employed in fisheries, number of, in—
- Alabama 568
- Alaska 630
- California 593
- Connecticut 313
- Delaware 411
- Eastern Florida 523
- Georgia 514
- Great lakes 633, 638, 657, 659, 672
- Gulf states 536
- Louisiana 575
- Maine 10, 13, 21, 29, 36, 46, 53, 66, 72, 76, 93, 94, 95
- Maryland 423

Page.
Persons employed in fisheries, number of, in—Cont'd.
Massachusetts.....120, 132, 138, 178, 182, 187, 215, 224, 254, 258, 262, 275
Mississippi..... 574
New Hampshire..... 108
New Jersey..... 381
New York..... 343
North Carolina..... 478
Oregon..... 624
Pacific coast..... 592
Pennsylvania..... 403
Rhode Island..... 284
South Carolina..... 504
Texas..... 582
Virginia..... 451
Washington territory..... 625
Western Florida..... 536
Pescadero, California.....603, 606
Peshtigo point, lake Michigan..... 640
Petoskey, lake Michigan..... 654
Pettingell, Captain Moses..... 134
Petty, Sylvanus..... 355
Pew, Captain Henry..... 157
Philadelphia—
Fisheries..... 404
Market for fresh fish..... 197
Oysters shipped.....442, 468
Phippsburg, Maine..... 74, 76
Phocæna americana..... 490
Phycis chuss and P. tenuis..... 14
Phycis Earllii..... 507
Piankatank river, Virginia.....457, 458, 460
Pickerel.....221, 354, 360, 648, 734, 735
Fresh.....193, 645
Salt..... 656
Pickled—
Alewives.121, 188, 191, 192, 225, 255, 263, 276, 285, 314
Bluefish.....121, 188, 225, 255, 483, 562, 568
Cod.....121, 139, 172, 188
Cod, inspection of..... 86
Cod-tongues.....121, 139, 172, 188
Cod, trade in..... 91
Eels.....132, 377
Haddock, trade in..... 91
Halibut-fins.....121, 139, 172, 188
Hard-tails..... 568
Jurels..... 568
Mullet.....545, 546, 562, 568
Oysters..... 573
Pompano.....562, 568
Redfish..... 568
Roes..... 172
Salmon.....79, 172, 191, 192
Salmon, exports of..... 167
Sheepshead.....562, 568
Sounds.....121, 139, 172, 188
Spanish mackerel..... 568
Sturgeon.....79, 682
Swordfish....121, 133, 139, 172, 176, 183, 188, 216, 225
Swordfish, inspection of..... 86
Trout..... 172
Pickled fish—
Barrels for packing.....166, 167
Bounty on exports of..... 128
Pickled fish—Continued. Page.
Exports of.....167, 204, 205, 206, 217, 218
Foreign trade in..... 125
In Maine..11, 13, 18, 22, 29, 37, 47, 67, 77, 90, 94, 95, 96
In Massachusetts.....119, 121, 130, 134, 137, 183, 216, 255, 259
In New Hampshire..... 108
In North Carolina.....483, 487
Inspection of..... 148
Markets for consumption of..... 91
Method of preparing, in Florida..... 564
Receipts of, at Boston..... 192
Trade in, at Boston.....190, 191, 192
Trade in, at Gloucester.....146, 148
Pickled herring—
Exports of.....168, 206
Imports of.....207, 208, 209
In Maine.....11, 13, 16, 17, 19, 22, 29, 33, 37, 42, 47, 54, 55, 67, 73, 77, 93, 94, 95
In Massachusetts.....121, 133, 139, 167, 172, 173, 183, 187, 191, 192, 225
In North Carolina..... 481
Method of packing..... 99
Pickled mackerel—
Exports of..... 206
In Connecticut..... 314
In Maine....11, 22, 29, 37, 47, 54, 67, 73, 77, 93, 94, 95
In Massachusetts.....117, 121, 130, 131, 133, 139, 146, 149, 152, 154, 167, 172, 173, 176, 179, 183, 186, 188, 192, 225, 226, 243, 692, 702, 707, 715, 727, 729
Inspection of..... 86
Method of packing..... 149
"Pickpockets", trading vessels called..... 240
Pidgeon, Captain S..... 361
Pierce's island, New Hampshire..... 109
Pigeon cove, Massachusetts..... 141
Pigeon Hill bay, Maine..... 27
Pigfish.....493, 586
Pike.....354, 360, 618, 636, 638, 641, 642, 643, 649, 655, 658, 660, 661, 664, 667, 668, 673
Mud..... 364
Yellow..... 659
Pine island, Connecticut..... 317
Pine island, Massachusetts..... 267
Pine point, Maine..... 97
Fisheries of..... 96
Pine River, Massachusetts, oyster beds..... 201
"Pink-sterns", style of boat called..... 129
Piper, John D..... 24
Piscataqua, New Hampshire, early fisheries of...105, 677
Piscataqua river.....7, 102, 109, 111
Plaice—
Fish..... 361
Fishery..... 196
Fresh..... 193
Platt & Mallory..... 448
Pleasant bay, Maine..... 26
Pleasant river, Maine..... 25
Pleuronectes stellatus.....611, 622, 623, 627, 629
Pleuronichthys cœnosus..... 628
Plummer, John G..... 135
Plump-nets..... 652
Plymouth Company—
Land in Maine granted to..... 7
Maine territory granted to..... 101

Page.

Plymouth district—
- Defined ... 151
- Exports of fish from ... 217, 218
- Review of ... 214
- Statistics of cod fishery from 1815 to 1879 ... 216

Plymouth, Massachusetts—
- Alewife fishery of ... 721, 723
- Boneless fish at ... 222
- Clam-digging at ... 222
- Cod fishery of ... 127, 723
- Early history of ... 717
- Eel fishery at ... 724
- Fish as manure at ... 718
- Fisheries of ... 127, 214, 221, 718, 720, 722
- Fishery grants at ... 721
- Free liberty to fish at ... 718, 719
- Lobster fishery of ... 222, 718
- Mackerel fishery of ... 116, 722, 723
- Net-fishing at ... 719
- Schools supported by fisheries ... 721
- Shad-spawn at ... 718
- Statistics of fisheries in 1879 ... 215, 223
- Water bayley at ... 722
- Whale fishery of ... 724

Pocasset, Massachusetts ... 249, 251
Pocomoke sound, Maryland ... 434
Pogonias chromis ... 502, 525, 529, 586
Pohegan fishery ... 171
Point à la Hache, Louisiana ... 578
Point aux Barques ... 659
Point Judith, Rhode Island, the fisheries of ... 308
Point Magu, California ... 598
Point of Pines, California ... 605
Point Reyes, California ... 609, 619
Point Sable, lake Huron ... 657
Point San Pedro, California ... 620
Point Wagoshance ... 654
Pole harbor, Block island ... 302
Polish fishermen ... 643
Pollachius carbonarius ... 14

Pollock—
- Exports of ... 167
- Roe of, for bait ... 152

Pollock, catch of, in—
- Massachusetts ... 118
- New Hampshire ... 109

Pollock, dry, in—
- Maine ... 11, 13, 14, 22, 29, 37, 46, 53, 66, 73, 77, 93, 94, 95
- Massachusetts ... 120, 133, 139, 167, 172, 183, 188, 192, 215, 225, 255, 259, 263, 692
- Trade, at Portland ... 91

Pollock fishery in—
- Maine ... 12, 14, 15, 17, 18, 19, 23, 24, 84, 85, 98, 100
- Massachusetts ... 164, 239, 246, 255, 691, 704, 708
- Rhode Island ... 294

Pollock, fresh, in—
- Connecticut ... 314
- Massachusetts ... 119, 133, 138, 172, 179, 183, 188, 193, 215, 225, 255

Pollock in—
- Massachusetts ... 176, 724, 735
- Washington territory ... 627

Pollock-liver oil ... 150
Pomace, herring ... 18, 26

Page.

Pomadasys fulvomaculatus ... 493, 586
Pomatomus saltatrix ... 389, 462, 481, 486, 502
Pomham rocks, Rhode Island ... 289
Pomolobus vernalis ... 14
Pomoxys nigromaculatus ... 516

Pompano—
- Catch of, in western Florida ... 536, 537, 552, 561
- Fishery ... 567, 570, 576
- In Boston market ... 197
- In California ... 600
- In Texas ... 586
- Pickled ... 562, 568
- Salted ... 564, 565

Pond Quogue, New York ... 363
Pond Village, Massachusetts ... 232
Pope's island, Massachusetts ... 267
Popham and Gilbert at Pemaquid, Maine ... 60
Popham, Sir Francis, in Maine ... 62
Porgee fishery in Virginia ... 462

Porgies—
- In South Carolina ... 508
- On Long Island, New York ... 359, 360, 361

Porgy—
- Fishery ... 390, 463, 507
- Fresh ... 284, 314, 376
- Oil ... 172

Porichthys porosissimus ... 612

Porpoise—
- Bass ... 724
- Fishery ... 296, 490, 547
- Gray ... 724
- Streaked ... 724

Porpoise channel, New York ... 350
Portage entry, lake Superior ... 636
Port Blakeley, Washington territory ... 627
Port Clinton, lake Erie ... 664

Port Clyde—
- Cannery ... 52
- Lobster cannery ... 56

Porte des Mortes, lake Michigan ... 646
Port Gamble, Washington territory ... 628
Port Harford, California ... 601
Port Hope, Michigan ... 659
Port Huron, Michigan ... 659
Port Jefferson harbor, New York ... 350
Port Jefferson, New York ... 350

