



FOR THE PEOPLE  
FOR EDUCATION  
FOR SCIENCE

LIBRARY  
OF  
THE AMERICAN MUSEUM  
OF  
NATURAL HISTORY









AN

I N D E X

TO

BIRD-LORE

Volumes I to XV, inclusive

Containing a Reference to Every Contributor,  
Article and Topic; an Analytic Index to the  
Colored Plates and other Illustrations; and  
an Index to Books and Periodicals Reviewed.

---

COMPILED BY

ERNEST INGERSOLL

---

FOR SALE BY THE

National Association of Audubon Societies

1974 BROADWAY, NEW YORK CITY

Price 50 Cents



59.22.106.3

23

AN

## INDEX

TO

# BIRD-LORE

Volumes I to XV, inclusive

Containing a Reference to Every Contributor,  
Article and Topic; an Analytic Index to the  
Colored Plates and other Illustrations; and  
an Index to Books and Periodicals Reviewed.

---

COMPILED BY

ERNEST INGERSOLL

---

New York

1916

## HISTORICAL NOTE

BIRD-LORE began publication on January 1, 1899, as "An Illustrated Bi-Monthly Magazine Devoted to the Study and Protection of Birds."

The title-pages of the first five volumes show that it was edited by Frank M. Chapman (its originator), assisted, as to the Audubon Department, by Mabel Osgood Wright. On the title-pages of Volumes VI to XII Mrs. Wright's name is accompanied by that of William Dutcher as co-editor. The title-page of Volume XIII reads: "Edited by Frank M. Chapman. Contributing Editor, Mabel Osgood Wright. Audubon Department edited by Alice Hall Walter and William Dutcher." In Volumes XIV and XV the name of T. Gilbert Pearson appears in place of that of William Dutcher.

From the beginning to the end of Volume XII the magazine bore the imprint of the MacMillan Company of New York; since that time (1911) it has been published by D. Appleton & Company of New York. It has always been printed, however, at the Mount Pleasant Press in Harrisburg, Pennsylvania.

The magazine has continued from the first to be published only six times a year, and the price (one dollar a year, fifteen cents a number) has remained the same, although the size of the volumes has been increased from 206 pages in Volume I to 498 pages in Volume XV. Its publication and popularity still continue and are likely to do so for many years to come.

THE EDITOR.

New York,  
July 1, 1916.

# GENERAL INDEX

To Writers, to Articles (by quoted title), and to Topics. Consult also the  
Index to Publications Reviewed (page 41).

## —A—

- Abbott, Clinton G. 'Notes on the Golden-winged Warbler.' Volume IV, page 90; 'European Birds in America,' V, 163; 'A Cowbird's Nursery,' XI, 149.
- Abbott, Gerard A. 'A Grebe Colony.' IV, 86; 'Between the Tracks,' XII, 105.
- 'A B C of Bird-Lore, The,' (poem). III, 70.
- 'A Bird's Christmas Tree.' VI, 215.
- 'A Connecticut Game Preserve.' III, 115.
- Achilles, Laurence. 'Nesting of the Three-toed Woodpecker.' VIII, 158.
- 'A Crow Study.' XI, 114.
- 'A Day with the Birds on a Guiana Savanna.' XI, 235.
- 'Adirondack Lunch-Counter, An.' III, 18.
- Adney, Tappan. 'Bird-Life in the Klondike.' III, 196.
- 'Advertisement' (poem). VII, 1.
- 'After Legal Protection, What?' IV, 71.
- Agate, Anna A. 'A Chipping Sparrow Family.' XIII, 253.
- Agreement between the millinery trade and the Audubon Society. V, 104, 140; VIII, renewed 37.
- 'A Gentle Criticism.' IX, 73.
- 'A Horned Owl Record.' XI, 265.
- Aigrettes. II, not picked up 31, 51; Venezuelan 50, verse 166; VIII, legal decision on 72; XIII, seized 330; XIV, how obtained 65, in Venezuela 68, artificial 76.
- Alaska, birds of. XIV, 399, 419.
- 'Alaska Longspur, The.' XV, 202.
- Albatross, black-footed. X, 260.
- Alberta, birds of. IX, 118.
- Aldrich, Frank W. 'The Starling in Illinois.' XIV, 113; 'An Unusual Nesting-site,' XIV, 351.
- 'Alien License Law.' X, 97.
- 'A Little Blue Heron Rookery.' X, 163.
- Allen, A. A. 'Phœbe vs. Catbird.' XIV, 269; 'Duck Hawks of Taughannock Gorge,' XV, 108; 'An Opportunity Interrupted,' XV, 296.
- Allen, Francis H. 'The Nuttall Club,' IV, 12; 'A Swimming Crow,' V, 63; 'A Raven's Nest,' X, 195; 'An Inexpensive Birds' Bath,' XIII, 208; 'Eleventh Christmas Census,' XIII, 296; 'Nuthatches,' XIV, 316
- Allen, Joel Asaph. 'The American Ornithologists' Union.' I, 143.
- Allen, Mary P. 'Hummingbird Eccentricities.' X, 198.
- Allen, Walter F. 'The Starling in New Jersey.' XIV, 112.
- American Game Protective and Propagation Association organized. XIV, 76.
- American Museum of Natural History. Loan Collections. VI, 201, 209.
- American Ornithologists' Union. II, Annual Meeting, 1899, 198; II, relation to Audubon movement 161, 18th Congress 196, 198; III, 19th Congress 210; IV, 20th Congress 199, 203; checklist of 135; V, trip to California 99, California meeting 100; 21st Congress 199; VII, committee on bird-protection 49, 58, 23rd Congress 282; VIII, 24th Congress 212; X, 25th Congress 17; 26th Congress 265; XI, 27th Congress 271; XII, 27th Congress 41; 28th Congress 247; XIII, 29th Congress 307; XIV, 30th Congress 355; XV, 31st Congress 315, 376.
- 'American Ornithologists' Union.' I, 143.
- 'An Acre of Birds.' XII, 230.
- 'An Aërial Gymnast.' XI, 252.
- 'An Eighteen Year Retrospect.' XIV, 141.
- 'An Albino Robin Tragedy.' XII, 7.
- 'A Mocking-Bird's June.' X, 201.
- Andrews, Roy C. 'Sea Birds and Whalers.' X, 260.
- 'An Experience in Tree-Top Photography.' VIII, 1.
- Anhima, spurs of. IV, 183.
- 'An Island Eden.' V, 175.
- 'A Nighthawk Incident.' III, 126.
- Antes, Frank I. 'A Nuthatch's Nest.' V, 196.
- A. O. U. See AM. ORNITHOLOGISTS' UNION.

## General Index

- 'April.' IX, 89  
 'April.' XII, 84.  
 'April Snowstorm, An.' XIII, 76.  
 Apteryx. V, 118.  
 'A Question of the Day.' (subspecies) III, 38.  
 Arnold, Clarence M. 'A Brown Creeper's Mistake.' X, 81.  
 'Are the Birds Growing Less Abundant?' XI, 263.  
 'A Record of the Outcome of Seventy-five Birds' Nests.' XIII, 183.  
 Arkansas, birds of. XIII, 295.  
 Arnold, W. W. 'Western House Wren's Nest.' VIII, 172; 'Sparrows in Orioles' Nests.' XI, 174.  
 'Artificial Swallow's Nest, An.' XIII, 82.  
 'A Season's Field Work.' IX, 256.  
 Audubon, John James. I, seal of 172; II, letters to Baird 29, in Louisiana 159; III, 9, letter by Audubon to his sons 14; V, appreciation of 140; VIII, Inman portrait of 35; XI, 262.  
 'Audubon, John James.' IX, 1.  
 Audubon Conferences. II, 164, 202; III, 218; IV, 207.  
 'Audubon Club in the Bahamas, The.' IX, 184.  
 Audubon hat. XV, 400.  
 Audubonites, consistency in. I, 170.  
 Audubon Magazine, origin of. VII, 52.  
 Audubon Junior Work. XII, beginning 268; XIII, 226; XIV, 196, in Alaska 254, 256, 265, 389; XV, 278, 284, 338.  
 Audubon Movement, History of. VII, 45, 56; XIV, 79.  
 Audubon Societies. I, suggestions for conducting 64; II, fees and pledges discussed 63, 94, 95, relations with A. O. U. 161, aims criticised 161; VII, attitude toward ostrich plumes 154; XIV, efficiency of 302, 363. See also NATIONAL COMMITTEE; NATIONAL ASSOCIATION.
- Reports of State Societies by States**
- Alabama. VII, 74, 310; IX, 328; XI, 305; XII, 282; XIII, 178.  
 Arizona. X, 296; XI, 307; XII, 130, 283; XV, 441.  
 Arkansas. VII, 74.  
 California. VI, 214; VII, 75, 311; VIII, 249; IX, 328; X, 296; XI, 307; XII, 284; XIII, 363; XIV, 427; XV, 441.  
 Colorado. VII, 76; XV, 442.  
 Connecticut. I, 30, 139; II, 165; III, 181; XI, 308; XII, 284; XIII, 364; V, 40; VII, 77, 312; VIII, 77, 251; IX, 330; X, 296; XV, 443.  
 Delaware. II, 95; III, 149; VII, 77, 312; VIII, 253; X, 298; XI, 309.  
 Dist. of Columbia. I, 32, 173; II, 203; IV, 74; V, 206; VI, 212; VII, 77, 313; VIII, 253; IX, 330; X, 298; XI, 309; XII, 286; XIII, 305; XIV, 233, 428; XV, 445.  
 Florida. II, 96; III, 183, 220; IV, 171; VII, 78, 314; VIII, 254; IX, 332; X, 299; XI, 309; XII, 287; XIII, 365; XIV, 257, 429; XV, 446.  
 Georgia. VII, 81, 317.  
 Hawaii. VII, 81.  
 Illinois. I, 66; II, 65; IV, 136; V, 172; VI, 176; VII, 82, 317; VIII, 255; IX, 335; X, 300; XI, 311; XII, 288; XIII, 367; XIV, 430; XV, 448.  
 Indiana. I, 66; VII, 83; VIII, 78, 256; IX, 336; X, 301; XI, 312; XII, 290; XIII, 368; XIV, 259, 431; XV, 451.  
 Iowa. I, 66; VII, 84, 317; VIII, 257; IX, 337; X, 302; XI, 313; XIII, 369; XV, 453.  
 Kansas. X, 226, 303; XII, 292; XIII, 370.  
 Kentucky. II, 97; III, 147; VII, 85; XIII, 178, 371; XV, 454.  
 Louisiana. IV, 172; V, 74; VII, 86, 320; VIII, 258; IX, 339; X, 304; XI, 314.  
 Maine. VII, 90, 322; VIII, 259; IX, 340; X, 305; XI, 314; XIII, 372; XIV, 432; XV, 454.  
 Maryland. IX, 341; X, 305; XI, 316; XII, 292; XIII, 372; XIV, 432; XV, 454.  
 Massachusetts. I, 29, 138; III, 71, 219; VII, 88, 327; VIII, 260; IX, 341; X, 305; XI, 315; XII, 293; XIII, 372; XIV, 433; XV, 454.  
 Michigan. VII, 94, 329; VIII, 261; IX, 342; X, 306; XI, 316; XII, 294; XIII, 373; XIV, 434; XV, 455.  
 Minnesota. I, 66; II, 97; IV, 137; VII, 95, 330; VIII, 262; IX, 343; XI, 317; XII, 295; XIII, 375; XIV, 435; XV, 457.  
 Mississippi. VII, 95; X, 53, 306; XI, 318.  
 Missouri. IV, 138; VII, 96, 330; VIII, 263; IX, 344; XI, 50; XII, 48.  
 Nebraska. VII, 96, 331; VIII, 263; IX, 344; X, 308; XI, 318; XII, 295; XV, 458.  
 New Hampshire. I, 102; VII, 97, 331; VIII, 203; IX, 344; X, 308; XI, 318.  
 New Jersey. I, 32; VII, 98, 331; VIII, 264; IX, 345; X, 309; XI, 320; XII, 295; XIII, 66, 178, 375; XIV, 435; XV, 458.

## General Index

- New York. I, 30; III, 41, 82; IV, 206; VII, 99, 330; VIII, 265; IX, 347; X, 310; XI, 319; XII, 49, 296; XIII, 377; XIV, 438; XV, 461.
- North Carolina. IV, 74; V, 39, 174; VII, 100, 334; IX, 348; X, 311; XI, 323; XII, 297; XIII, 378; XV, 76, 461.
- North Dakota. VII, 101, 335; VIII, 267; IX, 350; X, 311; XII, 48; XIV, 439; XV, 463.
- Ohio. I, 32; II, 130; VII, 102, 335; VIII, 267; IX, 350; X, 312; XI, 325; XII, 298; XIII, 378; XIV, 440; XV, 464.
- Oklahoma. VII, 102; VIII, 268; IX, 351; X, 312; XI, 328; XII, 299; XIII, 379.
- Oregon. VII, 103, 335; VIII, 268; IX, Pennsylvania. I, 65, 204; III, 42; IV, 39; V, 72; VII, 108, 342; VIII, 270; IX, 353; X, 314; XI, 329; XII, 300; XIII, 380; XIV, 442; XV, 465.
- Rhode Island. I, 30, 204; II, 130, 165; V, 139; VII, 108, 342; VIII, 272; IX, 354; X, 315; XI, 329; XII, 301; XIII, 380; XIV, 443.
- South Carolina. II, 65; VII, 109, 343; IX, 355; XI, 48, 331; XII, 302; XIII, 381.
- South Dakota. IX, 356; XII, 48.
- Tennessee. I, 139; XII, 303; XIII, 382, 383; XIV, 443, 444; XV, 76.
- Texas. VII, III, 343; VIII, 78, 272; IX, 358; X, 315; XI, 333; XII, 304; XIV, 445.
- Vermont. V, 39; VII, 113, 343; VIII, 275; IX, 359; X, 317; XI, 334; XIII, 66.
- Virginia. VII, 113, 344; XI, 334; XII, 305; XIII, 384; XIV, 447.
- Washington. IX, 359; X, 317; XI, 335; XII, 307.
- West Virginia. XII, 385; XIV, 448; XV, 470.
- Wisconsin. I, 101, 204; II, 130; III, 149; IV, 139; VII, 115, 344; VIII, 275; IX, 360; X, 318; XI, 335; XII, 305; XIII, 385; XIV, 449; XV, 471.
- Wyoming. III, 148; VII, 115.
- Audubon Society's agreement with milliners. V, 104.
- Audubon Society, responsibility of the. I, 136.
- 'August and the Flocking Time.' IX, 177.
- Auk, little. XI, inland 174.  
—razor-billed. X, 243; XV, 13.  
—great, in Florida. IV, 97.
- Auklet, crested. XV, habits 133.
- 'A Vanished Race.' XV, 77.
- 'Aviary, A Southern California.' IX, 147.

### —B—

- Babcock, C. A. Bird-day programs. I, 49.
- Babcock, Donald. 'The Red-winged Blackbird' (poem). XI, 76.
- 'Back to First Principles.' IV, 168.
- Bahamas, bird-protection in. X, 192.
- Bailey, Florence A. Merriam. 'Our Doorstep Sparrow,' I, 20; Clark's Crows and Oregon Jays on Mount Hood,' I, 46, 71; 'How to conduct Field-classes,' II, 83; 'A Sierra Night-hawk's Family.' V, 43; 'The Red-headed Woodpecker,' XII, 86; 'With Asio in the Greenwood,' XV, 285; 'The Tufted Titmouse,' XV, 394.
- Bailey, Guy A. 'The Chimney Swift.' VII, 130.
- Bailey, Vernon. 'Where the Grebe-skins come from.' II, 34.
- Bailey, William L. 'Three Cobb's Island Pictures.' I, 81; 'The King-fisher's Home-life,' II, 76; 'The Brown Creeper's Force of Habit,' III, 73.
- Baird Ornithological Club. III, 110; IV, 40.
- 'Balancing Robins.' VI, 204.
- Baldwin, Lucy G. 'Mockingbird Notes.' III, 192.
- 'Balloon Bird, A.' XIII, 204.
- Barlow, Chester V. IV, death of 199; V, 34.
- 'Barn Owl, The.' VII, 186.
- 'Barn Owls, A Family of.' V, 47.
- 'Barn Owls Nesting in New York City.' XII, 225.
- 'Barn Swallow, The.' X, 138.
- Barrows, Martha W. 'Our Duty to our Bird Tenants.' XI, 191.
- Barton Benjamin S. VII, 193.
- Barton, Ethel R. 'A Bird Walk in December.' IX, 46.
- Bartram, William. VII, 162.
- Bascom, Elva L. 'A Bird's Christmas Tree.' VI, 215.
- Bath for birds. See BIRD-BATH.
- Bayne Bill. The. XIII, 225.
- Baynes, E. H. 'Our Avian Creditors.' VII, 223.
- Beall, Laura F. 'A Southern Illinois Lunch-counter.' X, 255.
- Beckwith, Raymond B. 'Our Friend, the House Wren.' XV, 244.
- Beebe C., William. 'Two Nova Scotia Photographs,' I, 113; 'Enterprising Eagles,' III, 34; 'A Bird of the Season,' 190; 'Psychology of Birds,' V,

## General Index

- Beebe, C., William—*Continued.*  
 127; ‘Legs and Feet of Birds,’ VIII, 51; ‘A Day with the Birds on a Guiana Savanna,’ XI, 235.
- Beebe, R. H. ‘A Goldfinch Study,’ VII, 189.
- Bell, W. B. ‘Methods of Work in North Dakota,’ XV, 119.
- Bell-bird. V, 114.
- Belmont Club. X, 54.
- Benedict, H. M. ‘The Mary M. Emery Bird Reserve,’ XII, 160.
- Bennett, Walter W. ‘Bell’s Vireo,’ XIII, 205.
- Bennett, F. M. ‘The English Sparrow is an Evictor,’ VII, 176; ‘Stray Birds at Sea,’ VIII, 89; ‘A Winter Bird Report,’ X, 260; ‘A Tragedy of Migration,’ XI, 110.
- Bent, A. Cleveland. ‘A North Dakota Slough,’ V, 146; ‘The Sea Birds’ Fortress,’ X, 237; ‘A Bird Photographer’s Outfit,’ XI, 101; XII, report on Breton Island, 280; ‘Notes from Labrador,’ XV, 11; ‘Hudsonian Curlew,’ XV, 59.
- Bergtold, W. H. ‘The House Finch from our Office Window,’ IX, 61.
- Betts, N. DeWitt. ‘Water-Birds in Forest Park,’ XII, 63.
- ‘Between the Tracks,’ XII, 105.
- Bildersee, Isaac. ‘Nesting of the Lawrence’s Warbler,’ VI, 131; ‘The European Skylark near New York City,’ VI, 204.
- Biological Survey. IX, criticism of 98; XIII, report of 45.
- ‘Bird Apartment-House, A.’ XV, 155.
- Bird-banding Association. XII, 121.
- Bird-bath. III Chapman’s 74; IV, 94; IX, clay 69; XIII, 208.
- ‘Bird Battles.’ XI, 263.
- Bird-box. I, Sparrow-proof 60; VI, advantage of having 66; VII, protected against cats 178; IX, clay 69, moving discussed 270; X, making in schools 135; XI, building 223; XII, design for 77, 175.
- ‘Bird-box Experiences,’ XII, 210.
- ‘Bird-boxes, A Plea for,’ VI, 66.
- ‘Bird-census, A June,’ III, 106, 171, 172.
- ‘Bird Cities of Refuge,’ XII, 159.
- ‘Bird-class for Children, A.’ I, 100.
- ‘Bird Clubs in America,’ Nuttall, IV, 12; Delaware Valley, IV, 57; Maine Ornith. Society, IX, 65.
- ‘Bird Course, the, at Wood’s Hole,’ II, 153.
- ‘Bird Cradles.’ XV, 253.
- Bird Day. I, programs 49, 52; XIII, suggestions 104, 105; programs 108; XV, 122.
- ‘Bird Day in the Home,’ XIV, 119.
- ‘Bird-Famine Relief Work,’ XIV, 133.
- ‘Bird Friend, A.’ X, 14.
- Bird-groups in Museums. V, 136; IX, 168.
- ‘Bird-house Tenants,’ XV, 112.
- Bird-life in December and January. II, near Boston 182, near New York 183, near Philadelphia 184, at Oberlin, Ohio, 186; near Chicago 187, near San Francisco 188.
- in February and March (as above). III, 22-26.
- in April and May. III, 59-67.
- in June and July. III, 98-104.
- in August and September. III, 133.
- in Oct. and Nov. III, 163-168.
- ‘Bird-Life of Cobb’s Island,’ V, 109.
- ‘Bird-Life on the Everglades,’ XIII, 288.
- ‘Bird-Life in the Klondike,’ III, 196.
- ‘Bird-Life of a Swiss City,’ VI, 191.
- Bird-Lore; Advisory Council of. I (1899), 192; II (1900), 12; III (1901), 20; IV (1902), 18, 192; V (1903), 21; VI (1904), 19; VII (1905), 133; VIII (1906), 28; IX (1907), 38; X (1908), 18; XI (1909), 83; XII (1910), 74; XIII (1911), 90; XIV (1912), 107; XV (1913), 110.
- appreciation of. II, 30.
- character of contents. V, 68.
- Bird-nesting. II, in winter 194; III, discussed 88. See OOLOGY.
- ‘Bird-Nesting with Burroughs,’ III, 88.
- ‘Bird-Notes for April and May,’ IV, 130.
- ‘Bird of the Season, A,’ III, 190.
- Bird Park, Emery. XII, 129.
- ‘Bird-Photographer’s Outfit, A.’ XI, 101.
- ‘Bird-Pictures, A New Device,’ III, 194.
- Bird-preserve, Pomfret, Conn. XII, 214.
- Bird-protection, A. O. U. Committee on. VIII, 49, 52, 58.
- history of. XI, 182.
- in Australia. V, 105; XIII, 330.
- in Belgium. IV, 140.
- in China. XI, 53.
- in France. IV, 171.
- in Germany. XIV, 322.
- in Great Britain. VI, 99; XII, 172; XIV, 320; XV, 333.
- in Hawaii. XII, 90.
- in India. V, 37.
- in Italy. VIII, 106; IX, 156, 193, 223.
- in Japan. VI, 139; XI, 54; XII, 90.
- in Mexico. VIII, 75.

## General Index

- Bird-protection, A. O. U. Committee on  
 —*Continued.*  
 —in New Zealand. V, 173.  
 —international. IV, 171; XII, 167-173; 216.  
 —legislation for. II, Hallock bill 31, 62; III, 78, 113, 180; V, 73; VI, 107; VII, 150, 216; VIII, 229; IX, 53, 185; X, 147, 151, 183; XI, 55, 98, 141, 234; XII, 48, 128, 265, 273; XIII, 119; Levy bill 171, 174, 224, 227, 273, 334; XIV, 190, 197, 320; XV, 68, 74, 76, 138, 206, 208, 212, 273-278, 282, 331, 406, 407.
- 'Bird-Protection and Public Sentiment.' VI, 76.
- Bird-reservations. See RESERVATION.
- Bird Rock. X, 237.
- Bird-Study. I, aids to 17, 18, 125; II, at Oberlin 14, 19, at Wellesley 52, in field-classes 83, outline for a year 181, in winter 190; IV, 38, questions for 192; V, 20; VI, methods 181; VII, 141; in schools 215, local observations 286; IX, 91; X, with a blind 250; XI, a course in 128; XIII, outline for teachers 50; XV, 187. See also QUESTIONS FOR BIRD-STUDENTS.
- 'Bird, The, That Nests in the Snow.' X, 7.
- 'Bird, The, to the Bird-Lover.' VII, 207.
- Bird-surgery. IX, 268.
- 'Bird Tragedies.' VIII, 208.
- 'Bird-Walk, A, in December.' IX, 46.
- 'Bird Work at Wellesley College.' II, 52.
- Birds, accidents to. IV, killed by hail 143, by lightning 162; V, 57, 164; VIII, 208; XI, stormbound 29, at light-houses 110; XIV, poisoned 199.  
 —altricial and precocial. V, 91, 92.  
 —American, distribution of. XIV, 303-306, 364-368.
- Birds and caterpillars. I, 166.
- 'Birds and Farmers.' VI, 72.
- 'Birds and the Recent Snow-Storm.' XIV, 131.
- 'Birds and Seasons.' II, 182; III, 22, 59, 98, 133, 163.
- 'Birds and Seasons in My Garden.' XIII, I, 67, 128, 179, 229, 279.
- Birds, as affected by cold. VII, 178.  
 —attracting and colonizing. IV, 71; V, 25, 30; VI, 211; XII, 211.  
 —battles between. XI, 273.  
 —charmed by snakes? VIII, 137.  
 —condition of young at birth significant. V, 92.
- Birds, books about. See page 41.
- Birds, classification of. XIV, 177.  
 —common names of. IX, 265.
- 'Birds' Christmas-tree, The.' I, 195.
- Birds digging for food through snow. III, 74.  
 —economic relations; books noticed. I, 134.
- emotional traits of. V, 128.
- enemies of. VIII, 210, 218.
- feeding of in winter. See under WINTER.
- growth of. VII, 263.
- identification of. IV, editorial 166; XI, 37, 91.
- importance of lectures on. V, 71.
- in Autumn. XV, 318.
- introduction of foreign. XV, 154.
- jealousy in. VIII, 175.
- legal status of. I, 203.
- legs and feet of. VIII, 51.
- mating habits of. V, 56.
- molting of explained. V, 156.
- numbers of. III, increase in California 183, in Maine 184, relative numbers in 1912; XIV, 347. See CHRISTMAS CENSUS.
- nesting of, how taught. XV, 253.
- of Allegheny, Pa. IX, 155.
- near Atlantic, Iowa. XV, 305.
- of Central Park. XI, 130.
- of Chicago. XIII, 252.
- European. V, in Central Park 163; VI, 191.
- 'Birds in the Florida Keys.' XII, 189.
- 'Birds' Map of America.' XV, 53.
- 'Birds of February and March, 1902.' VI, 64.
- Birds of Gardiner's Island. V, 176.  
 —of Guiana. XI, 235-240.  
 —of Hawaii. III, 119, 153.  
 —of Italy. VIII, 196.
- 'Birds of Little Elk Canyon.' XIV, 168.
- Birds of the Magdalens. VIII, 43.  
 —of Maine Coast. XV, 213.
- 'Birds of a Marsh, The.' III, 129.
- Birds of Massachusetts. See under MASSACHUSETTS.  
 —of Milwaukee. XIII, 252.  
 —in New England in early days. V, 173.  
 —in North Dakota. V, 146.  
 —orientation in. II, 101, 141.  
 —of a Paris park. XII, 198.
- 'Birds at Peekskill.' XI, 215.
- Birds of Prospect Park. XI, 7.
- 'Birds of the Red River (Arkansas) Sand-Bars.' XIII, 293.

