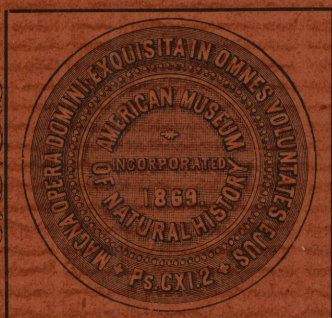


THE
American Museum of Natural History

CENTRAL PARK, NEW YORK CITY.

(77th Street and 8th Avenue.)



ANNUAL REPORT OF THE PRESIDENT,
ACT OF INCORPORATION,
CONSTITUTION, BY-LAWS AND LIST OF MEMBERS
FOR THE YEAR 1893.

PRINTED FOR THE MUSEUM.

THE
AMERICAN MUSEUM OF NATURAL
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NEW YORK:
PRINTED FOR THE MUSEUM.

1894.

WM. C. MARTIN PRINTING HOUSE

NO. 111 JOHN STREET

NEW YORK

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1894.

MORRIS K. JESUP.	C. VANDERBILT.
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CHARLES EARLE.

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Assistants.

JAMES TERRY,

W. BEUTENMÜLLER,

A. WOODWARD, PH.D.,

Librarian.

JOHN ROWLEY, JR.,

Taxidermist.

WILLIAM WALLACE,

Superintendent of Building.

TWENTY-FIFTH ANNUAL REPORT.

To the Trustees and Members of the American Museum of Natural History :

Your attention is invited to the following report of the operations of this Institution during the year just closed.

FINANCES.—The Treasurer's Report exhibits the following receipts and expenditures :

RECEIPTS.

From the City.....	\$65,000.00
State Department of Public Instruction.....	9,000.00
Income from Endowment Fund.	17,100.00
Annual Members' dues.....	6,700.00
Admission fees.....	663.75
W. H. Osborn, subscription.....	1,500.00
From other sources.....	758.65
	<u>\$100,722.40</u>

EXPENDITURES.

Deficiency, January 1st, 1893.....	\$27,306.96
Maintenance.....	81,297.86
Payments for Collections, special purchases, and publication of the Bulletin and Memoirs.....	22,744.82
	<u>\$131,349.64</u>

Total Expenditures.....	\$131,349.64
Total Receipts.....	100,722.40
" Dr." balance.....	<u>\$30,627.24</u>

The increase of the collections rendered necessary the construction of new cases, which were made by the Trustees at their own cost, to which is largely due the "Dr." balance.

The estimated receipts for the year fell short about \$3500, and it may also be noted in this connection that the cost of properly maintaining the Museum was in excess of the amount allowed by the City.

NUMBER OF VISITORS.—There has been no diminution of the attendance on Sunday ; on the contrary, the interest appears to have increased. The total number of visitors during the year was 612,528. On some of the prominent holidays the attendance has exceeded ten thousand persons per day.

THE TERMS OF CHAPTER 423 OF THE LAWS OF 1892 having been modified by the Legislature of 1893, in conformity with the wishes of the Trustees, the Board of Estimate and Apportionment appropriated for a new wing the sum of four hundred thousand dollars (\$400,000) in accordance with the provisions of the Act.

The plans prepared by the architects appointed by the Trustees (Messrs. J. C. Cady & Co.) were submitted to, and approved by, the city authorities. The addition, or, as it may be properly termed, the East Wing, will present a frontage of one hundred and fifty-seven feet on Seventy-seventh Street, with a depth of sixty-seven feet, providing five fully-lighted halls for exhibition purposes.

In connection with this subject, it is a pleasure to refer to the prompt and liberal action of the municipal administration in coöperating with the Trustees, to provide the Museum with enlarged facilities for the display of the specimens. This recognition of the work of the Trustees furnishes encouragement in their efforts to make this Institution one of the most important of its kind in the country.

It is also evident at this time that a further appropriation will be required to equip and complete the new wing, and to provide for the alteration and full equipment of the old building made necessary by the erection of the East Wing. This work is receiving our most earnest attention.

The Board of Estimate and Apportionment placed at the disposal of the Trustees the sum of \$65,000 for the maintenance of the Museum during 1893. This sum, however, was inadequate for its purpose, the Trustees having to provide for a considerable deficiency.

CHARGE FOR ADMISSION.—For the first time in the history of the Museum the system of charging visitors a fee for admission

on the reserved days was agreed to by the authorities. The plan was put in operation on the first day of last August, but the receipts for the last five months of the year are not a fair criterion of the result to be expected in the future.

LUMHOLTZ EXPEDITION.—The investigations carried on by Dr. Carl Lumholtz in Northern Mexico were continued during the year. The judgment of the highest authorities in this country warrant the statement that the results thus far achieved are of great scientific interest and value.

EMMONS ALASKAN COLLECTION.—The second collection gathered by Lieut. George T. Emmons, U. S. Navy, and which was incorporated in the Federal Government's Exhibit at Chicago, has been brought to the Museum for temporary display and inspection by our friends, and it is hoped that the Museum may acquire it. It contains a much wider range of objects than the first collection purchased for the Museum in 1888, and numbers 2900 pieces.

With the Emmons Collections from Alaska, the Bishop Collection from British Columbia, the archæological material bought of James Terry, and the Collections made by Dr. Lumholtz in Mexico and by Dr. Bandelier in Peru, the Museum contains material very fully representing the ethnology and archæology of the Pacific Coast. The territory yet uncovered will soon, I hope, be visited by explorers in the interest of the Museum.

LECTURES.—The joint agreement with Columbia College has been continued, whereby several courses of lectures were delivered, principally on subjects relating to the collections. Large audiences have been present on each occasion, and in many instances even standing room has not been available. Although these lectures were a radical innovation, no question can be raised as to their great value. They have come to be a most valuable auxiliary in bringing the collections before a larger class of the people, and have provided the means of broadening the educational influence of the Museum. Much of the value of the collections depends upon the wide use made of the material, and by

this means it is sought to make them instructive and interesting to our citizens.

The usual courses of twenty lectures to the teachers of the Public Schools have been delivered by Professor Bickmore during the spring and fall, under the joint contract between this Institution and the State Superintendent of Public Instruction. The Act continuing this work passed the last Legislature and received the approval of Governor Flower. In addition to the free lectures to the public delivered by Professor Bickmore in the afternoon of New Year's, Washington's Birthday, Thanksgiving and Christmas, he has also given the following four lectures to members of the Museum during November and December :

World's Fairs, from London, 1851, to Paris, 1889.

The Columbian Exposition of 1893—Its Organization and Administration.

Department of Mines and Mining—Iron, Copper and Salt.

Department of Mines and Mining—Silver, Gold and Diamonds.

Reference must also be made to the system inaugurated this year, of giving a series of talks or informal lectures in the library Saturday afternoons. These have been delivered by the assistant curators of the several departments, and were illustrated by specimens from the collections. The plan at once met with pronounced and popular favor, and has demonstrated the need of a small lecture hall for this purpose.

MEETINGS OF SCIENTIFIC SOCIETIES.—The New York Microscopical Society again held its Annual Exhibition at the Museum, and the attendance largely exceeded that of the previous year.

Other scientific bodies hold their regular meetings in the building, and its use by such societies is encouraged.

MEETINGS OF THE FACULTY.—The adoption of a plan to ensure a uniform system of labeling has long been desired, and to this end the President has called the Faculty together on several occasions. The discussions have resulted in the adoption of a popular and instructive series of labels, and a better devised system for the exhibition of the material.

Reference is made in another part of this report to the decease of the late Mr. Benjamin H. Field and Mr. Charles G. Landon. Through the death of these gentlemen the Trustees have lost two valued associates, whose services were always directed in the interest of the Museum.

FORESTRY COLLECTION.—A large section of Tideland Spruce and one of Douglas Fir have been added to this department through the kindness of Hon. W. F. Matlock, Pendleton, Oregon.

Forty small sections of plank, and the same number of specimens showing bark, were also donated by the Japanese Commissioners.

Both of these donations were a part of the Forestry exhibit of the late Columbian Exposition.

GEOLOGICAL DEPARTMENT.—The usual work of labeling and cataloguing has been carried forward in the Palæontological Collections. Many important additions were made to the Mineral Department. The large examples of Malachites, Azurites and Stalactites, the gift of the Copper Queen Consolidated Mining Company, are the most important and conspicuous objects in the department.

Beautiful sections of Agatized Wood from Arizona were donated by the Hon. Seth Low, LL.D., President of Columbia College, and by N. W. Bell, Esq.