Portland and Falmouth district—
- Review of fisheries of ... 76
- Statistics of fisheries of ... 76

Portland, Maine—
- Boat fisheries of ... 85
- Cod fishery of ... 83
- Early fisheries of ... 81
- Fish-curing at ... 85
- Fishery interests of ... 81
- Fresh-fish trade of ... 89
- Haddock fishery of ... 83, 84
- Haddock-smoking at ... 86
- Halibut fishery of ... 83
- Herring fishery of ... 84
- Herring-smoking at ... 86
- Inspection of fish at ... 86
- Lobster industry of ... 87, 88

Portland, Maine—Continued. Page.
Mackerel fishery of ... 83
Oysters shipped to ... 442, 468
Portland, Maine, trade in—
Dry fish at ... 90
Fish-oil at ... 90
Pickled fish at ... 90
Pickled mackerel ... 91
Provisions and outfits ... 90
Vessel-fisheries of ... 83
Portland Packing Company ... 88
Port Ludlow, Washington territory ... 628
Port Madison, Washington territory ... 628
Port Monmouth, New Jersey ... 383
Port Ontario, New York ... 672, 673
Porto Rico, fish exports to ... 167, 205
Port Royal and Beaufort, South Carolina, fisheries of ... 510
Port Royal sound, South Carolina, drum fishery of. 511
Port Sanilac, Michigan ... 659
Portsmouth district, statistics of fisheries of ... 106
Portsmouth, New Hampshire—
Cod fishery of ... 109
Early fisheries of ... 679, 688
Early history of ... 678
Fisheries of ... 109, 679
Haddock-smoking ... 87
Mackerel fishery of ... 109
Oyster industry of ... 106, 110
Present condition of fisheries of ... 109
Portsmouth, Rhode Island ... 283, 286
Menhaden industry of ... 297
Port Townsend, Washington territory ... 626, 628
Portugal—
Early trade with ... 679
Exports of fish to ... 124, 217, 700
Portugal cove, Newfoundland, squid at ... 160
Portuguese—
Fishermen ... 146, 214, 231, 604, 608, 627
Whalemen ... 601
Portuguese land, California ... 597
Port Washington, lake Michigan ... 647
Port Washington, New York ... 347
Potomac river ... 460
Oysters ... 291, 442
Potowomut river, Rhode Island ... 291
Poultneyville, New York ... 673
Pound-net fishery in—
Connecticut ... 317, 319, 321
Massachusetts ... 272
New Jersey ... 383, 387, 388, 389, 397, 398
New York ... 345, 351, 352, 358, 359, 360, 374, 375
North Carolina ... 481, 489
Rhode Island ... 295, 297, 298, 303, 304, 306, 307, 309, 310
Texas ... 585
Virginia ... 454, 457, 458, 459, 460, 463
Western Florida ... 548
Pound-net fishery of—
Lake Erie ... 662, 663, 664, 665, 666, 668
Lake Huron ... 657, 658
Lake Michigan ... 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 651, 652, 653, 655
Lake Ontario ... 673
Lake Superior ... 635, 636, 637, 638
Pound-nets— Page.
Manufacture of ... 320
Statistics of ... 284, 314, 343, 381, 383, 385, 393, 423, 424, 429, 451, 452, 478, 479, 504, 514, 633, 634, 638, 655, 657, 659, 672
Pounds—
Alewife ... 57
Fish ... 61, 120, 164
Powaget pond, Rhode Island ... 289
Pownalboro', Maine ... 70
Pratt's *History of Eastham, Wellfleet, and Orleans* ... 727
Prawn—
At Fernandina, Florida ... 525
Catch of, on Pacific coast ... 594, 618, 624
Fishery ... 494, 526
For drum-bait ... 512
In San Francisco market ... 618
Prawns, English ... 197
Preston Brothers ... 383
Price & Co., T. F ... 353
Price's Neck, Rhode Island ... 298
Prince Edward island, imports from ... 207
Prince's *New England Chronology* ... 720
Princess Anne county, Virginia ... 453, 465
Privateers manned by fishermen ... 124
Proctor, George H ... 172
Products of fisheries, statistics for—
Alabama ... 569
Alameda county, California ... 624
Alaska ... 630
Barnstable district ... 224
Bath district ... 72
Belfast district ... 46
Boston district ... 187
California ... 594
Castine district ... 37
Connecticut ... 314
Delaware ... 411
Del Norte county, California ... 624
Eastern Florida ... 523
Edgartown district ... 259
Fall River district ... 275
Frenchman's Bay district ... 29
Georgia ... 515
Gloucester district ... 137, 138
Great lakes ... 633
Gulf states ... 536
Humboldt county, California ... 624
Kennebunk district ... 94
Lake Erie ... 660
Lake Huron ... 657
Lake Michigan ... 639
Lake Ontario ... 672
Lake Superior ... 634
Louisiana ... 576
Machias district ... 22
Maine ... 10
Marblehead district ... 183
Marin county, California ... 624
Maryland ... 424
Massachusetts ... 118
Mendocino county, California ... 624
Monterey county, California ... 607
Nantucket district ... 254
New Bedford district ... 262

Products of fisheries, statistics for—Continued. Page.
Newburyport district 132
New Hampshire 108
New Jersey 381
New York 344
North Carolina 479
Oregon 625
Pacific coast 592
Passamaquoddy district 13
Pennsylvania 403
Plymouth district 215
Portland and Falmouth district 77
Rhode Island 284
Saco district 93
Salem and Beverly district 178
San Francisco county, California 618
San Luis Obispo county, California 602
San Mateo county, California 607
Santa Barbara county, California 602
Santa Cruz county, California 607
Sonoma county, California 624
South Carolina 505
Texas 582
Virginia 451, 452, 454
Waldoboro' district 53
Washington territory 626
Western Florida 536
Wiscasset district 66
York district 95
Products of sea fisheries, statistics for—
Eastern Florida 524
North Carolina 480
South Carolina 505
Promised Land, New York 353, 360
Prospect harbor, Maine 30
Protection of fisheries 126
Prouts Neck, Maine 97
Providence county, Rhode Island 303
Providence, Rhode Island 283, 286, 288, 442
Oysters shipped to 468
Providence river, Rhode Island 283, 287, 305
Provincetown, Massachusetts 226
Bluefish fishery of 228
Cod fishery of 127, 227
Fisheries of 127, 226
General description of 226
Hake fishery of 228
Lobster fishery of 229
Mackerel fishery of 116, 227
Review of fisheries of, 1860 to 1870 230
Whale fishery of 115, 229
Provisions used on vessels 169, 170
Prudence island, Rhode Island 298, 305
Psettichthys melanostictus 611
Pseudorhombus dentatus 525
Public service of fishermen 128
Punta Alones, California 603
Purchase, Thomas, settlement in Maine 79
Purissima, California 606
Purity creek, Florida 554
Purse-seine—
First used by Maine fishermen 65
Fishery for bluefish 239
Fishery for rockfish 482
Invention of 355
Purse-seines— Page.
Mackerel 40, 57, 63
Menhaden 159
Purse-seines, number and value of, in—
Connecticut 314
Maine 10, 13, 29, 37, 46, 53, 66, 77
Maryland 423, 429
Massachusetts 120, 132, 138, 153, 178, 183, 187, 215, 224, 263, 275
New Hampshire 108
New Jersey 381
New York 343
North Carolina 479
Rhode Island 284
Virginia 451, 460
Put-in bay, lake Erie 664
Puyallup river, Washington territory 627

Q.

Quahaug bay, Maine 79
Quahaug fishery in—
Maine 79
Massachusetts 234, 239, 248, 256, 265, 269, 270, 725
New Jersey 381, 388, 392
New York 381
North Carolina 481, 491
Rhode Island 296, 305
Virginia 462
Quahaug fishery, northern limit of 79
Quahaugs—
Canned 484
In Maryland 429
In Massachusetts 121, 199, 225, 255, 259, 263, 267, 724, 734, 735
In New Jersey 383, 393
In Rhode Island 284
Quamquesset harbor, Massachusetts 253
Quartermaster's harbor, Washington territory 627
Quereau Bank halibut fishery 157
Quereau cod fishery 61, 68, 69
Quincy, Massachusetts 213, 712, 713
Quinepiac river, Connecticut 325, 326
Quinnault, Washington territory 629
'Quisset harbor, Massachusetts 253
Quogue, New York 363
Quonochontaug pond, Rhode Island 308

R.

