

6.—A LIST OF THE NAMES OF ALL PERSONS WHO HAVE BEEN APPOINTED COMMISSIONERS OF FISHERIES OF THE VARIOUS STATES OF THE UNITED STATES, WITH THEIR ADDRESSES AND THE DATES OF THEIR TERMS OF SERVICE.

By CHAS. W. SMILEY.

The preceding list of Commissioners is designed to include only such as are now in office. Those names, together with the names of all other persons who have acted as State commissioners and the names of superintendents, are here arranged in alphabetical order. Several years having elapsed since some of them retired from the work, the addresses may not all be correct for the present time. Those who are known to have died are marked "deceased," and their last official address is given. All were connected with the States indicated by the addresses, except in a very few cases, where the State by which the gentleman was appointed is indicated in parenthesis following the address. This list contains 237 names.

Akers, Col. George F., Nashville, Tenn.....	1877-1882
Allen, Hon. W. C., Owingsville, Ky.....	1876-1879
Anderson, G. A., Trenton, N. J.....	1874-1883
Andrews, N. L., Buffalo, Wyo.....	1882-1884
Antisdell, John F., Milwaukee, Wis.....	1878-1885
Atkins, Charles G., Augusta, Me.....	1867-1871
Atwood, N. E., Provincetown, Mass.....	1857-1857
Austin, Gov. Horace, Saint Paul, Minn.....	1874-1875
Bagley, John J., Detroit, Mich.....	1873-1874
Ball, William B., Midlothian, Va.....	1871-1874
Barkwell, M. C., M. D., Cheyenne, Wyo.....	1882-1884
Barden, John H., Rockland, R. I.....	1871-1883
Barfoot, Prof. J. L., Salt Lake City, Utah [deceased].....	1880-1882
Barrett, Charles, Grafton, Vt.....	1866-1870 and 1877-1881
Bartlett, S. P., Quincy, Ill.....	1879-1884
Battle, Preston, R. P., Chapel Hill, N. C.....	1881-1879
Bellows, Hon. Henry A., Concord, N. H.....	1865-1869
Bennett, E. W., Warm Springs, Wyo.....	1882-1884
Bill, James A., Lyme, Conn.....	1871-1860
Bissell, John H., Detroit, Mich.....	1863-1880
Blackford, Eugene G., Fulton Market and Brooklyn, N. Y.....	1879-1883+
Bogart, E. V., Colo., superintendent of hatchery.....	1882
Bond, C. W., Toledo, Ohio.....	1881-1883+
Brackett, E. A., Winchester, Mass.....	1869-1884
Brainerd, Herbert, Saint Albans, Vt.....	1881-1885
Briggs, J. Smith, Kankakee, Ill.....	1879-1880
Brownell, Charles H., Saint Joseph, Mo., superintendent.....	1881-1882
Bruce, Hon. J. H., Lancaster, Ky.....	1876-1879
Buckingham, B. H., Washington, Cal.....	1883-1883+
Burt, Grover C., Mankato, Minn.....	1876-1878
Butler, A. P., Columbia, S. C.....	1879-1883
Cameron, Daniel, La Crescent, Minn.....	1878-1884