A fine crystal of Beryl, and a boulder containing Chrysolite, were presented by Dr. O. P. Hubbard.

Mr. J. Stanton, President of the Central Mining Company, Lake Superior, donated a large block of crystallized native copper.

A group of rough moss Agates and Calcedony from Cuba, W. I., were given by Señor Lopez De Lara.

A very rich specimen of crystallized silver from the Bland Mine, Richmond Basin, Arizona, has been added to this collection. This, and other showy material, was acquired by purchase.

CONCHOLOGICAL COLLECTION.—This collection has been enlarged by the addition of material heretofore not displayed.

Much still remains packed in the study rooms for want of exhibition space. The major portion of the D. Jackson Steward Collection has been determined, labeled and arranged in the cases.

DEPARTMENT OF MAMMALS, BIRDS, REPTILES AND FISHES.—The accessions received during the year have been derived mainly from Museum expeditions, a few mammals and birds being added by purchase, while the most noteworthy gift is a small collection of birds and reptiles from the late Charles Slover Allen, M.D., of this city. Many valuable specimens have been received by exchange. A large Alligator Gar was presented by Lieut. J. G. Ord, U. S. A.

As usual, many valuable specimens have been received in the flesh from the Central Park Menagerie, through the courtesy of the Commissioners of the Department of Public Parks. A number of mounted skeletons and several hundred skulls were added to the resources of this department during the year.

DEPARTMENT OF TAXIDERMY.—In addition to the current work of this department the whole collection of mounted birds has been revised and put in order, repairs being made where found necessary. The Woodchuck Group has been repaired and placed on display, and the preparation of the Moose Group—a companion piece to the Bison Group—is well advanced.

DEPARTMENT OF ENTOMOLOGY.—More than three thousand specimens were added to this collection through expeditions to localities in the neighborhood of this city and in Connecticut.

The Butterflies and Moths of the Henry Edwards Collection were transferred to cases constructed for their reception, and these, as also similar material from the Elliot and Angus Collections, are now easily accessible, and frequent use is being made of them by students and specialists. Satisfactory progress has been made in the work of cataloguing and numbering the specimens.

DEPARTMENT OF MAMMALIAN PALÆONTOLOGY.—I desire to congratulate the Trustees on the great success of this department. Although only in the third year of its establishment, the

work thus far accomplished is unequalled by that of any other department for a similar period. It is believed that the collections already equal in importance those secured by other Institutions through many years of effort. The plan adopted in the display of this material is unique, many new features having been introduced. The intention to form a great collection to represent the evolution of the mammals of North America is being successfully carried out.

Thus far the expeditions to the Rocky Mountain Region have secured one thousand four hundred and eighty-eight specimens. During the past season the explorations were continued under Dr. J. L. Wortman, and the material collected gives very gratifying results. The latter part of the trip was spent in the Bridger Basin, Wyoming, and here the greatest success was met with, fifteen perfect skulls having been obtained. The expedition also secured some of the remains of the monkeys, horses, tapirs, primitive rhinoceroses and rodents of this period, many of which were in an unusually perfect state of preservation. The most notable specimen in the collection is the complete skeleton of a large Carnivore of the size of a tiger, which has been mounted upon a stone panel, and is the most perfect specimen of the kind ever found. These fossils are being placed temporarily in two cases in the hallway of the Geological floor pending the construction of the East Wing.

A new system of descriptive pictorial labels has been designed for the collections in this department. Each large label will show a restoration of the animal, and smaller labels give figures of the skeleton showing in black the portion displayed. To supplement these pictorial labels, a series of ideal scenes of the geological periods represented have been prepared, showing landscapes and groups of animals characteristic of each.

The services of Professor Henry F. Osborn as Curator of this department are gratuitous, the department being further assisted by an annual contribution from W. H. Osborn, Esq.

DEPARTMENT OF ARCHÆOLOGY AND ETHNOLOGY. — Much time was consumed in the work of revising and comparing the original catalogues with the later ones prepared for the depart-

ment, causing a delay in the numbering, labeling and cataloguing of other material.

The collection of Jadeites and Nephrites, purchased of George F. Kunz, have been numbered and displayed in connection with other material of this nature, owned by the Museum.

Plans for additional desk cases have been prepared for this department, such cases being urgently needed.

LIBRARY.—The accessions to the library have not been equal to those of the preceding year, although the increase has nearly filled the shelves. How to provide additional space for the material will be a question to be considered during the coming year. In view of the average number of yearly accessions it is evident that the present accommodations will soon become insufficient. The total number of volumes now exceeds twenty-eight thousand, and there is a large collection of maps. Of the above number one thousand five hundred and seventy-seven volumes were added this year, largely through purchase and exchange. The increase in the number of teachers, students and scientists who make use of the library for the purpose of research is very noticeable.

Mr. Samuel P. Avery donated eighty-five volumes of rare and useful works on Botany, Conchology and Zoölogy. Other valuable gifts were received from the Hon. Levi P. Morton, Hon. Roswell P. Flower, Mr. Morris K. Jesup, Albert, Prince of Monaco, and Hon. N. S. Reimer, U. S. Minister to Cuba. Mrs. C. Sniffen presented three original water-color drawings of the Smithsonian Institution, and three rare engravings.

PUBLICATIONS.—During the year another complete volume of the Museum Bulletin (Vol. V) has been published, and Part I of the quarto series of Memoirs has appeared. The Bulletin consists of twenty-one papers prepared by the curators, making about three hundred and sixty pages, with eight plates and seventeen cuts in the text. The Department of Mammals and Birds is represented by thirteen papers; the Department of Mammalian Palæontology by five, and the Department of Entomology by three. The Geological Department is represented

by a paper of thirty-seven quarto pages, and three plates published in the Memoirs.

ENDOWMENT FUND.—The importance of a much larger Endowment Fund has frequently been brought to your notice in former reports. Only the interest of the present fund is available for the purchase of collections, and with the rapid growth of the Institution our usefulness may be seriously retarded by the lack of means to acquire new and important material. There are occasions when the inability to purchase a collection may work great injury. Our citizens have but little conception of the rapidity with which the Museum has grown during the past few years, and if this growth is to continue we need to be placed in a position to take advantage of favorable opportunities. An addition of five hundred thousand dollars to our Endowment Fund would yield an increase of income sufficient to maintain the present progress of the Museum for many years. The Institution has been fortunate in the aid thus far received from its friends, but I may be pardoned for repeating that the income devoted to the enlargement of the collections has not been nearly sufficient for that purpose. The advancement has been most gratifying even under unfavorable conditions, but this fact only serves to emphasize the need of greater means.

It is with pleasure that I refer to the zealous assistance afforded me by my associate Trustees in administering the affairs of the Museum. They have willingly given every aid that attention and money could render, and to them the Institution is largely indebted for its prosperity.

In closing, it is but just to note the faithful service rendered by the curators and heads of departments, and by all the employees of the Museum, for which I desire to express my cordial appreciation.

MORRIS K. JESUP,
President.

Dr.

THE AMERICAN MUSEUM OF NATURAL HISTORY

To Balance January 1st, 1893..... \$27,306 96

Endowment :

EXPENDITURES.

To Bulletin Account.....	\$2,395 39	
Mineralogical Account.....	254 00	
Entomological Account.....	32 35	
Reptiles and Fishes Account.....	15 43	
Conchological Account.....	50 00	
Skeletons Account.....	752 95	
Guides Account.....	44 50	
Annual Report Account.....	438 50	
Appleton Sturgis Collection.....	4,274 38	
Spang Collection.....	1,639 59	
Mammal Groups Account.....	284 87	
Ethnological Account.....	71 80	
Geological Account.....	1 60	
Library Account.....	881 64	
Bird Groups Account.....	11 65	
Mammalogical Account.....	830 19	
Edwards Entomological Collection.....	600 00	
Terry Collection.....	4,811 76	
Lumholtz Expedition.....	450 00	
Ornithological Account.....	143 47	
Mammalian Palæontology Account.....	4,160 75	
Kunz Collection.....	600 00	22,744 82

Maintenance :

To Traveling Expense Account.....	\$455 76	
Coal Account.....	5,076 35	
Postage Account.....	306 53	
Cases Account.....	106 45	
Fixtures and Furniture Account.....	1,474 82	
Repairs Account.....	3,719 01	
Expressage Account.....	317 67	
Stationery Account.....	473 77	
Expense Account.....	3,298 53	
Labor Account.....	23,430 24	
Salary Account.....	29,069 23	
Lecture Department Account.....	7,206 76	
Supplies Account.....	3,120 33	
Printing Account.....	64 00	
Labels Account.....	1,126 11	
Interest on "Dr." Balances.....	2,052 30	81,297 86

\$131,349 64

Balance January 1, 1894..... \$30,627 24

Examined { THEODORE A. HAVEMEYER, } Auditing
and approved, { GEORGE G. HAVEN, } Committee.