Racine, lake Michigan 648
Rackett, Captain Willard 359
Ragged Edge Oil Works 353
Ragged island, Maine 56
Railways, marine 69
Ramea island, halibut fishery at 157
Ranger Oil Company 353
Rappahannock River oysters 456
Rappahannock river, Virginia 457, 458, 460, 467
Rathbun, Richard 613
Rawlins, D. L 448
Raynor & Co., J. M 353
Razor-clams 367, 374, 596, 725
Razor-fish 199, 268
Razor-shells 724
Red Brook harbor, Massachusetts 251
Red drum, fresh 486

Page.
Redfin fishery 484, 567, 570, 596
Redfish 552, 555, 556, 561, 574, 583, 584, 585, 586, 595, 597, 600
Pickled 568
Salted 564
Red perch 221
Red snappers 510, 517, 518, 525, 535, 536, 548, 577
Catch of, in Alabama 569
Catch of, in gulf of Mexico 536
Catch of, in Louisiana 576
Catch of, in western Florida 537
Fishery 507, 566
In Boston market 193, 196
Redwood City, California 606
Reed, H. G 219
Refrigeration of fish 376, 654, 660
Refrigerator-cars 567, 640
Refrigerators 197
Rehoboth bay, Delaware 409, 416
Rehoboth beach, Delaware 416
Rhode Island—
Early history of 736
Fisheries of 283–310
General review of 283
Mackerel fishery of 116, 716
Oyster interests of 285–294
Statistics of fisheries for 1880 284
Richmond county, Virginia 465
Richmond's island, Maine 81
Ridgewood, New York 372
Riggs, W. K 74
Riggs cove, Maine 74
River bass 664
Riverdale, Massachusetts 143
River fisheries—
Depletion of, in Massachusetts 136
Product of, in New York 344
River fisheries of—
Delaware 411
Eastern Florida 523
Georgia 515
Maine 9, 47, 55, 74, 75, 83, 97, 102
Maryland 423, 424
North Carolina 479
South Carolina 505
Virginia 451, 452, 457
Riverhead, New York 345, 354
Roach 734
Roanoke island, North Carolina—
Fisheries of 481
Terrapin fishery of 482
Roanoke river, North Carolina 478
Robalo 586
Robbinston, Maine, fisheries of 15
Robert Pettis 289
Robinson, Edward 251
Robinson, J. P. & G. C 90
Roccus americanus 360, 547
Roccus lineatus 360, 386, 390, 395, 481
Rochester, Massachusetts 267, 734
Rockaway beach, New York 373
Rockaway, New York 372
Rock bass 268, 274, 735
Rock cod—
Page.
Catch of 600
Fishery 609, 615
Rock fishery in—
Delaware 418
Georgia 516
Maryland 425, 426
New Jersey 390, 398
North Carolina 481, 482, 484
Rockfish 385, 480, 596, 597, 604, 605, 618
Orange 627
Salt 627
Rockfish fishery, in—
California 609, 619
Washington territory 629
Rockland, Maine—
Fisheries of 54, 55
Haddock-smoking 87
Rockport, Maine, fisheries of 49
Rockport, Massachusetts 115, 141, 163
Isinglass industry at 142
Mackerel fleet of, in 1851 116
Rockport, Texas 586
Rock trout 604
Rockville Centre, New York 373
Rocky Point, New York 351, 358
Rocky Point, Rhode Island 305, 308, 309
Roe, fish, for sardine-bait 151, 152
Roe, sturgeon 503, 510, 518
Roes, mullet 494, 495, 541, 544
Rogue island, Maine 24
Rogue River salmon fishery 625
Roncador 595, 597
Roncadore fishery 596
Ronco 586
Roosevelt, Robert B 368
Roslyn, New York 347
Round pond, Maine 59, 61
Rowayton, Connecticut 337
Oyster industry of 339
Rowe, H. C 331
Rowley, Massachusetts, ship-building at 134
Rowley's point, lake Michigan 646
Roxana, Delaware 418
Rudder-fish 735
Rumstick point, Rhode Island 288
Russian river, California 619
Russian sardines 10, 13, 25
Rye, New Hampshire 678

S.

Sabine, Lorenzo, cited 62, 122, 131, 189, 677
Sabine's point, Rhode Island 289
Sable Island cod fishery 70
Sachem's Head, Connecticut 324
Sachnest beach, Rhode Island 297, 298
Sachnest neck, Rhode Island 296, 298
Sackett's Harbor, New York 672, 673
Saco bay, Maine, fisheries of 97
Saco district—
Fisheries of 92
Statistics of fisheries of 92, 93
Saco river, Maine 97
Sacramento River salmon fishery 593

Page.
Saddle-rock oysters 203, 338
Sagadahoc, Maine 52, 60
Sag Harbor, New York 353, 354, 361
Saginaw bay, lake Huron 658
Sagua la Grande 544
Sail-making 145, 241
Sailor's choice 525, 529, 552, 554
Sails, quantity of cotton used for 170
Saint Andrew's bay, Florida—
History of fisheries of 564
Present fisheries of 565
Saint Andrew's bay, New Brunswick 15
Saint Ann's, squidding at 159
Saint Augustine, Florida—
Early settlement of 525
Extent of fisheries of 526
Green-turtle fisheries of 526
Primitive condition of fisheries of 525
Shrimp fishery of 526
Saint Clair river 659
Saint Croix river, Maine 14, 15
Saint George, Maine, fisheries of 52, 54, 55, 60
Saint George river, Maine 55, 57
Saint George's sound, Florida 559
Saint Helena sound 507
Saint James, New York 350
Saint John's, Newfoundland, captured 126
Saint John's river, Florida—
Description of 522
Fisheries of 528
Saint Jones' creek 412
Saint Joseph, lake Michigan 651
Saint Joseph's bay, Florida 561
Saint Louis, market for fresh fish 197
Saint Mark's river, Florida—
Fisheries of 554
Methods of fishing at 554
Mullet-fishing at 555
Oyster-beds in 555
Winter fishing at 555
Saint Mary's river, Florida 525
Saint Michael's, Maryland 467
Statistics of oyster-packing 445
Saint Peter's Bank halibut fishery 157
Saint Pierre, sales of squid at 159, 160
Saint Sebastian river, Florida 525
Saint Simon's, Georgia 518
Saint Simon's sound, Georgia 518
Saint Vincent's sound 559
Sakonnet Point oysters 287
Sakonnet Point, Rhode Island 273, 294, 295
Sakonnet river, Rhode Island 296, 298
Salem and Beverly district—
Fisheries of 178
Statistics of fisheries of 178
Salem, Massachusetts—
Early history of fisheries of 123, 127, 695, 698, 701, 702
Fish and oil at, in 1687 699
Fisheries injured by war 699
Fisheries of 127, 180, 181, 699
Grants of land to fishermen at 697
Mackerel fleet of, in 1851 116
Salem, Massachusetts—Continued.
Page.
Oyster industry of 181, 182
Trouble with Indians at 698, 700
Salina, Louisiana 579
Salinas ranch, California 597
Salisbury, Massachusetts—
Boat-building at 131, 134
Mackerel fleet of, in 1851 116
Ship-building at 134
Salisbury point, Massachusetts 134
Salmon—
Canned 591, 592, 625, 629
Catch of, in Massachusetts 118
Catch of, on Pacific coast 591, 625, 626, 630
Dog 627
Former abundance of 132, 685
Frozen, in Boston market 197
Gill-nets 195
Hooped 629
Pickled 79, 172, 191, 192
Pickled, exports of 167
Salt 618, 626, 627
Silver 628
Smoked 377, 618
Sucheye 629
Weirs 48, 76
Salmon fishery in—
California 598, 603, 604, 609, 614, 619
Lake Ontario 673
Maine 14, 15, 45, 47, 48, 49, 74, 79, 80, 97, 102
Massachusetts 130, 132, 136, 273
Oregon 625
Pacific coast 591, 593
Rhode Island 296
Washington territory 626, 627, 628
Salmon, fresh—
In Boston market 193, 194, 197
In Massachusetts 119, 138, 193, 194, 197, 225
In Rhode Island 284
On Pacific coast 618, 625, 626, 630
Trade in, at Portland 89
Salmon river, Labrador 135, 684
Salmon-trout 191, 192, 193, 196, 453, 488, 627
Fishery 487
Salmo purpuratus 627
Salmo salar 14
Salt—
Cadiz 36, 234
Consumption of, in Massachusetts fisheries 120
Fish 494, 633, 634, 636, 638, 639, 657, 660
Fish trade 247, 486, 567
For curing codfish 84, 234
For curing mullet 559
For fish-curing 75, 90, 130, 144, 170, 234, 695, 724
Halibut fishery 146, 147
Imports of 44, 167, 168, 169
Industry 209, 210, 253, 591
Liverpool 36, 234
Manufacture of marine 127, 258, 273, 569, 597, 715, 717, 729, 730, 734
Marine 121, 226, 592, 594
Quantity of, taken on voyages 169
Syracuse 234
Used in the fisheries 129, 210, 211, 242, 694, 698, 707