## General Index

- Birds of St. Louis. XII, 64.  
—at Scarboro, N. Y. VI, 97.
- 'Birds in Southern Arizona.' XII, 186.
- Birds, play among. V, 129.  
—psychology of. V, 127.
- recognition-marks of. III, 187.
- sleep of. VI, 115.
- songs of. I, 96.
- 'Birds, The, that Pass in the Night.' II, 113.
- Birds, tongues of. II, 5.  
—trustfulness of. X, 80.
- value of in winter. XIV, 348.
- variability of habit in. V, 58.
- watering young. XII, 152.
- weapons of. IV, 182.
- Bittern, American. I, 123; II, 173; IV, 46; VII, nesting 105; X, 106, 110.  
'Bittern, The American, at Home.' VII, 165.
- 'Bittern, A, at Close Range.' III, 173.
- Bittern, least. I, 39; IV, 52.
- 'Bittern Study, A.' X, 106.
- 'Black-and-White Creeper Family, A.' VII, 170.
- 'Blackbilled Cuckoo, The, at Home.' XII, 131.
- Blackbird, redwinged. IX, habits 93; XI, 176; XII, changes in habits 66.  
—yellow-headed. V, 147; XIV, 250.
- Blackcap. SEE WARBLER WILSON'S.
- 'Black-headed Grosbeak, The.' XII, 163.
- Blake, Winifred B. 'The Woodcock's Wooing' (poem). VII, 132.
- Bluebird, eastern. I, 43, song 150; IV, 67, 190; VI, domesticating 41; VII, nesting in box 174, 176, 210; VIII, photographing a 92; scarce in Missouri 171; IX, family life 12, 49; XI, family life 63-70, 86; XIV, family life 9, scarcity 163, 230, 293, 296; XV, decreasing in England 177.  
—mountain. IX, 205.
- 'Bluebird, The.' IX, 48.
- 'Bluebird Study, A.' XIV, 91.
- 'Bluebird Tenants.' IX, 11; XI, 63.
- 'Bluebirds, A Summer With.' VI, 41.
- 'Blue Jays at Home.' VII, 268.
- 'Blue Jay Boarders.' XI, 212.
- 'Blue Jay Household, A.' VI, 89.
- Blunt, Mary G. 'Nesting of the Carolina Wren.' XIV, 296.
- Bobolink. X, singing 123; XI, 125, 128, 137; XII, in Montana 198; XV, in Montana 113.
- 'Bobolink, The.' XI, 137.
- 'Bobolink: His Prelude' (poem). XI, 113.
- 'Bobolink, Life History of.' XI, 125.
- Bob-White. VI, in Florida 189; VII, taming 271; X, friendship with cat, 79; XI, decrease 57; XII, economic value 255.  
—Florida. XI, 249.
- 'Bob-White.' XII, 255.
- 'Bob-White, The Story of a Tame.' VII, 271.
- Bole, Marion. 'My Chickadee Family.' VIII, 6.
- Bond, Frank, biography of. XIII, 175.
- Bonner, Mrs. P. R. 'Notes on the Starling.' IX, 171.
- Bowditch, Beecher S. 'Bird Tragedies,' VIII, 208; IX, 'Nature Study Organizations,' 90; 'The Rose-breasted Grosbeak,' 110; 'Alien License Law,' X, 97.
- Bowditchia, americana. X, 171.
- Bowen, Carroll E. 'A Winter Mockingbird.' VI, 67.
- 'Bower-Birds, The, of Australia.' II, 135.
- 'Boxes that Provide no Nesting Material.' XIII, 79.
- Boyer, Edgar. 'Whip-poor-will in Missouri.' XV, 368.
- Boynton, Alice M. 'The Audubon Club in the Bahamas.' IX, 184.
- Bradley, Guy M. VII, memorial notice of 218; killing of 250; VIII, trial of accused men 34.
- Bradley, Mrs. G. M. VIII, fund for 35, 77, 112, 180, 229; XIV, at home 191.
- Brandeis, Edith C. M. 'A Robin Winter Colony.' XIV, 353.
- 'Breeding of the American Crossbill.' XII, 3.
- 'Breeding of the Pine Warbler in Rhode Island.' XIII, 187.
- Brewer, O. C. 'The Grackle in Virginia.' XII, 115.
- Brewster, William. 'A Study of Lincoln's Sparrow,' II, 109; 'Voices of a New England Marsh,' IV, 43; 'A Tragedy in Nature,' V, 151; 'Eggs of the Flicker . . . in an Odd Place,' XI, 73; 'A Device for Looking Into Birds' Nests,' XIII, 74; 'Ceremonials of Courtship Practiced by the American Merganser,' XIII, 125.
- Bridge, Lidian E. 'The Story of Two House Wrens.' XIII, 141.
- Brodhead, Mrs. Lucas. 'Birds in the Florida Keys.' XII, 189.
- Broods, number of considered. V, 27.

## General Index

- Brooks, Allan. 'The Wood Duck and the Canvasback in British Columbia.' IX, 127.
- 'Brown Creeper, The' (poem). V, 197.
- Brown, Elizabeth V. 'A Bird-Day Program.' I, 52.
- Brown, Frank A. 'Cliff Swallows,' XII, 137; 'Machias Seal Islands.' XIII, 239; 'The Old Man' (Isl.), XV, 213.
- Brown, N. C. 'A Familiar Sparrow Hawk.' VIII, 48.
- Brownell, Stephen P. 'My Summer Tenants.' XII, 95.
- Brush-turkey. V, 6.
- Buckland, James, work in England. XIV, 320.
- Bunting, bay-winged. See SPARROW, VESPER.  
—indigo. IX, habits 179.  
—lazuli. XIII, 248, 249.  
—painted. XIII, 248, 250.  
—snow. V, in trees 64; VII, 280; XII, 247; XV, 16, molt 17.  
—varied. XIII, 248, 250.
- Burdock, capturing birds. XI, 261.
- Burns, Frank L. 'The Worm-eating Warbler.' VII, 137.
- 'Burroughs, John, at Slabsides.' I, 5.
- Burroughs, John. 'In Warbler Time,' I, 3; 'A Bewildered Phoebe,' III, 85. 'Buried Treasure.' III, 74.
- Burke, Verdi. 'The Birds of a Marsh.' III, 129.
- Bush, Egbert T. 'Great-crests Nesting in a Box.' XII, 146.
- Bush-tit. VII, 281; XI, family life 209, habits 225.
- 'Bush-Tit, The.' XI, 225.
- Bush-wren. V, 117.
- Butcher-bird. See SHRIKE.
- Butler, Jefferson, field-work by. XVI, 260, 410.
- Buttrick, P. L. 'Life History of the Bobolink.' XI, 125.
- Buzzard, turkey. See VULTURE, TURKEY.
- C—**
- Cage-birds. I, ethics of caging 89, 135, 158; VII, traffic in 74.
- Calhoun, Clara. 'Carolina Wrens in a Blacksmith Shop.' XIII, 142.
- California. II, winter birds of 188; VII, 281; XV, protection in 275.
- 'California Quail The.' XIV, habits 312.
- 'Camera, A new, for Bird-Photographers.' II, 37, 90.
- 'Camera, The, as an aid in the Study of Birds.' I, 6, 35.
- Campbell, A. J. 'The Bower-birds, II, 135; 'The Mound-Building Birds of Australia,' V, 3.
- Campbell, Helen G. 'From Ceylon.' XI, 92.
- Camp-robbler. See JAY, CANADA.
- Canada. VII, bird-protection in, 63.
- Canfield, Albert B. 'A Boy's Invention.' VII, 142.
- Cape Pigeon. IX, 248.
- Cardinal. I, 83, 132; V, 197; VI, nesting amid snow, 205; VIII, 39, song 41; XI, 85, 127; XV, 171, 172.
- 'Cardinal, The.' VIII, 39.
- 'Cardinal, The, at the Hub.' I, 83.
- Carey, Henry R. 'Habits of the Kingfisher.' XI, 161.
- 'Carolina Wren, The.' XIII, 167.
- 'Carolina Wrens in a Blacksmith Shop.' XIII, 142.
- Carpenter, Harriet A. 'Story of the Little Wrens.' XV, 261.
- Carpenter, William D. 'An April Snow-storm.' XIII, 76.
- Carr, Rufus H. 'A Winter Catbird.' XII, 116.
- Case, Bert F. 'An Experience in Tree-top Photography.' VIII, 1.
- Cat. IV, status discussed, 70; VII, 287, 307; VIII, destroying petrels 146; X, protecting birds against 215; XI, 58, 100, 191; XII, 123, 149, 150, 158, 174; taxing 200, destroys petrels 261.
- Catbird. I, photographing a, 87; in captivity 163; IV, singing 161; XII, in winter 110; XIII, 166; XIV, 271, 294; XV, habits 327.
- 'Catbird Study, A.' I, 87.
- Catesby, Mark. VII, 126.
- Cedar-bird. IV, winter habits 198; IX, destroying fruit 57; XIII, 55.
- 'Cedar Waxwing, The.' XIII, 55.
- Census, Bird-Lore's Christmas. See CHRISTMAS.
- Chama, spurs of. IV, 185.
- Chapin, Anna Clara. 'A Prothonotary Warbler in Wellesley.' XII, 76.
- Chapman, Frank M. 'The Legend of the Salt,' I, 55; 'Gannets on Bonaventure,' 71; 'The Surprising Contents of a Birch Stub,' I, 187; 'Economic Value of Gulls,' II, 10; 'Pelican Island revisited,' III, 3; 'Elliott Coues on Audubon,' III, 9; 'A Question of the Day,' III, 38; 'Bird-nesting with Burroughs,' III, 88; 'A Night-hawk Incident,' III, 126; 'Bird-life at Shoal Lake,' III, 145; 'A New Device for securing Bird Pictures,' III,

## General Index

- Chapman, Frank M.—*Continued.*  
 195; ‘How to Name the Birds,’ III, 200; IV, 20, 62, 88, 124, 155, 189; ‘Flamingoes’ Nests,’ IV, 177; ‘How to Study Birds,’ IV, 194; V, 25, 56, 89; ‘Bird-life on Cobb’s Island,’ V, 109; ‘An Island Eden,’ V, 175; ‘The Migration of Warblers,’ V, 188; ditto (continued) VI, 21, 57, 91, 130, 162, (see also below); ‘The Black Tern at Home,’ VI, 1; ‘Climatic Variation in Song Sparrows,’ VI, 165; ‘Young Flamingoes,’ VI, 193; ‘Migration of Warblers,’ (continued) VII, 33, 135, 169, 203, 237, 275; Feeding Habits of the Northern Phalarope,’ VII, 273; ‘Migration of Warblers from the Bahamas,’ VII, 140; ‘Migration of Warblers,’ (continued) VIII, 26, 61, 100, 134, 168, 203; ‘Migration of Thrushes,’ IX, 32, 76, 121, 166, 205; ‘A Season’s Field Work,’ IX, 256; ‘A Bird Friend,’ X, 14; ‘Home-Life of the American egret,’ X, 59; ‘The Fish Hawks of Gardiner’s Island,’ X, 154; ‘Use of a Blind in the Study of Bird-Life,’ X, 250; ‘Feud of the Crows and the Owl,’ XI, 4; ‘The Bobolink,’ XI, 137; ‘Plumage of N. A. Sparrows,’ XIII, 17, 89, 147, 249, 300; ditto (continued) XIV, 47, 105, 162, 218, 290; ‘An Eighteen-year Retrospect,’ XIV, 141.
- Chase, Annie. ‘How the Gulls Won the Vote.’ XIV, 226.
- Chat. VI, 23; VIII, singing 131; XIV, 355.
- Chebec. See FLYCATCHER, LEAST.
- ‘Chebec’s First Brood, The.’ IV, 80; ‘Second Brood,’ III, 160.
- Cherrie, George K. ‘The Egret Hunters of Venezuela.’ II, 50.
- ‘Chestnut Sided Warbler—A Study.’ X, 207.
- Chewink. See TOWHEE.
- Chickadee, black-capped. I, tameness 55, 58, 185; poem 77, nest 187; II, 59, 178, 180; poem 193; III, 18; V, nesting 63; VIII, nesting 8; XII, family life 219-225; XIV, 333, habits 372; XV, 179, 322, 373.
- ‘Chickadee all the Year Round.’ XI, 59.
- ‘Chickadee Home, A.’ XII, 219.
- Children, aids to bird-study for. I, 17, 18, 125.
- ‘Chimney Swift, The.’ VII, 130.
- ‘Chimney Swift, The.’ XIII, 115.
- Chisholm, Alexander R. ‘Reminiscences of Audubon.’ XI, 262.
- Christmas Bird-census. II, 192; III, 28; IV, 24, 188; V, 15, 194; VI, 8; VII, 22, 235, 279; VIII, 14, 33; IX, 16, 263; X, 22, 257; XI, 15; XII, 19, 232; XIII, 18-44, 48, 296; XIV, 18-44, 344; XV, 20-45, 184.
- ‘Christmas Sermon for Teachers.’ XII, 253.
- Christy, Bayard H. ‘The Herring Gull on Lake Superior.’ VI, 86.
- Circulating Collections of Am. Museum of Natural History. VI, loans to schools, 201, 209.
- ‘City Bird-Life.’ XI, 215.
- Clapp, Mrs. F. G. ‘A Benumbed Evening Grosbeak.’ XI, 267.
- Clark, Josiah. ‘A Plea for Bird-Boxes.’ VI, 66.
- ‘Clark’s Crows and Oregon Jays.’ I, 46, 71.
- Clarke, Cora H. ‘The Cat Question.’ XI, 99.
- Clarke, William C. ‘A Family of Great Owls,’ X, 99; ‘Hawks and Hunting,’ XI, 205; ‘Disabled Birds,’ XIII, 191; ‘Duck Hawk on the Palisades,’ XIV, 81.
- Classification. III, discussed 179; taught XIV, 179, 239.
- Claude, L. ‘A Bluebird Study.’ XIV, 91.
- ‘Clay Bird-Houses and Bird-Baths.’ IX, 69.
- Cleaves, Howard W. ‘A New Departure for the Redwing.’ XII, 60; ‘Barn Owls nesting in New York City,’ XII, 225; Report on Virginia Coast, XIII, 335.
- Cleveland, Lilian. ‘Nesting of the Indigo Bunting.’ V, 87.
- ‘Cliff Swallows.’ XII, 137; XIV, 150.
- Cobb, Stanley. ‘A Little Black Rail in Massachusetts.’ VIII, 136.
- Cobb’s Island, bird-life on. V, 109; IX, 316.
- Coffin, Lucy V. B. ‘A Tragedy.’ VIII, 68.
- Cold storage of game. XIII, 120.
- Cole, Arthur A. ‘Gulls on Cobalt Lake, Ontario.’ XII, 146.
- Collectors and collecting; remarks on. I, 61, 63, 99, 135; II, 152.
- Collins, H. M. ‘A peculiarity of a caged Skylark.’ I, 157.
- Colombia, expedition to. XV, 118.
- Color of birds; changes explained. V, 156.
- Colors, theory of ‘concealing.’ XII, 153, 155; XIII, 255, 261.

## General Index

- 'Common Names of N. A. Birds.' X, 78.  
 'Common-sense Bird-Box, A.' XII, 77.  
 'Comradeship, The, of Redpolls.' XI, 8.  
 'Concerning Birds' Tongues.' II, 5.  
 'Concerning the Bad Repute of Whiskey John.' IV, 109.  
 Cooke, W. W. 'The Migration of Flycatchers,' IX, 264; X, 16, 77, 144, 166, 210, 258; 'Migration of Vireos,' XI, 78, 118, 165; 'Migration of N. A. Sparrows,' XI, 254; XIII, ditto, 15, 83, 144, 198, 202, 248, 298; XIV, ditto, 45, 98, 158, 218, 287, 345; 'Local Decrease in Bluebirds,' XV, 9; 'Bird-House Tenants,' XV, 112.  
 Coot, American, V, 148.  
 'Conscience and the Game Laws.' VI, 173.  
 Cormorant, Florida. VII, nesting 121.  
     —red-faced. III, 49.  
 'Cormorants of Great Lake, The.' VII, 121.  
 Cornfield Bird Society. XIV, 368.  
 Correlation in nature-study. XIII, 215.  
 Coues, Elliott. II, obituary notice of, 3; 'Address' on Audubon, III, 9; 'Recollections of,' as a young man, IV, 3; at his first army-post, 5; first journey west, 8; 'Key' 5th Edition, noticed, V, 34.  
 Courtship among birds. V, 129.  
 'Courtship of Black Ducks.' XI, 195.  
 'Courtship practised by the American Merganser.' XIII, 125.  
 Cowbird, II, 121, VI, fostered by Vireo 99; XI, winter 85, development of young 149, habits 214.  
 'Cowbird's Nursery, A.' XI, 149.  
 Cox, Elizabeth C. 'The Northern Shrike.' XIV, 352.  
 Craig, Wallace. 'The Passenger Pigeon in Captivity.' XV, 93.  
 Cram, William E. 'Winter Bird Notes from Southern New Hampshire.' I, 180; 'Killdeer in New Hampshire,' XIV, 231.  
 Crane, sandhill. XV, pet 358.  
 Creeper, black and white. VII, 170.  
     —brown. III, in captivity 73; IV, nesting 157; X, 81.  
 Crittenden, Viola E. 'The Carolina Wren in Beverly.' XV, 222.  
 Crolius, A. A. 'How the Central Park Chickadees were Tamed.' I, 185.  
 Crosby, Ernest. 'The Veery's Note' (poem). IV, 119.  
 Crosby, Maunsell S. 'The Barred Owl at Rhinebeck, N. Y.' XIV, 87; 'Golden-winged Warbler at Rhinebeck, N. Y.' XIV, 145; 'Notes on a Pair of Holbell's Grebes,' XV, 293.  
 Crossbills, red. II, flights in 1899-1900 25, 59, 193; III, 210; V, 166; X, 270; XII, family life 3; XIV, 45, 47.  
     —white-winged. X, 270; XI, 123; XIV, 46, 48.  
 Crow, American, I, roost of 177; II, voice 261; IV, family life 22; V, swimming 63; VI, tamed 155; VII, hardships in winter 174; XI, antipathy to owl 4, nesting 114; XII, mischief 122; XIII, broken leg repaired 192; XIV, tame 210; as a nest-rober 231.  
     —Clark's. I, 46, 71.  
     —prize essay on. IV, 31.  
 Cuba, winter birds of. X, 260.  
 Cuckoo, black-billed. V, Nocturnal habits 143, 170; X, growth 205; XII, family life 131, 249.  
     —old world. XII, 249.  
     —yellow-billed. VII, economic value 220; XII, 49.  
 Culver, Delos E. 'A Late Goldfinch.' XV, 371.  
 Curlew, Eskimo. XV, 59.  
     —Hudsonian. XV, 59.  
     —long-billed. XV, 59.  
 'Curios in Nests.' XII, 144.  
 Curry, Haskell B. 'Mockingbird at Boston.' XV, 243.  
 Curtis, Capt. C. A. 'Coues at his first Army-Post.' IV, 5.

### —D—

- Davenport, Janet. 'The Nest of a Crippled Towhee.' XIV, 60.  
 Davis, Bessie S. 'Redpolls and White-winged Crossbills in New Hampshire.' XI, 122.  
 Davis, Edwin R. 'Evening Grosbeaks at Leominster, Massachusetts.' XIII, 301.  
 Davis, Jane S. 'The Wood Thrush' (poem). XIV, 144.  
 Davis, M. B. XII, biography 212; XIII, report by, 1910, 350.  
 Davis, William T. 'Tame Wild Turkeys.' XIV, 342.  
 Dawson, C. C. 'Advertisement' (poem). VII, 1.  
 Dawson, W. Leon. 'From a Westerner's Standpoint.' X, 20; Tufted Puffin.' XV, 268.  
 Day, Mary F. 'Home-life in a Chimney,' I, 78; 'City Bird-Life,' XI, 215.  
 Debes, V. A. 'Winter Robins.' XIV, 111.  
 'December—Six Reminders.' IX, 276.  
 'Delaware Valley Club, The.' IV, 57.

## General Index

- Denig, Robert L. 'A Meadowlark's Unusual Nest-site.' XV, 113.
- Dennison, George A. 'A Talented Song Sparrow.' XIV, 292.
- Denmark, Bird-protection in. IX, 60.
- Destructive Effects of a Hail on Bird-life.' IV, 143.
- 'Device for looking into Birds' Nests.' XIII, 75.
- Dibble, Edmund B. 'Two Notes.' II, 117.
- Dick, Neil H. 'A Discovery in regard to the Towhee.' XIII, 253.
- Dickcissel. X, habits 262; XIII, 83, 89. 'Dick Cissel' (poem. II, 88.
- Dickerson, Mary C. 'Chestnut-sided Warbler.' X, 207; 'Chickadee all the year Round.' XI, 59.
- Dike, A. C. 'A Phoebe with three Nests.' V, 108.
- Dingle, Edward S. 'Notes on the Wood Thrush.' X, 217; 'Bird Records from Clarendon County, S. C.' XV, 310.
- Dipper. VIII, 10; X, nesting 1-7.
- 'Disabled Birds.' XIII, 191.
- Diver, great northern. See LOON, COMMON.
- Dommerich, L. F., bequest from. XV, 67.
- Dommerich, Mrs. L. F., death of. II, 203.
- Doolittle, W. O. 'Buried Treasure.' III, 74; 'The Old Maid Gull.' XV, 349. 'Do Snakes Charm Birds?' VIII, 137.
- Dove, mourning. V, nest on ground 133; X, 82; XIII, nest 153.
- Dovekie. See AUK, LITTLE.
- Drew, Emma E. 'Some Bird Acquaintances.' IX, 114.
- 'Drumming of the Ruffed Grouse.' X, 246.
- Duck, baldpate. XII, 146.  
—black. XI, courtship 195.  
—canvas-backed. IX, 127.  
—eider. VII, 322; XV, 14, 217.  
—mallard. XI, habits 40.  
—scoter. XV, 15.  
—shoveler. XIII, 208.  
—wood. IX, 127, economic value 189.
- 'Duck Hawk, A Massachusetts Airy.' VI, 47.
- 'Duck Hawk, The, on the Palisades.' XIV, 81.
- 'Duck Hawks of Taughannock Gorge.' XV, 1.
- Ducks. V, nesting in N. Dakota 151; VIII, tameness 59; X, slaughter in British Columbia 150; food. XI, 41, and rice-culture 44; XII, increase 115; XIV, killed in oil-reservoir 336.
- Dugmore, A. Radcliffe. 'The Increase of the Chestnut-sided Warbler.' IV, 77.
- Dutcher, Mary, memorial fund for. XII, 172, 267.
- Dutcher, William. 'Loons at Home.' I, 40; 'National Committee Notes.' VI, 35; also VII, 217, 252; 'Snowy Heron.' VI, 38; 'The Marsh Hawk.' VI, 78; 'The Red-Shouldered Hawk.' VI, 100; 'The American Sparrow Hawk.' VI, 144; 'The Screech Owl.' VI, 179; 'The Short-eared Owl.' VI, 218; Annual Report Nat. Ass'n Aud. Societies, VII, 43; 'Which Shall be the National Association Bird?' VII, 35; 'The Ostrich.' VII, 154; 'The Barn Owl.' VII, 186; 'Guy M. Bradley.' VII, 218; 'The Yellow-billed Cuckoo.' VII, 219; 'The Tree Sparrow.' VII, 254; 'The Purple Martin.' VII, 256; 'The American Goldfinch.' VII, 290; 'Cardinal.' VIII, 39; 'The Belted Kingfisher.' VIII, 79; 'The Rose-breasted Grosbeak.' VIII, 113; 'The Scarlet Tanager.' VIII, 147; 'The Blue Jay.' VIII, 181; 'Remarkable Flight of Redbreasted Nuthatches.' VIII, 209; 'The Killdeer.' VIII, 220; 'The Wood Duck.' IX, 189; report, IX, 285; X, congratulations on 62nd birthday 88, report 277; 'Horrors of the Plume-Trade.' XI, 100a; 'How to Attract Birds.' XI, 229; 'Education as a Factor in Audubon Work.' XI, 281; 'Some Reasons Why International Bird Protection is Necessary.' XII, 169; 'Bird-Box Experiences.' XII, 210, departure to Europe 128, suffers paralysis 259, 270; XIII, health noted 59, 171, 225, 263, 273, 326; ditto, XIV, 70, 320; ditto, XV, 137, 399.
- Dwight, Jonathan, Jr. 'How Ptarmigans Molt.' II, 175; 'How Birds Molt.' V, 156; 'Thrushes of North America.' IX, 103.

### —E—

- Eagle, bald. III, early nesting 34; XIV, threatening child 228, 349.  
—golden. XI, flight 252.
- 'Early Larks.' III, 54.
- Eaton, Isabel. 'Bird Studies for Children.' I, 17.
- Eckstrom, Fannie H. 'The Bad Repute of Whiskey John.' IV, 109; 'Story of Peter.' XIV, 275.
- Edmonton Bird-Club. XII, 129.
- 'Edmonton, Alberta, Birds.' IX, 118.
- Educational leaflets, history of. VIII, 246.

## General Index

- Egg-collecting reprobated. I, 61, 63.  
 Egg-laying, study of. V, 95.  
 Eggs of birds. VIII, value for study 95; X, destroyed by storms 124.  
 'Eggs of the Flicker found in an Odd Place.' XI, 73.  
 Egret, American. X, 59-68; XI, in South Carolina 187; XIV, life-history 62-69.  
 Egret-hunters punished. XV, 339.  
 Egret, snowy. XIV, life-history 62-69.  
 Egrets. XII, colonies raided 129; XIII, fund for saving 226; in Venezuela 172; XIV, 62-69, 74, 135, protection of 194, 198, 262, 324, 386; XV, 68, 74, 148, 209, 280, 410.  
 Elepaao. III, 154.  
 Elk. XIII, starving in Wyoming 121; XIV, transfer of 191; XV, protection for 141.  
 Elliott, Amanda. 'Nesting Habits of the Wood Pewee.' XI, 154.  
 'Elliott Coues on Audubon.' III, 9.  
 Elliot, Daniel G. 'Coues as a Young Man.' IV, 3.  
 Emerson, L. P. 'Replacing a Fallen Swift's Nest.' XII, 143.  
 Emery, Mrs. Mary. Gift of a bird park. XII, 129, 160.  
 Eniu, destroyed. XIII, 66.  
 English Sparrow. See SPARROW, EUROPEAN.  
 'English Sparrow as an Evictor.' VII, 176.  
 'English Sparrow, The, and Bird-boxes.' XI, 217.  
 'English Starling' (poem). IV, 61.  
 'Entangled in the Burdock' (poem). X, 46.  
 'European Birds in America.' V, 163.  
 'Evening Grosbeak, A Recent Visit of the.' VII, 173.  
 Everglades, bird-life in the. XIII, 288.  
 'Ezekiel.' XIV, 154.
- F-**
- Fairbanks, Nettie I. 'Lunch-counter Notes.' XII, 199.  
 'Fallacy of the Moving Bird-House.' IX, 209.  
 Fantail. V, 115, 117.  
 Faucett, E. 'The Baltimore Oriole.' IX, 137.  
 Feathers, use of, in millinery. II, crusade against 32; warning to post-masters 66; advertisement of by a trader 66; III, 40; V, growth 158. See also AIGRETTE; PLUME; MILLINERS.
- Feather-trade. II, proposition from milliners 93; IV, discussed 168; V, 104; VIII, 74; IX, statistics 146; X, 98, 193; XI, defence of 232; XII, 51; XIII, 278; XIV, 52; XV, 145.  
 'February.' IX, 42.  
 'February—Preparation Month.' XII, 42.  
 'February Birds.' II, 23.  
 'February Hints.' X, 45.  
 'February Walk, A.' I, 94.  
 'February Walk, A, in Central Park.' I, 57.  
 'Feeding Birds in Winter.' VII, 41.  
 'Feeding Birds in Winter.' VIII, 171.  
 Feeding devices, rustic. XIV, 337.  
 'Female of the Species is more puzzlin' than the Male' (poem). XV, 290.  
 'Feud of the Crows and the Owl.' XI, 4.  
 Field, George W. 'The Heath Hen.' IX, 249; XV, 352.  
 Field-notes, method of keeping. V, 125; X, 128.  
 Field-record, Chapman's. III, scheme for 203.  
 Finch, Aleutian rosy. XV, 364, 366.  
     —brown-capped rosy. XV, 365, 366.  
     —black rosy. XV, 365, 366.  
     —grass. See SPARROW, VESPER.  
     —gray-crowned rosy. XIV, 170.  
     —Hepburn's rosy. XII, nesting 108.  
     —pine. IX, 174.  
     —house. IX, habits 61.  
     —purple. IX, economic value 225.  
 Finker, A. D. 'Nesting Site of the American Long-eared Owl.' IX, 83.  
 Finklea, I., and Morris, A. L. 'A Study of Mockingbirds.' XV, 307.  
 Finley, William L. X, report 291; 'The Bush-tit.' XI, 225, report 301; 'The Blackheaded Grosbeak.' XII, 163; report 275; XIII, 347; XIV, report 415; XV, report 431.  
 'First Impressions of Hawaiian Birds.' III, 119, 153.  
 Fischer, Moritz. 'A Vanished Race.' XV, 77.  
 Fisher, William H., memorial notice of, XI, 327.  
 Fish-hawk. See HAWK, FISH.  
 'Fish Hawks, The, of Gardiner's Island.' X, 153.  
 Fisher, Walter V. 'Tame Wild Geese.' VIII, 193.  
 Fiske, Dwight L. 'Confiding Vireos.' IX, 47.  
 Fiske, George W., Jr. 'The Olive-sided Flycatcher.' VII, 195.  
 'Five Little Waxwings.' XV, 218.