RECEIPTS.

Endowment :

Interest on Invested Funds.	\$17,100 00	
Sale of Guides.....	160 65	
Collecting Permits....	48 00	
W. H. Osborn, Subscription	1,500 00	
Lumholtz Expedition.....	450 00	
Life Members Account, Subscription of W. B. Isham	100 00	
Dues from Annual Members.....	6,700 00	
Admission Fees Account.....	663 75	\$26,722 40

Maintenance :

Department of Public Parks.....	\$65,000 00	
State Superintendent of Public Instruction	9,000 00	74,000 00
Balance January 1, 1894.....		30,627 24

\$131,349 64

[E. & O. E.] NEW YORK, *January 2, 1894.*

CHARLES LANIER, *Treasurer.*

FORM OF BEQUEST.

*I do hereby give and bequeath to "THE AMERICAN MUSEUM OF
NATURAL HISTORY," in the City of New York,*.....
.....
.....

LIST OF ACCESSIONS, 1893.

DONATIONS.

LIBRARY.

MORRIS K. JESUP, New York City.

Missouri Botanical Garden. Fourth Annual Report. 1893.

Natural History of N. Y. Palæontology. Vols. V-VII, Pts. 1 and 2.

Tenth Census of U. S. Vol. X. 1880.

Thirty-fifth and Thirty-sixth Annual Reports of Department Public Instruction.

Catalogue of the Library of the School of Mines, Columbia College. July, 1875.

Annual Report of the Board of Regents. Smithsonian Institution. 2 vols. 1884-1885.

Proceedings of the American Association for Advancement of Science. 5 vols. 1880-'85.

Papers of the American School Classical Studies at Athens. Vol I. 1882-'83.

Articles on Anthropological Subjects from 1863-1877. By C. Rau.

The American Journal of Archæology. Jan.-Mar. 1893.

An Address delivered before the N. Y. Historical Society, etc. By J. Jay.

A History of the N. Y. Academy of Sciences. By H. LeRoy Fairchild.

Biographical Sketch of Robt. L., and Alex. Stuart.

The Benefits which Society derives from Universities. By D. C. Gilman.

Twenty-seventh and Twenty-eighth Annual Reports N. Y. State Museum. 1874-'75.

Handbook of Information concerning the School of Biology.

Outline of Plans for an Abundant Supply of Water to N. Y. City.

Langskibet fra Gokstad ved Sandefjord. N. Nicolaysen.

The Festival-Hall of Osorkon II., in the Great Temple of Bubastis. By E. Naville.

Naukratis. Part II. By E. A. Gardner.

Christ Before Pilate. By M. de Munkacsy.

Christ on Calvary. By M. de Munkacsy.

Report to the Aqueduct Commissioners. By J. C. Spencer. 7 Pamphlets.

Six Odd Numbers of Scientific Journals.

HON. A. S. HEWITT, New York City.

Official Gazette of the United States Patent Office. Vols. LXII, LXIII, LXIV, LXV. 1893.

Alphabetical List of Patentees and Inventions. 1892-'93.

Annual Report Commissioner of Patents. 1891.

HON. R. P. FLOWER, New York City.

War of the Rebellion. Series I. Vols. I-IV; XL, parts 2, 3; XLI, parts 1-4; XLII, part 2.

Atlas of the War of Rebellion. Parts 11-23. 1893.

S. P. AVERY, New York City.

A Complete Herbal. By J. Newton. 1752.

Ferns. By F. W. Newman. 3 works in one. 1842-'44.

Eleven Colored Drawings of Indian Plants and Insects, etc. By T. B. Reichel. 1787.

Antediluvian Phytology. By E. T. Artis. 1825.

Abbildungen der Pflanzen. By Milliers. 1768.

Fifty-eight Water Colored Drawings. By Hills.

Groups of Flowers. By Geo. Brookshaw. 1819.

Botanical Prints. 1800-1806.

English Moths and Butterflies. 120 Copper plates. By B. Wilkes. 1773.

Sammlung von Schnecken und Muscheln welche im Meer gefunden werden. By G. W. Knorr. 3 vols. 1757-1773.

A Curious Herbal. By E. Blackwell. 2 vols. 1737-'39.

Figures of nondescript Shells. Universal Conchologist. By T. Martyn. 2 vols. 1789.

Organic Remains of a Former World. By J. Parkinson. 3 vols. 1811.

Botanical Manuscript.

Drawings of Leaves.

A Catalogue of rare or remarkable Phaenogamous Plants. By G. E. Smith. 1829.

Le Chien, son Histoire, ses Exploits, ses Aventures. By A. Barbou. 1883.

A New Family Herbal. By R. J. Thornton. 1810.

A General View of the Writings of Linnaeus. By R. Pulteney. 1805.

Hesperides sive de Malorum aureorum cultura et usu. By Ferrarii. 1646.

Flora Rossica. By P. S. Pallas. 1784-1788.

Eden ; or a complete body of Gardening, etc. By J. Hill. 1757.

Les Genres des Insectes de Linné, etc. By J. Barbut. 1781.

La Première Partie de l'Histoire Entiere des Poissons. By Dr. Guil Rondelet. 1558.

Essay on Modern Gardening. By Horace Walpole. 1785.

Over Vruchten en Gewassen. By J. H. Knoop. 1790.

Répertoire des Plantes Utiles et des Plantes Vénéneuses du Globe and Atlas. By E. A. Duchesne. 2 vols. 1836-1840.

De Natuurlyke Historie der Insecten, etc. By A. J. Rösel. 8 vols. 1766.

Botanistes, Collection de 39 lettres autographes.

Botanical Extracts or Philosophy of Botany. By R. J. Thornton. 2 vols. 1810.

Elementary Botanical Plates illustrative of the Science of Botany. By R. J. Thornton. 2 vols. 1810.

The New Botanic Garden, illustrated with 133 Plants, etc. By S. Edwards. 2 vols. 1812.

Flora Española, ó Historia De Las Plantas que se crean en España. By D. J. Quer. 4 vols. 1762-1764.

The Poets of the Woods. Twelve Pictures of English Song Birds. 1853.

The Natural History of Barbados. By G. Hughes. 1750.

Flora Scotica, Systematic Arrangement Plants. Scotland and Hebrides, Linn. By J. Lightfoot. 2 vols. 1777.

Histoire Naturelle des Oiseaux D'Afrique. By F. Levaillant. 6 vols. 1805-1808.

Der monatlich-herausgegebenen — Insecten Belustigung — Dritter Theil. By A. J. Rösel. 1755.

Arrangement of British Plants, Latest Improvements Linnean System. By J. Withering. 5 vols. 1830.

The Floricultural Cabinet and Florist's Magazine. 14 vols. 1833-1846.

- HON. LEVI P. MORTON, New York City.
 Report of U. S. Geological Survey. By Hayden. Vol. XIII. 1890.
 Congressional Record. Vol. XX. 4 parts. 1889. 4 vols.
- PROF. J. A. ALLEN, New York City.
 The Weekly Review. 3 vols. 1892.
 Proceedings of the Natural History Society of Glasgow. 4 vols.
 1883-1892.
 The Naturalist. 8 vols. 1884-1892.
 Ornithologist and Oölogist. 1890.
 The Geographical Origin and Distribution of N. A. Birds, etc. 1893.
 2 Pamphlets.
 The Ornithologist and Botanist. 1891.
 Ornithologische Jahrbuch. 3 vols. 1890-1892.
 Nature's Realms. 3 Nos. 1891.
- PROF. A. S. BICKMORE, New York City.
 Analytical Index to Barnard's American Journal of Education. 2
 vols. 1892.
 The Mining Industry of Japan during the last 25 years. By W. Tsuna-
 shiro. 1867-'92.
 Tenth Annual Report Minnesota Trade and Commerce, ending Dec.
 31st, 1892.
 Mines et Minéraux de la Province de Québec. By J. Obalski.
 1889-'90.
 Catalogue of the Michigan Mining School. 1891-'92.
 Bureau of Education, Circular of Information. Nos. 2, 4, 5, 6. 6
 vols. 1891.
 15 Odd Numbers of Journals, etc.
 329 Numbers Forest and Stream.
 15 Copies of Official Bulletin of World's Columbian Exposition. 1893.
 56 Pamphlets.
 Forty-first Annual Catalogue of Packer Collegiate Institute. 1886.
 The Evergreen State Souvenir, containing Review of Resources, etc.,
 State of Washington. By J. D. Hestwood.
 The State of Washington. A Brief History, etc. 1893.
 New South Wales; Statistics, History and Resources. 1893.
 The Aborigines of New South Wales. By J. Fraser. 1892.
 Second Report of the Bureau of Mines. 1892.
- PROF. H. F. OSBORN, New York City.
 2 Vols. Government Publications.
- J. L. WORTMAN, New York City.
 Digest of Appropriations. 1882-'92. Treasury Department. 10 vols.
 University of Pennsylvania. Handbook, information of School of
 Biology. 1889.
 Treasury Department. Annual Report, Surgeon General. 1889.
 11 Pamphlets.
 16 Odd Numbers, Scientific Publications.
- WILLIAM BEUTENMÜLLER, New York City.
 N. A. Lepidoptera. Revised Check List N. A. Noctuidae. By A.
 R. Grote. 1890.
 The First Year Book of the Brooklyn Institute. 1888-'89.
 18 Pamphlets.
 4 Odd Numbers, Scientific Publications.
- SANDERSON SMITH, Staten Island, N. Y.
 World's Fair Matter. 24 Pamphlets and 2 Cards.
 Ninth Annual Report Board Commissioners Central Park. 1866.