Cary, H. H., Dr., Lagrange, Ga., superintendent.....	1880
Casey, Hon. James B., Covington, Ky.....	1876-1879
Chambers, Hon. James M., Independence, Ky.....	1880-1884
Chapman, R. A., Boston, Mass.....	1857
Chase, Oren M., Detroit, Mich., superintendent.....	1882
Clark, George, Ecorse, Mich.....	1873-1877
Coombs, Dr. S. W., Bowling Green, Ky.....	1876-1880
Cooper, George G., New York, N. Y.....	1869-1871
Creveling, John, Marietta, Pa., superintendent of hatchery.....	1882
Crockwell, Dr. J. D. M., Clear Lake, Utah, superintendent of fish farm.....	1881-1882
Cummings, Robert, Toledo, Ohio.....	1875-1881
Cutting, Hiram A., M. D., Lunenburg, Vt.....	1882-1885
Dalzell, Robert, Pittsburgh, Pa.....	1879-1884
Darby, P. H., Princeton, Ky.....	1876-1883+
Davidson, Capt. Hunter, Md.....	1869-1872
Day, Dr. David, Saint Paul, Minn.....	1874
Delawder, Geo. W., Oakland, Md.....	1882-1884
Dexter, Newton, Providence, R. I.....	1870-1883
Dinkins, Hon. J. H., Austin, Tex.....	1879-1881
Doster, Charles S. G., Prattville, Ala.....	1871-1883+
Douglass, Mark, Melrose, Wis.....	1878-1887
Dousman, H. F., Waterville, Wis.....	1876-1877
Downes, P. W., Denton, Md.....	1874-1877
Downs, P. J., Evanston, Wyo.....	1882-1884
Duffy, Hon. James, Marietta, Pa.....	1873-1884
Dunning, Philo, Madison, Wis.....	1879-1885
Edmunds, Dr. M. C., Weston, Vt.....	1871-1873
Ellzey, M. G., Blacksburg, Va.....	1875-1877
Evans, Maj. Jonathan, Fayetteville, N. C.....	1878-1879
Evans, Samuel B., Ottumwa, Iowa.....	1874-1876
Ewing, Henry Clay, Jefferson City, Mo.....	1880
Fairbank, N. K., Chicago, Ill.....	1875-1883
Farwell, J. D., Niles, Alameda County, Cal.....	1870-1882
Ferguson, Maj. T. B., Baltimore, Md. [Address changed to Washington, D. C.].....	1874-1882
Ferguson, H. B., Astoria, Oreg.....	1879-1881
Field, Alfred R., Greenfield, Mass.....	1866-1869
Fifield, Andrew C., Enfield, N. H.....	1874-1876
Fish, N. H., Pine Bluffs, Ark. [deceased].....	1876-1877
Fisher, John C., Coshocton, Ohio.....	1875-1881
Fletcher, Calvin Spencer, Ind.....	1881
Fletcher, Dr. Wm. W., Concord, N. H.....	1869-1874
Ford, Samuel H., Connecticut.....	1870
Foss, S. S., Rhode Island [deceased].....	1868-1870
Foster, Nathan W., East Machias, Me.....	1867-1868
French, Asa, South Braintree, Mass.....	1873-1884
Gallup, Albert S., No. 8 E. 54 street, New York, N. Y. (Rhode Island).....	1868
Garrard, Hon. T. T., Manchester, Ky.....	1876-1879
Gile, W. S., Venango, Kans.....	1883-1885
Goble, A. H., Catlettsburg, Ky.....	1880-1884
Golcher, William, Saint Paul, Minn.....	1876-1878
Goldsmith, Dr. M., Rutland, Vt.....	1871-1881
Gosper, John J., Prescott, Ariz.....	1881-1883+
Gramm, Otto, Laramie City, Wyo.....	1882-1884
Green, Seth, Rochester, N. Y., superintendent.....	1868+

Griffith, Joseph, Louisville, Ky., superintendent.....	1876-1883+
Griffith, William, Louisville, Ky.....	1876-1883+
Hager, Albert D., Proctorsville, Vt. [Address changed to Chicago, Ill.]..	1866-1870
Haines, Charles H., Waterloo, Iowa	1874-1876
Harris, J. W., Lewisburg, W. Va.....	1877-1878
Harris, Col. L. A., Cincinnati, Ohio.....	1878-1883+
Hatch, Thomas E., Keene, N. H.....	1869-1874
Hayes, Luther, Milton, N. H.....	1876-1886
Henderson, Hon. J. T., Atlanta, Ga.....	1879-1886
Hewitt, Benjamin L., Hollidaysburg, Pa.....	1873-1884
Hicks, Edward D., Nashville, Tenn.....	1882-1883+
Hodge, E. B., Plymouth, N. H., superintendent of hatchery.....	1878-1879
Holt, Col. S. M., Haw River, N. C.....	1878-1879
Hooper, Moses, Oshkosh, Wis.....	1878
Hornbrook, James, Little Rock, Ark.....	1880-1883+
Howell, Dr. B. P., Woodbury, N. J. [deceased October 10, 1882].....	1870-1882
Howell, D. Y., Toledo, Ohio, superintendent.....	1882
Hoy, Dr. P. R., Racine, Wis.....	1874-1878
Hudson, William M., Hartford, Conn.....	1870-1886
Hughlett, Thomas, Easton, Md.....	1878-1884
Hummel, John, Selin's Grove, Pa.....	1879-1884
Hundley, D. B., Courtland, Ala.....	1871-1883+
Huske, C. J., Richland, S. C., superintendent.....	1880-1883+
Hussey, John, Lockland, Ohio.....	1873-1874
Hutchinson, Christopher, Beetown, Wis.....	1878-1886
Janes, Thomas P., Atlanta, Ga.....	1876-1879
Jenkins, Richard S., Camden, N. J.....	1882-1883
Jerome, George H., Niles, Mich.....	1873-1878
Jones, James V., Oshkosh, Wis.....	1879-1886
Kaley, H. S., Red Cloud, Nebr.....	1879-1882
Kellogg, Andrew J., Detroit, Mich.....	1874-1885
Kennedy, B. E. B., Omaha, Nebr.....	1882-1885
Kew, Prof. W. C., Raleigh, N. C.....	1878-1879
Klippart, John H., Columbus, Ohio [deceased].....	1873-1877
Laffoon, Polk, Madisonville, Ky.....	1876-1877
Latham, A. W., Excelsior, Minn.....	1874-1875
Leinenweber, C., Astoria, Oreg.....	1879
Livingston, Dr. Robt. R., Plattsmouth, Nebr.....	1879-1884
Logan, Dr. John S., Saint Joseph, Mo.....	1882-1883
Long, Hon. D. B., Ellsworth, Kans.....	1877-1883
Lowry, N. M., Hinton, W. Va.....	1879-1885
Lubbock, John B., Austin, Tex.....	1883-1883+
Luddington, Gov. Harrison, Milwaukee, Wis.....	1876-1877
Lyman, Theodore, Brookline, Mass.....	1865-1881
McDole, S. P., Aurora, Ill.....	1881-1884
McDonald, Col. M., Lexington, Va. [Address changed to Washington, D. C.].....	1879-1883
McDowell, Judge W. W., Memphis, Tenn.....	1877-1883+
Macks, W. O., Paris, Mich., superintendent.....	1882-1883+
McGehee, Munford, Raleigh, N. C.....	1880
Mallory, John H., Böwling Green, Ky.....	1882-1886
May, William L., Fremont, Nebr.....	1879-1883
Miller, Eli R., Richland, Mich.....	1875-1883
Miller, G. M., Wilkes Barre, Pa.....	1879-1884
Miller, Henry B., Wheeling, W. Va.....	1877-1885