Page.
Salted—
Anchovies 603
Salmon 626
Salter's island, New Hampshire 109
Salt-works in Alameda county, California 619
Salt-works, marine, in Massachusetts 127, 685, 728 732
Salvelinus malma 627
Samoset, deed of land from Indian 60
San Buenaventura, California 598
Sand beach 659
San Diego county, California 595, 599
San Domingo, exports of fish to 205, 206
Sand, sea, gathered at Salisbury point 134
Sand sharks 268, 547
Sandusky, Ohio 664
Sandwich, Massachusetts 248
Alewife fishery of 249, 730, 731
Early fisheries of 730
Fisheries of, from 1802 to 1862 731
Oyster industry of 249–252, 731
Oysters 202
Whale fishery of 730
Sandy bay, Massachusetts 141, 163, 691
Sandy Hook bay, New Jersey 392
Sandy hook, New Jersey 384, 388
Sandy neck, Massachusetts 245
Sandy point, Rhode Island 306, 309
Sanford, Florida 530
San Francisco, California—
Cod fishery of 593
Fisheries in 1875 614
Fish market 608, 613
Fish shipped to 604, 606, 621
Herring fishery of 615
Prejudice against Chinese at 617
Shrimp fishery of 616
Statistics of fish trade of 618
Sturgeon fishery of 616
Whaling fleet in 1880 115
San Francisco county, California—
Chinese fisheries of 612
Crab fishery of 613
Fishermen of 608
Fishing boats of 608
Paranzella fishing in 609
Rock-cod fishing in 609
Sea-turtle fishery of 613
Shrimp fishery of 612
Statistics of fisheries of 618
Terrapin fishery of 613
San Gregorio, California 606
San Juan, Washington territory 628
San Luis Obispo county, California 599, 601
Statistics of fisheries of 602
San Luis Rey river, California 598
San Mateo county, California 603, 606
Statistics of fisheries of 607
San Pedro, California 597, 619
San Rafael, California 619
San Simeon, California 601
Santa Barbara, California 599, 600
Santa Barbara county, California 599
Statistics of fisheries of 602
Santa Clara county, California 603 606
Santa Cruz county, California 603, 605
Statistics of fisheries of 607
Santa Cruz island, California 599
Santa Monica, California 597
Santa Rosa island, California 599
Santee river, South Carolina 508
Sarasota bay, Florida—
Fisheries of 542
Method of curing mullet roes 544
Mullet-curing at 544
Sarda mediterranea 389
Sardine canneries in Maine 15, 21, 25, 26, 33, 50
Sardine industry of Maine 10, 12, 17, 18, 20
Sardines 595
For bait 609
Herring as 15
Quantity canned in Maine 18
Russian 10, 11, 25
Sargus Holbrookii 507
Satilla River fisheries 502
"Saturday Night", fishing-ground called 163
Saugatuck river, Connecticut 336
Saugers 663, 664
Saugertauk, lake Michigan 651
Saugus river, Massachusetts, clams in 198, 709, 710
Sault de Sainte Marie, lake Superior 637
Saunderstown, Rhode Island 307
Savannah, Georgia 501, 504
As a commercial center 516
As a fishing town 516
Coast fisheries of 516
Fish trade of 517
Fresh-water fisheries of 516
Shad fishery of 516
Shrimp fisheries of 516
Vessel-fisheries of 516
Savannah river, Georgia 502, 514
Saw-fish 527
Sawyer's island, Maine 69
Saybrook, Connecticut 319
Sayville, New York 366, 368
Scale-fish 154, 700
Scallop fishery in—
Massachusetts 246, 247, 265, 269, 270, 271, 272, 277
New York 347, 348, 351, 353, 354, 355, 356, 357, 358, 360, 362, 373
North Carolina 492
Rhode Island 304, 305, 306
Scallops—
In Boston market 193, 199
In California 597
Statistics of production of 121, 225, 259, 263, 265, 276, 284, 285, 304, 305, 306, 345, 347, 348, 351, 353, 354, 355, 356, 357, 358, 360, 362, 373, 376
Scarboro' beach, Maine, clam-digging at 96
Scarboro' clams 96
Scarboro', Maine 97
Schools, free, supported by fisheries 222, 223
Schooner, origin of 689
Sciæna ocellata 486, 502, 525, 529, 585
Scituate, Massachusetts—
Fisheries of 127, 219
History of 715

Scituate, Massachusetts—Continued. Page.
Irish-moss industry at 214, 219
Mackerel fishery 116, 716, 717
River fisheries of 716
Scomberomorus maculatus 389, 416, 462, 484, 486
Scomber scombrus 24, 88
Sconticut Neck, Massachusetts 267
Scoop-nets 577
Scorpæna guttata 596
Scotch fishermen 566
Of Gloucester 146
Scotland, exports of fish to 207
Scow-banking for mackerel 195
Scranton, Mississippi 573
Scraping oysters 437
Scrawls 390
Scudder, N. & W. 246
Sculpins 612
Sculpins for lobster-bait 40, 141, 165
Scup—
At Fairhaven, Massachusetts 268
In New York 363
Scup, catch of, in—
Connecticut 314, 316
Massachusetts 118, 225, 255, 263
Rhode Island 284
Scup fishery in—
Maine 102
Massachusetts 196, 243, 244, 245, 247, 248, 252, 253, 255, 256, 260, 262, 267, 269, 271, 273, 731, 735
Rhode Island. 294, 295, 298, 299, 301, 303, 304, 307, 309
Scup, fresh, in—
Connecticut 314
Massachusetts 119, 193, 225, 255, 259, 263
New York 376
Rhode Island 284
Sea bass 118, 316, 394, 411, 600, 605
Fishery ..247, 248, 253, 258, 260, 262, 307, 390, 403, 404
Fresh 119, 138, 193, 225, 284 314
In San Francisco market 618
Seabright, New Jersey 387
Seabrook, New Hampshire, fisheries of 111
Sea clams 121, 199, 225, 241, 255, 259, 263, 367, 374
Sea-elephant fishery 313, 314, 316
Seaford, Delaware 410, 441, 442, 448
Seaford, New York 372
Sea-gulls for bait 156
Seal—
Fishery 41, 262, 313, 315, 683
Flesh 592, 630
Oil 592, 594, 602, 626, 630
Skins, fur 314, 592, 599, 626, 630
Sealing vessels 120, 263, 314
Sea-lion 601
Seal Island ground 8, 50
Cod fishery on 175
Sea-mullet 486
Sea-otter skins 592, 594, 602, 630
Sea-perch 196
Sea-robin 268
Sears, Captain Edward 127
Sears, Captain John, salt manufacturer 127
Sears, Reuben, salt manufacturer 127
Searsport, Maine, fisheries of 47
Sea trout 304, 567, 583, 584

Page.
Seattle, Washington territory 627, 627
Seatuck cove, New York 364
Sea turtle 596
Seavey's island, Maine 109
Seaweed 69, 121, 133, 137, 142, 179, 183, 188, 216, 226, 259, 264, 268, 383, 592, 594, 603, 607
Sebascodegan island, Maine 79
Sebastichthys melanops 627
Sebastichthys pinniger 627
Sedgwick, Maine, fisheries of 41
Seekonk oysters 290
Seekonk river, Rhode Island 291, 292
Seine fishery 306, 390, 481, 553, 570, 635, 636, 637, 638, 647, 648, 656, 661, 666
Seines—
Cod 135
Haul 10, 13, 22, 29, 46, 53, 66, 120, 132, 223, 224, 254, 258, 263, 275, 284, 314, 413, 414, 415, 417, 418, 460
In fisheries of great lakes 633, 634, 638, 657, 659, 672
Manufacture of 213
Purse 10, 13, 29, 37, 46, 53, 66, 77, 108, 120, 132, 138, 153, 159, 178, 183, 187, 215, 224, 263, 275, 284, 314, 343, 381, 423, 429, 451, 460, 479
Selbyville, Delaware 410
Sellman, Henry 50
Seres 268
Seriola carolinensis 507
Serranus atrarius 390, 394, 493, 502, 506, 507, 511, 525
Setauket harbor, New York 350
Setauket, New York 350
Sewell's Point, Virginia 453
Shack-bait for cod 156
Shad—
Drift-nets 375
Early abundance in Merrimack river 132
Former abundance of 48, 132
Fresh 119, 133, 138, 195, 259, 263, 276, 284, 314, 376, 477
Fresh, in Boston market 193, 195, 197
From bay of Fundy 195
From Saint John river 195
Frozen 197
Fykes 374, 375
Gizzard 484, 485, 530
Hick 517
In San Francisco market 618
In Sangus river 710
Method of packing 319
Pickled 191, 192
Spawning of 320
White 517
Shad, catch of, in—
Connecticut 314
Delaware 404, 411
Eastern Florida 523
Georgia 515, 518
Maryland 424
Massachusetts 118, 188, 225, 263, 276
New Jersey 382, 389
New York 344, 345, 347
North Carolina 479, 495