## General Index

- Flamingo. IV, breeding habits 177; VI, nesting 193, development 196.  
 'Flamingoes' Nests.' IV, 177.
- Flicker. VI, in Florida 187; X, albino 127; XI, nesting on the ground 73; albino 120; XII, 135; XIV, 292.  
 'Flicker' (poem). I, 129.
- Florida, birds of. VII, 67; IX, 6; XIV, 164, 191.
- Flycatcher, alder, X, 115.  
 —Arkansas. X, 16.  
 —ash-throated. XI, 14.  
 —beardless. X, 258.  
 —buff-breasted. X, 77.  
 —Couch's. X, 259.  
 —crested. VII, 19; XI, 12; XII, 146.  
 —gray. X, 77.  
 —green-crested. X, 114.  
 —Hammond's. X, 77.  
 —least. III, 160; IV, photographing brood 80; VI, thieving 134; X, 116; XII, nesting 148.  
 —olive-sided. V, nesting 153; VII, 196; X, 258.  
 —Say's. VI, 68.  
 —St. Lucas. X, 78.  
 —scissor-tailed. IX, 264.  
 —Traill's. X, 115.  
 —vermillion. IX, 265; XII, 80.  
 —western. X, 77.  
 —Wright's. X, 77.  
 —yellow-bellied. X, 114.
- 'Flycatchers, Nesting Habits of two at Lake Tahoe.' V, 153.
- Flying-animals compared. VII, 257.
- Food-shelf, an anti-sparrow. V, 30.
- Forbush, E. H. 'Nesting-Boxes.' VII, 5; 'How to Attract the Winter Birds,' VII, 233; report 288; 'The Mallard,' XI, 40; 'Sharp-shinned Hawk,' 94; report 297; 'The Sharp-shinned Hawk Again,' 233; 'Bob-White,' XII, 255; 'The Cedar Waxwing,' XIII, 55; 'The Horned Lark,' XIII, 332; report, 272; 341; 'The Chickadee,' XIV, 372, report 393; 'The Last Passenger Pigeon,' XV, 99; 'New England Legislation,' XV, 274; report, 417.
- Forshay, P. M. 'Notes on the Robin.' XV, 373.
- Franklin, Dwight. 'Photographing Kingfishers in Flight.' XII, 233.
- 'Franklin's Gull.' XII, 124.
- 'Friendly House Wrens, The.' XIII, 135.
- Frigate-bird, carrying messages, X, 123.
- Frogs, notes of. IV, 48, 52, 55, 56.
- 'From a Westerner's Standpoint.' X, 20.
- 'From Ceylon.' XI, 92.
- Fuertes, Louis A. 'Voices of Tropical Birds,' XV, 341.  
 'Fur-seal, Saving the.' XII, 93.
- G—
- Gager, Archie. 'Shovelers in Massachusetts,' XIII, 208; 'Blue Gray Gnatcatcher in Massachusetts.' 209.
- Gale, Denis. 'Notes on Dippers.' X, 3.
- Gallinule, Florida. IV, 51.
- Gannet. I, 71; X, 240.  
 'Gannets on Bonaventure.' I, 71.
- Gardiner's Island, birus of. V, 176; XIII, 150, 354.
- Gilbert, George H. 'Incidents of Bird Life.' VI, 216.
- Garretson, John Lyall. 'A Gentle Criticism.' IX, 73.
- Georgia, game-laws of. XIII, 273.
- Gilluwe, Emma Van. 'Nesting of the Carolina Wren.' XIII, 150.
- Gillette, Eugenia C. 'A Bit of Robin History.' VIII, 126.
- Glencarlyn-Audubon Society, III, 219.
- Gnatcatcher, blue-gray. IV, 189; X, moving nest 73; XIII, in Massachusetts 209; XIV, 167.
- Golden-eye, in New Brunswick. II, 157.
- 'Golden-winged Warbler.' IV, 96.
- Goldfinch. II, tongue 6, family life 148; VI, feeding 133; VII, nesting 190, economic value 290; X, (poem) 46; XIII, 140, 142; XIV, 354; XV, 371.  
 —Arkansas. XII, 196, 197.  
 —Lawrence's. XII, 196, 197.  
 'Goldfinch Idyl, A.' IV, 148.
- 'Goldfinch Study, A.' VII, 189.
- Goodale, Dora Read. 'To a Chimney Swift' (poem). VIII, 87; 'Hawks Challenge' (poem), XI, 204.
- Goodpasture, Albert V. 'A Mockingbird's June.' X, 201; 'Woodpeckers and June-Bugs,' XI, 196.
- Goose, Canada. XV, 15.  
 —emperor. XV, habits 129.  
 —spur-winged. IV, 184.
- Gorman, Vincent E. 'Birds of February and March, 1902.' VI, 64.
- Goshawk. XI, 266.
- Gould, John. 'Random Bird-Notes.' XII, 245.
- Grackle, bronzed. VII, food 144; XII, 135.  
 —purple. XII, in Virginia, 115; XIV, 355.
- Graham, J. M. 'The Story of a Tame Bob-White.' VII, 271.
- Grant, Mrs. Henry T. XIV, 130.
- Gray, Paul E. 'Tragedies of Sandpipers' Nests.' XV, 223.

## General Index

- 'Gray Kingbird at Home.' XV, 165.  
 'Great-Crests Nesting in a Box.' XII, 146.  
 Grebe, eared. IV, 86.  
 —Holbcell's. IV, 87; XV, 180, 293.  
 —horned. XI, nesting 241.  
 —pied-billed. IV, 87; V, 149; XII, in Connecticut 199; XV, 180.  
 —red-necked. IV, 87.  
 —western. II, slaughter 34; IV, 86; killed for milliners, VII, 339, 141.
- 'Grebe Colony, A.' IV, 86.  
 'Green Heron, The.' XV, 198.  
 Grinnell, George Bird. XIV, biography 77; 'Ruffed Grouse,' XV, 63.  
 Grinnell, Joseph. 'The Willow Ptarmigan' XIV, 376.  
 Griscom, Ludlow. 'Central Park Notes,' X, 263; XI, 130; 'Bird-Notes from Long Beach,' XII, 246; 'Notes from Gardiner's Island,' XIII, 150; 'Notes from Long Island.' XIV, 167.
- Grosbeak, black-headed. XII, habits 163; XIV, 158, 152.  
 —blue. XIII, 198, 202.  
 —evening. IV, 9; VII, 173; X, 264; XI, 85, 126, 127, 267; XII, 147, XIII, 92, 149, 209, 298, 300, 305; XV, 173, 174, 309.  
 —pine. V, 199; VI, in New Jersey 198; XIII, 306; XIV, 164, 345, 346.  
 —rose-breasted. III, 174; VIII, 113, 161; IX, 110; X, 82, 217; XII, 176; XIII, family life 318; XIV, pet 153, 158, 162.
- Grouse, ruffed. VI, taming 81, 82; X, drumming of 246; XII, 11; XIII, tracks in snow 13, sleeping 541, nest 99. nesting-behavior 304; XV, 630.  
 —sharp-tailed. XV, 291.
- Growth of birds. VII, 263.  
 'Growth of Young Black-billed Cuckoos.' X, 205.
- Guillemot, black. XV, 12.
- Gull, Burgomaster. III, 45, 46.  
 —Franklin's. XII, habits 124.  
 —great black-backed. XV, 13.  
 —herring. VI, on Lake Superior 86; VII, nesting 323; VIII, in mid-ocean 89; IX, 277; XIV, famished 338; XV, 13, pet 195, 214, at Lake Superior 349.  
 —laughing. XII, 174; XIV, colony 204, robbing nests 207.
- 'Gull Pensioners.' XIV, 338.
- Gulls. II, economic value 10; seizure of feathers in Baltimore 203; III, 42; VII, food 280; XIV, as scavengers 226.
- Gulls and terns protected. II, 60, 90.
- H-**
- 'Habits of the Black Vulture in Nicaragua.' VIII, 165.  
 'Habits of the Kingfisher.' XI, 161.  
 Hagar, A. F. 'Starlings in Princeton, N. J.' XIV, 112.  
 'Hairy and Downy Woodpeckers.' XIV, 127.
- Hale, Edith M. 'Hooded Warbler in Boston.' XV, 370.
- Hales, Henry. 'Notes on the Ruby-throated Hummingbird.' III, 141.
- Hallock bill. II, 93, 98.
- Hammitt, John. 'Lonely Tom.' XII, 237.
- Haney, John D. 'How One School Made Bird-Houses.' XI, 223.
- 'Hanging Home in the Oak Tree, The.' XI, 209.
- Harlequin. II, 158.
- Harlow, Richard C. 'A Redpoll Invasion.' XI, 121.
- Harper, Francis. 'Observations in a Laughing Gull Colony.' XIV, 204; 'Expedition into Okefenoke Swamp,' XIV, 402.
- Harvey, Gertrude Fay. 'A Visit to the Lake Erie Terns.' VI, 122.
- Haulenbeek, R. F. 'Winter Robins.' XIV, 110.
- Hawaii, bird-protection in. VI, 142; VII, 68, 82, 303; IX, 58.
- Hawk, broad-winged. VIII, young 1.  
 —Cooper's. XI, 205.  
 —duck. VI, nesting 47; XIV, on Palisades 81; XV, nesting 1-8.  
 —fish. II, 89; X, on Gardiner's Island 153.
- Hawk fighting a snake. XV, 243.
- Hawk, marsh. II, 43; VI, 78; XI, 205.  
 —red-shouldered. VI, economic value 109.  
 —red-tailed. VII, killing another hawk 68, nesting 138, 151.
- sharp-shinned. II, 26; III, 175; XI, habits 94, 190, 233.
- sparrow. III, 175; VI, economic value 144; VIII, 48; XIII, boxes for 81; XV, hunting 112.
- 'Hawk's Challenge' (poem). XI, 204.
- 'Hawks Hunting.' XI, 205.
- Head, Anna. 'Nesting of the Ruby-crowned Kinglet.' V, 52; 'Nesting Habits of Two Flycatchers at Lake Tahoe.' 153.

## General Index

- Heath Hen. V, in New Jersey; Van Note's letter 50; IX, history 249, habits on Martha's Vineyard 251; XI, 244; XV, habits 352.
- Hegeman, Katherine R. 'An Albino Pewee.' XV, 376.
- Hegner, Robert W. 'Photographing a Bluebird.' I, 43; 'The Prairie Horned Lark,' 152; 'Photographing a Bluebird's Nest by Reflected Light,' VIII, 92; 'The Home Life of the Red-Tailed Hawk,' 151; IX, 'Clay Bird Houses,' etc., 69; 'Where Does the Male Horned Lark Stay at Night?' XI, 75; 'An Albino Robin Tragedy,' XII, 7.
- Heil, Charles E. 'The Towhee.' XI, 158.
- Henderson, Junius. 'The American Dipper in Colorado.' X, 1.
- Henshaw, Henry W. 'First Impressions of Hawaiian Birds.' III, 119, 153.
- 'Hermit Thrush, A, in Winter' (poem). XV, 344.
- 'Hermit Thrush, The' (poem). XI, 153.
- 'Hermit Thrush, The' (poem). XIV, 149.
- 'Hermit Thrush, the Voice of the Northern Woods.' XII, 100.
- 'Hermit Thrush Song, A.' V, 84.
- Heron, black-crowned night. XIV, 70.  
—great white. XII, 1.  
—green. III, fishing in deep water 141; IV, 46; VIII, 12; XV, habits 198.  
—little blue. X, 163.  
—night. IV, 46.  
—snowy. VI, 38; X, in South Carolina 160, 226.
- Herrick, Francis H. 'The Chebec's First Brood.' IV, 80; 'Methods in Photography,' IV, 101; 'Red-eyed Vireos,' VI, 112; 'Italian Bird Life.' VIII, 196; IX, 156.
- 'Herring Gull, The, on Lake Superior.' VI, 86.
- Hodge, Charles F. 'A Pleasant Acquaintance with a Hummingbird.' I, 155; 'A Summer with the Bluebirds.' VI, 41; 'Cats Destructive,' XI, 100.
- Hoffman, Ralph. 'A Chebec's Second Brood.' III, 160.
- 'Hollow Tree, The.' XI, 1.
- Holz, Frederick L. 'The Rose-breasted Grosbeak.' VIII, 161.
- 'Home in a Cellar, A.' IV, 95.
- 'Home-Life in a Chimney.' I, 78.
- 'Home-Life of the American Egret.' X, 59.
- 'Home-Life of the Red-tailed Hawk.' VIII, 151.
- Honeysucker. II, 6; XI, of Ceylon 92.
- 'Honk! Honk!' (poem). XII, 43.
- 'Hooded Merganser in a Chicago Park.' XII, 65.
- 'Horned Lark, The.' XIII, 322. See LARK.
- Horsfall, Bruce. 'A Robin Note.' X, 215.
- 'House Finch, The, from an Office Window.' IX, 61.
- 'House Wren, The.' XI, 183.
- 'How a Marsh Hawk Grows.' II, 43.
- 'How Birds Molt.' V, 156.
- 'How one School made Bird-Houses.' XI, 223.
- 'How our Birds Spend the Winter.' XI, 38.
- 'How Ptarmigans Molt.' II, 175.
- 'How the Central Park Chickadees were Tamed.' I, 185.
- 'How to Attract Birds.' XI, 229.
- 'How to Attract the Winter Birds.' VII, 233.
- 'How to Conduct Field-Classes.' II, 83.
- 'How to Name the Birds.' III, 201; IV, 62, 88, 124.
- 'How to Study a Bird.' VI, 181.
- 'How to Study Birds.' IV, 194; V, 25, 56, 89.
- Howe, Carlton D. 'A Tame Ruffed Grouse.' VI, 81.
- Hoxie, Emily N. 'Feeding Birds in Winter.' VII, 41.
- Hubbard, Marian E. 'Bird-work at Wellesley College.' II, 52; IX, 'Bluebird Tenants,' 11, Ditto, 'Second Season,' XI, 63.
- Huia. V, 120.
- Hull, Edwin D. 'Predicament of a Pied-billed Grebe.' XV, 180.
- Hulse, M. L. 'Winter Robins.' XIV, 110.
- 'Humanizing the Birds.' I, 193.
- Hummingbird, ruby-throated. I, feeding 155; II, 158; III, 90, 108; nesting 141; X, nest-building 126, mothering two broods 198; XII, odd nest 151; XIII, 161.
- 'Hummingbird, A, that Wanted Light.' IX, 81.
- 'Hummingbird Eccentricities.' X, 198.
- 'Hummingbird Experiment, A.' II, 158.
- Humphreys, Edwin W. 'A Trait of the English Sparrow.' XII, 143.
- Hunt, Chreswell J. 'The Bird to the Bird-Lover.' VII, 207.
- Hunt, Emily G. 'The Cat Question.' XII, 149.
- Hunt, Richard M. 'Tree Swallows in a Bird Box.' VI, 93.

## General Index

Hutchins, John. 'The Nesting of the Yellow-throated Vireo.' IV, 120; 'A Recent Visit of the Evening Grosbeak,' VII, 173; IX, 'Feeding Habits of the Blue Jay,' 81.  
Hylas. IV, 48, 52, 56.

### —I—

'Impressions of the Voices of Tropical Birds.' XV, 341.  
'Increase of the Chestnut-sided Warbler.' IV, 77.  
Indigo-Bird. V, nesting 87; XIII, 199, 202.  
'Indigo Bunting, The.' IX, 179.  
'In June.' IX, 133.  
Injuries to birds. XIV, 295.  
'In the Haunts of New Zealand Birds.' V, 114.  
'In the Spartina with the Swallows.' I, 115.  
Isely, F. B. 'Birds of the Red River Sand-bars.' XIII, 293.  
'Italian Bird Life.' VIII, 196; IX, 156.  
Italy, shooting small birds in. VIII, 43.  
Ives, Ella Gilbert. 'The Cardinal at the Hub.' I, 83; 'A Goldfinch Idyl,' IV, 148.

### —J—

Jacana. IV, weapons of 184; XI, 238.  
Jackson, Ralph W. 'Bluebirds in Dorchester, Md.' XV, 114.  
Jackson, Thomas H. 'A Family of Barn Owls.' V, 47; 'The Turkey Vulture and its Young,' 184; 'The Barn Owl's Scrap-pile.' XV, 245.  
Jacobs, J. Warren. 'Construction of Houses for the Purple Martin.' VII, 11; 'Where are the Bluebirds?' XIV, 163.  
Jacques, Mary J. 'Bobolink: His Prelude' (poem). XI, 113.  
Japan, bird-protection in. VI, 139.  
Jay, blue. I, song 197; II, robbing nests, 117; hung 195; III, at Minneapolis 50; VI, nesting 89; VII, winter fare 178; nesting 268; VIII, economic value 181; destroying eggs 210; IX, 81, 128; XI, 212; XII, albino 200; XV, pet 169.  
—California. XIII, nest 151.  
—Canada. III, 197; IV, biography 109; in Colorado 186; X, nesting 7.  
—Oregon. I, 46, 71.  
—piñon. XII, tame 237.

Job, H. K. 'Some Bird Notes from the Magdalens.' VIII, 43; 'A Thrashing by Thrashers.' IX, 241; X, 194; 'Franklin's Gull.' XII, 124; 'The Spotted Sandpiper.' XIII, 221; 'The Least and Semi-palmated Sandpipers.' XIII, 269.

John Crow. See VULTURE, BLACK.  
Johnson, Julius M. 'A Long Island Brown Pelican.' XIV, 226.  
Jones, Lynds. 'Methods in Teaching Ornithology at Oberlin College.' II, 14.  
Jordan, Anna A. 'My Robin Neighbors.' III, 108.  
Journal, how to keep a. IV, 175.  
Judd, Robert S. 'The Prairie Horned Lark in Connecticut.' X, 129.  
Junco, Oregon. XIV, family life 212.  
June; the Month of Song and the Nest.' XI, 135.

### —K—

Kaka parrot. V, 118.  
Kearton, Richard. 'Photographing Shy Wild Birds.' I, 107.  
Keeler, Charles. 'In the Haunts of New Zealand Birds.' V, 114.  
Kelly, Berners B. 'A Shrike and its Prey.' XIII, 292; 'Building of a Robin's Nest.' XV, 310.  
Kelly, Ogden A. 'A Catbird's Revenge.' XIII, 166.  
Kemard, Frederick H. 'A May Morning, I, 91; 'My Experience With von Berlepsch Nesting-Boxes.' XIV, 1; 'Trees, Shrubs (etc.) . . . attractive to Birds.' XIV, 201; 'A Rustic Food-house.' XIV, 337.  
Keyser, L. S. 'Two Sparrow Episodes.' X, 174; 'Redwings Going to Roost.' XI, 176.  
Kidder, A. V. 'A Bittern at Close Range.' III, 173.  
Killdeer. I, 35; II, 148; VIII, economic value 220; XIV, 231; odd nest 350.  
'Killdeers, A Pair of.' II, 148.  
Kingbird. VIII, breeding habits 117; X, 72; migration 166; XIV, food 354.  
—Cassin's. X, 16.  
—Couch's. X, 16.  
—gray. XV, habits 165.  
'King Cole: A Biography.' VI, 155.  
Kingfisher belted. II, home life 76; VII, young drowned in nest 198; VIII, 79; XI, habits 161; XII, flight 233; XIII, nesting 154; XV, 176.  
Kinglet, golden-crowned. X, 221; XI, 261; XII (poem), 244.  
—ruby-crowned. V, nesting 52; X, 223; XI, 85, 267.  
Kinglets, family of. IV, 189; XI, captured by burdocks 261.  
Kittiwake. II, 48; VIII, in midocean 90; X, 241.  
Kiwi (Apteryx). V, 118.

## General Index

- Knight, H. K., and Allen A. A. 'Duck Hawks of Taughannock Gorge.' XV, 1-8.
- Knowlton, Frederick H. 'A Talking Magpie.' IV, 97.
- Kopman, H. H. Seabird Colonies. IX, 233.
- Kuser, J. D. 'The Turkey Vulture in New Jersey.' XIV, 14.
- L-**
- Labrador, birds of. XV, 11.
- Lacey, Lottie A. 'Redpoll Linnets.' X, 10; 'A Winter Oriole,' XIV, 109.
- Lambert, Lillian. 'One of our Neighbors.' XIV, 210.
- Lampman, Archibald. 'Snowbirds' (poem). X, 50.
- Lark, horned. I, 152; II, 117; III, 54; VI, 6; IX, 174, 217; X, 130; XI, sleeping-place 75; XIV, 297.
- La Rue Holmes Nature Lovers' League. IX, 346; XI, 320.
- Laurent, Philip. 'Bird Notes from a Florida Porch.' VIII, 67.
- Laysan Island. VII, 303; XII, Japanese poachers at 90; XIV, 279.
- Lear, Henry. 'The Hermit Thrush' (poem). XIV, 149.
- Learned, Agnes M. 'A Bittern Study.' X, 106.
- Lee, Charlotte E. 'The Starling at Huntington.' XIII, 267.
- Lee, Faith C. 'Bird Rhymes' (poems—Ovenbird, Vireo). III, 140.
- 'Legend of the Salt.' I, 55.
- 'Legs and Feet of Birds.' VIII, 51.
- Lehman, Madam, a message from. I, 103.
- Lemmon, Isabella McC. 'Oliver Twist. Catbird.' I, 163; 'Two Young Hummingbirds.' II, 108; 'A Blue Jay Household.' VI, 89; 'A Strenuous Screech Owl.' VI, 133; 'Hummingbird Notes,' X, 126; 'Long Island Notes,' XIV, 291.
- Levey, W. Charlesworth. 'Rare Ducks Wintering near Boston.' XII, 145.
- Levy plumage-bill. XIII, 228.
- Lewis, Elizabeth Horrobin. 'The A B C of Bird-lore' (poem). III, 70.
- Lewis, Evan. 'Nesting Habits of the White-tailed Ptarmigan.' VI, 117; 'The Dippers in Colorado.' VIII, 10.
- Lewis, Harrison F. 'The Evening Grosbeak in Nova Scotia.' XV, 173.
- Lewis, Merriam G. 'A Woodcock's Nest.' XIV, 163; 'Song of the Carolina Wren.' XV, 175.
- Libby, Gretchen L. XII, work in California 129, 278.
- Libraries, Audubon. III, 182; V, circulating 72.
- Lico, N. 'Italian Bird-Protection.' IX, 158.
- Lincoln, Robert P. 'Bird Battles.' XI, 263.
- Lippincott, J. W. 'A Wayside Thrasher.' XIII, 246; 'Barn Swallows in Spring-time.' XV, 161.
- 'Literary Treatment of Nature.' VI, 172.
- 'Little Brown Creeper, The' (poem). I, 196.
- Lizards, as insect-catchers. VIII, 199.
- Logan, Harry B., Jr. 'Notes on the Purple Martin.' XIV, 246; 'Bluebirds in Minnesota.' XIV, 296; 'Friendly Birds.' XV, 322.
- Loockeck. See WOODPECKER, PILEATED.
- 'Loggerhead Shrike in Massachusetts.' V, 122.
- 'Lonely Tom—The Story of a Piñon Jay.' XII, 237.
- Long, W. J., estimated. IX, 132.
- Longspur, Alaska. XV, habits, 202.—chestnut-collared. XII, 240, 242.—Lapland. XII, 241, 243.—McCown's. XIII, 16, 17.—Smith's. XIII, 15, 17.
- Loon. I, 40; IX, 266; X, tame 171; XI, nesting 108; XV, 12.
- Lord, William Rogers. 'The Western Evening Grosbeak.' IV, 9.
- Louisiana. IX, reservations 230; conditions in 1907, 233.
- Love, Lawrence F. 'My Bluebirds.' IV, 67.
- Loveland, Clifton W. 'Experience with the Ruffed Grouse.' XIII, 304.
- Lucas, Frederic A. 'Concerning Birds' Tongues.' II, 5; 'Walrus Island.' III, 45; 'The Weapons of Birds.' IV, 182.
- Lundwall, Nelson. 'The Bobolink in Montana.' XII, 198; XV, 113.
- Lyle, Lizzie A. 'Wrens in our Garden.' XIV, 165.
- Lyman, Emily R. 'My Experience with a Blue-headed Vireo.' VIII, 123.
- Lyre-bird. XIII, decrease of. 66.
- M-**
- 'Machias Seal Islands.' XIII, 239.
- McClintock, Norman. 'A Successful Failure.' XI, 198; 'The Taming of a Great White Heron.' XII, 1.
- McIlwraith, Thomas; death of. V, 60.

## General Index

- McKinnon, Agnes. 'Blue Gray Gnatcatchers that moved their Nest.' X, 173; 'The Wit of a Florida Nighthawk.' X, 261.
- McLean bill. XIV, 175; XV, 68, 137.
- McLeod, C. G.; death of. XI, 51.
- Maddock, Emeline. 'A Thrasher Friend.' X, 253.
- Magdalen Islands, birds of. VIII, 43.
- Magpie. I, 96; XIV, 329.
- 'Magpie, A Talking.' IV, 97.
- 'Magpies of Culebra Creek.' XIV, 329.
- Maillard, Joseph. 'The California Quail.' XIV, 312.
- Maine Ornithological Society. IX, 65.
- 'Making Bird Friends.' V, 9.
- 'Mallard, The.' XI, 40.
- Mallee fowl. V, 3.
- Man-of-war bird. V, on Tortugas I, 83; IX, 257.
- Marsh, birds of a. IV, 43.
- Marshall, Mrs. E. O. 'Long Wings.' XV, 195.
- Martin, purple. V, killed by cold 165; VI, in Vermont 167; VII, construction of houses for 11, 17, 20; IX, colonizing 204; XI, 87, attracting 231; XII, 147, 231; XIV, 246, family life 275; XV, 178, family life 158.
- Martin, Isabel D. 'Black-throated Blue Warbler.' XIV, 110; 'The Evening Grosbeak in New Jersey.' XV, 174.
- Marx, Edward J. F. 'Moving a Robin's Nest.' XV, 245.
- 'Masquerading Chickadee, The' (poem). I, 77.
- Massachusetts Audubon Society's Bird-Lists. IV, 151; IX, 162; X, 181; XI, 169; XII, 191; XIV, 221, 226; XV, 225.
- 'Matins' (poem). I, 77.
- May, John B. 'Unusual Visitors to Massachusetts.' XIV, 226.
- 'May Morning, A.' I, 91.
- Maynard, Charles J. VIII, 70.
- Mead, E. M. 'Taming a Nuthatch.' III, 209.
- Meadowlark. VII, as national bird 181; XIII, destruction 121; XV, odd nest 113.
- 'Meadowlark, The' (poem). XII, 54.
- Mearns, Edgar A. 'The Newport Robin.' II, 118.
- Meat-bird. See JAY, CANADA.
- Meat-hawk. I, 76.
- Megapodes. V, 3, 7.
- Mengel, G. Henry. 'Winter Oriole.' XIV, 109.
- Menke, H. W. 'From a Cabin Window.' I, 14.
- Mercer, Bertron. 'Our Pioneer Tenants.' VII, 174.
- Merganser, American. XIII, 125.
- hooded. XII, 65.
- Merriam, C. Hart. XII, 158.
- Merriam, Florence A. See BAILEY, MRS.
- Merriam, J. H. 'John James Audubon.' IX, 1, 40.
- Merrill, Mrs. H. E. 'A pet Blue Jay.' XV, 169.
- Metcalf, E. I. 'Wren and Sparrow.' XII, 76.
- Metcalf, Rest H. 'The Starling in New Hampshire.' XIV, 113.
- Methods and uses of a research museum. XII, 202.
- 'Methods of Teaching Ornithology at Oberlin College.' II, 14.
- Mexico. VI, bird-protection in 174; VII, 67; VIII, 75; XII, birds of 83.
- Meyer, A. H. XIII, Affidavit of as to egrets in Venezuela 173; XIV, confession 68.
- Michigan Ornithological Club. V, 64.
- Migration. II, observations of, at night 113, 132; XII, data of in Biological Survey 70; how to teach 159; records, 1910, 164; XIV, how to teach 120; XV, 123.
- 'Migration in New Mexico.' X, 262.
- 'Migration of Flycatchers.' IX, 264; X, 16, 77, 114, 166, 210, 258; XI, 12.
- 'Migration of (and Plumage) N. Am. Sparrows.' XI, 254; XII, 12, 67, 111, 139, 197, 240; XIII, 15, 83, 144, 198, 202, 248, 298; XIV, 45, 98, 158, 218, 287, 345.
- 'Migration of Thrushes.' IX, 32, 76, 121, 166, 205.
- 'Migration of Vireos, The.' XI, 78, 118, 165.
- 'Migration of Warblers.' V, 188, 204; VI, 21, 57, 91, 130, 162, 199, origin of 206; VII, 33, 135, 140, 169, 203, 237, 275; VIII, 26, 61, 100, 134, 168, 203.
- 'Migration of Warblers from the Bahamas to Florida.' VII, 140. See also WARBLER.
- Migration-tables. I, fall 128; II, spring 156.
- Migratory Bird Law. XIV, 175; XV, 138, regulations for 231, 251, 272, 406, 407.
- Miller, Ansel B. 'Song Period of the Brown Thrasher.' XV, 311.
- Miller, Eliza F. 'Bluebird and Robin.' XIV, 230; 'Our Winter Guests,' XIV, 333; 'Shrike and Chickadee,' XV, 179.