- LOUIS DE COPPET BERG (the author), New York City.
Safe Building ; A Treatise, etc. 2 vols. 1890-1892.
Construction in N. Y. City ; Past and Future. 1892.
- CHARLES EARLE (the author), New York City.
A Memoir upon the Genus Palaeosyops Leidy and its Allies. 1892.
- A. A. JULIEN (the author), New York City.
Notes of Research on the N. Y. Obelisk. 1893.
- MISS L. S. WOODWARD, New York City.
8 Odd Numbers, Scientific Publications.
- MRS. CATHARINE SNIFFIN, New York City.
One Engraving, Arts and Sciences. Goupil & Co., Paris. Delaroche and Dupont. 12-17 Centuries.
Two Water Color Drawings. Smithsonian Institution.
- I. B. SNIFFIN, New York City.
The Past and Future of Geology. By J. Prestwich. 1875.
The Telescope. Vol. I. 1824, 1825.
Travels in Europe, Asia and Africa. By Lady Wortley Montagu. 1716.
The Fall of the Alamo. By Prof. Francis Nona. 1879.
The Art of Doing Our Best as seen in Lives and Stories of Workers.
By Halwin Caldwell.
Guide de L'étranger dans Paris et ses Environs. 1877.
The Public Buildings of the City of London described. 1831.
Ninth Annual Report of Denver Chamber of Commerce for year 1891.
1892.
The Building Material Exchange of the City of N. Y. 1890.
Appleton's Traveller's R. R. Guide. 1889.
Socrates. A Translation of the Apology, Crito and Parts of the Phædo of Plato. 1883.
The Light of Asia. By Edwin Arnold. 1880.
Travels in England in 1782. By C. P. Moritz. Vol. I. No. 46. 1886.
A Historical Description of Westminster Abbey. Its Monuments and Curiosities. 1871.
Irish-American Illustrated Almanac. By P. M. Haverty. 1880.
Pictorial Guide to Chicago. What to see and How to see it. Rand, McNally & Co. 1890.
The Coming Man. By Charles Reade. 1878.
American Medical Botany. By J. Bigelow. Vol. III. Part I. 1820.
Reflections of Zimmerman.
Aids to Anatomy. By G. Brown.
Aids to Surgery. By G. Brown.
Aids to Physiology. By B. T. Lowne.
The Cornell University Register. 1881-'82.
The Congressional Globe. 1st Sess. 39th Congress. Parts 1-5, and Appendix. 5 vols. 1865-'66.
Statistics of U. S. (including Mortality, Property, etc.) in 1860. 8th Census.
Manufactures of U. S. in 1860. 8th Census.
Messages and Documents. Reports. Parts 3, 4. 2 vols. 1865-'66.
Messages and Documents. Parts 1, 2, 1865-'66 ; Parts 3, 4, 1864-'65. 4 vols. 1865-'66.
Messages and Documents. Abridgement. 1864-'65 ; 1865-'66. 2 vols. 1864-'66.
Report of the Commissioner of Agriculture for years 1863 and 1864. 4 vols. 1863-'65.
Report of Commissioners of Patents for years 1847, 1862. Vols. I, II ; 1863, Vol. III ; 1864. Vols. I-II ; 1848-'66. 7 Vols.

I. B. SNIFFIN.—*Continued.*

Report of the Joint Committee on Reconstruction. 1st Sess. 39th Congress. 1866.

Letter of Secretary of State, etc., on Commercial Relations of U. S., etc., ending Sept. 30th, 1865. 1866.

Report, Secretary of Treasury on Report, etc., on Commerce and Navigation U. S., June 30th, 1864-'65. 2 vols. 1865-'66.

Report of Joint Special Committee on Condition of Indian Tribes with Appendix. 1867.

Smithsonian Institution. Annual Report for year 1865. 1866.

Report of J. Ross Browne on Mineral Resources, etc., West Rocky Mountains. 1868.

Resources of the Pacific Slope, etc. By J. R. Browne. 1869.

Report on the Topographical Survey of Adirondack Wilderness of N. Y. for 1873. 1874.

Hints on Public Architecture, etc. By Robt. D. Owen. 1849.

Professional Criminals of America. By Thomas Byrnes. 1886.

Report of Fifth Conference, Teachers and Delegates from Friends First-Day Schools in U. S. 1870.

Catalogue of Yale University. 1888-'89.

Fruits and Farinacea the Proper Food of Man. By J. Smith. 1854.

Great Events in Modern History, etc. By J. Frost. 1851.

The American Conflict: History of the Great Rebellion, etc. By Horace Greely. 1864.

Pictorial History of U. S. By J. Frost. I. Vol. 4 vols. in one. 1847.

The American Navy: Authentic History of U. S. Navy. By C. F. Peterson. 1859.

The Secret Service, The Field, The Dungeon and The Escape. By A. D. Richardson. 1865.

Presbyterian Reunion: A Memorial Volume. 1837-1871. 1870.

Catalogue, Apprentices Library for 1874. By J. Schwartz, Jr. 1874.

A Manual of the Botany of Northern U. S. By A. Gray. 1848.

A Guide to Florida, "The Land of Flowers." 1872.

Atlas, designed to illustrate Geography of Heavens. By E. H. Burritt. 1850.

Hypnotism; History and Present Development. By F. Bjornström.

Wealth of the World Displayed. By Reuben Vose.

Atlantic Monthly. 16 vols.

2 Planispheres of the Heavens.

9 Maps.

9 Miscellaneous Volumes.

739 Odd Numbers of Scientific Journals.

105 Pamphlets.

HON. GEO. W. PLUNKITT, New York City.

Legislative Manual. 1893.

F. BRAUN, New York City.

180 Pamphlets.

23 Odd Numbers.

8 Vols. on Geology and Statistics.

3 Unbound Vols. Miscellaneous.

5 Documents relating to Brooklyn Institute.

MUNN & CO., New York City.

Scientific American Supplement. 1893.

DANIEL DRAPER, Ph.D., Director New York Meteorological Observatory.

Annual Report. 1893.