Shad, catch of, in—Continued. Page.
Rhode Island 284
South Carolina 504, 505
Virginia 452, 458, 459
Shad fishery in—
California 605
Connecticut 317, 319, 321, 332
Delaware 412, 413, 414
Eastern Florida 528, 530
Georgia 514, 516, 517
Maine 74, 75
Maryland 427
Massachusetts 130, 132, 136, 240, 252, 258, 265, 273, 275, 276, 686, 710, 711, 712, 716, 721, 735
New Jersey 383, 384, 390
New York 345, 346, 358, 373, 374, 375, 376
North Carolina 478, 481, 482, 483, 484, 485, 487, 489, 492
Pennsylvania 403
Rhode Island 283, 294, 303, 308
South Carolina 502, 506, 507
Virginia 451, 456, 457, 460, 463
Shagwong point, New York 352
Shaler, Prof. N. S., on geology of George's shoals 8
Shallops in Massachusetts 124
Shapleigh's island, New Hampshire 109
Shark-fins 594, 599, 607, 614, 618
Dried 598
Shark—
Fishery 269, 547, 597, 598, 615, 623, 629
Oil 150, 151, 547, 594, 597, 598, 599, 605, 607, 623, 624
Shark river, New York 385, 391, 392
Sharks 570, 578, 585, 605, 735
Black 724
Man-eating 724
Shovel-nosed 724
Sharp-nose sturgeon 502
Sheboygan, lake Michigan 647
Shedding-troughs 428
Sheepscott bay, Maine 71
Sheepscott, Maine 60
Sheepscott river, Maine 68, 69, 70
Sheepshead—
Catch of, in Delaware 411
Fresh 193
Pickled 562, 568
Salted 487, 564
Sheepshead fishery in—
Alabama 570
Maryland 427
New Jersey 395
New York 347
North Carolina 485
Pensacola, Florida 567
Virginia 454, 462, 463
Sheepshead in—
Alabama 574
Eastern Florida 525, 529
Georgia 517
Maryland 427
Massachusetts 196, 268, 731, 733, 735
New York 389, 394
South Carolina 502, 511
Texas 583, 584, 586
Sheepshead in—Continued. Page.
Virginia 458, 459
Western Florida 548, 552, 554, 555, 561
Sheffield pond, Rhode Island 307
Shell lobsters 34
Shells, oyster, utilization of 203
Shelter island, New York 351, 358
Shinnecock bay, New York 352, 362
Ship-building—
By colonists 122
In Maine 26, 59, 61, 65, 68, 69, 71, 72, 74, 75, 80, 99
In Massachusetts 132, 134, 140, 145, 685
Shoalwater bay, Washington territory 629
Shoremen, statistics of 451, 452, 479, 504, 505, 514, 515, 523, 536, 568, 574, 575, 582, 592, 594, 624, 625, 630
Shore whale fishery in—
California 596, 597, 601, 602, 604
Maine 30
Massachusetts 230
North Carolina 490
Shredded cod 377
Shrewsbury, New Jersey, oyster industry of 386
Shrewsbury river, New Jersey 385, 387, 389, 391
Shrimp 492, 516, 518, 525, 535, 624
Canned 585
Dried 618
In Boston market 193, 197
In San Francisco market 618
Method of drying 612
Shrimp, catch of, in—
California 594, 618
Eastern Florida 523, 524
Georgia 515
Gulf states 536
Louisiana 576
North Carolina 479, 480, 495
South Carolina 505
Texas 582
Shrimp fishery in—
California 608, 612, 616, 620
Eastern Florida 526
Georgia 516
Louisiana 576
North Carolina 484, 494
South Carolina 504, 509, 511
Texas 587
Shucked clams 25, 42
Shuckfish for bait 307
Shumagin Islands cod fishery 593
Siasconsett, Massachusetts 255
Sicilian oystermen 580
Silver gar 554
Simonson & Co., A 376
Sinclair, Captain Peter 155
Sinnepuxent bay, Maryland 425
Sippican, Massachusetts 265
Sippican river, Massachusetts 734
Siscoes 673
Siscowet 636, 637
Skate 268, 383, 724
In San Francisco 618
Skinner, Floyd R. 365, 369
Skins, fish—
For glue 119, 142
Utilization of 149, 150

Page.
Skipjacks 493, 508, 586, 735
Skipper creek, Florida 554
Sladesville, North Carolina 484
Slaughter beach, Delaware 414
Smackmen, lobster 59
Smacks—
Fishing 566
Key West 538
Small point, Maine 69
"Smear", Texas fish called 586
Smelt 188, 193, 259, 263, 595, 716, 731, 735
Canned 121, 188, 197, 198
Fresh 119, 138, 179, 195, 284, 314, 376
Frozen 195
In San Francisco market 618
Smoked 377
Smelt, catch of, in—
California 597, 600
Connecticut 317
Massachusetts 118, 119
Rhode Island 284
Smelt fishery in—
California 596, 604, 609, 615, 619
Connecticut 316, 317
Maine 26, 43, 44, 45, 48, 55, 59, 61, 64, 67, 75
Massachusetts 195, 246, 710
New Jersey 384
Rhode Island 308, 309
Smith & Co., Jonas 353
Smith isles, Isles of Shoals 111
Smith River salmon fishery 593, 623
Smith's point, New York 367
Smithtown bay, New York 350
Smithtown, New York 350
Smithville, North Carolina 493
Smoked—
Alewives 121, 225, 248, 276, 285, 296, 297, 709
Bluefish 121, 255
Eels 377
Haddock 11, 14, 17, 18, 47, 77, 86, 87
Haddock, origin of, in America 87
Halibut 121, 133, 134, 139, 149, 167, 225, 618, 692
Herring, exports of 167
Herring, production of, in Maine 11, 12
Mackerel 377
Salmon 377, 618
Smelt 377
Sturgeon 377, 650, 651, 663, 666, 668, 670
Whitefish 649, 650
Smoked fish—
Exports of 205
In Maine 11, 14, 22, 29, 37, 47, 67
In Massachusetts 119, 121, 130, 137, 139, 191, 225, 276
In New York 377
In North Carolina 485
Production of great lakes fisheries 633, 639, 646, 647, 660
Trade of Boston in 190–192
Trade of Gloucester in 146, 149
Smoked herring in—
Belfast district 47, 50
Boston district 191, 192
California 615, 618
Smoked herring in—Continued.
Page.
Castine district 37, 38, 42
Frenchman's Bay district 28, 29, 32, 33, 34
Gloucester district 176
Machias district 22, 23, 26, 27
New York 377
Passamaquoddy district 16, 17, 18, 19, 20, 21
Portland district 77, 86, 87
Rhode Island 309
Waldoboro' district 54, 55, 57, 65
Washington territory 627, 628
Wiscasset district 67, 70, 71
Smoke-houses—
Halibut 149
Herring 19, 20, 21, 33, 34, 56, 65, 70, 71
Smutty Nose island, Isles of Shoals 111
Snapper banks, Florida 567
Snow, Franklin 190
Snow Hill, Maryland 425
Snows, fishing 701, 705
Snuff Box island, New Hampshire 109
Sole fishery 622
Soles in San Francisco 618
Somerset county, Maryland 437, 438
Somerset, Massachusetts 251, 278
Somerset Oyster Company 278
Somerset oysters 277
Sonoma county, California 619, 624
Soquel, California 605
Sounds—
Cod 142, 179, 679, 694, 702, 707
Cod, exports of 167
Fish 11, 14, 18, 37, 47, 54, 67
Fish, dried 22, 73, 78, 93, 94, 95, 119, 121, 133, 136, 139, 142, 151, 183, 188, 211, 216, 226
Hake 142, 162, 163
Pickled 121, 139, 172, 188
Squeteague 285
Trout 489
Weakfish 142
South America, fish imports from 137
Southampton, New York 351, 362
South Bristol, Maine, cod fisheries of 61
South Carolina—
Alewife fishery of 504
Fisheries of 499, 501
River fisheries of 505
Sea fisheries of 504
Shad fishery of 504
Statistics of fisheries of 504
Statistics of sea fisheries of 505
Sturgeon fishery of 504
South Carolina and Georgia—
Boat-fisheries of 502
Description of coast of 501
Sturgeon fishery of 502
Terrapin fishery of 503
South channel cod fishery 154, 194
South channels, fisheries in 129
South Chatham, Massachusetts 240
South Chicago, Illinois 649
South Dartmouth, Massachusetts 273
Southern mackerel fishery 65, 145
South Ferry, Rhode Island 307

Page.
South Freeport, Maine 81
South Georgia islands 316
South Harwich, Massachusetts 241
South Haven, lake Michigan 651
South Kingston, Rhode Island 286
South Norwalk, Connecticut 332
Oyster business of 337
Southold, New York 351, 357
South Orleans, Massachusetts 239
South Oyster bay, New York 362, 371
Southport, Maine 65, 68, 70, 71
South Shetland islands 316
South Side Sportsman's Club 369
South Thomaston, Maine, fisheries of 54, 55
South Truro, Massachusetts, fisheries of 232
Southwest harbor, Maine 34
Southwest pass, Louisiana 579
South Yarmouth, Massachusetts 245
Spain, fish exports to 62, 124, 130, 135, 679, 682, 693, 696, 700, 705
Spanish fishermen 504, 566, 608
Spanish mackerel—
Canned 484
Fresh 193, 486
Pickled 568
Salted 564
Spanish mackerel in—
Boston market 196
Delaware 416
Louisiana 576, 577
Maryland 427
Massachusetts 225, 267, 268, 274
New Jersey 388, 389
New York 357, 358, 359, 360, 361, 363, 369, 371, 373
North Carolina 487
Rhode Island 294, 301, 307
Texas 585, 586
Virginia 457, 458, 459, 462
Western Florida 552, 567
Sparus pagrus 507
Spawn, fish 121, 133, 139, 151, 152, 183, 188, 226
Pickled 172
Speckled trout 586
Speonk, New York 364
Sperling—
Fishery 70, 134, 136
For bait 163
Spermaceti 272
Candles 119
Oil 130
Sperm oil, production of, in—
Barnstable district 226, 229
Boston district 188, 189
Connecticut 315, 316
Edgartown district 259
Massachusetts 121, 713, 724
New Bedford district 264, 269, 270, 272
1854 116
Sperm-whale fishery 229
Spirwink river, Maine, clam-flats in 96
Spit island 664
Sponge fishery 535, 537
Sponges, statistics of 536, 537
Spot—
Page.
Catch of, in Delaware 411
Fresh 486
Salted 486, 487
Spot fishery in—
Delaware 410, 414, 418
North Carolina 481, 483, 485, 487
Virginia 453, 454, 462
Spotted—
Sea-trout 424, 425, 452, 453, 480, 505, 515, 523, 524
Trout 502, 516, 517, 552, 567
Spring creek, Florida 554
Springs, New York 360
Sprite's island, Connecticut 337
Squalus acanthias 626
'Squam river, Massachusetts 143, 165, 689
Squan river, New Jersey 385, 387, 388, 391, 392
Squeteague—
Fresh 119, 225, 284, 314
Sounds 285
Squeteague, catch of, in—
Connecticut 316
Delaware 411
Maryland 424, 425
Massachusetts 118, 259, 263, 268, 733, 734, 735
New Jersey 382
New York 344
North Carolina 479
Pennsylvania 404
Rhode Island 284, 301
Virginia 451, 453
Squeteague fishery in—
Connecticut 316, 319
Massachusetts 253, 267, 269, 274
Rhode Island 294, 296, 298, 303, 304, 306, 307, 308, 309
Squid 121, 139, 160, 161, 179, 268, 724, 735
Bait fishery 159
Dried 604
Fishery 118, 120, 137, 174, 178
Fishery at Cape Breton 159, 160
Fishery at Newfoundland 160, 161, 180
Fishery, vessels in 120, 138, 159, 178
For bait 160, 161
For cod-bait 156
Squidding for bluefish 156
Squirrel-fish 507
Stage island, Maine 97
Stake-net fishery 373
Stake-nets for shad 375
Stamford, Connecticut, oyster industry of 339
Stamford oysters 203
Standard Fertilizer Company 220
Stannard, R. H 321
Staples, G. M 39
Star-fish 486
Stargut island, Rhode Island 289
Star island, Isles of Shoals 111, 112
Stark, William, cited 132
Starvegoat island, Rhode Island 289
Staten island, New York 375, 376
Statistics of—
Commercial fisheries of North Carolina 478
Fishery exports from Boston 204–207
Fishery imports into Boston 207–209