## General Index

- Miller, Emma L. 'My Robin' (poem). XV, 393.  
 Miller, E. S. 'Evening Grosbeaks in the White Mts.' XV, 174.  
 Miller, Olive Thorne. 'On the Ethics of Caging Birds.' I, 89; 'The Study of Birds—Another Way.' II, 151.  
 Miller, W. De Witt. 'An Owl Tragedy.' IX, 173; 'A Plea for the Sharp-Shinned Hawk.' XI, 190; 'Notes of the Hermit Thrush.' XIII, 99; 'Problems in the Local Distribution of Birds.' XV, 376.  
 Millinery Merchants' Protective Association. II, 93; agreement with 98; editorials on 127, 128.  
 Mills, Herbert R. 'Hooded Merganser in a Chicago Park.' XII, 65.  
 Mills, Sandford. 'Leucosticetes making Cliff Swallows' Nests their Night Abode.' XIV, 170.  
 Mink destroying swallows, V, 151.  
 Mirror, use of in examining nests. XIII, 73.  
 'Mr. Flicker writes a Letter' (poem). I, 129.  
 Mockingbird. II, 70; III, 192; VI, wintering in New York 67, 134, 166, singing 185; VIII, 190; X, family life 201; XI, attacking young orioles 175, habits 274; XIII, in Connecticut 97; XIV, nesting in Rhode Island 310; XV, 243, family life 307.  
 Molting, process of. V, 156.  
 Montgomery, T. H. 'Bird Course at Wood's Hole,' II, 153; 'Amount of Science in Oology.' VIII, 95.  
 Moody, Charles S. 'An Aerial Gymnast.' XI, 252; 'Nesting of Hepburn's Rosy Finch.' XII, 108.  
 Moon, T. J. 'Photographing a Kingfisher Interior.' XIII, 154.  
 Moore, M. Harry. 'A Little Blue Heron on Rookery.' X, 163.  
 Moore, Willie H. 'Notes on the American Golden-eye.' II, 157.  
 Moose-bird. See JAY, CANADA.  
 'More Tales of the Birds.' IV, 163.  
 Morgan, Albert. 'Two Warbler Photographs.' XI, 206; 'A Bird Apartment-House.' XV, 155.  
 Morison, Fred T. 'The Crow.' IV, 31.  
 Morris, Robert T. 'The Woodcock's Song.' XI, 124; 'Kingbirds eating Sassafras Berries.' XIV, 354.  
 Morse, Susan M. 'King Cole: a Biography.' VI, 155.  
 'Mortality among Birds.' X, 124.  
 Morton, H. McL. 'The Destructive Effects of a Hail-storm on Bird-Life.' IV, 143.  
 Moth, brown-tailed. XI, 187.  
 Motmot, Mexican. VII, 157.  
 'Mound-building Birds of Australia.' V, 3.  
 Mountain Quail. See PTARMIGAN, WHITE-TAILED.  
 'Mounted Birds in Illustration.' V, 28, 35.  
 Murdoch, Marion. 'The Hermit Thrush' (poem). XI, 153.  
 Murphy, R. C. 'A Winter Flight of Vesper Sparrows.' IX, 173; 'Breeding of the Pine Warbler.' XIII, 187.  
 Murray, Aaron Eugene. 'System in Field Records.' V, 125.  
 Murres. III, at Walrus Island 46; X, at Bird Rock 242; XV, 13.  
 'Must Wrens be taught Nest-building?' XII, 181.  
 'My Bird Restaurant.' III, 207.  
 'My Bluebirds.' IV, 67.  
 'My Chickadee Family.' VIII, 6.  
 Myers, Harriet, W. 'The Hanging Home in the Oak Tree.' XI, 209.  
 'My Experience with a Blue-headed Vireo.' VIII, 123.  
 'My Experience with a Red-headed Woodpecker.' II, 155.  
 'My Exploit with a Crossbill.' II, 193.  
 'My Robin' (poem). XV, 393.  
 'My Robin Neighbors.' III, 108.  
 'Myrtle Warbler Nest, A.' XIV, 15.  
 'Mystery, The, of the Black-billed Cuckoo.' V, 143.  
 'My Summer Tenants.' XII, 95.  
 'Myth of the Song Sparrow' (poem). I, 59.

### —N—

- Names for American birds. X, 20, 78, 122, 220; XIII, 103.  
 National Association of Audubon Societies. VI, incorporation proposed 140; VII, representative bird for 35. (also 139, 181); needs and aims 39, report for 1904, 43, progress 182, annual meeting 1905, 250, 288, report 295; VIII, legislation, 110, 142, 144, annual meeting 1906, 217, IX, Willcox bequest 52, annual meeting, 1907, 282; X, annual meeting, 1908, 274, 277; XI, annual meeting 1909, 278; XII, annual report 263; XIII, new organization 59. Junior work (see under AUDUBON) 60, new office 119, offer of \$25,000 to, 212, 217, annual meeting, 1910, 327;

## General Index

- National Association of Audubon Societies—*Continued.*  
 XIV, resources 361; annual meeting, 1911, 380; XV, annual meeting, 1912, 398.
- National Committee of Audubon Societies. IV, organization 104; VI, program 35, work done 74, 105, 140, 174.
- National Conservation Commission. XI, 48.
- Natural history, tendency to humanize in. VI, 32.
- Nature-study. XIII, importance in school, 264; XV, methods in 51.
- Nature-Study Conference, The. XIII, 315.
- Nature Study Society, American. X, 137.
- Nauman, N. D. 'A Tragedy Narrowly Averted.' XIV, 294.
- Needham, James G. 'Kinglets captured by Burdocks.' XI, 261.
- Nelson, Edward W. 'Emperor Goose.' XV, 129; 'Alaska Longspur.' XV, 202.
- Nelson, (Mrs.) Henry W. 'A Pair of Killdeer.' II, 148.
- Nest, study of young in. V, 94.
- Nest-boxes. VII, how to make 5, 11; for observation of interior 9; for martins 11, 17; use of hollow logs for 18.
- 'Nest-building in August.' X, 214.
- Nest-holder, a useful. I, 197.
- 'Nesting-boxes.' VII, 5; XIV, von Berlepsch 1-12.
- 'Nesting Habits of the Oregon Junco.' XIV, 212.
- 'Nesting Habits of the White-tailed Ptarmigan.' VI, 117.
- 'Nesting Habits of the Wood Pewee.' XI, 154.
- Nesting of birds; characteristic habits V, 25.
- 'Nesting of the Indigo Bunting.' V, 87.
- 'Nesting of Hepburn's Rosy Finch.' XII, 108.
- 'Nesting of the Arctic Three-toed Wood-pecker.' VIII, 158.
- 'Nesting of the Red-cockaded Wood-pecker.' XI, 265.
- 'Nesting of the Ruby-crowned Kinglet.' V, 52.
- 'Nesting of the Yellow-throated Vireo.' IV, 120.
- 'Nesting of the Whippoorwill.' XIII, 235.
- 'Nest in the Gutter, The.' X, 72.
- 'Nest within a Human Skull, A.' VIII, 211.
- Nests, loss of among birds. XIII, 183.
- Nests of birds: A study of. XV, 190.
- Newburgh, (N. Y.) Bird-club. II, 120.
- 'New Departure for the Redwing. A.' XII, 60.
- Newkirk, Garrett. 'Robin Rejoice' (poem), I, 95; 'Mr. Flicker Writes a Letter' (poem), I, 129; 'The Little Brown Creeper' (poem), I, 197; 'The Wood Thrush' (poem), III, 85; 'Song of the Whippoorwill' (poem), III, 107; 'The Wood Thrush and the Whippoorwill' (poem), IV, 85; 'The Nuthatch Brothers' (poem). XIV, 311.
- New York, conservation law of. XIV, 197.
- New York plumage-law. XII, 128.
- New Zealand. V, birds of 114, bird-protection in 173.
- Nichols, John T. 'Around the Horn for Petrels.' IX, 245; 'Pacific Coast Shore Birds.' XI, 10; 'Bird's-eye View of a Paris Park.' XII, 198; 'Starling Imitating-notes of the Wood Pewee.' XIII, 98; 'Towhees Wintering at Englewood, N. J.' XIII, 305; 'Sparrows on Long Island.' XV, 376.
- Nighthawk. I, 114; III, tameness 127; IV, 114; X, economic value 150, 261.  
 —western. V, nesting 43.
- Nightingale. XIII, song-season 98.
- Nightingale, Nina. 'My Exploit with a Crossbill.' II, 193.
- Noble, Floyd C. 'A February Walk.' I, 57.
- Noddy. See TERN, NODDY.
- Nonpareil. XIV, 61.
- North Dakota Audubon Society. XV, 119.
- 'North Dakota Slough, A.' V, 146.
- 'Note on the Economic Value of Gulls.' II, 10.
- 'Notes on Alberta Grebes.' XI, 241.
- 'Notes on Attracting Birds.' XII, 175.
- Notes, keeping of. XIII, 203.
- 'Notes on Holbell's Grebes.' XV, 293.
- 'Notes on the Nesting of the Lawrence's Warbler.' VI, 131, 138.
- 'Notes on the Plumage of N. A. Sparrows.' XII, 16, 71, 113, 142, 197, 243.
- 'Notes on the Ruby-throated Hummingbird.' III, 14.
- 'Notes on the Varied Thrush.' X, 213.
- 'Not of a Feather' (poem). VIII, 130.
- Nuthatch, red-breasted. V, 9; VIII, flocking on Long Island 210; IX, at sea 126, 174; XIV, habits 318, 334.  
 —white-breasted. I, 24; III, taming 209; IV, 159; V, III, nest 196; VI, verse 184; IX, 115, tame 218; XIV, habits 316.
- 'Nuthatch's Nest, A.' V, 196.
- Nuttall Club, history. IV, 12.

## General Index

### —O—

- Observation nest-box. VII, 9.  
 Observation of birds. III, 202, 203.  
 'Observations in a Laughing Gull Colony.' XIV, 204.  
 Observations; methods of recording. II, 19; III, 203.  
 'October Bird Music.' VI, 153.  
 'October and Preparations for Winter.' IX, 224.  
 Odor of Hawaiian birds. III, 156.  
 Okefenoke Swamp; birds of. XIV, 402.  
 Oldberg, Mrs. Oscar. 'Destructiveness of Cats.' XII, 150.  
 Old Man (Island). XV, 213.  
 'Olive-sided Flycatcher, The.' VII, 195.  
 'Oliver Twist, Catbird.' I, 163.  
 Olmstead, Rett E. 'The Whip-poor-will.' VI, 54; 'The Little Green Heron,' VIII, 12.  
 Omaha, protection-work in. V, 138.  
 Omao, a Hawaiian thrush. III, 124.  
 O'Neal, R. J. 'A Word for the Cow-bird.' XI, 214; 'A Balloon Bird,' XIII, 194.  
 'On Journal Keeping.' IV, 175.  
 'One Little Hummer and I.' XIV, 147.  
 'One of our Neighbors.' XIV, 210.  
 'On the Ethics of Caging birds.' I, 89.  
 Oo, the, lingers in Hawaii. III, 124.  
 'Oology, The Amount of Science in.' VIII, 95; discussed 169, 206; IX, 35, 37, 40, 78, 125.  
 'Orchard Oriole, The.' XII, 44.  
 Orientation of Birds, The. II, 101, 141.  
 'Origin of Dick Cissel' (poem). II, 88.  
 Origin of Species, The. III, 78.  
 Oriole, Baltimore. II, 118; VI, repairing old nest 134; IX, 134, poem 137; XI, young fed by male 129; XIV, wintering 109; XV, 174.  
 —Bullock's. XI, 174.  
 —orchard. XII, habits 44.  
 'Orizaba Group in American Museum.' XIV, 97.  
 Ornithological Congress. VII, fourth international 168, 214; XII, fifth 167.  
 Ornithological progress in 1910. XIII, 8.  
 'Ornithologists, Some Early American.' VII, Catesby 126, Bartram 162, Barton 193, Wilson 265.  
 Ornithologists' Union. See AMERICAN; BRITISH.  
 Ornithology. II, teaching at Oberlin 14; progress of in 1900, 199; 'scientific' versus 'popular,' 36; history, XIV, 141.  
 'Ornithology, The Background of.' X, 68.

- Osgood, Fletcher. 'The So-called Sparrow-war in Boston.' I, 137.  
 Osprey. See HAWK, FISH.  
 'Ostrich, The.' VII, 154.  
 Ou, the, in Hawaii. III, 123, 153.  
 'Our Avian Creditors.' VII, 223.  
 'Our Blue Jay Neighbors.' III, 50.  
 'Our Doorstep Sparrow.' I, 20.  
 'Our Duty to our Bird Tenants.' XI, 191; XII, 79, 116.  
 'Our Garden Mockingbird.' VIII, 190.  
 'Our Pioneer Tenants.' VII, 174.  
 'Our Robin's Nest.' VIII, 66.  
 'Our Winter Guests.' XIV, 333.  
 Ouzel, water. See DIPPER.  
 Ovenbird. III, poem, 140; VIII, 100.  
 Owl, Acadian. See OWL, SAW-WHET.  
 —barn, V, nesting 47; VII, economic value 186; XII, nesting 223; XV, food 245.  
 —barred. III, in Bronx Park 110; IX, frozen to nest 170; X, economic value 14, family life 99; XIV, nesting 87.  
 —burrowing. XIV, albino 184.  
 —horned. XI, 265; XV, killing skunk 369.  
 —long-eared. VI, nesting 18; IX, 83, 128; XV, family life 285.  
 —Richardson's. I, in captivity 190.  
 —saw-whet. I, 182; III, breeding of 55; XI, 266.  
 —screech. II, food 59; VI, habits 133, economic value 178; XI, lure for cows 4; XIII, tame 194; XIV, 229, 231.  
 —short-eared. VI, economic value 218.  
 'Owls, A Family of Great.' X, 99.

### —P—

- 'Pacific Coast Shore Birds.' XI, 10.  
 Page, Laura G. 'Swallows and Feathers.' II, 80.  
 'Pair of Killdeer, A.' II, 148.  
 Palmer, William M. 'The Pine Siskin at Trenton, N. J.' XIV, 163.  
 Palmer, Samuel C. 'Taming a Red-eyed Vireo.' VI, 134.  
 Palmer, Theodore S. 'Fundamental Principles of Bird Laws.' III, 79; 'Bird-protection in Japan.' VI, 139; 'The Record of 1910.' XIII, 8.  
 Palmer, Winifred H. 'One Little Hummer and I.' XIV, 147.  
 Parakeet, Carolina. VII, 128.  
 Parrots, of New Zealand. V, 118.  
 Parson-bird. V, 119.  
 Parsons, Katherine S. 'Our Robin's Nest.' VIII, 66.

## General Index

- 'Pasture Tragedy, A.' VII, 197.  
 Patrol-boat 'Grebe.' X, 54.  
 Payne, J. B. 'Bird Surgery.' IX, 268.  
 Peabody, P. B. 'Richardson's Owl.' I, 190; 'How a Marsh Hawk Grows.' II, 43; 'Saw-whet Homes.' III, 55; 'Breeding of the American Crossbill.' XII, 3.  
 Peake, Elmore E. 'A Sensible Cardinal.' VI, 205; 'Taming a Robin.' VI, 205.  
 Pearson, T. Gilbert. 'The Cormorants of Great Lake.' VII, 121; 'Florida Bird Notes.' IX, 61, report 300; 'Mortality Among Birds.' X, 124; annual report X, 284; 'Nesting of the Red-cockaded Woodpecker.' XI, 265; 'The Mockingbird.' XI, 274; annual report, XI, 289; 'The Robin.' XII, 206; 'The Chimney Swift.' XIII, 115; 'Elk Starving in Wyoming.' XIII, 120; 'Levy Plumage Bill.' XIII, 167; 'Save the White Herons.' 172; 'The New Georgia Law.' XIII, 273; 'The Montclair Killing.' XIII, 274; 'The Flocking Problem.' XIII, 275; 'A Petrel-killing Dog.' XIII, 276; 'Aigrette Traffic.' XIII, 277; reports, XIII, 60, 334; 'The White Egrets.' XIV, 62; 'Birds and the Recent Snowstorm.' XIV, 131; 'Bird-Famine Relief-work.' XIV, 133; 'Florida.' 191; 'Captain Davis.' XIV, 254; 'Florida Audubon Society.' XIV, 257; 'James Buckland.' XIV, 320; Secretary's report, XIV, 383; 'Weeks-McLean Law.' XV, 137; 'The Elk Situation.' XV, 141; 'Prohibit Feather Importations.' XV, 145; 'Green Heron.' XV, 198; 'A Great Year for the Birds.' XV, 207; 'Brown Thrasher.' XV, 264; 'The Feather Proviso.' XV, 273; 'Regulations Under Weeks-McLean Law.' XV, 274; report, XV, 405.  
 'Peculiarity of a Caged Skylark, A.' I, 157.  
 Pelican, brown, slaughter of. I, 169; III, 3; VII, 148; XIV, on Long Island 226.  
 —white, VIII, 338; XIV, 297.  
 Pelican Island. V, made a reservation 73; VIII, in 1905, 148; IX, 52.  
 'Pelican Island Revisited.' III, 3.  
 Pellett, Frank C. 'Boxes that Provide no Nesting-Material.' XIII, 79; 'Birds that Nest at Tamakocche.' XV, 305.  
 Pennington, F. A. 'Winter Birds in Chicago.' X, 264; 'Bohemian Waxwings and Evening Grosbeaks in Chicago.' XIII, 305.  
 Pepoon, H. S. 'A Chicago Bird-list.' XIII, 252.  
 Pepper, William. 'A Myrtle Warbler's Nest.' XIV, 15.  
 Perkins, Anne E. 'A Confiding Red-eyed Vireo.' XIII, 205; 'Notes from Collins.' XIV, 225.  
 Perkins, Edward H. 'The Common Names of N. A. Birds.' X, 78; 'Pine Warbler and House Wren.' XIV, 166.  
 Peter, Julius C. 'Notes on the King Rail.' XIII, 251.  
 Petrel, Leach's. VIII, caught at sea 89; XII, disturbed by cats 261; XIII, nesting 243, killed by dogs 276.  
 Petrels. IX, at Cape Horn 245.  
 Petry, Loren C. 'Albino Flickers.' X, 120; XI, 120.  
 Pewee, wood. III, in winter 33; VI, bad nest-site 168; X, migration 168; XI, nesting 154.  
 —western wood. V, at Lake Tahoe 154; X, migration 170.  
 'Phalarope, Feeding Habits of the Northern.' VII, 273.  
 Pheasant, European. V, 178.  
 Philippines; bird-protection in. IX, 59.  
 Philipp, P. B. Report on Bird Island, Fla. XIII, 358.  
 Phillips, Charles L. 'Black Tern at Martha's Vineyard.' XV, 370.  
 Phillips, George G. 'Five Little Waxwings.' XV, 218.  
 Phillips, John C. 'Notes on Attracting Birds.' XII, 175.  
 Phœbe. I, story of 130; nest 197; IV, 95; V, nesting 198, 199; VI, nest 68; VII, odd nest 144; IX, 83; X, migration 210; XIV, nesting 269; XV, albino 376.  
 —Say's. X, 211.  
 'Phœbe, A Bewildered.' III, 85.  
 'Photographing a Bluebird.' I, 43; Ditto, 'by reflected light.' VIII, 92.  
 'Photographing a Robin.' II, 41.  
 'Photographing a Ruffed Grouse.' XII, 11.  
 'Photographing Kingfishers in Flight.' XII, 233.  
 'Photographing Ptarmigan.' II, 160.  
 'Photographing Shy Wild Birds.' I, 107.  
 'Photographs from Alberta.' XI, 108.  
 Photography of birds. I, 6, 26, 35, 44; II, 37; III, 179, 194; IV, Herrick's method 101; V, value of the photograph from life 28, 35; VIII, 1, 138;

## General Index

- Photography of birds—*Continued.*  
 X, uses of a blind 250; XI, form of blind 71, outfit 101-107; NV, criticism 50.
- Pictures of birds. IX, faults in, 73.
- Pigeon, carrier. In French army. II, 101, 141.  
 —domestic. IV, pugnacity 183.  
 —passenger or ‘wild.’ V, habits 210;  
 XII, reward for breeding pair 52;  
 last survivor 261; XV, character-  
 istics and history 77-103.
- Pileated Woodpecker, The.’ XII, 57.
- Plath, Karl. ‘The Tropic-birds of Bermuda.’ XV, 345.
- Play, as exhibited by birds. V, 129.
- ‘Plea for the Sharp-shinned Hawk.’  
 XI, 190.
- ‘Pleasant Acquaintance with a Hum-  
 mingbird.’ I, 155.
- Plover, spur-winged. IV, 183.  
 —upland. IX, food 84.
- Plovers, as migrants in Hawaii. III,  
 119.
- ‘Plumage of N. A. Sparrows.’ XIII, 17,  
 89, 147, 249, 300; XIV, 47, 105, 162,  
 218, 290.
- Plumages, successive. V, 156, 160.
- Plume-hunters arrested. XV, 276.
- Plume-trade, horrors of. VI, 38; sales  
 in 1906, VIII, 218.
- Poems, suited to Bird-day. XIII, 108-  
 114.
- Pope, Alexander. ‘Nest-building in  
 August.’ X, 214.
- Porto Rico. XIV, bird-protection 73.
- Posting of bird-laws. V, 205.
- Post Office assisting bird-protection.  
 II, 65.
- Potter, Julian K. ‘Redheaded Wood-  
 pecker at Camden, N. J.’ XIV, 216.
- Prairie Chicken. XV, 291.
- ‘Prairie Horned Lark, The.’ I, 152.
- Pratt, Alice A. ‘Birds of Little Elk  
 Canyon.’ XIV, 168.
- Prentice, M. H. ‘A Pasture Tragedy.’  
 VII, 197.
- Preserve, made by uniting adjoining  
 farms. III, 115.
- Prime, Wendell. ‘Bird-Life of a Swiss  
 City.’ VI, 191.
- Princehorn, A. L. ‘Photographing a  
 Robin.’ II, 41.
- Pring, Anita. ‘Our Bobs.’ VI, 166.
- ‘Promise of the New Year.’ XIII, 49.
- Ptarmigan, white-tailed. II, 169; III,  
 nesting 209; VI, nesting 117, photo-  
 graphing a, 119.  
 —willow. XIV, habits 376.
- Ptarmigans. II, molting 175, destruc-  
 tion 204.
- Pterodactyl, wing of. VII, 259.
- Puffin, Arctic. XIII, 240.  
 —tufted. XV, habits 268.
- ‘Purple Martin Colony, A.’ XV, 158.
- Pynchon, W. H. C. ‘Every-day Study  
 of Birds.’ II, 19.
- Pyrrhuloxia sinuata. XV, 171, 172.
- Q—
- Quail, California. XIV, habits 312.
- Quillaree (wood thrush). IV, 130.
- R—
- Rail, Carolina. IV, 48.  
 —black. IV, 53; VIII, in Massachu-  
 setts 136.  
 —king. XIII, 251.  
 —Virginia. IV, 47; XIII, 285.
- Randolph, Harriet. ‘English Sparrows  
 and Electric Lights.’ IX, 126.
- ‘Rare Ducks Wintering near Boston.’  
 XII, 145.
- Raven. III, 196; X, 196.
- Razor-bill. See SKIMMER, BLACK.
- ‘Reasons Why International Bird Pro-  
 tection is Necessary.’ XII, 169.
- ‘Recognition Marks of Birds.’ III, 187.
- Redfield, Alfred C. ‘A Crow Study,’  
 XI, 114; ‘A Yellowthroat Family,’  
 XIII, 195; ‘Photographing a Virginia  
 Rail.’ XIII, 285; ‘The White-eyed  
 Vireo.’ XIV, 153.
- ‘Red-headed Woodpecker, The.’ XII,  
 86.
- ‘Red-headed Woodpecker, at Camden,  
 N. J.’ XIV, 216.
- Redpoll. III, 197; X, 10; XI, 8, 121,  
 122, 124; XIV, 334.
- Redstart. V, 189.
- ‘Red-winged Blackbird, The’ (poem).  
 XI, 76.
- ‘Redwings going to Roost.’ XI, 176.
- Reed, Chester A., death of. XV, 50.
- Reed, Elizabeth A. ‘Protecting Young  
 Birds from Cats.’ X, 215.
- ‘Reedy Island Crow-roost.’ I, 177.
- Regent-bird. II, 138.
- ‘Reminiscences of Audubon.’ XI, 262.
- ‘Replacing a Fallen Swift’s Nest.’ XII,  
 143.
- Reservations for birds. III, desirable  
 for song-birds 114; VII, made in 1905  
 299; VIII, history in 1906 240; IX, 6,  
 230; X, 57, 95, federal regulation 226;  
 XI, list to 1909 297; XIV, further list  
 358.
- Battledore Island. X, 187.