- WALDEMAR KELCH, New York City.
Zeitschrift für Philosophie und Philosophische Kritik.
Auregungen für Kunst, Leben und Wissenschaft.
Unsere Zeit Jahrbuch, Conversations Lexicon. 11 parts, 1857 ; 7 parts, 1858.
Die Wissenschaften im neunzehnten Jahrhundert. 7 parts.
- F. H. LATTIN (the editor), Albion, N. Y.
Young Oologist. Vol. X. 1893.
- C. E. BEECHER (the author), New Haven, Conn.
 5 Pamphlets. 1893.
- E. F. BIGELOW (the editor), Portland, Conn.
The Observer. Vol. IV. 1893.
- PROF. A. E. VERRILL (the author), New Haven, Conn.
Results of the Explorations made by Steamer "Albatross." By A. E. Verrill. 1885.
 5 Pamphlets. 1868-1893.
- F. B. WEBSTER (the editor), Hyde Park, Mass.
The Ornithologist and Oologist. Vol. XVIII ; Nos. 1-7. 1893.
- E. S. MORSE (the author), Salem, Mass.
 2 Pamphlets. 1893.
- A. P. MORSE (the author), Wellesley, Mass.
 1 Pamphlet. 1893.
- W. UPHAM, Somerville, Mass.
 1 Pamphlet. 1893.
- THOS. G. GENTRY, Philadelphia, Pa.
Family Names from the Irish, Anglo-Saxon, Anglo-Norman and Scotch. 1892.
- B. S. LYMAN (the author), Philadelphia, Pa.
 2 Pamphlets. 1893.
- A. S. PACKARD (the author), Providence, R. I.
 7 Pamphlets. 1893.
- D. G. BRINTON (the author), Philadelphia, Pa.
The Native Calendar of Central America and Mexico. 1893.
- F. M. WEBSTER (the author), Columbus, Ohio.
 6 Pamphlets.
- H. S. WILLIAMS (the author), Davenport, Iowa.
 1 Pamphlet. 1888.
- DR. A. P. L. PEASE (the author), Massillon, Ohio.
 1 Pamphlet. 1893.
- E. W. CLAYPOLE, Akron, Ohio.
 1 Pamphlet. 1893.
- A. W. BUTLER (the author), Brookville, Ind.
On Indiana Shrews.
- D. H. RANCK PUBLISHING CO., Chicago, Ill.
The Stone. Vols. VI, VII, 1, 2, 5. 1892, 1893.
- I. C. RUSSELL (the author), Chicago, Ill.
 1 Pamphlet. 1893.
- W. T. WALTERS, Baltimore, Md.
The Percheron Horse. By C. Hays. 1886.
- C. R. ORCUTT, San Diego, Cal.
The West American Scientist. Vol. VIII, 65, 66. 1893.

- G. C. BROADHEAD (the author), Columbia, Missouri.
2 Pamphlets. 1893.
Report on Mineral Waters. 1890-'92.
- G. K. GILBERT (the author), Washington, D. C.
1 Pamphlet. 1893.
- G. F. BECKER (the author), Washington, Ill.
1 Pamphlet.
- C. S. PROSSER (the author), Topeka, Kansas.
1 Pamphlet. 1893.
- C. H. T. TOWNSEND (the author), New Mexico.
10 Pamphlets.
- FERNANDO FERRARI PEREZ, Tacubaya, D. F., Mexico.
Cosmos. Tome II, Nos. 1-10. 1893.
- N. S. REIMER, Minister to Cuba.
Repertorio Fisico-Natural de la Isla de Cuba. By F. Poey. 1865-1868.
Contribucion á la Mamalogia Cubana. By Dr. J. Gundlach. 1877.
" " Ornitologia " " " 1876.
" " Erpetologia " " " 1880.
" " Entomologia " Tomo I, II. By Dr. J. Gundlach. 1886.
" " Fauna Malacologica Cubana. By R. A. Moline. 1878-'80.
- R. L. JACK AND R. ETHERIDGE (the authors), London, Eng.
The Geology and Palæontology of Queensland and New Guinea. 1892.
- W. L. SCLATER (the author), London, Eng.
List of the Batrachia in the Indian Museum. 1892.
- FRANK RUTLEY (the author), London, Eng.
1 Pamphlet. 1893.
- W. E. CLARKE, Edinburgh, Scotland.
The Scottish Naturalist. 3d Ser., Nos. 31-34. 1892.
Annals. Nos. 6-8. 1893.
- DR. TROUESSART (the author), Paris, France.
2 Pamphlets.
- D. P. OEHLERT (the author), Paris, France.
1 Pamphlet.
- ERNEST SWINHOE (the author).
Catalogue of Indian and Indo-Malayan Butterflies and Moths. 1893.
- GEO. E. POST (the author), Lausanne, Switzerland.
Plantæ Postianæ Fasciculus. 1-5. 1890-'93.
- A. DUBOIS (the author), Bruxelles, Belgium.
Revue des Derniers Systemes Ornithologiques. 1891.
Faune des Vertébrés de la Belgique. Tome I (1876-'87). 1887.
- DR. FRANZ BAUR (the editor), Berlin, Germany.
Forstwissenschaftliches Centralblatt. 1893.
- DR. ERNEST HUTH (the editor), Frankfurt-a-O., Germany.
Societatum Litterar. 6 Jahr., 1-12; Jahr., 1, 2, 4, 5, 6, 7. 1892-'93.
Helios. 9 Jahr., 7-12; 10 Jahr., 1-10; 11 Jahr., 2, 3, 4, 5. 1891-'93.
- H. DE SAUSSURE (the author), Geneva, Switzerland.
2 Pamphlets.
- R. FRIEDLANDER & SOHN, Berlin, Germany.
Naturæ Novitates. I-XIV, 10-15, 1879-1892; XV, 16-21, 1893.

- DR. H. KREDNER (the author), Leipzig, Germany.
The Geological Survey of the Kingdom of Saxony. 1892.
- O. HELMS (the author), Copenhagen, Denmark.
Ornithologiske Iagttagelser fra Arsukfjorden Sydgornland.
- N. NASSONOW (the author), Moscou, Russia.
Position des Strepsiptères dans le système. 1893.
- T. SALVADORI (the author), Torino, Italy.
Aggiunte alla Ornitologia della Papuasias. Parts 1st, 2d, 3d. 1889.
- ALBERT IER PRINCE SOUVERAIN DE MONACO.
Résultats des Campagnes Scientifiques du Prince de Monaco.
Fascicule I, II, 1889, 1892; III, IV, 1892, 1893.
Zur Erforschung der Meere und Ihrer Bewohner. 1891.
18 Scientific Papers.
- RITTER v. TSCHUSI ZU SCHMIDHOFFEN, Wien.
Sechster Jahresbericht (1887) des Comités für Ornithol. Beobachtungen in Oesterreich-Ungarn. 1890.
- PROF. R. L. JACK, Brisbane, Australia.
Geology of Queensland. Reports. Publications. C. A. 106, 1892; C. A. 2, 1893.
- D. J. ADCOCK (the author), Adelaide, Australia.
1 Pamphlet.
- AMERICAN CHEMICAL SOCIETY, New York City.
Journal. Vol. XXIV, 8-10, 1892; XXV, 1893.
- AMERICAN GEOGRAPHICAL SOCIETY, New York City.
Bulletin. Vol. XXIV, 4; XXV, 1, 2. 1893.
- AMERICAN INSTITUTE OF MINING ENGINEERS, New York.
Transactions. Vol. XXI. 1892-'93.
70 Pamphlets.
- ASTOR LIBRARY, New York City.
Forty-fourth Annual Report. 1893.
Catalogue. 4 vols. 1880.
- NEW YORK ACADEMY OF SCIENCES, New York City.
Annals. Vol. VII, 1-5; VIII, 1-3. 1893.
Transactions. Vol. XII. 1893.
- NEW YORK MICROSCOPICAL SOCIETY, New York City.
Journal. Vol. IX. 1893.
- TORREY BOTANICAL CLUB, New York City. •
Bulletin. Vol. XX. 1893.
- MERCANTILE LIBRARY ASSOCIATION, New York City.
Seventy-second Annual Report. 1892-'93.
Bulletin. No. 14. 1892.
- NATIONAL ACADEMY OF DESIGN, New York City.
Catalogue Loan Collection. 1893.
Catalogue 68th Annual Exhibition. 1893.
- AMERICAN SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS, New York City.
Twenty-seventh Annual Report. 1893.
Our Animal Friends. Vol. XX, 5-12; XXI, 1-4. 1893.
- LENOX LIBRARY, New York City.
Twenty-second and Twenty-third Annual Reports. 1892, 1893.
- N. Y. ENTOMOLOGICAL SOCIETY, New York City.
Journal. Vol. I. 1893.