Statistics of—Continued. Page.
Massachusetts fisheries in 1837 and 1840 130
Oyster interests of Fall River district 280
Oyster trade of Maryland 448
Persons in oyster trade of Maryland 447, 448
Statistics of fisheries of—
Alaska 630
Barnstable district 224
Bath district 72
Boston district 187
California 593, 594
Castine district 36
Connecticut 313
Delaware 411
Eastern Florida 523
Edgartown district 258
Elizabeth City county, Virginia 456
Fall River district 275
Frenchman's Bay district 29
Georgia 514
Gloucester district 137, 138, 139
Gloucester from 1870 to 1881 170–175
Kennebunk district 94
Lake Erie 659
Lake Huron 657
Lake Ontario 672
Lake Superior 634
Louisiana 575
Machias district 21
Maine 10
Marblehead district 182
Maryland 423
Massachusetts in 1879 117–121
Monterey county, California 607
Nantucket district 254
New Bedford district 262
Newburyport district 131
New Hampshire 108
New Jersey 381
New York 343
New York bay 382
Northern New Jersey 384
Oregon 624
Passamaquoddy district 13
Pennsylvania 403
Plymouth district 215
Portland and Falmouth district 76
Rhode Island for 1880 284
Saco district 93
San Luis Obispo county, California 602
San Mateo county, California 607
Santa Barbara county, California 602
Santa Cruz county, California 607
South Carolina 504
Southern New Jersey 393
Texas 582
The great lakes 633
Virginia 451
Waldoboro' district 53
Washington territory 625
Wiscasset district 66
York district 95
Statistics of fish taken in—
Los Angeles county, California 597
San Diego county, California 595
Statistics of oyster industry of— Page.
Boston 204
Chesapeake bay 469
New Hampshire 107
Rhode Island 294
Statistics of oyster-packing in—
Maryland 445
Virginia 467, 468, 469
Statistics of salt-water fisheries of—
Alabama 568
Georgia 515
Maryland 424
Pennsylvania 405
Statistics of sea fisheries of—
Eastern Florida 523
North Carolina 479
Virginia 453
Steamer—
Cannery 49
For gathering marine products 44
Mackerel 54
Steamers, menhaden 52, 61, 69, 99
Stearns, Silas 522, 533
Steilacoom, Washington territory 626
Stenotomus chrysops 359, 390, 502, 507
Sterling oil-works 353
Steuben, Maine, fisheries of 25, 27
Stevens' Point fishermen 672
Still-baiting in New Jersey 388
Stingaree 586
Stingray point, Virginia 460
Sting-rays 383
Stockton, Maine, fisheries of 47
Stolephorus ringens 612
Stonington, Connecticut—
Fur seal fishery of 313, 315
Whale fishery of 313, 315
Stony Brook harbor, New York 350
Stony brook, New York 350
Stony creek, Connecticut 318, 323
Stony Creek Oyster Company 323
Stony point, Lake Erie 662
Stop-fishing in Florida 528
Straight beach, Virginia 453
Straight-boat 111
Straits of Belle Isle cod-fishery 242, 723, 726
Straits of Mackinac 654, 655
Stratford, Connecticut 332, 334
Streater, G. C., on Salem fisheries 695
Striped bass—
Fishery 196, 248, 260, 265, 307
Fresh 119, 133, 193, 196, 225, 254, 284, 314
Striped bass in—
Connecticut 316, 320, 332
Delaware 411
Massachusetts 118, 138, 268, 274
New York 354, 360, 361, 363, 364, 368, 372
Rhode Island 284
Striped mullet 268
Stromateus triacanthus 359, 389
Studley, Henry T 63
Sturgeon—
At Victoria, Washington territory 629
Caviar 503, 505
Dried 79

Sturgeon—Continued. Page.
Early exports of 685
Fishing by Indians 283
Former abundance of 132, 685, 724
Fresh 119, 133, 138, 193, 196, 225, 259, 263, 376, 650
In fisheries of the great lakes 640, 647, 648, 649, 650, 658, 659, 662, 666, 670
In New Berne market 485
In San Francisco market 618
In Savannah market 517
Pickled 79, 682
Roe 503, 510, 518
Smoked 377, 650, 651, 663, 666, 668, 670
Trade of Savannah 518
Sturgeon, catch of, in—
Delaware 411
Eastern Florida 523
Georgia 503, 515
Maryland 424
Massachusetts 118
New Jersey 382
New York 344
North Carolina 479, 495
Pennsylvania 404
South Carolina 503, 504, 505
Virginia 452, 458, 459
Sturgeon fishery in—
California 609, 615, 616, 619
Connecticut 332
Delaware 412
Georgia 502, 514
Maine 79, 80
Massachusetts 132, 736
Pennsylvania 403
Rhode Island 294
South Carolina 502, 506
Suckers 618, 639
Sugar bluff, lake Erie 664
Sugar Loaf rock, New York 350
Sullivan, Maine, fisheries of 31
Sullivan's island, South Carolina 508
Sunfish 724
Sun-trout 516
Superior City, lake Superior 635
Surf-fish 597, 605, 609
Surf-fishing 372, 418
Surinam, fish exports to 167, 693
Surry, Maine, fisheries of 28, 34, 35
Susquehanna river 403
Suwannee river, Florida 553, 554
Swampscott, Massachusetts, fisheries of 115, 182, 185, 708
Swan, J. G 629
Swansea, Massachusetts 275, 276, 277
Oyster industry of 279
Swan's island, Maine—
Fisheries of 38, 39
Lobster fishery of 39
Mackerel fishery of 39
Vessel-fisheries of 39
Sweden, exports of fish to 205, 206
Swedish fishermen 146, 640, 643
Sweep seine fishery 245
Swiss fishermen 643
Swordfish 183, 188, 193, 194, 225, 304
Fresh 119, 133, 138, 172, 255, 259, 263, 284, 314
Pickled 86, 121, 133, 139, 172, 179, 183, 188, 216, 225
Swordfish, catch of, in—
Connecticut 317
Massachusetts 118
New Hampshire 109
Swordfish fishery in—
Maine 55, 89
Massachusetts 193, 194, 271, 273
Rhode Island 299, 303
Sycamore drain rocks, Virginia 472
Syngnathus griseolineatus 612
Syosset, New York 349
Syracuse salt for fish-curing 234

T.

Tabb's river, Virginia 460
Tacoma, Washington territory 626
Tailor fishery 427, 457
Tailors, catch of, in Virginia 458, 459
Talbot county, Maryland 437
Talmage, John 361
Tampa bay, Florida—
Fisheries of 546
Mullet fishing at 547
Pound-fishing at 548
Shark and porpoise fishing at 547
Tampa bluffs, Florida 525
Tangier island, Chesapeake bay 427, 434, 442, 463
Tanner's oil 150
Tarpaulin cove, Massachusetts 261
Tarpum in Texas 585
Tar river, North Carolina 478
Taunton river, Massachusetts 115, 275, 276, 283
Oyster interests of 277
Shad and alewife fisheries of 276
Taunton River oysters 287
Tautoga onitis 390
Tautog—
Fresh 119, 138, 259, 263, 284, 314
In Connecticut 317, 324
In Massachusetts 118, 183, 196, 225, 268, 725, 731, 733, 734, 735
Tautog fishery in—
Connecticut 324
Massachusetts 102, 196, 243, 244, 247, 248, 253, 260, 262, 267, 269, 271, 272, 273
New York 347
Rhode Island 284, 294, 299, 301, 303, 304, 305, 306, 307, 308
Taxation, vessels exempt from 122
Taxes on vessels abated 704
Taylor county, Florida 553
Tenant's harbor, Maine 55
Ten Pound island, Gloucester harbor 143
Terrapin—
Abundance of 462
Bucking 503
Culture in North Carolina 482
Hunting with dogs 482
Importation of 196