## General Index

Reservations for birds—*Continued.*  
 —Breton Island. X, 229; XII, 280.  
 —Dry Tortugas. X, 142.  
 —Farmington Mountain. X, 191.  
 —Forrester Island. XV, 403.  
 —Key West. X, 233.  
 —Klamath Lake. X, 231; XI, 188;  
     XII, 50; XIII, 331.  
 —Lake Malheur. X, 236.  
 —Michigan. VIII, 37.  
 —Mosquito Inlet. X, 186; XI, 52.  
 —New Mexico. X, 56.  
 —Njoberara. X, 142; XV, 138.  
 —Old Man Island. XI, 230.  
 —Pacific Coast. IX, 291, 292; X, 152;  
     XV, 435.  
 —Pelican Island. V, 73; XII, 50.  
 —Pulpit Rock. XII, 51.  
 —St. Lazarus Island. XIV, 419.  
 —Timbalier Island. X, 231.  
 —Willow Island. X, 189.  
 'Return of the Snowy Heron.' X, 160.  
 'Rev. Mr. Chickadee, D.D., The.'  
     (poem). II, 193.  
 Reynaud, Gabriel. 'Orientation of  
     Birds.' II, 101, 141.  
 Rhoads, Samuel N. 'The Delaware Val-  
     ley (Bird) Club.' IV, 57.  
 Rice, James H. XIV, report 398; XV,  
     425.  
 Rice, Mell. 'A Young Oriole's Experi-  
     ence.' XI, 175.  
 'Richardson's Owl.' I, 190.  
 Ridgway, Robert. 'Song-birds in Europe  
     and America.' II, 69.  
 Ringwalt, Vanchie A. 'Our Winter  
     Boarders.' XV, 173.  
 Ritter, Paula J. 'Blue Jay Boarders.'  
     XI, 212.  
 Road-runner. XV, as a pet 324.  
 Robbins, Samuel D. 'Feeding Birds in  
     Winter.' VIII, 171.  
 Roberts, Thomas S. 'The Camera as an  
     Aid in the study of Birds.' I, 6, 35;  
     'A Catbird Study.' 87; 'The Yellow-  
         headed Blackbird.' XIV, 250.  
 Robin. I, song 150; II, 41; The New-  
     port 110; a Yonkers 119, an albino  
     120; III, nesting 100; IV, wintering  
     in Massachusetts 198; V, defence of  
     nest 133; VI, method of balancing  
     204; VII, nesting in trays 2, late nest-  
     ing 143; VIII, decorated nest 66, pro-  
     tection of in the South 76, using ori-  
     ole's nest 103, breeding habits 126;  
     IX, destroying fruit 57, migrations  
     76, seeking human help 116; X, 83,  
     shot in Alabama 96, late nesting 214;  
     XII, albino 7, habits 206, slaughter in

winter 208; XIII, protection for 60,  
 wintering in New England 297; XIV,  
 speed in migration 57, winter records,  
 110, 111, 116, 124, protection, 131,  
 slaughter 140, wintering 166, 231, 353,  
 354; XV, in England 177, nest moved  
 245, conquered by sparrows 246; nest-  
 building 310, injured 372, behavior of  
 fledglings 372.  
 —St. Lucas. IX, 166.

'Robin Rejoice' (poem). I, 95.  
 Robins, Mrs. Edward; death of VIII,  
     142.

Robinson, Mildred A. 'A February  
     Walk.' I, 94.

Roe, Mrs. F. W. 'Some Familiar  
     Florida Birds.' VI, 185; 'Our Garden  
     Mockingbird.' VIII, 190; 'The Ways  
     of Bob-White.' XI, 249.

Rogers, John M. 'When the Ruffed  
     Grouse Sleeps.' XIII, 54.

Roosevelt, Theodore. I, letter approv-  
     ing Audubon work 65; II, signing  
     Hallock bill, 98; XII, list of birds  
     in the White House grounds 53.

'Roosevelt, President and Bird Protec-  
     tion' (letters). VI, 147.

Root, Francis M. 'The Woodcock and  
     its Nest.' XV, 220.

Rowley, John. 'A new Camera for Bird-  
     photographers.' II, 37.

Ruby-throat. See HUMMINGBIRD.

'Ruffed Grouse, A Tame.' VI, 81.

Russell, Harold J. 'Nest-moving.' XI,  
     176.

### —S—

Sage, Mrs. Russell. Contributions by.  
     XII, 167, fund for Junior Work 267;  
     XIII, 60, 339; XIV, 388.

St. John, Edward P. 'Mockingbird  
     Wintering in Connecticut.' XIII, 97.

St. John, Morgan. 'February Birds,'  
     II, 23.

'St. Valentine's Day, A Tragic.' I, 45.

Sandpiper, least. XIII, 269.

—semipalmated. XIII, 269; XIV, 227.

—solitary. XI, nesting 109.

—spotted. XIII, habits 221; XV, nest  
     223.

'Sapsucker, The' (poem). IV, 123.

Sass, Herbert R. 'The Return of the  
     Snowy Heron.' X, 160.

Satin-bird. II, 135.

## General Index

- Saunders, Aretas A. 'Habits of the Black Vulture in Nicaragua,' VIII, 165; 'The Growth of young Black-billed Cuckoos,' X, 205; 'Wilson's Snipe and its Nest,' XIV, 170. 'Saw-whet Homes,' III, 55. (See OWL).
- Sawyer, Edmund J. 'The Drumming of the Ruffed Grouse,' X, 246; 'The Comradeship of Redpolls,' XI, 8; 'A Special Bird-Blind,' XI, 71; 'Courtship of Black Ducks,' XI, 195; 'Tracks in the Snow,' XIII, 12; 'A Commonsense Bird-box,' XII, 77; 'Wing-bars as Field-marks,' XII, 178; 'The Black-billed Cuckoo at Home,' XII, 131.
- Schaeffer, J. Parsons. 'Do Snakes Charm Birds?' VIII, 137.
- Schippang, A. H. 'A Strange Friendship,' X, 79.
- Schreck, John M. 'Notes on Alberta Grebes,' XI, 241; 'The Least Flycatcher,' XII, 148.
- Schreiman, Ferdinand. 'Purple Martins Increasing,' XII, 147; 'The Purple Martin,' XV, 178.
- Schroeder, L. H. XII, 135.
- 'Screech Owl's Valentine, The' (poem). IV, 196.
- Scrub-fowl. V, 7.
- Scully, Charles A. 'The Starling in Philadelphia,' XIV, 113.
- Seabird colonies on Gulf coast, IX, 233. 'Sea Birds and Whalers.' X, 260. 'Sea Birds as Homing Pigeons.' X, 123. 'Sea Birds' Fortress, The.' X, 237.
- Seaman, Ernest. 'Balancing Robins,' VI, 204.
- Sefton, H. L. 'A Southern California Aviary,' IX, 147.
- Selby, Maud J. 'Ezekiel,' XIV, 154.
- Selleck, George H. 'Night-hawk Notes,' IV, 114; 'A Horned Owl Record,' XI, 265.
- Seton, Thompson Ernest. Verse on aigrettes, II, 166; 'Recognition Marks of Birds,' III, 187; 'On Journal Keeping,' IV, 175; 'Black Tern at Home,' VI, 1; 'How to Study a Bird,' VI, 181; 'The Hollow Tree,' XI, 1.
- Sharpe, Bowdler. XII, death 41.
- Sharples, R. P. 'Trustful Birds,' X, 80; 'Nature's Remedies,' 83; 'Are the Birds growing less Abundant?' XI, 263. 'Sharp-shinned Hawk, The.' XI, 94, 233. 'Sharp-tailed Grouse in Manitoba.' XV, 291.
- Sherman, Althea R. 'The English Sparrow and Bird-boxes,' XI, 217; 'An Acre of Birds,' XII, 230; 'The Keeping of Notes,' XIII, 203; 'A Vireo Tragedy,' XIII, 205; 'Relative Number of Birds in 1912,' XIV, 347.
- Shore-birds. III, as migrants in Hawaii, 119; VIII, destruction of 235. Shrike, great northern. II, in captivity 195; XIII, hunting 292; XIV, 352; XV, 179.
- Shrubs, for attracting birds. IV, 72; VII, 149.
- Sieber, R. R. 'Late Stay of Evening Grosbeaks.' XII, 147.
- 'Sierra Nighthawk's Family, A.' V, 43. Silver-eye. V, 116.
- Silz case; court ruling on, VIII, 72.
- Simplified spelling in ornithology. XII, 120, 121, 203.
- Siskin, pine. II, 118; VIII, 211; XI, 124; XII, 139, 142; XIII, courtship 205; XIV, 163, 335; XV, in South Carolina 310.
- Skimmer, black. I, 81; V, on Cobb's Island 110.
- Skinner, Alanson. 'Bird-Life on the Everglades,' XIII, 288.
- Skylark. I, 157; VI, near New York 205; IX, 217.
- 'Skylark, Pro Tem.' X, 123.
- Slosson, Annie Trumbull. 'A Tragic St. Valentine's Day,' I, 45; 'A Sudden Friendship,' III, 94.
- Smith, Bertha B. 'Mockingbird nesting in Rhode Island.' XIV, 310.
- Smith, Laura E. 'The Golden-crowned Kinglet' (poem). XII, 244.
- Smith, Theodore C. 'A Hermit Thrush Song.' V, 84.
- Smith, Wilbur F. 'Carolina Wren at South Norwalk, Connecticut,' V, 163; 'Blue Jays at Home,' VII, 268; 'Photographing a Red-tailed Hawk's Nest,' VIII, 138; 'The Value of the Starling,' X, 79; 'The Friendly House Wrens,' XIII, 135; 'A Strange Partnership,' XIII, 304. 'Prothonotary Warbler,' XIV, 100; 'Notes from South Norwalk,' XIV, 114; 'An Eagle Story,' XIV, 228.
- Snakeskins in nests. V, 90.
- Snipe, Wilson's IV, 45; XIV, nesting 170.
- Snow-bird, blue. See JUNCO.
- 'Snowbirds' (poem). X, 50.
- Snowflake, X, 47. See BUNTING, SNOW.
- Solitaire, Townsend's. IV, 182; IX, 205.

## General Index

- 'Some Bird Acquaintances.' IX, 114.  
 'Some Bird-Notes from the Magdalens.' VIII, 43.  
 'Some Bird Orphans.' XII, 135.  
 'Some Familiar Florida Birds.' VI, 185.  
 'Some Fundamental Principles of Bird Laws.' III, 79.  
 'Some Notes on the Psychology of Birds.' V, 127.  
 'Some Pros and Cons of Winter Feeding.' XII, 204.  
 'Song-birds in Europe and America.' II, 69.  
 'Song of the Whip-poor-will' (poem). III, 107.  
 'Song Sparrow, The' (poem). III, 58.  
 'Song Sparrows, The.' X, 90.  
 Songs of warblers, classified. VIII, 64.  
 Sora, See RAIL, CAROLINA.  
 Soule, Carolina G. 'Humanizing the Birds.' I, 193; 'A Hummingbird Experiment,' II, 158; 'The Blue Jay as a Destroyer.' VIII, 210.  
 'Southern Illinois Lunch Counter, A.' X, 255.  
 Sparrow. Baird's. XII, 12, 18.  
     —Belding's. XIII, 146, 147.  
     —Bell's. XV, 242.  
     —black-chinned. XIV, 105, 106.  
     —black-throated. XV, 236, 242.  
     —Brewer's. XI, 260; XII, 17.  
     —chipping. I, 20, tamed 21; XI, 256; XII, 16; XIII, family life, 253.  
     —clay-colored. XI, 259; XII, 17.  
     —English. See Sparrow, European.  
     —European. I, war against 137, 21; VII, 8, 17, 21, robbing nests 176; VIII, a raider 67, distribution 137; IX, 84, using electric lights 126, trapping of 211, notes on 214, combatting 269; X, robbing a robin 175; XI, in oriole's nest 174, 217; XII, eats inch-worms 144; XV, problem of 178, 278.  
     —field. XI, 258; XII, 17.  
     —fox. VIII, nest 47; XV, 104, 108.  
     —golden-crowned. XV, 303-304.  
     —grasshopper. XII, 12, 18.  
     —Harris's. XV, 301, 304.  
     —Henslow's. X, 111; XI, 14; XII, 18; XV, 375.  
     —Ipswich. XIII, 144, 148.  
     —large-billed. XIII, 146, 147.  
     —lark. XIII, 84, 89.  
     —Leconte's. XII, 14, 18.  
     —Lincoln's. II, 109; XV, 236, 241.  
     —Nelson's. XII, 111.  
     —sage. XV, 236, 242.  
     —Savannah. XIII, 144, 147; XV, 375.  
     —seaside. XII, 112, 113.  
     —sharp-tailed. XI, 111, 112, 113.  
     —song. VI, climatic variation 164; X, 90; XII, 67, 71, 73; XIV, singing 292, 350.  
     —swamp. XV, 241.  
     —tree. VI, feeding 133; XI, 254; XII, 16.  
     —vesper. IX, winter flight 173; XIII, 86, 89.  
     —white-crowned. XIV, 98, 106.  
     —white-throated. XIV, 101, 105, 219.  
 'Sparrow Hawk, A Familiar.' VIII, 48.  
 'Special Bird-Blind, A.' XI, 71.  
 'Spotted Sandpiper, The.' XIII, 221.  
 Sprague, Lynn Tew. 'The Song Sparrow' (poem). III, 58; 'On Hearing a Winter Wren Sing in Winter' (poem). III, 199.  
 Spray, S. J. 'Tame Wild Ducks.' VIII, 59.  
 Spring shooting discussed. VIII, 236; XIII, 329.  
 Squirrel, red, fought by bluebirds. XIV, 93.  
 Stafford, Earle. 'The Brown Creeper' (poem). V, 197; 'October Bird Music.' VI, 153.  
 Stake-driver. See BITTERN, AMERICAN.  
 Stansell, Sidney S. S. 'Some Edmonton, Alberta, Birds.' IX, 118; 'The Bird that Nests in the Snow.' X, 7; 'Photographs from Alberta.' XI, 108.  
 Stanwood, Cordelia J. 'The Hermit Thrush.' XII, 100.  
 Starling, European, family described. IV, 20; V, in Massachusetts 133; IX, habits 171, introduction into America 206; merits and demerits 207; food 267; X, value 79, habits in Europe 130; XI, 85; XII, 78; XIII, pewee-like notes 98, habits 218, 267, 321; XIV, spread of 112, 117, family life 349; XV, 114, 176, 177, 278, 339.  
 Stead, Edgar F. 'The Wry-bill of New Zealand.' VIII, 185.  
 Stephenson, L. W. 'A Broken Wing and a Friendship.' XV, 371.  
 Stephenson, Mrs. M. L. 'A Hummingbird Guest.' XII, 151.  
 Stillman, William M. 'Adirondack Notes.' VIII, 208; XIV, 164.  
 Stone, Witmer. 'A Search for the Reedy Island Crow-Roost.' I, 177; 'Some Early American Ornithologists,' VII, 126, 162, 193, 265; 'Nothing New Under the Sun.' VIII, 136; 'The Orchard Oriole.' XII, 44; 'The Carolina Wren.' XIII, 167; 'The Catbird.' XV, 327.

## General Index

- 'Story of Peter, The.' XIV, 275.  
 'Story of Two House Wrens.' XIII, 141.  
 'Stray Birds at Sea.' VIII, 89.  
 Stuart, Katherine H. XII, 279; XIII, 352; XIV, 295; XV, 420.  
 'Study of Birds—Another Way.' II, 151.  
 Subspecies in classification discussed. III, 38.  
 'Successful Failure. A.' XI, 198.  
 'Surprising Contents of a Birch Stub.' I, 187.  
 Sutton, George M. 'Bravery of the Nonpareil,' XIV, 61; 'A Road-runner,' XV, 324.  
 Swallow, bank, V, colony destroyed by minks 151; XII young 136.  
     —barn, III, nesting on a steamboat 110; V, 198; X, 138; XII, odd nest 144; XV, family life 161, 308.  
     —cliff, or eaves, I, 118; VI, nesting 67; XII, 137; XIV, family life 150.  
     —tree or white-breasted, I, 115; III, 174; VI, nesting in a box 93, notes 95; VII, nesting in a box 20; X, 179; XI, 267; XII, 95.  
 'Swallows and Feathers.' II, 80.  
 Swan, pugnacity in. IV, 183.  
 Swift, chimney. I, 79; IV, nesting 162; V, nesting 133; VIII, 210, 130; XI, 266; XII, nest replaced 143; XIII, habits 115.  
 Switzerland, birds in. VI, 101.  
 Swope, Eugene. XIV, 407; XV, 425.  
 'System in Field Records.' V, 125.
- T—
- Tabor, E. G. 'A Least Bittern Portrait,' I, 39; 'A Woodcock at Home,' VI, 149; 'The American Bittern at Home,' VII, 165.  
 Talegallus, wattled, V, 6.  
 'Tame Wild Ducks.' VIII, 50.  
 'Tame Wild Geese.' VIII, 193.  
 'Tame Wild Turkeys.' XIV, 342.  
 'Taming of a Great White Heron.' XII, I.  
 Tanager, scarlet. VII, economic value 147, molts 149; XV, 373.  
 Tariff Bill; feather proviso. XV, 145, 272, 331, 399.  
 Taverner, George W., Jr. 'Value of Winter Birds.' XIV, 348.  
 Taverner, P. A. 'The Yellow-breasted Chat.' VIII, 131; 'Oology as a Science.' IX, 78.  
 Taylor, John W. 'Incidents among Birds.' VII, 209.  
 Tern, black. VI, nesting 1; VIII, near New York 211; XV, 370.
- least, at the Tortugas. V, 83.  
     —noddy. III in Hawaii 120; V, at the Tortugas 78; IX, 307.  
     —sooty. V, at the Tortugas 82; IX, 307.  
     —Wilson's, on Lake Erie. VI, 122.  
 Terns. I, slaughter 205; V, at the Tortugas 103, at Cobb's Island 109; X, homing of 134.  
 Thayer, Abbott H. 'Mounted Birds in Illustration.' V, 28, 35; 'A Robin Episode,' VIII, 103.  
 Thayer Fund. IV, 40.  
 Thayer, Gerald H. 'The Mystery of the Black-billed Cuckoo.' V, 143; 'A Massachusetts Duck Hawk Aery,' VI, 47; 'A Morning's Bird-List,' VI, 97; 'A Brief Classification of the Songs of Wood-Warblers,' VIII, 64.  
 Thayer, Mrs. Harriet C. 'Our Blue Jay Neighbors.' III, 50.  
 Thayer, May R. 'A Bit of Siskin Courtship.' XIII, 205; 'Nesting Habits of the Oregon Junco.' XIV, 212.  
 Thayer, Mrs. S. V. 'Notes on the Varied Thrush.' X, 213.  
 'The Birds' World' (poem). XIII, 85.  
 'The Brown Creeper's Force of Habit.' III, 73.  
 'The World—Problem' (poem). VIII, 98.  
 Thomas, Edith M. 'The Masquerading Chickadee' (poem). I, 77; 'The English Starling' (poem), IX, 61; 'The Sapsucker' (poem), IV, 123; 'Entangled in the Burdock' (poem), X, 46; 'The Skylark' (poem), X, 123; 'Brazilian Hummingbirds' (poem), XI, 240; 'Honk! Honk!' (poem), XII, 43.  
 Thompson, Ernest Seton. 'The Origin of Dick Cissel' (poem). II, 88. See also SETON.  
 Thompson, Joseph. 'The Tortugas Tern Colony.' V, 77.  
 Thompson, Maurice. Remarks on. II, 160.  
 Thoms, Craig S. 'Must Wrens be Taught Nest-Building.' XII, 181; 'A Chickadee Home.' XII, 219.  
 Thrasher, brown. I, song of 25, 151; IX, nesting 241; X, 103, tame 253; XIII, 246; XV, habits 264, song-period 311, 362.  
 'Thrashers, A Thrashing by.' IX, 241.  
 'Thrashery, How to Make A.' XV, 362.  
 'Three Cobb's Island Pictures.' I, 81.  
 Thrush, Bicknell's. IX, 109.  
     —gray-cheeked. IX, 105, 109, 121.

## General Index

- Thrush—*Continued.*  
 —hermit, V, song 84; IX, 107, 123; XII, family life 100; XIII, notes 99.  
 —olive-backed, IX, 104, 106, 122.  
 —russet-backed, IX, 107.  
 —Swainson's, IX, 106.  
 —varied, IX, 166; X, 213.  
 —Wilson's, IX, 33, 105. See VEERY.  
 —wood, IX, 32, 104; XII, 117.
- 'Thrushes of North America.' IX, 103.
- Thurston, Harry. 'The Gray Kingbird at Home.' XV, 165.
- Tibbetts, Elliott R. 'A Clever Trick of the Downy Woodpecker.' XIII, 251.
- Tinker, A. D. 'Kirtland's Warbler,' X, 81; 'Mourning Dove,' 83; 'Rose-breasted Grosbeak,' 217.
- Tippets, Katherine B. 'A Heath Hen Quest.' XI, 244.
- Titmouse, tufted. VI, pulling hairs for nest 205; X, 129; XII, 117, 151; XV, 176.
- 'To a Collection of Brazilian Hummingbirds' (poem). XI, 241.
- Toad, spring notes of. IV, 51.
- Tomtit, New Zealand. V, 116.
- Tongues, of birds; structure and function. II, 5.
- Torrey, Bradford. 'Watching the Bittern pump,' I, 123; 'Winter Pensioners,' II, 177; XIV, death of 362.
- 'Tortugas Tern Colony, The.' V, 77.
- 'To Study Bird Tenants.' VII, 141.
- Toussaint, Mrs. L. H. 'My Bird Neighbors.' XV, 358.
- Towhee. XI, habits 158; XIII, 253, 305; XIV, 60, 110, 287, 290; XV, odd nest 243.
- Towhee, Albert's. XIV, 219.  
 —arctic. XIV, 290.  
 —California. XIV, 219.  
 —cañon. XIV, 218.  
 —spotted. XIV, 289.
- Towles, S. S. 'The World-Problem' (poem). VIII, 98.
- Townsend, C. H. 'Seabirds as Homing Pigeons.' X, 123; 'A Tame Loon,' X, 171; 'Crested Auklet' XV, 133.
- 'Tracks in the Snow.' XIII, 12.
- Trafton, Gilbert H. 'The Fallacy of the Moving Bird-house,' IX, 269; 'The Nest in the Gutter,' X, 72.
- 'Tragedies of Sandpipers' Nests.' XV, 223.
- 'Tragedy, A, in Nature.' V, 151.
- 'Tragedy of Migration, A.' XI, 110.
- 'Trait of the English Sparrow, A.' XII, 143.
- Trapping song-birds; ancient methods. VIII, 136.
- Tree-ducks in Guiana. XI, 237.
- Trees, as related to birds. VI, 73.
- 'Trees, shrubs (etc.) . . . attractive to Birds.' XIV, 201.
- 'Tree Swallow, The.' X, 179.
- 'Tree Swallows in a Bird Box.' VI, 93.
- Tricks, L. D. 'Migration in New Mexico.' X, 262.
- Tropic-bird. III, in Hawaii 121; XV, in Bermuda 345.
- Trotter, Spencer. 'The Background of Ornithology.' X, 68.
- Troupial. XIV, in Ohio 284.
- 'Tufted Titmouse, The.' XV, 394.
- Tui. V, 119.
- Tullsen, H. 'The Dick-Cissel.' 262.
- Turkey, wild. III, in New York Zoological Park 190; XIV, tame 342.
- Turkey Buzzard. See VULTURE, TURKEY.
- Turner, Owen W. 'Notes on Winter Birds.' VI, 25.
- Turnstone in Hawaii. III, 119.
- Tuttle, H. E. 'The Nesting of the Whippoorwill.' XIII, 235.
- 'Two Notes by a Young Observer.' II, 117.
- 'Two Nova Scotia Photographs.' I, 113.
- 'Two Problems in Bird Protection—Cats and Crows.' XII, 122.
- 'Two Warbler Photographs.' XI, 206.
- 'Two Young Hummingbirds.' III, 108.
- Tyler, Winsor M. 'A Vireo Courtship,' XIV, 230; 'The Shrike in Action,' XIV, 351; 'A Purple Martin Colony,' XV, 158.

### —V—

- Van Dyke, Henry. 'The Angler's Reverie' (poem). I, 150.
- Van Dyke, Tertiis. 'From the Maine Coast.' XIV, 225; 'A Narrow Escape,' XV, 112.
- Van Name, Willard G. 'A Connecticut Game Preserve,' III, 115; 'Public Sentiment and Bird-Protection,' VI, 76.
- Van Note, George H. 'The Heath Hen in New Jersey.' V, 50.
- Van Zant, Florence A. 'Zip and Pheebe,' I, 139; 'The Rev. Mr. Chickadee' (poem), II, 193; 'An Adirondack Lunch Counter,' III, 18; 'Early Larks,' 54; 'The Incredulous Veery' (poem), IV, 94; 'The Screech Owl's Valentine' (poem), IV, 196; 'Not of a Feather' (poem) VIII, 130.

## General Index

- 'Veery, The Incredulous' (poem). IV, 94.  
 'Veery's Note, The' (poem). IV, 119.  
 Venezuela; egrets destroyed in. XIII, 173.  
 Vickers, Ernest W. 'The Pileated Wood-pecker.' XII, 57.  
 Vietor, Kate P. and E. W. 'Notes on Cliff Swallows.' XIV, 150.  
 Vireo, Bell's. XI, 119; XIII, nesting 207.  
     —black-capped. XI, 118.  
     —black-whiskered. XI, 82.  
     —blue-headed. VIII, nesting 123; XI, 166; XV, family life 296.  
     —Cassin's. XI, 168.  
     —gray. XI, 120.  
     —Hutton's. XI, 119.  
     —least. XI, 120.  
     —Philadelphia. XI, 78.  
     —plumbeous. XI, 168.  
     —red-eyed (poem). III, 140; VI, nesting 112, asleep 115, taming 133, 168; IX, 114; XI, migration 80; XIII, family life 205; XIV, courtship 229.  
     —warbling. III, 175; IV, singing 161; XI, migration 70; XIII, hung 205.  
     —western warbling. XI, 80.  
     —white-eyed. XI, 118; XIV, family life 153.  
     —yellow-breasted. IX, 47.  
     —yellow-green. XI, 165.  
     —yellow-throated. IV, 120; XI, 165.  
 Virginia; bird-colonies on coast of. IX, 316.  
 'Virginia Rail, Photographing a.' XIII, 285.  
 Visart, E. V., report by. XV, 429.  
 Visher, Stephen S. 'Birds in Southern Arizona.' XII, 186; 'Water-fowl Migration in South Dakota.' XIV, 170.  
 'Visit to the Lake Erie Terns.' VI, 122.  
 'Voices of a New England Marsh.' IV, 43.  
 'Von Berlepsch Nesting-boxes.' XIV, 1.  
 Vulture, black, in Nicaragua. VIII, 165.  
     —turkey. V, 184; XIII, 254; XIV, 13, 14.

### —W—

- Walker, Archie. 'Bird Notes for April and May.' IV, 130.  
 'Walrus Island, a Bird Metropolis of Bering Sea.' III, 45.  
 Walters, A. H. 'The Promise of the New Year.' XIII, 49; 'Suggestions for Bird and Arbor Day.' XIII, 105; 'Ways and Means.' XIII, 158; 'Migration Afterthoughts.' XIII, 159; 'The Story of a Hummingbird.' XIII, 161; 'The Nature-Study Conference' (1910), XIII, 315; 'Bird Day in the Home.' XIV, 119; 'Spring Travelers.' XIV, 120; 'The Hairy and Downy Woodpeckers.' XIV, 127; 'Summer Neighbors.' XIV, 177, 239; 'How Audubon Societies may become more Efficient.' XIV, 302; 'The Birds' Map of America.' XIV, 303, 364; 'Methods of Work.' XV, 52; 'Birds Map.' XV, 53; 'A Bobolink Society.' XV, 185; 'Correlated Studies.' XV, 187; 'Bird Cradles.' XV, 253; 'A Summary of Practical Suggestions.' XV, 317; 'What the Birds do in Autumn.' XV, 318; 'How Birds are Fitted to get their Food.' XV, 383.  
 Warbler, Bachman's. VIII, 26.  
     —bay-breasted. VI, 163.  
     —black-and-white. VII, 203, deformed 211, 249.  
     —Blackburnian. V, 191; IX, captive 216.  
     —blackpoll. VII, 204; VIII, nest 47.  
     —black-throated blue. VIII, 203; XIV, 110; XV, 112.  
     —black-throated gray. VI, 130.  
     —black-throated green. VI, 57; XI, nesting 207.  
     —blue-winged. II, 26, 59; IV, 80; VI, 91, hybridism 131, 138; XI, 177.  
     —Canadian. VI, 59.  
     —Cape May. VII, 275.  
     —cerulean. VIII, 204.  
     —chestnut-sided. IV, 77; VI, 163; X, family life 207.  
     —Connecticut. VII, 135.  
     —golden-cheeked. VI, 58.  
     —golden-winged. IV, 96; VI, 92; haunts and habits 206; XIV, nesting 145.  
     —Grace's. VI, 130.  
     —gray. V, 115.  
     —hermit. VI, 199.  
     —hooded. VI, 22; XIV, 230; XV, 370.  
     —Kentucky. VII, 135.  
     —Kirtland's. VI, 199; X, 81; XI, 177.  
     —Lawrence's. VI, nesting 131; notes 132, 138.  
     —Lucy's. VIII, 134.  
     —MacGillivray's. VII, 169.  
     —magnolia. VI, 200.  
     —mangrove. VII, 34.  
     —mourning. VII, 169.  
     —myrtle. VIII, 61; XII, 76; XIV, nest 15, 225.  
     —Nashville. VII, 237.  
     —olive. VIII, 134.