- LINNEAN SOCIETY, New York City.
Abstract of Meetings. No. 5. 1892-'93.
- AMERICAN NUMISMATIC AND ARCHÆOLOGICAL SOCIETY,
New York City.
Proceedings and Papers. 1888-'92.
- NATURAL SCIENCE ASSOCIATION, New Brighton, Staten Island,
N. Y.
Proceedings. 1893.
Proceedings—Special. Nos. 13, 14, 15, 16. 1892-'93.
- CORNELL UNIVERSITY, Ithaca, N. Y.
Library Bulletin. Vol. III; Nos. 3, 4, 5. 1893.
Register. 1873-1892.
Agricultural Experiment Station.
Bulletin. XLVII-LIX. 1892-'93.
- ALBANY INSTITUTE, Troy, New York.
Transactions. Vol. XII. 1893.
- N. Y. STATE LIBRARY, Albany, N. Y.
Seventy-fourth Annual Report. 1891.
Bulletin. Legislative, No. 3. 1893.
- N. Y. STATE MUSEUM, Albany, N. Y.
Bulletin. Vol. III, 11. 1893.
- BUFFALO HISTORICAL SOCIETY, N. Y.
Annual Reports. 1892-1893.
- VASSAR BROTHERS INSTITUTE, Poughkeepsie, N. Y.
Transactions. Vols. I, II, VI. 1881-1893.
- ONEIDA HISTORICAL SOCIETY, N. Y.
Transactions. 1887-1889.
Memorial. By C. W. Darling. 1888.
32 Pamphlets. By C. W. Darling.
- ROCHESTER ACADEMY OF SCIENCES, N. Y.
Proceedings. Brochure 1, 2. 1892.
- GEOLOGICAL SOCIETY OF AMERICA, Rochester, N. Y.
Bulletin. Vol. IV. 1892-'93.
- N. J. AGRICULTURAL EXPERIMENT STATION, New Brunswick.
Bulletin. XC, XCI; XCIII-XCVI. 1892-1893.
- GEOLOGICAL SURVEY, Trenton, N. J.
Annual Report. 1892.
- ACADEMY OF NATURAL SCIENCE, Philadelphia, Pa.
Proceedings. Parts III, 1892; I, 1893.
- ZOOLOGICAL SOCIETY OF PHILADELPHIA, Pa.
Twenty-first Annual Report. 1893.
- WYOMING HISTORICAL AND GEOLOGICAL SOCIETY, Wilkes-
barre, Pa.
In its New Home. 1893.
- AMERICAN PHILOSOPHICAL SOCIETY, Philadelphia, Pa.
Proceedings. Vols. XXX, No. 139; XXXI, Nos. 140, 141. 1892,
1893.
- UNIVERSITY OF PENNSYLVANIA, Philadelphia.
Contributions, Botanical Lab. Vol. I, No. 2. 1893.
- WAGNER FREE INSTITUTE OF SCIENCE, Philadelphia, Pa.
Transactions. Vol. III, Part 2.

- PENNSYLVANIA BOARD OF AGRICULTURE, Harrisburg.
Reports for 1890, 1891, 1892.
- MAINE STATE BOARD OF AGRICULTURE, Augusta.
Thirty-fourth and Thirty-fifth Annual Reports. 1892, 1893.
- SOCIETY OF NATURAL HISTORY, Portland, Maine.
Portland Catalogue of Maine Plants. 1892.
- CONNECTICUT STATE BOARD OF AGRICULTURE, Hartford.
Twenty-sixth Annual Report. 1892.
- CONNECTICUT ACADEMY OF SCIENCE AND ARTS, New Haven.
Transactions. Vol. I, Part 2, 1867-'71; II, Part 1, 1870; Vol. III,
Part 1, 1876; 2, 1878; IV, 2, 1882; VIII, 2, 1893; IX, 1, 1892.
- VERMONT STATE AGRICULTURAL EXPERIMENT STATION,
Burlington.
Bulletin. No. 35. 1893.
Fifth and Sixth Annual Reports. 1891, 1892.
- VERMONT DAIRYMEN'S ASSOCIATION, Burlington.
Reports. 1887 and 1888; 1890-1893.
- FLETCHER FREE LIBRARY, Burlington.
Nineteenth Annual Report. 1892.
- MUSEUM OF COMPARATIVE ZOOLOGY, Cambridge, Mass.
Bulletin. Vol. XVI, 11, 12, 13, 14; XXIII, 4, 5, 6; XXIV, 1-7;
XXV, 1, 2, 3. 1892-'93.
Annual Report. 1892-1893.
- HARVARD COLLEGE ASTRONOMICAL OBSERVATORY, Cambridge,
Mass., Prof. E. C. Pickering, Director.
Forty-seventh and Forty-eighth Annual Reports. 1892.
Annals. Vol. XV, Part II, 1892; XIX, Part II, XXIX, 1883-'93;
XXV, XXXI, Part II for 1891; XL, Part II for 1892.
- BOSTON SOCIETY OF NATURAL HISTORY, Massachusetts.
Memoirs. Vol. IV, 11. 1893.
Proceedings. Vol. XXVI, Part 1. 1892-'93.
- APPALACHIAN MOUNTAIN CLUB, Boston, Mass.
Appalachia. Vol. VII, 1, 2. 1893.
The Register. 1893.
- MASS. STATE BOARD OF AGRICULTURE, Boston.
Fortieth Annual Report. 1893.
Index to Annual Reports. 1837-1892.
- WORCESTER SOCIETY OF ANTIQUITY, Massachusetts.
Proceedings. No. XL. 1893.
Worcester Town Records. No. XXXVI. 1817-1821.
- SALEM PUBLIC LIBRARY, Salem, Mass.
Trustees' Report. 1892.
- ESSEX INSTITUTE, Salem, Mass.
Bulletin. Vol. XXIV, 7, 8, 9, 10, 11, 12; XXV, 1-6.
1 Pamphlet. 1893.
- CITY LIBRARY ASSOCIATION, Springfield, Mass.
Library Bulletin. Vol. VII, VIII, IX, 1. 1893.
Thirty-second Annual Report. 1893.
- CINCINNATI SOCIETY OF NATURAL HISTORY, Cincinnati, Ohio,
Journals. Vol. XV, 3, 4; XVI, 1-3. 1893.
- OHIO STATE BOARD OF AGRICULTURE, Columbus.
Annual Reports. Forty-sixth and Forty-seventh. 1891-'92.

- WISCONSIN HISTORICAL SOCIETY, Madison.
 Proceedings. 36th, 37th, 38th. 1889-'91.
 Annual Reports. 21st-27th, 29th, 31st, 32d. 1875-'86.
 Report and Collections. Vols. IV, X-XII. 1859-'92.
- WISCONSIN ACADEMY OF SCIENCE, Madison.
 Transactions. Vol. IX, Part I. 1892-'93.
- MISSOURI GEOLOGICAL SURVEY, Jefferson City.
 Reports. Vols. II, III. 1892.
- MISSOURI STATE BOARD OF AGRICULTURE, Jefferson City.
 Twenty-fourth Annual Report. 1891.
- MISSOURI BOTANICAL GARDEN, St. Louis.
 Fourth Annual Report. 1893.
- ST. LOUIS ACADEMY OF SCIENCE, Missouri.
 Transactions. Vol. VI, 3-11. 1892-'93.
- JOHNS HOPKINS UNIVERSITY, Baltimore, Md.
 Circular. Nos. 6, 8, 9, 11, 1876-'77; 3, 1880; XII, 102-107; XIII, 108. 1893.
 " Nos. 5, 6, 7, 8, 10-14, 16, 18, 26, 33, 34, 44, 46, 48, 73, 95, 98.
 University Register. 1892-'93.
- E. MITCHELL SCIENTIFIC SOCIETY, Raleigh, N. C.
 Journal. Ninth year, Parts I, II. 1892.
- NORTH CAROLINA AGRICULTURAL EXPERIMENT STATION, Raleigh.
 Bulletin. Nos. 47, 52-54, 87a-92. 1893.
 Climatology of North Carolina. 1820-'92.
- GEOLOGICAL SURVEY OF ALABAMA.
 Bulletin. Nos. 2, 3. 1892.
 Report on Geological Structure of Murphrees Valley, etc. 1893.
- LOUISIANA STATE EXPERIMENTAL AGRICULTURAL STATION, Baton Rouge.
 Bulletin. Nos. 17, 18, 19, 21, 22. 1892-'93.
 Biennial Report. 1890, 1892.
 Preliminary Report. Parts I, II. 1892-'93.
- GEOLOGICAL SURVEY OF GEORGIA, Atlanta.
 The Palæozoic Group of the Geology of North West Georgia. 1893.
- KANSAS ACADEMY OF SCIENCE, Topeka.
 Transactions. Vol. XIII. 1891-'92.
- KANSAS STATE HISTORICAL SOCIETY, Topeka.
 First, Third, Sixth, Eighth Biennial Reports. 1879-'92.
- KANSAS STATE AGRICULTURAL COLLEGE, Manhattan.
 The Industrialist. Vol. XVIII, 19-33, 35-44. 1893.
- KANSAS STATE AGRICULTURAL COLLEGE, Topeka.
 Bulletin. 35, 36, 37. 1893.
- KANSAS UNIVERSITY, Lawrence.
 University Quarterly. Vol. I, 3, 4; II, 1, 2. 1893.
- ARKANSAS GEOLOGICAL SURVEY, Little Rock.
 Annual Reports. Vol. I, 1891-'92; IV, V and Map. 1890.
- UNIVERSITY OF NEBRASKA, Lincoln.
 University Studies. Vol. I, 4. 1892.
- STATE BOARD OF AGRICULTURE, Raleigh, N. C.
 Handbook of North Carolina with Illustrations and Map. 1893.