Terrapin—Continued. Page.
In Boston market 193
In San Francisco market 613
In Savannah market 518
Trade 494
Terrapin, catch of, in—
Delaware 411
Eastern Florida 523, 524
Georgia 515
Maryland 424, 425, 429
New Jersey 383, 385, 393
North Carolina 479, 480, 495
South Carolina 505
Virginia 452, 453
Terrapin fishery in—
Delaware 412, 413, 415, 416, 417, 418, 419
Maryland 429
New Jersey 399
New York 347, 348, 373
North Carolina 481, 482, 485, 487, 491
South Carolina and Georgia 503
Virginia 456, 457, 462
Terry, Albert 363
Terry, J. S 506, 509
Terry, Samuel 482
Terry, W. H 368
Texas—
Fisheries of 582
Fishermen of 583
Fishing boats and seines in 583
General description of fisheries of 583
Lay of the fishermen 584
Oyster fisheries of 584
Oystermen of 583
Statistics of fisheries of 582
Thacher's *History of Plymouth* 723
Thaleichthys pacificus 626, 629
Thames river, Connecticut 316, 317
Thatcher's island, Massachusetts 141
Thaxter, Celia, on Isles of Shoals 112
Thebadau, Captain Peter 159
Thomas, Cary G 569
Thomaston, Maine, fisheries of 54, 55
Thoreau's *Cape Cod* cited 277
Thorny-backs 493
Three-Mile harbor, New York 360
Tinker's island, Maine 33
Tisbury, Massachusetts 258, 260
Tiverton Four Corners, Rhode Island 297
Tiverton, Rhode Island—
Menhaden fishery of 296
Shell-fish at 286
Toad-grunter 735
Toledo, Ohio 662
Tollman, Captain Benjamin 296
Tomales bay, California 609
Tom-cod 246, 268, 612, 615, 618, 627, 712
Tompkinsville, New York 376
Tongues—
Cod 179, 679, 694, 702, 707
Cod, exports of 167
Fish 145, 154
Pickled 121, 139, 172, 188
Too's point, Virginia 458
Topping, S. B 364
Torching— Page.
For sperling 134, 136
Herring 19
Torpedo fish 724
Toussaint, lake Erie 664
Townsend, Maine 63, 68
Trade in canned fish at Boston 197
Trammel-nets 570, 578
Transportation of oysters 466
Trapani salt 168, 169, 210, 234
Trap fish at Elizabeth islands 261
Trap-net fishery 307, 309, 352
Traps 22
Deep-water 67
Floating 164, 165
Travers, Captain Samuel M 442
Traverse City, lake Michigan 654
Treading clams 399
Treat, U. S., began canning industry in the United States 17
Treaty of Washington 153, 161
Treaty, reciprocity 153, 220
Treaty rights 686
Trefethen, C. & H 86
Tremont, Maine 33, 34
Trescott, Maine, fisheries of 20
Triacis semifasciatus 612
Trichurus lepturus 586
Trinidad, fish exports to 167
Trinity bay, squid at 161
Trolling 388
Trout—
Brook 598
Culture in New York 347
Former abundance in Maine 82
Fresh 477, 486, 645, 650, 656, 657
Fresh-water 516
Pickled 172
Preserves 369, 370
Rock 604
Salmon 196, 488
Salted 486, 564, 640, 656
Sounder 489
Sounds 489
Spotted 516
Spotted sea 453, 523, 524
Sun 516
Trout, catch of, in—
Delaware 411
New York 344
Virginia 454, 458, 459
Trout fishery in—
Alabama 570, 574
California 603
Delaware 410, 412, 413, 415
Maryland 427
North Carolina 483, 493
South Carolina 506, 511
Virginia 462, 463
Trout in—
Eastern Florida 425, 528, 529
Lake Erie 660
Lake Huron 659
Lake Michigan 639, 640, 643, 645, 646, 647, 648, 649, 650, 652, 653, 654, 655

Trout in—Continued. Page.
Lake Ontario 673
Lake Superior 635, 636, 637, 638
Massachusetts 735
San Francisco market 618
Western Florida 555
Trout-brooks 106
True, Frederick W 113, 236, 631
Trufant, A. T 79
Truro, Massachusetts, fisheries of 116, 127, 232, 724, 725
Trygon sayi 586
Tuckernuck island, Massachusetts 254
Tucker's island, Maine 34
Tuckerton, New Jersey 394, 396, 397, 399
Tufas island, Connecticut 322
Turtle 376, 539
Canned 484, 527
Catch of 411
Fishery 413, 415, 417, 418, 419, 491, 577, 613
Green 525, 526, 527, 536, 537, 576, 582, 585
Hawk-bill 525
Imports of 196
Loggerhead 485, 525
Sea 596
Turtle Crawl point, Florida 549
Turtle pond, Massachusetts 727
Tuthill & Co., George T 353
Tuthill & Sons, W. M 353
Two Rivers, lake Michigan 646
Tylosurus longirostris 586

U.

Union bay, Maine 28
Union Fishery Company 569
Union Ice Company 209, 210
Union Oyster Company 443
Union river, Maine 35
United States of Colombia, exports to 205, 206
Uraptera binoculata 612
Utsaladdy, Washington territory 628

V.

Vale & Griffin 353, 383
Ventura county, California 595, 598, 599
Venus mercenaria 725
Vermillion, lake Erie 667
Vessel-building 59, 679
Vessel fisheries of—
Bristol, Maine 60
Deer island, Maine 41
Eastport, Maine 18
Portland in 1879 83
Vessel fishermen, number of, in—
Connecticut 313
Maine 10, 21, 29, 36, 46, 53, 66, 72, 76, 93, 94, 95
Massachusetts 120, 132, 138, 178, 182, 187, 215, 224, 254, 258, 262, 275
New Hampshire 108
Rhode Island 284
Vessel fitters of Gloucester 145
Vessels in—
Food-fish fisheries 9, 10, 13, 22, 29, 37, 46, 53, 66, 73, 77, 93, 94, 95, 108, 120, 132, 138, 178, 183, 187, 215, 224, 254, 263, 284
Vessels in—Continued. Page.
Lobster fishery 10, 13, 22, 29, 37, 46, 53, 77, 120, 183, 187, 263, 284, 314
Menhaden fishery 10, 53, 66, 77, 120, 138, 159, 187, 263, 275, 284, 314, 451
Oyster fishery 10, 53, 107, 120, 178, 182, 187, 224, 314, 438, 441, 465, 466
Seal fishery 120, 263, 314
Squid fishery 120, 138, 159, 178
Whale fishery 120, 187, 224, 258, 263, 314, 593
Vessels, statistics of, in fisheries in—
Alabama 568
Bath district 73
Belfast district 46
Boston district 187
California 593, 594, 599, 602, 607, 618, 624
Castine district 37
Connecticut 314
Delaware 411
Edgartown district 258
Fall River district 275
Georgia 514
Gloucester district 138
Great lakes 633, 634, 638, 657, 659, 672
Gulf states 536
Kennebunk district 94
Louisiana 576
Machias district 22
Maine 10
Marblehead district 183
Maryland 423, 424, 441
Massachusetts 120
Nantucket district 254
New Bedford district 263
Newburyport district 132
New Hampshire 108
New Jersey 381, 385, 393
New York 343
North Carolina 478, 489
Pacific coast 592
Passamaquoddy district 13
Pennsylvania 403, 405
Plymouth district 215
Portland district 77
Rhode Island 284
Saco district 93
Salem district 178
South Carolina 504, 505
Virginia 451, 452
Waldoboro' district 53
Washington territory 625
Western Florida 536
Wiscasset district 66
York district 95
Victoria, Washington territory 626, 629
Vinal Haven, Maine 45, 50
Haddock-smoking at 86
Vines, Captain Richard, early expedition to Maine 98
Vineyard Haven, Massachusetts 260
Vineyard Sound squid fishery 159, 160
Virginia—
Alewife fishery of 451
Description of fisheries of, by counties 454
Fisheries of 449–473
Menhaden fishery of 451

Virginia—Continued. Page.
Oyster dredging and tonging in 464
Oyster interests of 464–473
Oyster laws 431
Oystermen of 464
Oystermen, number of 465
Oyster-packing in 466
Oysters 251, 291, 293
Oysters at New Haven, Connecticut 325
Oysters at Salem, Massachusetts 181
Review of the fisheries of 451
River fisheries of 451
Sea fisheries of 452
Shad fishery of 451
Statistics of fisheries of 451, 452
Virgin Rocks cod fishery 180

W.