## General Index

- Warbler—*Continued.*  
 —orange-crowned. VII, 238.  
 —palm. V, 199; VII, 276.  
 —parula. III, captive 94; VIII, 168;  
     XI, nesting 207.  
 —pine. VI, 21; XIII, family life 187;  
     XIV, 166.  
 —prairie. VII, 34; XI, 177.  
 —prothonotary. V, 192; X, 129; XIII,  
     76; XIV, 109.  
 —Sennett's. VIII, 169.  
 —Swainson's. VIII, 26.  
 —sycamore. VI, 130.  
 —Tennessee. VII, 239.  
 —Townsend's. VI, 199.  
 —Virginia's. VIII, 134.  
 —Wilson's. VI, 58.  
 —worm-eating. VII, song 137, nest-  
     ing 138; VIII, 27; XV, 175.  
 —yellow. II, nest 60; VII, 32; XI,  
     moving nest 177; XIV, nest 296.  
 —yellow-throated. VI, 130.
- Warblers. I, 3, song of; II, 124; migra-  
 tion of 159; VIII, songs classified, 64;  
 X, in Central Park, New York, 263.
- Wardens. II, first appeal for establish-  
 ing 33, employed in 1905, 241.
- Waring, M. M. ‘Bluebirds vs. Wrens.’  
 XIV, 293.
- Warren, Edward R. ‘Photographing  
 Ptarmigan,’ II, 169; ‘Whiskey John in  
 Colorado,’ IV, 186; ‘Horned Larks in  
 Colorado Springs,’ VI, 6; ‘A Hum-  
 mingbird that Wanted Light,’ IX, 81;  
 ‘Magpies of Culebra Creek,’ XIV, 329.
- Warren, Harry S. ‘The Birds that pass  
 in the Night.’ II, 113.
- ‘Watching the Bittern pump.’ I, 123.
- ‘Water Birds in Forest Park.’ XII, 63.
- Water for birds in winter. VII, 241.
- ‘Water-fowl Migration in South Dakota.’  
 XIV, 169.
- Water-thrush, Louisiana. VIII, 102.  
 —northern. VIII, 101.
- Watrous, Fanny S. ‘Stormbound Birds.’  
 XI, 129.
- Waxwing, Bohemian. XIII, 305.  
 —cedar. XIII, economic value 55;  
     XV, family life 218.
- ‘Wayside Thrasher, A.’ XIII, 246.
- ‘Ways of Bob-White.’ XI, 249.
- ‘Weapons of Birds, The.’ IV, 182.
- ‘Weather, The.’ XIV, 54.
- Webb, Roscoe J. ‘Nest-building Habits  
 of the Chickadee.’ V, 63.
- Webster, Laurence J. ‘Making Bird  
 Friends.’ V, 9; ‘Snowflakes in Trees.’  
 V, 64.
- Wellman, Gordon B. ‘A Black-and-  
 White Creeper Family.’ VII, 170.
- ‘Western Evening Grosbeak, The.’ IV,  
 9.
- Wetmore, Alick. ‘My Experience with  
 a Red-headed Woodpecker.’ II, 155.
- Whedon, A. D. ‘With the Whippoor-  
 wills,’ VIII, 83; ‘A Kingbird Family,’  
 117.
- Wheeler, Raymond H. ‘A Record of  
 the Outcome of Seventy-five Birds’  
 Nests.’ XII, 183.
- Wheeler, William M. ‘The Structure of  
 Wings.’ VII, 257.
- ‘Where does the Male Horned Lark  
 Stay at Night?’ XI, 75.
- ‘Where Grebe-skins come from,’ II, 34.
- ‘Where the Ruffed Grouse Sleeps.’ XIII,  
 54.
- Whippoorwill. VI, nesting 54; VIII,  
 nesting 83, photographed 86; XIII,  
 family life 235, photographing 237;  
 XV, nesting 308.
- Whiskey Jack; Whiskey John. See JAY,  
 CANADA.
- ‘Whiskey John in Colorado.’ IV, 186.
- Whistler. See GOLDEN-EYE.
- ‘White Badge of Cruelty.’ VIII, 76.
- ‘White-breasted and Red-breasted Nut-  
 hatches.’ XIV, 316.
- ‘White Egrets, The.’ XIV, 62.
- ‘White-eyed Vireo.’ XIV, 153.
- White List (of Milliners). II, 163, 164;  
 III, 40, 150; IV, 40.
- Whitten, E. Marion. ‘A Home in a  
 Cellar.’ IV, 95.
- Widmann, Otto. ‘In the Spartina with  
 the Swallows.’ I, 115; ‘Scarcity of  
 Bluebirds in Missouri,’ VIII, 171.
- Wildfowl, laws relating to. XIII, 123.
- ‘Wild Hedges.’ VII, 149.
- Wilkinson, G. N. ‘Horned Owl Killing  
 a Skunk.’ XV, 369.
- Willcox, Albert. VIII, death of 179;  
 will quoted 227.
- Willet, G. XIV, report 419.
- Williams, H. C. ‘Water Birds in Forest  
 Park.’ XII, 63.
- Williams, R. W. ‘Life History of the  
 Turkey Vulture.’ XIV, 13.
- Williamson, Addison. ‘A Thieving Che-  
 beec.’ VI, 134.
- ‘Willow Ptarmigan, The.’ XIV, 376.
- Wilson, Alexander, history of. VII, 265.
- ‘Wing-bars as Field-marks.’ XII, 178.
- ‘Wings, The Structure of.’ VII, 257.
- ‘Winter Bird-nets from Southern New  
 Hampshire.’ I, 180.

## General Index

- Winter birds, feeding. V, 9; VII, 224, 228, 233, 240, 280; XI, 272; XII, methods 245; XV, 173, 392.  
 'Winter Birds, Notes on.' VI, 25.  
 'Winter, Bird-Study in.' I, 19; III, 27.  
 'Winter Pensioners.' II, 177.  
 'Winter Wren (poem).' III, 199.  
 'Wintering Robins and Cedar Waxwings.' IV, 198.  
 Wisman, W. H. 'Winter Robins.' XIV, 110.  
 'Wit of a Florida Nighthawk.' X, 261.  
 'With Asio in the Greenwood' XV, 285.  
 Woodcock. VI, photographing a 149; IX, 229; XII, 105; XIV, nesting 163; XV, nesting 220.  
 'Woodcock's Wooing, The' (poem). VII, 132.  
 Woodcock, John. 'Photographing a Ruffed Grouse,' XII, 11; 'Hardy Snow Buntings,' XII, 247; 'The Sharp-tailed Grouse in Manitoba,' XV, 291; 'A Friendly Chickadee,' XV, 373.  
 'Wood Duck, The.' IX, 180.  
 Woodpecker, Arctic three-toed. VIII, nesting 158; XV, 368.  
     —downy. II, in winter 179; III, food 142; XIII, trick of 251; XIV, habits 127; XV, 175.  
     —golden-winged. See FLICKER.  
     —hairy. III, 19; XIV, 127.  
     —ivory-billed. VII, 128, 150.  
     —pileated. XII, habits 57.  
     —red-bellied. VI, 187.  
     —red-cockaded. XI, nesting 265.  
     —red-headed. II, 155; VI, storing acorns 25; XI, eating June-bugs 196; XII, habits 86; XIV, family life 266.  
 Woodpeckers, boxes for. XIII, 80.  
 'Woodpeckers and June-bugs.' XI, 196.  
 Woodruff, Carolyn. 'In the Orchard.' XIV, 370.  
 Woodruff, E. Seymour. 'Nesting Habits of Henslow's Sparrow.' X, 111.  
 'Wood Thrush, The' (poem). III, 87.  
 'Wood Thrush, The' (poem). XIV, 144.  
 'Wood Thrush, The, and the Whip-poor-will' (poem). IV, 85.  
 Woodward, Frank E. 'Winter Towhee.' XIV, 110.  
 Woollen, William Watson. XIII, biography 61, 'Woollen's Garden,' 64.  
 'Worm-eating Warbler, The.' VII, 137.  
 Worthington Society organized. VI, 166.  
 Wren, cactus. XV, song 341.  
     —Carolina. V, in Connecticut 163; VII, song 143, 211; VIII, 138; XIII, nesting 142, 149, habits 167; XIV, nesting 296; XV, song 175, 222.  
     —house. I, 166; II, destroying eggs 189; VIII, nesting of Western 172; breaking eggs 68; IX, 198, 201; XI, 185, family life 198-204; XII, nesting 181; XIII, living with sparrows 303, odd nests 130, 135-142; XIV, 165, 166; XV, value 244, 261.  
     —marsh, long-billed. IV, 50.  
     —marsh, short-billed. IV, 51.  
 Wrens, tropical. XV, 341.  
 Wright, Horace W. 'Wintering Robins and Cedar Waxwings.' IV, 198.  
 Wright, Jane A. 'The Loggerhead Shrike in Massachusetts.' V, 122.  
 Wright, Mabel Osgood. 'The Conducting of Audubon Societies,' I, 64; 'A Bird Class for Children,' 101; 'Responsibility of the Audubon Society,' 136; 'Consistency,' 170; 'The Law and the Bird,' 202; 'Wanted—the Truth,' II, 32; 'Fees and Pledges,' 63; 'Bird Protection and the Merchant Milliners,' 128; 'Hats,' III, 40; 'Concerning the Conference,' 217; 'A Mid-winter Meditation,' IV, 37; 'After Legal Protection—What?,' 71; 'Work!,' 103; 'Back to First Principles,' 168; 'Free Lectures—Free Bird Charts—Free Circulating Libraries,' V, 70; 'A Word to the Wise,' VI, 73; 'Conscience and Game Laws,' 173; 'The Lodging and Feeding of Birds,' 211; 'A New Year Suggestion,' VII, 2; 'Wild Hedges,' 149; 'A Stronghold to be Conquered,' 215; 'Winter Feeding of Birds,' 228; IX, 'February,' 42; 'The Bluebird,' 48; 'April,' 89; 'The Red-winged Blackbird,' 93; 'In June,' 133; 'The Baltimore Oriole,' 134; 'August and the Flocking Time,' 178; 'The Indigo Bunting,' 179; 'October and Preparations for Winter,' 224; 'The Purple Finch,' 225; 'For December—Six Reminders,' 276; 'The Herring or Harbor Gull,' 277; 'February Hints,' X, 45; 'The Snowflake,' 47; 'The Song Sparrows,' 90; 'The Barn Swallow,' 138; 'The Tree Swallow,' 179; 'The Kinglets,' 221; 'The Crossbills,' 270; 'How our Birds Spend the Winter,' XI, 38; 'June,' 135; 'The House Wren,' 183; 'Winter Feeding Again,' 272; 'February—Preparation Month,' XII, 42; 'April,' 84; 'Two-Problems,' 122; 'Bird-Cities-of-Refuge,' 159; 'Pros and

## General Index

- Wright, Mabel Osgood—*Continued.*  
Cons of Winter Feeding,' 204; 'Christmas Sermon,' 253; 'Birds and Seasons in my Garden,' XIII, 1, 67; appointed a director, 122, 128, 179, 229, 279; XIV, 'The Ruby-throated Hummingbird,' 186, 'How to Make a Thrashery,' XV, 362.  
'Wry-bill, of New Zealand, The.' VIII, 185.  
'Yellow-headed Blackbird, The.' XIV, 250.  
'Yellow-billed Cuckoo, The.' VII, 220.  
Yellowthroat, Maryland. I, song 151; VII, migration 277; XIII, family life 195; XIV, 308.  
'Young Oriole's Experience, A.' XI, 175.  
Zoological Park of Kansas City. X, 191.  
'Zip and Phoebe.' I, 130.

## INDEX TO ILLUSTRATIONS

When two or more different birds are depicted on a plate, or in an illustration, the separate figures are indexed. Pictures in colors are indicated by bold-face type, thus:  
**125.** The letters m. f. and y. indicate male, female, and young.

- A garden spring. XIII, 4.  
 Aigrettes. II, in nature 51; VI, in art 39; VIII, 76; XV, 208.  
 Albatross, black-footed. X, 261.  
     —Laysan. XIV, 280, 283.  
     —wandering. IX, young 247.  
 Aldrich, Charles. I, portrait 143.  
 Allen, Charles F. XX, portrait 277.  
 Allen, F. H. IV, portrait 14.  
 Allen, G. M. IV, portrait 14.  
 Allen, Joel A. I, portrait 143.  
 Alligator Bay. XV, wardens at 277.  
 American Ornithologists Union. I, founders 143.  
 Anhinga or Water-Turkey. XIII, 361.  
 Arch Rocks, Oregon. VII, 107.  
 Artificial swallow's nest. XIII, 82.  
 Audubon, J. J. I, seal of 172; IX, portrait-bust 1; grave-monument 5.  
 Audubon Hat, The. XV, 400.  
 Audubon Society of California. XI, field-meeting 213; XIV, 427.  
     —of East Tennessee. XV, exhibit by 408.  
     —of New Jersey, permanent exhibit by. XIV, 437.  
 Auk, razor-billed. X, on nest 243.  
 Auklet, crested. XV, 133, nesting 134.  
 Aviary. IX, 148, 150, 151.  
 Bagg, E. V. portrait 24.  
 Bailey, Henry B. I, portrait 143.  
 Baily, W. L. IV, portrait 58.  
 Baird, Spencer F. I, portrait 143.  
 Barbour, E. H. V, portrait 62.  
 Barrows, W. B. V, portrait 61.  
 Barton, B. S. VII, portrait 192.  
 Batchelder, C. F. I, portrait 143; IV, 14.  
 Baxter, Abraham. XIII, portrait 143.  
 Baynard, O. E. XIV, portrait 385.  
 Baynes, E. H. VII, portrait 224.  
 Beach-birds. V, museum group 108.  
 Bendire, C. E. I, portrait 143.  
 Bent, A. C. IV, portrait 14.  
 Bergtold, W. H. V, portrait 195.  
 Berlepsch food-bell. XII, 176; XIV, nest-boxes 4-10.  
 Bicknell, Eugene P. I, portrait 143.  
 Bird-bath. III, 74; IX, 71, 72; XIII, 133; XV, 261.  
 Bird-houses. I, 60; VIII, 62; X, building 135, 136; XI, 224; XII, designs for 77, 79; XV, 207, 403.  
 Bird-nesting in winter. II, 194.  
 Bird-preserve, a 15-acre. XV, 306.  
 Bird Rock. III, museum group 153; VII, scenes at 21; X, 113, 238.  
 Birds drinking. VII, 140.  
 Birds slaughtered as game. XIII, 65; XV, 75, 153.  
 Birds watering (?) young. XII, 152.  
 Bird-table. XIII, 213.  
 Bison at Niobrara. XV, 139.  
 Bittern, American, I, young 149; VII, nest 165; brooding 166, 167; young 168; X, on nest 109.  
     —least. I, on nest 35.  
 Blackbird, red-winged. IV, 63 nest 147; V, nest 92; IX, m. & f. 93; nest 95; XII, 60, 61.  
     —yellow-headed. I, 16; XIV, m. & f. 250.  
 Blackman, Dr. W. F. XV, portrait 447.  
 Bluebird, eastern. I, 43, 44; III, on electric perch 194, 195; IV, 191; V, 43; VI, taming 42, on nest 43, young 44, 45, 46; VIII, nest photographed by reflected light 92, 93, 94; IX, at window 11, 13, nest 15, m. & f. 49, 60; XI, tamed 64-70; XII, at box, 99; XV, at nest, 156.  
     —chestnut-backed, IX, m. & f. 49; outlines 44.  
     —mountain, IX, m. & f. 193.  
 Bobolink. IV, 63; XI, hung 128; m. & f. 137; XII, 110.  
 Bobwhite. VII, male on nest 206; in snow 223; tame 271; X, friendly with cat 80; nest 216; XII, 255; XV, in market 75, 153.  
     —Florida, XI, 250; XIV, 274.  
 Bond, Frank. XIII, portrait 176.  
 Booby. See GANNET.  
 Bowdishia americana. X, 172.  
 Bower-bird, spotted, II, 135.  
 Bradley, Guy M. VII, portrait 218; VIII, 234; IX, grave 333, 334.  
 Bradley, Mrs. Guy M. VIII, house at Key West 229.

## Index to Illustrations

- Brewster, W. I, portrait 143; IV, 14; V, 195.  
 Brook in winter, XIII, 283.  
 Brown, C. I, portrait 143.  
 Brown, H. V, portrait 97.  
 Brown, S. IV, portrait 58.  
 Brownson, W. H. IX, portrait 66.  
 Brush-turkey. V, egg-mound 7.  
 Buckland, James. XIV, portrait 323.  
 Bunting, Indigo, IV, 65; female, 129; IX, m. & f. 179; XIII, m. & f. 179; XIV, 224.  
     —lazuli, XIII, m. & f. 229.  
     —McKay's snow. XV, 1.  
     —painted, XIII, m. & f. 229.  
     —snow, I, 14, 15; VII, 280, 281; X, 47; XV, m. & f. 1; feather changes 18.  
     —varied, XIII, m. & f. 229.  
 Burroughs, John, III, field-portrait, 85.  
 Bush-tit, XI, nest 209; with nest 225; tame 228.  
 Butcher bird, IV, 92.  
 Butler, A. W. V, portrait 97.  
 Cage-bird, VIII, traps for 136.  
 California, birds of. VII, museum group 202.  
 Camera for bird-photography. II, Rowley's 38, 39, 40; XI, 102, 103, 114, 199.  
 Caracara, XIV, nest 387.  
 Cardinal. I, 84, 85, 86; V, 197; VI, Florida 186; VIII, m. & f. 39; nest 41; X, brooding 39; XI, 127; XV, m. & f. 155.  
 Cassique. VIII, nests 125.  
 Cat ('Zip') I, 130.  
 Catbird, I, on nest 87, 88; II, 108; IV, 156; V, 88; IX, on nest 129; XIII, brooding 166; XIV, at nest 272; XV, 327.  
 Cedar-bird. See WAXWING, CEDAR.  
 Chamberlain, M. I. I, portrait 143; V, 195.  
 'Charity to Outdoor Poor,' XIV, 132.  
 Chat, yellow-breasted. IV, 126; VI, 1; VIII, song-flight 132.  
 Chickadee, black-capped, I, 10, 12, 13; on hand 56; young 189; II, tongue 7; 193; IV, 158; VII, tame 224, 225; VIII, tame 17, 172; XI, 60-63; XII, nest 220, 221, 222; XIV, 372; XV, friendly 323, 374, 392.  
 Christmas-tree, the birds.' I, 195; VI, 235.  
 Chuck-will's widow. VIII, foot 53.  
 Clark, F. IV, portrait 58.  
 Cockatoo, red-crested. VIII, 51.  
 Color-concealment illustrated. XV, 47, 48.  
 Cooke, W. W., V, portrait 62.  
 Coot, American. V, in park 46; nest 147; VIII, foot 56; tame 195.  
 Cope, F. R., Jr., IV, portrait 58.  
 Cormorant, Brandt's. VII, 104; colony 323; VIII, group 202; XII, 11; XV, 435.  
     —common. I, 111; XI, nesting 286, 287.  
     —Florida. VII, nests and young 122, 123, 124, 125.  
     —red-faced. III, 49.  
 Cornfield devastated by grasshoppers. XV, 334.  
 Cornfield (village). XIII, scene in 232.  
 Cory, Charles B., I, portrait 143.  
 Coues, Elliott. I, portraits 143; II, 2; III, 11; IV, 4; VI, proof-pages of "Key" 28, 29.  
 Couvillier, F. IX, portrait 234.  
 Cowbird. II, young 121; IV, 63; V, young 193; X, eggs 127; XI, 150; XIV, 12; XV, eggs 298, 300.  
 Crane, sandhill. IX, nest 10; XV, pet 359, 360.  
 Crayfish. XI, 46.  
 Creeper, brown. I, 196; II, 26; IV, 157.  
 Crossbill, red, II, tongue 6, 25; X, m. & f. 270; XII, nesting 5, 6; XIV, m. & f. 1.  
     —white-winged, XIV, m. & f. 1.  
 Crow, American, I, 177, 184; IV, roost 1, 11; mounted 23; VI, on nest 56, young 157; VII, 242; XI, 5, 6, on nest 115, young 117; XIII, tracks 12; XIV, 90.  
     —Clark's, I, 46; haunt 47, 72, 74, 75, 76.  
 Cuckoo, black-billed. X, young 205, 206; XII, 131, 132, nest 133, 134.  
     —yellow-billed. VII, 219.  
 Curlew, Hudsonian. XV, 59.  
 Dabchick, Euronean. II, nest 91.  
 David, F. W. IX, portrait 66.  
 Davis, Captain M. B. XII, portrait 213; XIV, portrait 255.  
 Deane, G. C. IV, portrait 14.  
 Deane, Ruthven. XV, portrait 450.  
 Deane, W. IV, portrait 14.  
 De Haven, I. N. IV, portrait 58.  
 Delaware Valley Ornithological Club. IV, portrait-group 58.  
 Desert, bird-life of the. IX, 169.  
 Dickcissel. XIII, m. & f. 67.  
 Dipper. VIII, at nest 10. X, 4, 6.  
 Dommerich, L. F. XIV, portrait 258.  
 Dove, ground. XII, br. 1 ling 262; XV, 19.

## Index to Illustrations

- Dove—*Continued.*  
 —mourning. XIII, nest 153.  
 —white-winged. XII, young 276.
- Duck, black. XI, in flight 195.  
 —eider. XV, nest, 15, 217.  
 —goldeneye. XII, 55.  
 —mallard. X, brooding 76; XI, m. & f. 40, 43, 46.  
 —wood. VII, nesting-place 17; IX, 180.
- Ducks. II, tongues of 5: VII, as pets 317; VIII, on preserve 60.  
 —XII, 145, 146; XIII, in flight 329; XIV, in an oil-lake, 336.
- Durfee, O. IV, portrait 14.
- Dutcher, William. IV, portrait 193; XV, portrait (large) 404.
- Eagle, bald. III, nest 34.  
 —golden. I, 177; VIII, foot 55; XII, 62.
- Eaton, E. H. V, portrait 97.
- Eggs, relative size. VIII, 11.
- Egret, American. IX, nesting 258, 259; X, 59-67, group 245; XIII, feeding young 333; XIV, 64, 67, slaughtered 136, 263, young 382, in Oregon 417.  
 —snowy. II, 51; VI, 37, plumes 39, 401; X, brooding 283; XIV, 62, 63, 386.
- Eider. See DUCK, EIDER.
- Electric bird-perch. III, 194, 195.
- Elk. XIV, 416; XV, wintering 143, 144, 434.
- Elliot, D. G. I, portrait 143.
- Ellis, Hiram. IX, portrait 66.
- Elrod, M. J. V, portrait 62.
- Emery, T. S. IX, portrait 66.
- Emlen, A. C. IV, portrait 58.
- Evans, W. J. IV, portrait 58.
- Everglades, scene in. XIII, 289.
- Fannin, J. V, portrait 24.
- Feathers. V, effect of wear 157-160.
- Feeding-devices. II, 178; III, 208; V, 30; VII, 226, 228, 229, 230, 234; XII, 176; XIII, 287, 313; XV, 73.
- Feeding-place for birds. XIII, 280; XIV, 3, 8, 337.
- Feet of birds, adaptations of. VIII, 51-59.
- Fellows, A. P. IV, portrait 58.
- Finch, Aleutian rosy. XV, 341.  
 —black rosy. XV, 341.  
 —brown-capped rosy. XV, 341.  
 —gray-crowned rosy. XV, 341.  
 —Hepburn's rosy. XII, nest 109.  
 —house. VII, young 263, 264; IX, 62, 63.  
 —Lincoln's. IV, 160.  
 —pine. III, 33.
- purple. IV, female 195; IX, m. & f. 225.
- Finley, William L. XV, portrait 432.
- Fisher, Albert K. I, portrait 143; V, 23.
- Fisher, William H. XI, portrait 327.
- Flamingo. IV, nests 178, 179, 180; flock 181; VI, 193-199; VII, museum group 201.
- Fleming, J. H. V, portrait 161.
- Flicker. I, tongue 129; II, 5; 112; III, in flight 92; VI, 21, at nest 272; X, albino 128; odd nest-site 174; XII, at nest 185; XIII, tongue 52, nesting 69, 81; XV, 156.
- Floridan family, A. XI, 280.
- Flycatcher, Acadian. III, 204.  
 —alder. X, 99.  
 —Arizona crested. XI, 1.  
 —ash-throated. XI, 1.  
 —beardless. X, 237.  
 —buff-breasted. X, 59.  
 —Canadian. IV, 126.  
 —Couch's. X, 237.  
 —crested. III, 204; XI, 1.  
 —Derby. X, 237.  
 —gray. X, 59.  
 —green-crested. X, 99.  
 —Hammond's. X, 59.  
 —kiskadee. XI, 235.  
 —least. II nest, 75; III, 202, 204; IV, on nest 82, 83; X, 99; XII, shading young 148; feeding young 149.  
 —olivaceous. X, 1.  
 —olive-sided. II, 204; VII, nest 195; brooding 196; X, 237.  
 —scissor-tailed. IX, 241.  
 —vermillion. IX, m. & f., 241.  
 —western. X, 59.  
 —Wright's. X, 59.  
 —yellow-billed. X, 99.
- Forbush, Edward Howe. XV, portrait 416.
- Forceps for cleaning nest-houses. XII, 177.
- Ford bird-farm. XIV, scene 411.
- Fowler, H. W. IV, portrait 58.
- Fox H. IV, portrait 58.
- Francis, N. A. IV, portrait 14.
- Freeman, S. M. IV, portrait 58.
- Friar-bird, tongue of. II, 7.
- Frog flying. VII, 260.
- Fuentes, A. IX, portrait 262.
- Gallinule, Florida. IV, 42; VIII, foot 57.
- Game-birds, slaughtered. XV, 60, 74.
- Gannet. X, nesting 240, 244; XV, at Bonaventure Island, 48.  
 —booby. IX, 257.