- GEOLOGICAL SURVEY OF TEXAS, Austin.
A Preliminary Report on the Vertebrate Palæontology of the Llano Estacado. 1893.
- SUGAR EXPERIMENT STATION, New Orleans, La.
A Preliminary Report upon the Hills of Louisiana, etc. 1893.
- WEST VIRGINIA AGRICULTURAL EXPERIMENT STATION, Charleston.
Bulletin. Vol. III, 7, 8.
- UNIVERSITY OF VIRGINIA, Charlottesville, Va.
Catalogue for 1892, 1893.
Catalogues. 16 years. 1875-1892.
- CALIFORNIA STATE AGRICULTURAL SOCIETY, Sacramento.
Transactions. 1892.
- CALIFORNIA STATE MINING BUREAU, Sacramento.
Eleventh Report of the State Mineralogist. 1892.
- UNIVERSITY OF CALIFORNIA, Berkeley.
The Geology of Carmelo Bay. By A. C. Lawson.
Bulletin. Nos. 2, 3, 4, 11, 21, 22, 24, 25, 26, 27, 29-31, 33-37.
Registers. 1871-1893.
Notes on the Development of a Child. By M. Washburn Shinn. 1893.
- CALIFORNIA ACADEMY OF SCIENCES, San Francisco.
Proceedings. Vol. III, Part 2. 1893.
Evolution of Colors of North American Land Birds. By Keeler.
Occasional Papers. IV. 1893.
- HISTORICAL SOCIETY OF SOUTHERN CALIFORNIA, Los Angeles.
Annual Publications. 1890-'91. Vol. II, Part I. 1892.
- COLORADO SCIENTIFIC SOCIETY, Denver.
Proceedings. 1893.
- HISTORICAL SOCIETY, Helena, Montana.
Catalogue of the Library. 1892.
- SMITHSONIAN INSTITUTION, Washington, D. C.
Contributions to Knowledge. 1893.
Miscellaneous Collections. Vols. XXIV, XXVI. 1893.
Annual Report. 1890.
- U. S. NATIONAL MUSEUM.
Annual Report. 1890, 1891.
Proceedings. Vol. XIV. 1891.
Bulletin. No. XL. 1892.
- U. S. FISH COMMISSION.
Bulletin. Vol. X. 1892.
Report. 1892.
- BUREAU OF ETHNOLOGY.
Seventh, Eighth and Ninth Annual Reports. 1890-1892.
Contributions to N. A. Ethnology. 1890.
Bibliography of the Muskogean Languages. By J. C. Pilling. 1889.
" " Athapascan " " " " 1892.
" " Chinookan " " " " 1893.
" " Salishan " " " " 1893.
- TREASURY DEPARTMENT, Washington, D. C.
Annual Report. 1890.
- OFFICE OF LIFE SAVING SERVICE.
Annual Report. 1891.
- BUREAU OF THE MINT.
Twentieth Annual Report. 1892.
Report. Production of Gold and Silver. 1892.

DEPARTMENT OF AGRICULTURE, Washington, D. C.

Bulletin Ornithology and Mammalogy Division. Nos. 3, 4, 7. 1893.

" Entomological Division. Nos. 28-31. 1893.

" Microscopic Division. Food Products. I. 1893.

" Farmers Division. 7, 9, 11, 12. 1892-1893.

" Periodical. Vol. V, 1-5. 1893.

" Miscellaneous. 1-5, 30, 32-34.

Report Fibre Investigations. Nos. 4, 5. 1893.

" Microscopist. 1892.

Insect Life. Vol. V, 3-5 ; VI, 1, 2. 1892, 1893.

Annual Report. 1892.

WAR DEPARTMENT, Washington, D. C.

Index Catalogue of the Surgeon General's Office of U. S. Army.
Vol. XIV. 1893.

Annual Reports. Vols. I-V. 1891-1892.

DEPARTMENT OF ENGINEERS.

Annual Report. 1892.

CHIEF SIGNAL OFFICER.

Report. 1892.

DEPARTMENT OF STATE, Washington, D. C.

Reports of U. S. Commissions to Universal Exposition at Paris
1889. 5 vols. 1890-1891.

Principal Exports to U. S., Declared at the Several Consulates. 1893.

Consular Reports. Nos. 146-159. 1892, 1893.

Consular Special Report. Fire and Building Regulations in Foreign
Countries. 1892.

Consular Special Report. Australasian Sheep and Wool. 1892.

DEPARTMENT OF THE INTERIOR, Washington, D. C.

U. S. GEOLOGICAL SURVEY.

Eleventh Annual Report. 1889-1890.

Monographs. XVII, XVIII, XX. 1892.

Bulletins. 82-86, 90-96. 1891-1892.

Atlas on the Geology of the Eureka District, Nevada. 1883.

Mineral Resources of U. S. for 1891.

BOARD OF INDIAN COMMISSIONERS.

Twenty-fourth Annual Report. 1892.

BUREAU OF EDUCATION.

Statistics of Public Libraries in U. S. for 1884-'85.

" " " " and Canada. 1893.

CENSUS OFFICE.

Report on Population and Resources of Alaska for 1890.

ROYAL SOCIETY OF CANADA, Montreal, Can.

Transactions. Vol. X. 1892.

GEOLOGICAL AND NATURAL HISTORY SURVEY OF CANADA,
through Prof. A. R. Selwyn, Director, Ottawa.

Catalogue of Minerals. 1893.

" " Stratigraphical Rocks. 1893.

Annual Report. Vol V, and Atlas Sheets. 1890-'91.

Contributions to Canadian Palæontology. Vol. I. Part IV. 1892.

CENTRAL EXPERIMENTAL FARM, Ottawa, Canada.

Bulletin. Nos. 14-17. 1892.

Report. No. 7b. 1893.

- THE CANADIAN INSTITUTE, Toronto, Canada.
Transactions. Vol. III. Parts 1, 2, 5, 6.
Fifth Annual Report. 1892-'93.
- NATURAL HISTORY SOCIETY OF MONTREAL, Canada.
Canadian Record of Science. Vol. V, 5, 6, 7. 1892.
- ENTOMOLOGICAL SOCIETY OF LONDON, Ontario, Canada.
The Canadian Entomologist. Vol. XXV. 1893.
- OTTAWA FIELD NATURALIST CLUB, Canada.
Transactions. Vol. VI, 9-11; VII, 1, 3, 4, 6-9. 1893.
- THE FRUIT GROWERS' ASSOCIATION OF ONTARIO, Grimsby, Canada.
The Canadian Horticulturist. Vol. XVI.
Twenty-fourth Annual Report. 1892.
- NOVA SCOTIAN INSTITUTE NATURAL SCIENCE, Halifax.
Proceedings and Transactions. 2d Series. Vol. I. Part 2. 1891-'92.
- CANADIAN DEPARTMENT OF FISHERIES, Ottawa.
Annual Report. 1892.
List of Lights and Fog Signals on Coast of Canada. 1893.
Reports of Board on Steamboat Inspection. 1893.
- HISTORICAL AND SCIENTIFIC SOCIETY OF MANITOBA, Winnipeg.
Annual Report. 1882-'83, No. 4. 1893.
Transactions. 19, 1885-6; 44, 1893.
- SOCIEDAD MEXICANA DE HISTORIA NATURAL, Mexico.
La Naturaleza. Vol. II, 3, 4. 1892.
- SOCIEDAD CIENTIFICA "ANTONIO ALZATE," Mexico.
Memorias de la Sociedad. VI, 3-12; VII, 1-10. 1892-1893.
- BRITISH MUSEUM (NATURAL HISTORY), London, England.
Guide to Sowerby's Models of British Fungi. 1893.
Return. 1893.
- SECRETARY OF STATE IN COUNCIL OF INDIA, London.
Scientific Results of the Second Yarkand Mission. 15 parts. 1878-1891.
- MUSEUM ROYAL COLLEGE, SURGEONS, England.
Catalogue of Osteological Specimens. Part III. Aves. 1891.
- THE ROYAL SOCIETY, London, England.
Proceedings. Vol. LII, 318-320; LIII, 321-326; LIV, 327. 1893.
- GEOLOGISTS' ASSOCIATION, London, England.
Proceedings. Vol. XIII, 2-5. 1893.
- GEOLOGICAL SOCIETY OF LONDON, England.
Quarterly Journal. Vol. XLIX, 193-196. 1893.
List of the Geological Society (Members). 1893.
- MANCHESTER FIELD NATURALIST AND ARCHÆOLOGICAL SOCIETY, England.
Report and Proceedings. 1892.
- MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY, England.
Memoirs and Proceedings. 4th Series. Vol. VI; VII, 1-3. 1892-'93.
- BRISTOL NATURALISTS' SOCIETY, England.
Proceedings. N. S., Vol. VII, 2. 1892-1893.
List of Members.