Waccamaw river, South Carolina 502
Wages of oystermen 435, 440
Wagon fishing 585
Wakulla county, Florida 554
Waldoboro' district—
Fisheries of 52
Menhaden industry of 52
Review of fisheries of 52
Statistics of fisheries of 53
Vessel- and boat-fisheries of 52
Waldoboro', Maine—
Fisheries of 57, 59
Smelt fishery of 59
Walker, George 472
Walker's island, Rhode Island 303
Walrus oil 121
Waquoit bay, Massachusetts 253
Waquoit, Massachusetts 252
Ward's pond, Rhode Island 308
Wareham, Massachusetts 115, 249, 262, 733
Oyster industry of 264
Oysters at 202
Wareham river, Massachusetts 264
Waretown, New Jersey 387, 389
Warren, Rhode Island 283, 286, 287, 304
Warrington, D. N 418
Warwick county, Virginia 465
Warwick cove, Rhode Island 305
Warwick neck, Rhode Island 305
Warwick, Rhode Island 286
Wash Bowl, Rhode Island 297, 298
Washington, District of Columbia 468
Washington, market for fresh fish 197
Washington territory—
Coast fisheries of 626
Fisheries of 625
Statistics of fisheries of 625
Watch Hill, Connecticut 360
Watch Hill, Rhode Island 309
Waterhouse, Charles 528
Water mills, New York 362
Waukegan, lake Michigan 648
Weakfish 358, 362, 389, 395
Fishery 309, 347, 354, 370, 374, 394, 412, 425
Sounds for isinglass 142
Webb, Henry 164
Webb, William 40
Weeweantit river, Massachusetts 251, 265
Weir fishery 15, 234, 238, 239, 240, 241, 242, 243, 246, 247, 252, 260, 267, 268, 352
Weir, for bass 709
Weirs—
Alewife 76, 111, 213, 709
Alewife and smelt 61, 67
At Wellfleet 234
Brush 19, 21, 23, 24, 26, 28, 33, 34, 38
Fish 102, 164
Herring 20, 25, 27, 33, 38, 50, 716
Salmon 76
Salmon and alewife 48
Weirs in—
Connecticut 314
Maine 10, 13, 22, 29, 37, 46, 53, 95
Massachusetts 138, 178, 224, 254, 258, 263, 685, 710, 736
New Hampshire 108
Rhode Island 284
Welaka, Florida, fisheries of 530
Welchmen 484, 485
Wellfleet, Massachusetts—
Alewife fishery of 234, 235
Blackfish fishery at 235, 727
Clam fishery at 234
Early history of 726
Fisheries of 116, 127, 232, 234, 726, 727
Mackerel fishery of 116, 234
Oyster industry of 199, 234, 236, 727, 728
Weir-fishery at 234
Whale fishery of 235, 727
Well smacks 168
Wells & Co., Henry E 353
Wells & Sons, D. D 357
Wells bay, Maine 99, 100
Wells Beach, Maine, fishing station 100
Wells, Henry E 357
Wells, Maine, fisheries of 100, 101
Wepawaug river, Connecticut 334
Weskeag river, Maine 55
West Brewster, Massachusetts 239
Westbrook, Connecticut, shad fishery of 320
Westbrook, Maine 79
West Chatham, Massachusetts 240
West Dennis, Massachusetts 244
West de Père, lake Michigan 644
Westerly, Rhode Island 286
Western Bank cod fishery 32, 43, 58, 60, 68, 69, 108, 109, 117, 145, 146, 155, 273, 729
Western Bank fishery 171, 172
West Falmouth, Massachusetts 252
West Florida, statistics of fisheries of 536
West Gloucester, Massachusetts 143
West Gouldsboro', Maine 30
Westhampton, New York 364
West Harwich, Massachusetts 241
West Indies—
Fish exports to 129, 130, 135, 167, 205, 206, 207, 217, 218, 682, 701, 706
Trade with 124
Westmoreland county, Virginia 465

Page.
West Pembroke, Maine 18
Westport, Connecticut, oyster business of 336
Westport, Maine 65, 71
Westport, Massachusetts 115, 262, 267, 273
Westport point, Massachusetts 273
Westport river, Massachusetts 272
West river, Connecticut 330
Weymouth, Massachusetts—
Cod fishery of 127
Fish-fertilizer factory at 213
Isinglass factory at 213
Whalebone—
At Fairhaven, Massachusetts 269, 270
At Nantucket, in 1715 257
Bounty on, in Rhode Island 283
In Georgia 518
Manufacture of 119
Production of, at New Bedford, 1840 to 1875. 272
Production of, in Connecticut 314, 315, 316
Production of, in Massachusetts in 1840 ... 130, 226, 259, 264
Production of, in Massachusetts in 1879 121
Production of, in 1854 116
Production of, on Pacific coast 592, 593, 594
Whale fishery—
Capital invested in 119
Encouraged by bounty 284, 737
Whale fishery at—
Cushing point, Maine 82
Duxbury, Massachusetts 717
Edgartown, Massachusetts 258, 259, 733
Gloucester, Massachusetts 139
Ipswich, Massachusetts 685
Lynn, Massachusetts 710
Marblehead, Massachusetts 705
Martha's Vineyard in 1775 732
Monhegan, Maine 62
Plymouth, Massachusetts 724
Prospect harbor, Maine 30
Provincetown, Massachusetts 227, 229
Quincy Point, Massachusetts 713
Salem, Massachusetts 696, 699
Sandwich, Massachusetts 249, 730
Stonington, Connecticut 315
Truro, Massachusetts 724
Wellfleet, Massachusetts 235, 726, 727
Whale fishery in—
Connecticut 313, 315, 316
Georgia 514, 518
New Bedford district 262, 263, 265, 267, 269, 271, 273, 276, 735
New York 357
North Carolina 487, 490
Pacific coast 591, 593, 596, 597, 600, 601, 604, 621
Rhode Island 283, 736
Whale fishery, statistics of—
In 1846 115
In 1854 116
Products of 115, 116, 120, 188, 226, 257, 259, 263
Vessels in 115, 118, 120, 187, 223, 224, 258, 263, 314
Whale oil on Pacific coast 592, 593, 594, 602, 607
Whale oil, production of, in—
Connecticut 314, 315, 316
Georgia 518
Whale oil, production of, in—Continued. Page.
Massachusetts 116, 121, 130, 139, 151, 226, 230, 257, 259, 264, 269, 270, 272, 699
Whaling fleet of—
Connecticut, statistics of 314
New Bedford 272, 276
United States in 1846 115
Whaling fleet, statistics of, in 1880 115
Whaling grounds 115
Of the Pacific 593
Whaling vessels, statistics of 115, 118, 120, 187, 223, 224, 258, 263, 314
Wharves at Gloucester, Massachusetts 144
Wheeler's Point, Massachusetts 143
Wheelwright, John, deed of Isles of Shoals to 111
Wherries, fishing 109
Whitefish—
At Marion, Massachusetts 734
Fresh 193, 376, 645, 650, 656, 657
Salt 638, 640, 644, 656
Smoked 649, 650
Whitefish, catch of, in—
Lake fisheries of New York 344
Pennsylvania 404
Whitefish in—
Connecticut 320
Lake Erie 660, 661, 662, 663, 664, 665, 666, 667, 671
Lake Huron 658, 659
Lake Michigan 639, 640, 641, 642, 643, 645, 646, 647, 648, 649, 652, 653, 654, 655
Lake Superior 635, 636, 637, 638
San Diego county, California 595
Whitefish bay, lake Michigan 646
Whitefish point, lake Superior 637
Whitehall, lake Michigan 652, 659
White island, Isles of Shoals 111
White island, Piscataqua river 109
White Island pond, Massachusetts 221
White perch 221, 284, 351, 360, 364, 547
White rockfish 659
White shad 517
Whitestone, New York 346
Whiting 502, 504, 508, 511, 529, 586, 735
Whiting, Maine, fisheries of 20
Whitman, Levi, *History of Wellfleet* 235
Wickford harbor, Rhode Island 289
Wickford, Rhode Island 306
Wicks, James 370
Wilcox, W. A 92, 96, 97, 99, 100, 103, 105, 113, 281, 311
Willard, E. G 86, 90
Willard's bay, Connecticut 319
Williamson, W. D., *History of Maine* 60, 63
Williamsville, Delaware 409, 418
Willoughby, lake Erie 670
Willoughby point, Virginia 453, 454
Wilmington, California 597
Wilmington, North Carolina 477, 492
Fish markets of 493
Line-fishery of 493
Salt-fish trade of 494
Statistics of fisheries of 494
Trade in fresh fish at 493
Vessel-fishery of 493
Wilson, lake Ontario 672, 673
Windmill point 659

Page.
Window-pane 361
Wing's cove, Massachusetts 265
Winipiseogee river 131
Winslow, Francis 433
Winsor's *History of Duxbury* 717
Winter cod fishery 388
Winter haddock fishery 78, 145, 158, 170
Winter harbor, Maine 30, 31
Winthrop, Massachusetts, oyster-beds at 201
Winyah bay, South Carolina 504, 506
Wiscasset district—
Fisheries of 65
Ship-building at 65
Statistics of fisheries of 66
Wiscasset, Maine, fisheries of 70
Witchcraft at Salem, Massachusetts 123
Wonder-Working Providence cited 122
Wonson, Captain J. F 157
Wood island, Maine, herring fishery at 31, 39, 58, 92, 97, 99
Wood island, New Hampshire 109
Woodsburg, New York 373
Wood's Holl, Massachusetts 252, 253, 732
Woolwich, Maine 71, 73, 75
Wright, Charles R 656
Wrightsville sound, North Carolina 494

Page.
Wyatt, James 413
Wyer Brothers 87

Y.

Yaphank, New York 367
Yarmouth, Maine 79
Yarmouth, Massachusetts—
Fisheries of 116, 127, 244, 245, 730
Salt-works at 730
Yates, Captain Washington 396
Yellow Bluffs, Florida 528
Yellow-fin 586
Yellow-finned trout 502
Yellow perch 193, 284, 360
Yellow-tails 525, 529, 595, 600
York county, Virginia 457, 465
York district, Maine, fisheries of 92, 95
York, Maine, fisheries of 101, 102
York river, Maine, clam-digging in 102
York river, Virginia 457, 458, 471
York spit, Virginia 458
York, T. J 64
Young's *Chronicles of the Pilgrim Fathers* 719

Z.

Zaniolepis latipinnis 612