## Index to Illustrations

- Gault, B. T.: V, portrait 96.  
 Geese in Golden Gate Park. VIII, 250.  
 Georgia plume-hunters. XIV, 403.  
 Githens, A. M. IV, portrait 58.  
 Gnateatcher, blue-gray. IV, 189.  
 Goldfinch. II, tongue 6; IV, nest 149;  
     VII, young 189, 190, 191, outline 289,  
     m. & f. 290, nest 291, young 293; VIII,  
     strangled 208; X, entangled in bur-  
     dock 46; XII, four plumages 131.  
     —Arkansas. XII, m. & f., 175.  
     —green-backed. XII, 175.  
     —Lawrence's. XII, m. & f., 175.  
 Goose, Canada. II, 37.  
     —emperor. XV, 129.  
     —Hutchin's. VIII, 194.  
     —lesser snow. VIII, 193.  
     —white-cheeked. VIII, 193.  
     —white-fronted. VIII, 194.  
 Grackle, bronzed. II, 150.  
     —purple. IV, 63; XII, young 136.  
 Grebe, Holbell's. XV, 294.  
     —horned. XI, at nest 241; 242, 243.  
     —pied-billed. V, nest 148.  
     —western. VII, nest 339; young 340;  
     X, 293.  
 Green, Rhett, camp of. XV, 407.  
 Grinnell, G. B. XIV, portrait 78.  
 Grosbeak, black-headed. XII, young  
     162; m. & f. 163, feeding young 164,  
     165; XIV, m. f. & y. 141.  
     —blue. XIII, m. f. & y. 179.  
     —evening. IV, 9, 10; XIII, 92, 149,  
         m. & f. 279.  
     —pine. IV, 17, 65; XIV, m. f. & y.  
         329.  
     —rose-breasted, IV, 65; VIII, m. & f.  
         113, brooding 161, 162, young 163;  
         IX, nest 110; male at nest III,  
         112; X, 82, 105, at nest 209; XIII,  
         young 319; XIV, m. f. & y. 141.  
 Grouse, ruffed. II, nest 60; VI, tame  
     82, 84, 85; VIII, brooding 205; X,  
     drumming 247, 248, 249; XI drumming  
     77, lodging under snow 248; XII,  
     drumming 10; XIII, drumming 11,  
     tracks 13, snow-lodging 54; XV, 63.  
     —sharp-tailed. XV, 292.  
 Guiana. XI, scene 236, 237, 238.  
 Gull, burgomaster. III, young 48.  
     —California. VII, group 294.  
     —Franklin's. XII, 124.  
     —herring. VI, 87, 88; VIII, young  
         243; IX, brooding 278; XIV,  
         flocks 338, 339, 340, flight 341;  
         XV, 215, 216.  
     —laughing. V, on nest 112, 113; X,  
         flock 276; XI, on nest 321, nest  
         322; XIV, nest 206, 207, 208.  
 Gulls, in flocks. II, 11, on Santa Cata-  
     lina 46; IX, in flight 261, 280; XIII  
     following plowman 311.  
 Halford, Warren. VIII, portrait 245.  
 Hawk and blacksnake. XV, 243.  
 Hawk, broad-winged. VIII, fledglings 3,  
     4, 5.  
     —duck. XIV, eyrie 83, 85; XV, nest-  
         ing 27.  
     —fish. II, nest 89; V, feeding 55, on  
         nest 179, 180, 191; X, of Gardi-  
         ner's Island 154-159; XI, at nest  
         105.  
     —marsh. II, nesting-site 43, nest 45,  
         46; young 46, 48, 49; VI, 77.  
     —red-shouldered. VI, 109.  
     —red-tailed. I, 182; VIII, at nest 151,  
         152, 154, 156, young 157.  
     —rough-legged. II, 169.  
     —sharp-shinned. XI, m. & f. 94.  
     —sparrow. VI, 143; XIII, in nest-  
         box 79, 80; XV, nest-site 156.  
 Hawks. III, recognition-marks 189;  
     VII, killed 332.  
 Heath Hen. V, 51; IX, 251, 253, 254;  
     XI, 245; XV, 352-358.  
 Henshaw, Henry W. I., portrait 143.  
 Heron, black-crowned night. XIV, rook-  
     ery 71, 72.  
     —European. III, 162.  
     —great blue. X, 226; XIV, 209.  
     —great white. XII, 2.  
     —green. XIII, on nest 12, eggs 13; IX,  
         64; X, on nest 110; XIII, nesting-  
         site 72; XV, 198.  
     —little blue. X, young 164; XIII, on  
         nest 362.  
     —Louisiana. X, on nest 61.  
     —night. X, young 102; XIII, 230.  
     —snowy, See EGRET.  
 Hersey, D. S. IX, portrait 66.  
 Hoatzin, XI, 239.  
 Holder, James B. I, portrait 143.  
 Honey-creepers, tongue of. II, 7.  
 Honey-suckers, tongues of. II, 7.  
 Howe, R. H. IV, portrait 14.  
 Hummingbird, ruby-throated, I, nest  
     156; III, bird with nest 89, 91, flying 90;  
     IX, young 73, nest on wire 81; X,  
     nest 108, tame 199, 200; XII, odd nest  
     151; XIII, tongue 162, on nest 163;  
     XIV, tame 148, m. & f. 186.  
 Hutchinson, J. B. IV, portrait 58.  
 Hwi, III, 157.  
 Ibis, glossy. XIII, 361.  
     —white. XIII, 359.  
     —white-faced. X, 292.  
 'In Arcadia' (pigeons). III, 97.  
 Indigo-bird, see BUNTING, INDIGO.

## Index to Illustrations

- 'In the Heart of a Hawaiian Forest,' III, 119.
- Italian "sportsman." VII, 143.
- Japanese bird-skins, XI, 55.
- Jay, blue, II, hung 195; III, nest 50, 51, 52, 53; IV, 23; V, 185; VII, at nest 268, 269, 270; VIII, 181; XI, feeding 213; XII, albino, 200.  
—Canada, IV, 186, 187; VI, 161; IX, on nest 119; X, 8.  
—Florida blue, X, 212.  
—long-crested, XII, 246.  
—Oregon, I, haunt 48, 72, 73.  
—piñon, XII, 238.  
—Steller's, XII, 15.
- Jones, L. IV, portrait 193.
- Junco, slate-colored, I, nest 113; IX, 170; XV, 10.  
—Oregon, XIV, 213, 215.
- Junior Classes. North Platte, Neb., XIV, 125; Memphis, Tenn., 125; Detroit, Mich., 268; Cornfield, N. H., 369; Riverside, Cal., 389; St. Petersburg, Fla., XV, 207; Brooklyn, N. Y., 207; Morristown, N. J., 207; New York, N. Y., 338; Elizabeth, N. J., 459.
- Keeler, C. V, portrait 62.
- Kester, R. IV, portrait 58.
- Killdeer, I, nest 36; II, 149; V, nest 91; VIII, with young 220, nest 222; XIV, nest 350, 351.
- Kingbird, III, 205; V, nest 155; VIII, nest 118, with young 119, 120, 121, 122; X, shielding young 73, 74; X, 153; XV, at nest 263.  
—Arkansas, X, 1.  
—Cassin's, X, 1.  
—Couch's, X, 1.  
—gray, X, 153, 162; XV, 166, nest 167.
- Kingfisher, belted, II, young 76, 77, 78, 79; VII, feeding young 200; VIII, m. & f. 79, young 80, foot 81, bill 81; IX, 75; X, young 13; XI, 163; XII, flight 233, 234, 235, 236; XIII, in nest 154.
- Kinglet, golden-crowned, IV, 189; X, 220; XI, hung in burdock 261, 262.  
—ruby-crowned, IV, 189; V, notation of song, 52; X, 220.
- Kittiwake, II, 10; VII, at nest 65; X, nesting 241.
- Knight, O. W. V, portrait 131.
- Knowlton, F. H. V, portrait 161.
- Labrador, scenes in. XV, 12, 14.
- 'Landlord and Tenant' (John Burroughs). III, 85.
- Lark, horned. I, 14, 15, nest 152, 153, tongue of, II, 6; IV, 21; VI, 6, 7; X, nest 129; XI, 75, 76; XIII, tracks 14, 322, 332; XV, 295.
- Lawrence, George N. I, portrait 143.
- Lee, Leslie A. IX, portrait 66.
- Libby, O. G. V, portrait 61.
- Lizard, flying. VII, 261.
- Longspur, Alaska, XV, m. & f. 202.  
—chestnut-collared, XII, m. & f. 219.  
—Lapland, II, 191; m. & f. 219.  
—McCown's, XIII, m. & f. 1.  
—Smith's, XIII, m. & f. 1.
- Loon, common. I, nest 42; VIII, 160; IX, in flight 3, on nest 108.
- Lunch-counter, a self-supplying. IX, 219.
- McCadden, D. N. IV, portrait 58.
- Machias Seal Island. XIII, 239.
- McIlwraith, Thomas. I, portrait 143; V, 24.
- McLeod, Columbus G. XI, portrait 52, home 51.
- Magpie, XII, 246; XIV, 329, 330, nest 331, 332.
- Maine Ornithological Society, IX, 66.
- Mallard, See DUCK, MALLARD.
- Mallee-fowl, V, egg-mound 1, 4, 5.
- Man-of-war-bird, V, 82.
- Marks, Mrs. H. E. IX, portrait 66.
- Martin, European, I, on nest 122; XIII, house 97, 328.  
—purple, IV, 89; V, houses for 32;  
VII, house for 12-15, 256; XI, 87, 231; XIV, 247, 275.
- Meadowlark. XV, 197.
- Mearns, Edgar A. I, portrait 143; V, 96.
- Merganser, American. IX, wing-bone 268.  
—hooded. XII, 65.  
—red-breasted. II, 5; VIII, nest 46.
- Merriam, C. Hart. I, portrait 143.
- Meyers, F. G. IV, portrait 58.
- Migratory-Bird Law. XV, map 230.
- Mirror for examining nests. XIII, 75.
- Mockingbird, III, young 193; V, eating eggs 183; VIII, 191; XI, 274, young 277.
- Mollyhawk. IX, 247.
- Morris, G. S. IV, portrait 58.
- Motmot, Mexican. VII, 158, 159, 161.
- Murphy, E. V, portrait 97.
- Murre, rookery on Walrus Island. III, 44, 47; X, nesting 242.
- Myers, Miss Harriet W. XV, portrait 440.
- Nehrling, H. V, portrait 61.
- Nelson, E. W. IV, portrait 193.

## Index to Illustrations

- Nesting-boxes. VII, many designs, 5-20; IX, clay 70; XIV, 4-10, protected from cats 55.
- Nest-holder. I, 197.
- Nighthawk. I, 114; II, 116; III, 126, 127, 128; IV, on nest 115, 116, angry 117, young 118; V, 44; VI on nest 165; X, 170.
- Norton, Mr. and Mrs. A. H. IX, portraits 66.
- Nutcracker, Clarke's. X, 17.
- Nuthatch, red-breasted. II, 27; IV, 158; V, 10, 11; XIV, m. & f. 316.  
—white-breasted. I, acorns stored by 24; III, 18, tamed 209; IV, 158; V, 13; IX, feeding 218, 219; X, 256; XIV, m. & f. 316.
- Nuttall Club. IV, portrait-group 14.
- Observation-nesting-box. VII, 9.
- Old Man Island, Me. XV, 214.
- Oriole, Baltimore. II, nest 118; VII, nest 174; IX, m. & f. 134.  
—Bullock's. XI, nest 174.  
—orchard. IV, 63; XII, m. f. & y, 44.
- Orizaba faunal group. XIV, 96.
- Ornithological Congress. Delegates to Fifth International. XII, 217.
- Ostrich, taking plumes. VII, 153.
- Ou. III, 155.
- Ovenbird. III, at nest 132; VIII, 83; XIII, nest-site 233.
- Owl, barn. V, young 47, 48, 49; VII, 185; XII, nesting in eaves 227, flight 228; XV, pellets 246.  
—barred. X, 14; food-pellets 15, young 101; XII, 56; XIV, 87, 88, 89.  
—Florida screech. X, 89.  
—hawk. XII, 104.  
—horned. I, 183; XI, tracks on snow 265.  
—long-eared. VI, on nest 18; XV, 235, 287.  
—Richardson's. I, 190, 191.  
—saw-whet. III, 56, 57; V, 29; IX, 37.  
—screech. I, 154; II, 140; III, young, 159; IV, 197; VI, 177; VIII, 27; XII, 66; XV, 109.  
—short-eared. VI, 217.  
—snowy. I, 181.
- Owls. III, recognition-marks 189, feet 54.
- Oyster-catcher. VIII, brooding 111.
- Pacetti, B. J. XI, portrait 53.
- Parker, Miss E. IX, portrait 66.
- Park Museum, Providence. XV, 262.
- Partridge. See BOB-WHITE; QUAIL; GROUSE.
- Patrol-boats: 'Dutcher,' IX, 348; 'Grebe,' X, 54; 'Royal Tern,' IX, 339; X, 146.
- Pearson, T. G. IV, portrait 193.
- Pelican, brown. III, 1, 4, 5, 6, 7, 8; VII, 315; VIII, foot 58; IX, nest 8, 9, group 167, 236; XIV, 192; XV, on nest 410, 411, 414.  
—white. VII, 337, 338; X, flock 290.
- Pelican Island. III, 1, 7; IX, scenes 6, 7.
- Penguin, black-footed. II, tongue 7; VIII, 58.
- Pennock, C. J. IV, portrait 58.
- Petrel, Leach's. XIII, 244, 245, 277.
- Pewee, wood. II, tongue 8; III, 205; VI, on nest 129; X, 153; XI, on nest 155.  
—western wood. X, 153.
- Phalarope, northern. VII, 273, 274.
- Phillips, S. E. IX, portrait 66.
- Phoebe. I, nest 197; III, nest 86, 87, 205; V, 198, nest 199; VII odd nest 144; IX, 74; X, 194; XIV, 269, 270, 271, 273.  
—black. X, 194.  
—Say's. X, 194.
- Photography of birds. I, methods 108, 110, III; VII, in a tree-top 2; IX, blind for 211; X, 250, 251.
- Pigeon, Cape. IX, 246.  
—carrier. II, 103, 144.  
—passenger. V, 209; XV, 79-101.  
—wood. XII, 198.
- Pigeons. IV, in flight 108.
- Pipit, American. IV, 128.
- Plover, ring-necked. VII, brooding 66.  
—semipalmated. VIII, 45.  
—upland. V, on nest 54.  
—Wilson's. XI, with eggs 289, 296.  
—wry-billed. VIII, 186-189.
- Prentiss, D. W. I, portrait 143.
- Ptarmigan, rock. II, 176.  
—white-tailed. II, 170, 171, 172, 173, 174; III, 187; IV, 185; VI, on nest 118, 119; young 120; IX, on nest 262.  
—willow. II, 76, 204; XIV, 376.
- Ptarmigan Pass. IX, 261.
- Pterodactyl, restoration. VII, 258.
- Puffin, Arctic. X, on Bird Rock 113; XIII, 240, 241, 242, nest 243.  
—tufted. XV, 268.
- Puffins, etc., slaughtered. XIV, 420.
- Purdie, Henry A. I, portrait 143.
- Pyrrhuloxia. XV, m. & f. 155.
- Quail, California. VIII, 63, 99; XIV, m. & f. 312.
- Quills to avoid. I, 171.

## Index to Illustrations

- Rail, black. IV, 53.  
—Carolina. IV, 49.  
—Virginia. IV, 47; VI, on nest 53;  
XIII, on nest 285, fledglings 286.  
—yellow. IV, 55.
- Raven. X, nest 196.
- Recognition-marks of birds. II, Raptores, 189.
- Redpoll. X, tame 11, 12; XI, 9, 273;  
XII, 179.
- Redstart, American. V, m. f. & y. 175;  
XIV, tame 249.  
—painted. V, 175.
- Reed. J. H. IV, portrait 58.
- Regent-bird. II, nest 137, bower 139.
- Reservation scenes. VIII, Breton Island 244; IX, Louisiana 234, 236, Tornugas, 308; XIV, Orange Lake 192, 262, 385, 386.
- Rhoads, C. J. IV, portrait 58.
- Rhoads, S. N. IV, portrait 58.
- Rice, James H., Jr. XV, portrait 424.
- Ridgway, Robert I. portrait 143; V, 23.
- Rives, W. C. V, portrait 131.
- Roberts, T. S. V, portrait 23.
- Robin. I, on nest 95; II, 41, 42; IV, at nest 143; VII, at nest 172; VIII, odd nest 66, nest in an oriole's nest 103, brooding 127, 128; IX, m. f. & y. 61, feeding young 118; XI, albins 93; XII, 8, 9, at shelf-nest 99, figure 206; XIII, 7, roost 129; nest 254; XIV, migration-map 57, 95, tame 248.  
—Oregon. See THRUSH, VARIED.  
—St. Lucas. IX, 147.
- Roosevelt, Theodore. VIII, fac simile of letter on aigrettes, 239.
- Russell, E. W. IX, portrait 66.
- Sage, J. H. V, portrait 96.
- Sandpiper, least. VIII, 43; XIII, 269; XIV, 227.  
—semipalmated. XIII, 269.  
—solitary. VI, 148; XI, in robin's nest 109.  
—spotted. VI, 96; VII, brooding, 164; XII, 107; XIII, 221; XV, eggs 224.
- Sandpipers. XI, 10, 11.
- Sapsucker. II, tongue 9; III, 199.
- Satin-bird, bower of. II, 136.
- Saunders, W. E. V, portrait 131.
- Scrub-fowl, egg-mound of. V, 8.
- Seabirds following a whale. XIII, 148, eggs 335.
- Seiss, C. F. IV, portrait 58.
- Serrill, W. J. IV, portrait 58.
- Seton, E. T. V, portrait 195.
- Shelters for birds. VII, 231, 232.
- Sheppard, E. IV, portrait 58.
- Shorelark. See LARK, HORNED.
- Shrike, loggerhead. V, 123, 124.  
—northern. IV, 92; XIII, 292.
- Shryock, W. A. IV, portrait 58.
- Shufeldt, W. I, portrait 143.
- Siskin, pine. XII, 131.
- Skimmer, black. I, 81, nest 82; V, on nest 110, 111; XIII, eggs 356.
- Snipe, Wilson's. VII, brooding 66; VIII, on nest 44.
- Snowflake. See BUNTING, SNOW.
- Solitaire, Townsend's. IX, 193.
- Sornborger, J. D. IV, portrait 14.
- Southwick, J. M. V, portrait 23.
- Sparrow, Baird's. XII, 1.  
—Belding's. XIII, 125.  
—Bell's. XV, 213.  
—Black-chinned. XIV, 81.  
—black-throated. XV, 213.  
—Brewer's. XI, 235.  
—chipping. I, 21; XI, 235.  
—clay-colored. XI, 235.  
—desert song. XII, 53, feeding young 276.  
—European. VII, 18; IX, 212, 213, 214.  
—field. IV, 65; XI, 235.  
—fox. XV, four subspecies 77.  
—golden-crowned. NV, m. & f. 285.  
—grasshopper. V, 98; XII, 1.  
—Harris's. XV, m. & f. 285.  
—Henslow's. IV, 24; X, 112; XII, 1.  
—house. XI, hung 174.  
—Ipswich. XIII, 125.  
—large-billed. XIII, 125.  
—lark. XIII, 67.  
—Leconte's. XII, 1.  
—Lincoln's. II, 110; XV, 213.  
—savanna. V, 132; XIII, 125.  
—Nelson's. III, 171; XII, 95.  
—sage. XV, 213.  
—seaside. XII, 95.  
—sharp-tailed. II, 95.  
—song. I, 59; IV, 65; VI, distribution 164; VIII, 177; X, 91, distribution diagram 93, on nest 259; XII, 5 varieties 53, distribution-map 73.  
—tree. IV, 65; VII, 253; X, 82; XI, 235; XII, 178, 180.  
—swamp. XV, 213.  
—vesper. XIII, 67.  
—white-crowned. XIII, 127; XIV, 81.  
—white-throated. IV, 65; XII, 179; XIV, 81.
- Spaulding, F. B. IX, portrait 66.
- Spelman, H. M. IV, portrait 14.
- Sprinkle, X, portrait 146.
- Starling. IV, 20; VII, 4; IX, 171, 206, pears eaten 267.

## Index to Illustrations

- Stone, W. IV, portrait 58, V, 131.  
 Stuart, Miss Katherine H. XV, portrait 421.  
 Swain, J. M. IX, portrait 66.  
 Swallow, bank. IV, 89; VIII, young 130; XIII, flock 77.  
     —barn, X, 138; XV, nesting 161, 162, 163.  
     —cliff, I, nest-site, 107; II, 99; IV, 89; VI, odd nest, 67; XII, 138; XIV, 151.  
     —tree, I, 116, 119; flocks of 121; IV, 89; V, 94; VI, nest in box 94; VII, 20; X, 179; XII, 95, 97; 98; XIII, flock 77, 78.  
 Swift, chimney. VI, 121; VII, young 130, 131, 132; XII, nest 144; XIII, 114, nest 117.  
 Swope, Dr. Eugene. XV, portrait 426.  
 Tanager, scarlet. III, at nest 93; IV, 88; VIII, m. & f. 147, nest 148.  
 Tatum, J. W. IV, portrait 58.  
 Teal, blue-winged, VIII, nest 135.  
 Tern, Arctic. VIII, 241.  
     —black. V, nest 149; VI, on nest 2, 3, in flight 4, 5; XI, on nest 100.  
     —Caspian. VII, colony 321.  
     —gray-backed. XIV, 282.  
     —gull-billed. I, 82; V, on nest 112.  
     —least. XI, 300.  
     —noddy. V, on Bird Key 76, young 78; on nest 79, 80; IX, 309.  
     —royal. IX, in flight 284, 349; X, eggs 125, flock 188; XI, young 288, in flight 324, 325.  
     —sooty. V, egg 81, 83; VII, 262; IX, 310-315.  
     —Wilson's. I, 206; VI, in flight 125, eggs 127; XV, at nest 116.  
 Terns. VIII, on Cobb's Island, 224.  
 The birds' pool. XIII, 184.  
 The hollow tree. XI, 2.  
 Titmouse, tufted, XV, 394.  
 Thrasher, brown. IV, 156; VI, 60, 190; VIII, on nest 91; IX, 210, 242, 243; X, 104, 253; XIII, 247; XV, 264.  
 Thrush, gray-cheeked. IV, 191; IX, 103.  
     —hermit. IV, 191; V, notation of songs 84, 85; IX, 103.  
     —lane. XIII, 181.  
     —olive-backed. IV, 191; IX, 103, on nest 120.  
     —varied. IX, m. & f. 147.  
     —Wilson's. IX, 33; XIV, brooding on nest 157.  
     —wood. IV, 85, 191; VIII, at nest 88; IX, 33, on nest 161; X, nest and Cowbird's eggs 127; XV, 261.  
 Thrushes, American. IX, maps of distribution, 104, 105, 107.  
 Titlark. III, 69.  
 Titmouse, black-capped. See CHICKADEE.  
     —tufted. IV, 158; XIII, 44; XV, 394.  
 Todd, W. C. V, portrait 61.  
 Tongues of birds. II, 5; XIII, 52.  
 Towhee. IV, 65; VIII, with young 124; XI, group 159; XIV, m. & f. 269; XV, 164.  
     —Abert's. XIV, 201.  
     —Arctic. XIV, m. & f. 269.  
     —California. XIV, 201.  
     —canyon. XIV, 201.  
 Trays for Robins' nests. VII, 3.  
 Tropic-bird. XV, Bermuda 345-348.  
 Trotter, S. IV, portrait 58.  
 Troupial. XIV, 286.  
 Turkey, wild. III, 190, 191; XIV, 342, 343.  
 Umbrella blind. XIV, 205.  
 Veery. See THRUSH, WILSON'S.  
 Vireo, Bell's. XI, 101; XIII, on nest 207.  
     —black-capped. XI, 101.  
     —black-whiskered. XI, 59.  
     —blue-headed. IV, 125; XI, on nest 117, 149; XV, nesting 296, 299.  
     —gray. XI, 149.  
     —Hutton's. XI, 101.  
     —least. XI, 101.  
     —Philadelphia. XI, 59.  
     —plumbeous. XI, 149.  
     —red-eyed. II, 122; IV, 125; VI, feeding young 114; nest 115; XI, 59.  
     —warbling. II, 122; IV, 125; XI, 59.  
     —white-eyed. XI, 101; XIV, on nest 153.  
     —yellow-green. XI, 149.  
     —yellow-throated. IV, 125.  
 Visart, E. V. XV, portrait 430.  
 Voelker, C. A. IV, portrait 58.  
 Vulture, turkey. V, young 185, 186, eggs 187; XIV, 13.  
 Vultures. XIII, on a beach 295.  
 Wagtail. VIII, nest in human skull 211.  
 Warbler, Audubon's. VIII, m., f. & y. 43.  
     —Bachman's. VIII, m., f. & y. I.  
     —bay-breasted. IV, 93, m., f. & y. 147.  
     —black-and-white. VII, 171, m. & f. 189.  
     —Blackburnian. V, young 60, m. & f. 188; IX, young 216.  
     —black-poll. VII, m. & f. 189; VIII, nest 47.  
     —black-throated blue. III, 139; VIII, m., f. & y. 185.  
     —black-throated gray. VI, m. & f., 113.

## Index to Illustrations

- Warbler—Continued.
- black-throated green. IV, 126; VI, m. f. & y. 58; XI, 208.
  - blue-winged. m. & f. 81.
  - Brewster's. IV, 66; VI, 81.
  - Canadian. VI, m. f. & y. 41.
  - Cape May. III, 106; VII, m. f. & y. 274.
  - cerulean. VIII, m. f. & y. 185.
  - chestnut-sided. IV, nest 75, young 76, 77, 78; VI, m. f. & y. 147; VIII, at nest 164; X, brooding 207; XI, brooding 149, nest with Cowbird's eggs 150, shielding young 151, fledglings 152.
  - Connecticut. II, tongue 7; VII, m. & f. 121.
  - golden-cheeked. VI, m. f. & y. 58.
  - golden-crowned. III, 132.
  - golden-winged. IV, nest 96; VI, m. & f. 81; XIV, brooding 146.
  - Grace's. VI, m. & f. 113.
  - hermit. VI, m. f. & y. 81.
  - hooded. VI, m. f. & y. 1.
  - Kentucky. VII, m. & f. 121.
  - Kirtland's VI, m. & f. 198.
  - Lawrence's VI, 81.
  - Lucy's. VIII, 117.
  - MacGillivray's. VII, m. & f. 157.
  - magnolia. VI, m. f. & y. 199.
  - mangrove. VII, m. & f. 1.
  - mourning. V, 162; VII, m. f. & y. 157.
  - myrtle. VIII, m. f. & y. 43; XIV, 15.
  - Nashville. IV, 126; VII, m. & f. 223.
  - olive. VIII, m. & f. 117.
  - orange-crowned. VII, m. & f. 223.
  - palm. VII, m. & f. 274.
  - parula. IV, 126; VIII, m. f. & y. 151; X, at nest 297.
  - pine. VI, m. & f. 22; XIII, 188.
  - prothonotary. V, m. & f. 188.
  - prairie. VII, m. & f. 1.
  - red-faced. m. & f. 22.
  - Swainson's. VIII, 1.
  - Tennessee. VII, m. & f. 223.
  - Townsend's. VI, m. & f. 181.
  - Virginia's. VIII, 117.
  - Wilson's. VI, m. & f. 41.
  - worm-eating. IV, 126; VIII, 1.
  - yellow. II, 60; VII, m. & f. 1, brooding 170.
  - yellow-throated. VI, m. & f. 113.
- Water-Thrush, Louisiana. IV, 126; VIII, 83.
- northern. VIII 83.
- Water-turkey. XV, young 409.
- Waxwing, cedar. I, tame 161; IV, 91; VII, brooding 129; XIII, young 53; m. & f. 55; XV, feeding young 168.
- Weed, C. M. V, portrait 96.
- Wheaton, John M. I, portrait 143.
- Whippoorwill. IV, 85; VI, eggs 54, on nest 55; VIII, on nest 84, perched 85, young 86; XIII, young 236, brooding 237.
- Wildcat, an Oregon. XV, 439.
- Woodcock. VI, nest 149, on nest 150, young 151, 152; VIII, tame on nest 9; XII, brooding 106; XV, brooding 221.
- Whitaker, A. L. IV, portrait 58.
- Whitaker, W. L. IV, portrait 58.
- Widmann, O. V. portrait 16.
- Willet. VII, brooding 110.
- Williams, R. W., Jr. V, portrait 161.
- Willow Island. X, 190.
- Wilson, Alexander. VII, portrait 266.
- Window-table. VII, 234, 235, 243, 245.
- Wing-spurs of birds. IV, 183, 184.
- Winter among the spruces. XIII, 281.
- Winter-feeding of birds. VII, field-station 226; placing suet in trees 227; devices for 228, 229, 230; IX, 219.
- Woodpecker, California. V, storing acorns 142.
- downy. II, 179, VI, 192; VIII, 171; XIV, 127, 135.
  - hairy. II, tongue of 8; III, 19; XIV, 127; XV, 8.
  - pileated. XII, 57, 58.
  - red-bellied. VI, 188, 189.
  - red-headed. XII, m. & f. 86; XIV, 216, 217.
  - totem-pole. XIV, 421.
- Woodpeckers, tongues of. II, 5, 8, 9.
- Woollen, William W. XIII, portrait 62, cabin of 63.
- Wren, cactus. XII, nest 186.
- Carolina. IV, 156; XIII, 167.
  - house. IV, 156; VII, at nest 16, pole-house 19; IX, 70, nest 198, 199, family 200, 269; XI, 168, 183, 200, 201; young 203; XII, nest-building 181, 182; XIII, 135-143; XV, in box 244.
  - marsh, long-billed. IV, 51.
  - marsh, short-billed. IV, 51.
  - western house. VIII, nest 173.
  - wood. XV, 343.
- Wren-Thrasher, black-capped. XV, 342.
- Wright, Mrs. Mabel O. XV, portrait 444.
- Wright, S. IV, portrait 58.
- Yellowthroat, Belding's. VII, m. & f. 257.
- Maryland. IV, 126; VII, m. f. & y. 257; XIII, 196.
  - Rio Grande. VIII, m. & f. 83.
- Young, M. IX, portrait 297.