Moore, Enoch jr., Wilmington, Del.....	1881-1883
Morford, Theodore, Newton, N. J.....	1878-1883
Moseley, A., Richmond, Va.....	1875-1877
Mosher, A. A., Spirit Lake, Iowa.....	1882-1884
Nevins, James, Wisconsin, superintendent.....	1882
Noyes, Oliver H., Henniker, N. H.....	1874-1876
Palmer, Alfred, Boscobel, Wis.....	1874-1877
Parker, Hubb. G., Carson City, Nev.....	1877-1885
Parker, Dr. Joel C., Grand Rapids, Mich.....	1877-1887
Pearce, E. D., Providence, R. I.....	1868
Pearce, Gen. N. B., Osage Mills, Ark.....	1876-1881
Pike, Robert G., Middletonn, Conn.....	1870-1886
Polk, L. L. Raleigh, N. C. [deceased May 26, 1880].....	1877-1880
Portman, James G., Pokagan, Mich.....	1879-1881
Post, Henry C., Sandusky, Ohio.....	1881-1883+
Potter, Emery D., Toledo, Ohio.....	1875-1881
Powers, Albina H., Grantham, N. H.....	1876-1886
Pratt, Dr. W. A., Elgin, Ill.....	1875-1879
Price, W. C., Danville, Ky.....	1880-1884
Putnam, F. W., Cambridge, Mass.....	1879-1884
Quinn, F. W., Lander, Wyo.....	1882-1884
Rankin, James, Old Saybrook, Conn.....	1868-1869
Reardon, John E., Little Rock, Ark.....	1880-1883+
Redding, B. B., San Francisco, Cal. [deceased, 1882].....	1870-1880
Redding, Joseph D., San Francisco, Cal.....	1882-1883+
Reed, Alfred A., Rhode Island.....	1868-1883
Reed, Alfred A., Massachusetts [deceased].....	1865-1866
Reed, Alfred A., jr., Providence, R. I.....	1871-1883
Reeder, Hon. Howard J., Easton, Pa.....	1873-1884
Reid, Col. John, Lexington, Mo.....	1877-1883
Riddle, George W., Manchester, N. H.....	1882-1887
Robertson, R. R., Austin, Tex.....	1881-1883
Robertson, Dr. W. B., Lynchburg, Va.....	1875-1877
Robinson, Henry C., Hartford, Conn.....	1866-1869
Rockwood, A. F., Salt Lake City, Utah.....	1871-1879
Root, Henry J., Providence, R. I.....	1883-1883+
Rosevelt, Robert B., New York, N. Y.....	1868-1883+
Rottaken, H. H., Little Rock, Ark.....	1882-1883+
Rule, Richard, Tombstone, Ariz.....	1881-1883+
Runsey, Capt. Henry B., Laramie City, Wyo.....	1879-1881
Russell, F. W., Hartford, Conn.....	1866-1869
Sanborn, W. A., Weirs, N. H.....	1865-1874
Seymour, Horatio, Utica, N. Y.....	1868-1878
Shaw, Benjamin F., Anamosa, Iowa.....	1874-1884
Sherman, Col. Amos, Woonsocket, R. I.....	1883-1883+
Sherman, Richard U., New Hartford, N. Y.....	1879-1883+
Shortwell, J. R., Rahway, N. J.....	1873-1877
Sisty, Wilson E., Denver, Colo.....	1879-1883
Slack, Dr. J. H., Bloomsbury, N. J. [deceased].....	1870-1873
Smith, Edward M., Rochester, N. Y.....	1872-1883+
Smith, Everett, Portland, Me.....	1879-1882
Smith, Gov. William E., Madison, Wis.....	1878-1880
Sneed, Hon. H. H., Chattanooga, Tenn.....	1880-1883+
Spalding, Dr. Edward, Nashua, N. H.....	1881-1882
Stanley, Henry O., Dixfield, Me.....	1872-1883

Steedman, Dr. Isaiah G. W., Saint Louis, Mo	1879-1883
Steele, Hon. John A., Midway, Ky	1876-1883+
Steelman, J. R., Little Rock, Ark. [deceased].....	1876-1877
Sterling, Dr. E., Cleveland, Ohio	1873-1874
Stillwell, E. M., Bangor, Me	1872-1886
Stream, Albert T., North Cove, Wash	1877-1882
Sweeny, Robert Ormsby, Saint Paul, Minn	1875-1884
Sweney, William M., M. D., Red Wing, Minn.....	1883-1884
Sweney, William W., M. D., Red Wing, Minn. [deceased Aug. 12]	1878-1882
Taggart, J. H., Yuma, Ariz	1881-1883+
Talbot, Thomas, North Bellerica, Mass	1870-1872
Thomas, Pack, Louisville, Ky	1876
Timmons, William E., Snow Hill, Md.....	1873
Tompkins, C. H., New York, N. Y. (formerly Rhode Island)	1868
Traylor, W. W., San Francisco, Cal	1882-1883
Trespan, Capt. J. R., Tarborough, N. C	1878-1879
Trockmorton, S. R., San Francisco, Cal.....	1870-1883
Turley, Hon. W. T., Knoxville, Tenn.....	1877-1880
Tyler, Robert, Montgomery, Ala	1872-1880
Valentine, C. L., Janesville, Wis	1879-1887
Van Antwerp, Dr. William, Mount Sterling, Ky.....	1880-1884
Vance, Hon. Z. B., Charlotte, N. C.....	1878-1879
Wadleigh, John S., Laconia, N. H.....	1874-1876
Walker, John B., Madisonville, Ky. [moved and address lost].....	1878-1883+
Wall, Asa, Winchester, Va	1871-1874
Walton, Hon. C. J., Munfordville, Ky	1876-1883+
Watkins, S. S., Minn., superintendent	1882
Webber, Col. Samuel, Manchester, N. H.....	1876-1881
Weeks, Seth, Corry, Pa., superintendent hatchery.....	1882
Welch, William, Madison, Wis	1874-1878
Welsher, H. W., Madison, Wis	1878-1881
Welsher, W. A., Madison, Wis	1878
Wheatland, Henry, Salem, Mass.....	1857
White, Christian S., Romney, W. Va	1877-1885
Wilson, P. M., Raleigh, N. C	1880
Woodbury, John G., San Leandro, Cal., superintendent of fishery	1883+
Woodruff, George N., Sherman, Conn.....	1880-1884
Woodson, Hon. Silas, Saint Joseph, Mo	1879-1883
Woodward, Henry, Middletown, Conn	1868-1869
Worrall, James, Harrisburg, Pa	1870-1872
Worth, S. G., Morgantown, N. C.....	1878-1883+
Wright, William, Newark, N. J.....	1883-1883+
Dibble, A. B., Grass Valley, Cal	1883-1884
Douglass, Henry, Sandusky, Ohio, superintendent	1883
Eckardt, Chas. George, St. Louis, Mo., superintendent	1883

7.—GROWTH AND PROTECTION OF CARP FROM TURTLES, ETC.

By EDWARD STABLER.

[From a letter to Rudolph Hessel.]

Professor Baird and yourself have afforded me so much gratification that I can do no less that again thank you for the pleasure you have