## INDEX TO BOOKS AND PERIODICALS REVIEWED

- Abridged Check-List, A. O. U. XII, 202.  
Adventures of Cock Robin. By R. Kearton. VII, 37.  
A Hermit's Wild Friends. By M. A. Walton. V, 201.  
A Labrador Spring. By C. W. Townsend. XII, 155.  
Album de Aves Amazonas. By E. A. Goeldi. IX, 271.  
Along the Labrador Coast. By C. W. Townsend. IX, 221.  
American Birds Studied . . . from Life. By W. L. Finley. X, 40.  
American Natural History. By W. T. Hornaday. VI, 135.  
Among the Waterfowl. By H. K. Job. IV, 132.  
A Naturalist on Desert Islands. By P. A. Lowe. XIV, 49.  
A Nature Wooing at Ormond-by-the-Sea. By W. S. Blatchley. V, 66.  
Animal Life. By D. S. Jordan and V. Kellogg. III, 35.  
Audubon Bird Chart No. 2. II, 197.  
*Auk, The.* See ORNITHOLOGICAL MAGAZINES.  
Avifauna of Louisiana. By G. E. Beyer. II, 125.  
Avifauna of the Pribilof Islands. By W. Palmer. II, 29.  
Baby Pathfinder to the Birds. By Richards and Cummings. VI, 100, 170; VIII, 139.  
Behavior of Noddy and Sooty Terns. By J. B. Watson. XI, 178.  
B. O. C. Migration Report. VIII, 139.  
Bibliography of California Ornithology. By J. Grinnell. XI, 179.  
Bibliography of the Economic Relations of North American Birds. By C. M. Weed. V, 65.  
Biological Conditions in Nebraska. By R. H. Wolcott. IX, 86.  
Biological Investigation of the Hudson Bay Region. By E. A. Preble. V, 32.  
Biological Survey of the Sand Dune Region . . . Michigan. By A. G. Ruthven. XIV, 115.  
Biota of the San Bernardino Mountains. By J. Grinnell. XI, 131.  
Bird-Calendar. By C. M. Weed. IV, 164.  
Bird-Craft. By M. O. Wright. IX, 86.  
Bird Day and How to Prepare for It. By C. A. Babcock. III, 111.  
Bird Gods. By C. de Kay. I, 26.  
Bird Guide. By C. A. Reed. VIII, 30, 139.  
Bird Homes. By A. R. Dugmore. II, 123.  
Bird-Hunting through Wild Europe. By R. B. Lodge. XI, 268.  
Bird-Life. By F. M. Chapman. I, 27.  
Bird-Life Stories. By C. M. Weed. VI, 136.  
Bird Notes Afield. By C. A. Keeler. II, 28.  
Bird Portraits. By Thompson and Hoffman. III, 111.  
Bird Studies for Home and School. By H. C. DeGroat. XIV, 50.  
Bird Watching, By E. Selous. III, 176.  
Birds. By A. H. Evans. I, 97.  
Birds. By Mrs. A. M. Grant. I, 133.  
Birds and Mammals of the 1900 Alexander Alaska Expedition. XIII, 155.  
Birds by Land and Sea. By J. M. Boraston. VII, 37.  
Birds in their Haunts. By C. A. Johns. XI, 179.  
Birds in Horticulture. By W. E. Praeger. II, 61.  
Birds in their Relation to Man. By Weed and Dearborn. V, 134.  
Birds of Amherst. By H. L. Clark. IX, 86.  
Birds of Andover. By H. I. Ford. III, 177.  
Birds of Arkansas. By A. H. Howell. XIII, 310.  
Birds of the Bahamas. By J. H. Riley. VII, 179.  
Birds of Berkshire County (Mass.) By Faxon and Hoffman. II, 61.  
Birds of the Boston Public Garden. By H. W. Wright. XI, 178.  
Birds of California. By I. G. Wheelock. XI, 69.  
Birds of California in Relation to the Fruit Industry. By F. E. L. Beal. X, 84; XIII, 261.  
Birds of the Cambridge Region. By W. Brewster. VIII, 174.  
Birds of Chapel Hill. By T. G. Pearson. II, 61.  
Birds of the Chicago Area. By F. M. Woodruff. IX, 176.

## Index to Books and Periodicals

- Birds of Colorado. By W. L. Sclater. XIV, 173.
- Birds as Conservators of the Forest. By F. E. L. Beal. X, 41.
- Birds of Costa Rica. By M. A. Carricker, Jr. XIII, 101.
- Birds of Eastern North America. By C. B. Cory. I, 200.
- Birds of Erie (Pa). By W. E. Clyde. VI, 169.
- Birds of Essex County (Mass.). By C. W. Townsend. VII, 212.
- Birds of Fergus County, Montana. By P. M. Silloway. VI, 30.
- Birds of the Galapagos. VI, 169.
- Birds of God. By T. Brown. XIV, 358.
- Birds of the Hawaiian Islands. By H. W. Henshaw. IV, 201, 204.
- Birds of the Huachuca Mountains. By H. S. Swarth. VI, 160.
- Birds I have Seen. III, 177.
- Birds of Illinois and Wisconsin. By C. B. Cory. XI, 218.
- Birds of Iowa. By R. M. Anderson. IX, 220.
- Birds of the Jefferson Region. By H. W. Wright. XIV, 235.
- Birds of Labrador. By C. W. Townsend and G. Allen. IX, 220.
- Birds of Laysan. By W. K. Fisher. V, 202.
- Birds Living in the N. Y. Zoöl. Park. X, 84.
- Birds of . . . Lower California. By W. Brewster. IV, 201, 204.
- Birds of Maine. By O. W. Knight. X, 266.
- Birds . . . of Manchester (N. H.). By F. W. Batchelder. II, 126.
- Birds of a Maryland Farm. By S. Judd. VI, 30.
- Birds of Massachusetts. By Howe and Allen. III, 143.
- Birds of Missouri. By B. O. Widman. N. X, 40.
- Birds (of the) Mt. Robson Region. B. C. By J. H. Riley. XV, 248.
- Birds of Nebraska. By L. Bruner, etc. VI, 206.
- Birds of New England. By B. Hoffman. VI, 100.
- Birds of New Hampshire. By G. M. Allen. VI, 169.
- Birds of (southern) New Hampshire. By Ned Dearborn. I, 98.
- Birds of the New Haven Region. X, 176.
- Birds of New Jersey. By W. Stone. XII, 37.
- Birds of New York, Part I. By E. H. Eaton. XII, 118.
- Birds of North and Middle America. By R. Ridway. IV, 33; V, 31; VII, 36.
- Birds of Ohio. By L. Dawson. VI, 69.
- Birds of Ohio. By L. Jones. VI, 30.
- Birds of Oneida County (N. Y.). By E. Bagg. XIV, 358.
- Birds of Ontario. By C. W. Nash. I, 133; II, 159.
- Birds of Prince Edward Island. By J. McSwain. X, 177.
- Birds of Princeton (N. J.). By W. A. Babson. III, 212.
- Birds of the Rockies. By L. S. Keyser. IV, 200, 204.
- Birds of Santa Cruz. By R. McGregor. III, 213.
- Birds of Somerset Hills. By J. D. Kuser. XIV, 234.
- Birds of South Carolina. By A. T. Wayne. XII, 201.
- Birds of . . . Southern California. By G. Willett. XIV, 357.
- Birds of Springfield (Mass.). By R. O. Morris. III, 176.
- Birds of Virginia. By H. M. Bailey. XV, 312.
- Birds of Washington. By W. L. Dawson. XI, 268.
- Birds of Washington. (D. C.) By Mrs. L. W. Maynard. I, 26.
- Birds of Western New York. By H. Eaton. III, 75.
- Birds of Wisconsin. By Kumlien and Hollister. VI, 30.
- Birds of the World. By F. H. Knowlton. XI, 131.
- Birds of Wyoming. By W. C. Knight. V, 66.
- Birds of the Yukon Region. II, 197.
- Bob-White and Other Quails. By S. D. Judd. VII, 283.
- Botanist, A. on the Amazon. By R. Spruce. XV, 247.
- Boulder Reveries. By W. S. Blatchley. VIII, 214.
- Brewster's Warbler. By W. Faxon. XIII, 155; XV, 312.
- British Birds' Nests. By R. Kearton. II, 91.
- Calendar of Game Birds. By L. A. Fuertes. IX, 271.
- California Water Birds. By L. M. Loomis. II, 92; III, 212.
- Camp Kits and Camp Life. By C. S. Hanks. VIII, 213.

## Index to Books and Periodicals

- Camps and Cruises of an Ornithologist. By F. M. Chapman. XI, 132.
- Cassinia, a Bird Annual. IV, 133; V, 167; VI, 69; VIII, 69; IX, 220; X, 175; XII, 118; XIV, 233; XV, 249.
- Catalogue of British Columbia Birds. By F. Kermonde. VI, 207.
- Catalogue of Canadian Birds. By J. Macoun. II, 125; V, 167; VI, 30; VII, 36; XII, 2nd edition 155.
- Check-list of British Columbia Birds. By J. Fannin. I, 98.
- Check-list of California Birds. By J. Grinnell. IV, 163.
- Check-list of New York Birds. II, 159.
- Check-list of N. A. Birds. A. O. U. 3d edition. XII, 156, 158.
- Chickadee, Feeding Habits and Winter Food of the. By C. M. Weed. I, 97.
- China or Denny Pheasant. By W. T. Shaw. X, 266.
- Concealing Coloration in the Animal Kingdom. By A. H. Thayer. XII, 153; XIII, 255. (See also XIII, 255.)
- Condor*. See ORNITH. MAGAZINES.
- Dansk Fugleliv Stormmaggen. By L. Billeder. XIII, 45.
- Decrease of Certain Birds and its Causes. By E. H. Forbush. VII, 213.
- Destruction of Cotton-boll Weevil by Birds. By A. H. Howell. X, 175.
- Development of Color in the Definitive Feather. By R. M. Strong. V, 65.
- Development of Nestling Feathers. By L. Jones. X, 41.
- Dickey Downy. By V. S. Patterson. I, 200.
- Dictionary of Birds. By A. Newton. I, 199.
- Digest of Game Laws for 1901. III, 177.
- Directory to the Birds of Eastern North America. By C. J. Maynard. XII, 37.
- Distribution and Migration of N. A. Ducks, Geese and Swans. By W. W. Cooke. VIII, 213.
- Distribution and Migration of Shore-birds. By W. W. Cooke. XII, 250.
- Distribution and Migration of N. A. Warblers. By W. W. Cooke. VII, 36.
- Distribution and Origin of Life in North America. By R. F. Scharff. XIV, 299.
- Dorothy Brooke's School Days. By T. C. Sparhawk. XI, 218.
- East and West. By S. D. Kirkham. XIII, 211.
- Economic Ornithology in the United States. By T. S. Palmer. II, 159.
- Egret Hunters, The, in Venezuela. By G. K. Cherrie. II, 50.
- Egyptian Birds. By C. Whymper. XI, 269.
- Elementary Biology. By J. E. Peabody. XV, 47.
- Elementary Zoölogy. By V. Kellogg. IV, 35.
- Evening Grosbeak, The, in Minnesota. By T. S. Roberts. XIII, 261.
- Everyday Birds. By B. Torrey. III, 176.
- Everyday Study of Birds for Busy People. By W. H. C. Pynch. II, 19.
- Experimental Method of Testing . . . Coloration. By W. L. McAtee. XIV, 357.
- Fauna of New England. II, Aves. By G. M. Allen. XII, 82.
- Feathered Game of the Northeast. By W. A. Rich. IX, 271.
- Field Book of Wild Birds and their Music. By F. S. Matthews. VII, 145.
- Field Days in California. By B. Torrey. XV, 181.
- Field, Forest and Stream in Oklahoma. XV, 248.
- Field Key to the Land Birds. By E. Knobel. I, 167.
- Field Notes on Some Bahama Birds. By J. L. Bonhote. V, 65.
- Fifty Common Birds of Vermont. By C. D. Howe. VII, 246.
- First Book of Birds. By O. T. Miller. I, 167.
- First Book upon the Birds of Oregon, etc. By W. R. Lord. IV, 68.
- Flight of Birds. By F. W. Headley. XIV, 233.
- Food Habits of Grosbeaks. By W. L. McAtee. X, 132.
- Food of Bobolink, Blackbirds and Grackles. II, 197.
- Game Birds, Wild Fowl and Shore Birds of Massachusetts. By E. H. Forbush. XV, 46.
- Geographic Variation in Birds. By C. W. Beebe. X, 84.
- Gilbert White of Selborne. By W. H. Mullens. X, 84.
- Gleanings from Nature. By W. S. Blatchley. II, 61.
- Gray Lady and the Birds. By M. O. Wright. X, 41.
- Grouse and Wild Turkeys of the United States. By S. D. Judd. VIII, 30.
- Handbook of Birds of Eastern North America. By F. M. Chapman. XIV, 172.

## Index to Books and Periodicals

- Handbook of Birds of the Western United States. By F. M. Bailey. IV, 200.
- Hand-List of British Birds. XV, 46.
- Haunts of the Golden-winged Warbler. By J. W. Jacobs. VI, 206.
- Heron's of the District of Columbia. By P. Bartsch. VI, 170.
- Hezekiah's Wives. By L. H. French. IV, 98.
- History of Birds. By W. P. Pycraft. XII, 201.
- Home-Life of a Golden Eagle. By H. B. McPherson. XII, 82.
- Home-Life of the Osprey. By C. G. Abbott. XIV, 49.
- Home-Life of the Spoonbill, etc. By B. Beetham. XIII, 45.
- Home-Life of the Terns. By W. Bickerton. XV, 115.
- Home-Life of Wild Birds. By F. H. Herrick. IV, 101; VIII, 2d edition 176.
- Horned Larks and . . . Agriculture. By W. L. McAtee. VIII, 30.
- How to Attract and Protect Wild Birds. By M. Hieseman. X, 225.
- Immigrations of British Summer Residents, etc. XII, 81.
- In American Fields and Forests. XI, 131.
- Index to Bulletin Cooper Orn. Club. XI, 179.
- Inheritance of Song in Passerine Birds. By W. E. D. Scott. VI, 171.
- Instinct and Intelligence in Birds. By F. H. Herrick. XIII, 309.
- In the Open. By S. D. Kirkham. X, 266.
- Investigation of the Athabasca-Mackenzie Region. By E. A. Preble. XI, 88.
- Key to North American Birds. Fifth Edition. By E. Coues. VI, 27.
- Lay of the Land. By D. L. Sharp. X, 266.
- Legislation for the Protection of Birds. By T. S. Palmer. II, 124.
- Life and Behavior of the Cuckoo. By F. H. Herrick. XII, 249.
- Linnean Society of New York, Proceedings. VII, 145; IX, 271; XV, 248.
- Lives of the Hunted. By E. Seton Thompson. IV, 34.
- London Birds. By T. D. Pigott. V, 31.
- Manual of Moral and Humane Education. By F. H. Krause. XIII, 45.
- Massachusetts, Report State Ornithologist. XIII, 46.
- Meriden Bird Club. First Report. XIV, 233; Second Report, XV, 181.
- Methods of Attracting Birds. By G. H. Trafton. XII, 249.
- Michigan Bird Life. By W. B. Barrows. XIV, 298.
- Migratory Movements of Birds in Relation to the Weather. By W. W. Cooke. XIV, 115.
- Mig Robin. By E. C. Crummer. XI, 179.
- Mr. Chupes and Miss Jenny. By E. Bignell. III, 143.
- Monograph of the Flicker. By F. L. Burns. II, 125.
- Monograph of Marcus Island. By W. A. Bryan. VI, 169.
- My Birds in Freedom and Captivity. By H. D. Astley. III, 143.
- My Pets. By M. Saunders. XI, 88.
- My Woodland Intimates. By E. Bignell. V, 101.
- Narrative of a Trip to the Bahamas. By G. Allen and T. Barbour. VII, 179.
- National Reservations. By T. S. Palmer. XIV, 358.
- Natural History of the Toronto Region. By J. H. Farrell. XV, 313.
- Nature and the Camera. By A. R. Dugmore. V, 65.
- Nature's Calendar. By Ernest Ingersoll. II, 123.
- Nature Sketches in Temperate America. By J. L. Hancock. XIII, 261.
- Nature Study and Life. By C. F. Hodge. IV, 98.
- Nebraska Ornithologists' Union, Proceedings. 1901. IV, 34.
- Nestlings of Forest and Marsh. By I. G. Wheelock. IV, 132.
- Nests and Eggs of Australian Birds. By A. J. Campbell. IV, 132.
- Nests and Nest-building in Birds. By F. H. Herrick. XIII, 310.
- North American Birds' Eggs. By C. A. Reed. VI, 135.
- North American Eagles. By H. C. Oberholzer. VIII, 213.
- North and South. By S. D. Kirkham. XV, 378.
- Notes on New England Birds. By H. D. Thoreau. Edited by F. H. Allen. XII, 119.
- Nuttall's Handbook. Chamberlain's Edition. V, 101.
- On the Birds' Highway. By R. H. Howe. I, 134.

## Index to Books and Periodicals

- Oologist, Oriole, Osprey.* See ORNITHOLOGICAL MAGAZINES.
- Ornithological Magazines, and Minor Publications: Notices of. III, 37, 77, 111, 144, 177, 213; IV, 35, 69, 99, 133, 165, 201; V, 33, 35, 66, 101, 135, 167, 262; VI, 31, 70, 101, 136, 171, 207; VII, 37, 146, 179, 247, 283; VIII, 31, 106, 140, 176, 214; IX, 87, 88, 176, 221, 273; X, 42, 86, 132, 176, 218, 267; XI, 89, 180, 219, 269; XII, 39, 119, 157, 250; XIII, 46, 101, 156, 262, 312; XIV, 50, 116, 173, 235, 300, 358; XV, 115, 182, 249, 313, 379.
- Ornithology of the Bahama Islands. By Todd and Worthington. XIV, 116.
- Ornithology of Princeton Expeditions to Patagonia. VI, 169.
- Our Birds and their Nestlings. By M. C. Walker. VI, 170.
- Our Bird Comrades. By L. S. Keyser. X, 86.
- Our Bird Friends. By R. Kearton. III, 36.
- Our Common Birds. By C. F. Hodge. I, 167.
- Our Native Birds. By D. Lange. II, 28.
- Our Native Birds. By H. Nehrling. XIV, 357.
- Our Search for a Wilderness. By Mary C. and C. W. Beebe. XII, 155.
- Our Vanishing Wild Life. By W. T. Hornaday. XV, 247.
- Pacific Coast Avifauna, No. 1. By J. Grinnell. III, 76; same, "No. 8," XIV, 301.
- Pamphlets noticed. See ORNITHOLOGICAL MAGAZINES.
- Photography for Bird-Lovers. By B. Beetham. XIII, 210.
- Phylogenetic Value of Color. By W. Stone. XV, 379.
- Plants useful to Attract Birds. By W. L. McAtee. XII, 157.
- Policemen of the Air, The. By H. W. Henshaw. X, 131.
- Practical Value of Birds. By J. Henderson. XV, 181.
- Private Game Preserves. By T. S. Palmer. XII, 156.
- Proceedings Delaware Valley Orn. Club. II, 159.
- Proceedings Fourth Internat. Orn. Congress. IX, 175.
- Proceedings Nebraska Ornithologists' Union. V, 134.
- Protection of Our Native Birds. By T. H. Montgomery, Jr. IX, 176.
- Purple Martin, The, and Houses. By J. W. Jacobs. XII, 82.
- Rarer British Breeding Birds. By R. Kearton. II, 91.
- Relation of Sparrows to Agriculture. By S. D. Judd. III, 212.
- Report on Immigrations. By W. R. Ogilvie-Grant. XV, 115.
- Report of Biological Survey. X, 85; XI, 89; XII, 38.
- Revealing and Concealing Coloration. By Theodore Roosevelt. XIII, 255.
- Sand Dunes and Salt Marshes. By C. W. Townsend. XV, 378.
- Seasonal Changes of Color in Birds. By C. W. Beebe. X, 175.
- Sequence of Plumages and Moult. By J. Dwight, Jr. III, 35.
- Significance of White Markings. By H. C. Tracy. XIII, 100.
- Sketch-book of British Birds. By R. B. Sharpe. I, 61.
- Some Common . . . Birds in Relation to Man. By McAtee and Beall. XIV, 234.
- Some New Facts about Migration. By W. W. Cooke. VI, 206.
- Spell of the Rockies. By Enos Mills. XIV, 234.
- Sport of Bird Study. By H. K. Job. XI, 268.
- Stories of Bird Life. By T. G. Pearson. IV, 68.
- Story of a Bird Lover. By W. E. D. Scott. V, 101.
- Story of a Martin Colony. By J. W. Jacobs. V, 31.
- Stowe Notes. By E. M. Taber. XV, 379.
- Studies in Bird Migration. By W. E. Clarke. XIV, 232.
- Summer Birds of Shaw's Garden. By O. Widmann. XII, 81.
- Survey of Mt. Shasta. By C. H. Merriam. II, 28.
- The Bird Book. By F. H. Eckstorm. III, 75.
- The Bird our Brother. By O. T. Miller. X, 131.
- The Face of the Fields. By D. L. Sharp. XIII, 211.
- The Linnet of the Hawaiian Islands. By J. Grinnell. XIII, 155.
- Two Bird Lovers in Mexico. By C. W. Beebe. VII, 283.
- Two Little Savages. By E. T. Seton. VI, 30.
- Two Vanishing Game Birds. By A. K. Fisher. IV, 163.

## Index to Books and Periodicals

- Under the Roof of the Jungle. By C. L. Bull. XIII, 210.
- Useful Birds and their Protection. By E. H. Forbush. IX, 130.
- Vertebrates of the Cayuga Lake Basin. By Reed and Wright, XIII, 101.
- Wabeno, the Magician. By M. O. Wright. I, 199.
- Wanderings. By C. Watterton. XI, 180.
- Warblers' Songs. By L. Jones II, 124.
- Warblers of North America. By F. M. Chapman. VI, 61; IX, 85.
- Wild Birds in City Parks. By H. E. and A. Walter. IV, 68.
- Wild Life at Home. By R. Kearton. I, 133.
- Wild Life in the Rockies. By E. A. Mills. XII, 81.
- Wilderness Pets. By E. Breck. XII, 110.
- Wild Wings. By H. K. Job. VII, 212.
- Wilson Bulletin*. See ORNITHOLOGICAL MAGAZINES.
- With Nature and a Camera. By R. Kearton. I, 26.
- With the Birds in Maine. By O. T. Miller. VI, 69.
- Woodland Idyls. By W. S. Blatchley. XIV, 173.
- Woodpeckers. By F. H. Eckstorm. III, 111.
- Woodpeckers in Relation to Trees. By W. L. McAtee. XIII, 312.
- Year Book of Kentucky Woods. By I. Crockett. III, 76.
- Zoölogical Society, New York, Tenth Report. VIII, 140.







































































































































































































































































































































































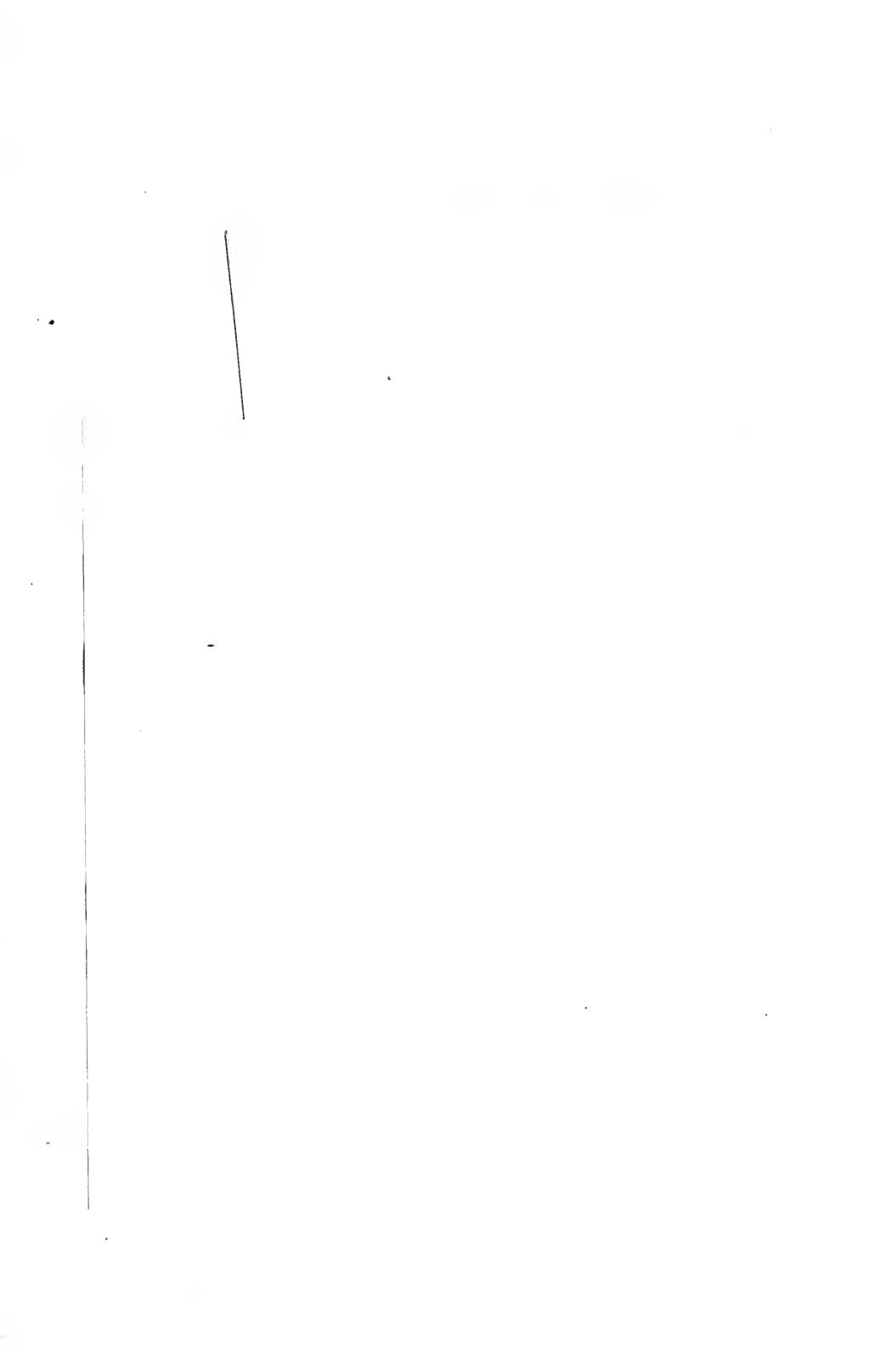












AMNH LIBRARY



100115262