- LIVERPOOL NATURALIST FIELD CLUB, Liverpool.
 Proceedings. 1892.
- BELFAST NATURAL HISTORY AND PHILOSOPHICAL SOCIETY,
 Ireland.
 Report and Proceeding. 1891-1892.
- BELFAST NATURALISTS' FIELD CLUB, Ireland.
 Annual Report and Proceedings. N. S., II. Vol. III, 6. 1892-'93.
- SCIENCE AND ART MUSEUM OF DUBLIN, Ireland.
 The Mineralogical, Geological and Palæontological Collections. 1893.
 Report. Appendix. H. 1892.
- LINNEAN SOCIETY OF NEW SOUTH WALES, Australia.
 Proceedings. N. S., Vol. VII., 2, 3, 4. 1892-1893.
- THE AUSTRALIAN MUSEUM, Sydney.
 Records. Vol. II, 4, 5. 1893.
 Report of the Trustees. 1892.
 Catalogue of the Marine Shells of Australia and Tasmania. No. 15.
 1893.
 Catalogue of Australian Mammals. No. 16. 1892.
- DEPARTMENT OF MINES, Sydney, Australia.
 Annual Report. 1892.
 Records of the Geological Survey, N. S. W. Vol. III, 2, 3. 1893.
 Geological Map of New South Wales. 1893.
- ROYAL SOCIETY OF N. S. W., Sydney, Australia.
 Journal and Proceedings. Vol. XXVI. 1892.
- VICTORIAN DEPARTMENT OF AGRICULTURE, Melbourne.
 A Handbook of the Destructive Insects of Victoria, with Notes, &c.
 By C. French. 1893.
- COLONIAL MUSEUM, Wellington, New Zealand.
 Twenty-seventh Annual Report. 1893.
- GEOLOGICAL SURVEY OF QUEENSLAND.
 Annual Report. Progress. C. A., 27, 33, 51, 60, 105. 1892-1893.
 Report on Russel River Gold Field. 1893.
- NEW ZEALAND INSTITUTE, Wellington.
 Manual of the New Zealand Coleoptera. Parts V, VI, VII. 1893.
- BIBLIOTHECA NACIONAL, Rio de Janeiro, Brazil, S. A.
 Relatório dos Serviços dos Correios. 1892.
 Relatório Apresentado ao Vice-presidente da Repub. dos. Est. Un.
 do Brazil. 1892.
 Relatório Apresentado ao Vice-presidente da Repub. dos. Minist. da
 Marinha. 1892.
 Anexos ao Relatório do Vice-presidente da Repub. dos Minist. da
 Agric. 1892.
 Novos Ideaes. 1877-1879.
 Finanças E. Política da Republica. Ruy Barbosa. 1892.
 Martial Law. Its Constitution, Limits and Effects. Ruy Barbosa.
 1892.
- MUSEO NACIONAL DE BUENOS AIRES.
 Las Cuestiones de Limites. 1892.
- SOCIÉTÉ SCIENTIFIQUE DU CHILI, Santiago.
 Actes. Tome II. 1892. I, 3, Liv.
- MUSEO NACIONAL, San José, de Costa Rica.
 Annales. Tome III. 1892.

- INSTITUTO FISCO GEOGRAFICO NACIONAL, San José.
Exploraciones Botanicas efectuadas en Costa Rica. 1893.
- REAL ACADEMIA DE CIENCIAS DE MADRID, Spain.
Os Descobrimentos Portuguezes de Colombo. By M. P. Chagas.
1892.
- SOCIÉTÉ ZOOLOGIQUE DE FRANCE, Paris.
Bulletin. Tome XVII, 7, 8, 1892.
- SOCIÉTÉ GEOLOGIQUE DE FRANCE, Paris.
Bulletin. Tome, XIX, 2; XX, 3, 4, 5, 6; XXI, 1. 1892-1893.
- ACADÉMIE DES SCIENCES, INSCRIPTIONS ET BELLES-LETTRES,
Toulouse, France.
Mémoires. N. Tome, IV, 1892.
- SOCIÉTÉ NATIONALE DES SCIENCES NATURELLES DE CHERBOURG, France.
Mémoires. Tome, XXVIII, 1892.
- INSTITUTO DI STUDI SUPERIOR IN FIRENZE,
Archivio della d'Anatomia Patologica. Vols. III, IV. 1885-'86.
3 Pamphlets, 1884, '85, '88.
- MINISTERO D'AGRICOLTURA INDUSTRIA E COMMERCIO,
Roma, Italy.
Annali di Agricoltura. 192, 193, 196, 199. 1892-1893.
Cultivazione Sperimentali del Frumento. 1890-'91-'92.
- MUSEI DI ZOOLOGIA ED ANATOMIA, Torino, Italy.
Bollettino. Vol. VII, 133-135; VIII, 136-150. 1892-1893.
- IL NATURALISTE SICILIANO, Palermo, Italy.
Anno. XII, 4-8, 10, 11. 1893.
- SOCIÉTÉ ROYALE MALACOLOGIQUE DE BELGIQUE, Brussels,
Belgium.
Annals. Tome, XXVI. 1891.
Procès-Verbaux des Séances. 1891, Sig. 7, 12; 1892, 1-9.
- SOCIÉTÉ GEOLOGIQUE DE BELGIQUE, Liège, Belgium.
Annales. Tomes XVIII, 3d Ser; XIX, 3d and 4th Ser. 1891-1892.
- NATURFORSCHENDE GESELLSCHAFT, Bamberg, Germany.
Bericht. XVI, 1893.
- OBERHESSISCHE GESELLSCHAFT FÜR NATUR-UND-HEILKUNDE, Giessen, Germany.
Neunundzwanzigster Bericht. 1893.
- VEREIN FÜR NATURWISSENSCHAFT, Braunschweig, Germany.
Jahresbericht. 1889-'90, 1890-'91.
- PROVINZIAL-VEREIN FÜR WISSENSCHAFT UND KUNST, Münster, Prussia.
Jahresbericht. 1891.
- SIEBENBÜRGISCHER VEREIN FÜR NATURWISSENSCHAFTEN,
Hermannstadt, Transylvania.
Verhandlungen und Mittheilungen. XLII Jahr. 1892.
- K. K. GEOLOGISCHEN REICHSANSTALT (WIEN), Vienna,
Austria.
Verhandlungen. Jahr. 1892, 11-18; 1893, 1-10.
- BIBLIOTHEEK DER RIJKS-UNIVERSITEIT, Leiden, Netherlands.
4 Pamphlets. 1893.
- NATURFORSCHENDE GESELLSCHAFT, Basel, Switzerland.
Verhandlungen. Band X, Heft I. 1892.

- ROYAL ACADEMY OF SCIENCE, Amsterdam, Netherlands.
 Verhandlungen. Nos. 1-10. 1892-'93.
 Verslagen der Zittingen. 1893.
 Verslagen en Mededeelingen. Deel VIII-IX.
 Register. Deel I-IX. 1893.
 Revision des Champignons I. By C. A. J. A. Oudemans. 1893.
- KONGELIGE DANSKE VIDENSKABERNES SELSKAB, Copenhagen, Denmark.
 Oversigt. 1892, 2, 3.; 1893, 1.
- STAVANGER MUSEUM, Stavanger, Norway.
 Aarsberetning. 1892.
- KONGLIGA SVENSKA VETENSKAPS AKADEMIEN, Stockholm, Sweden.
 Bihang. 14th Bd, afd., III, IV; 15th, III, IV; 16th, III, IV; 17th, III, IV, I.
 Ofversigt. Arg. XLIX, 9, 10; L, 1-7. 1892-'93.
 Supplement aux Memoires. Sect. 3, 4. Bd. 14-17.
 Juguardra Bandet, 1886 och 1891. Senere Häftet qvre Häftet, 1886-'91. Bd. 22, 1-2; 23, 1-2; 24, 1-2.
- NATURWISSENSCHAFTLICHER VEREIN, Hamburg, Germany.
 Abhandlungen. XII, 1. 1892'-3.
- WETTERAUISCHEN GESELLSCHAFT, Hanau, Germany.
 Bericht. 1889-'92.
- OBERLAUSITSISCHEN GESELLSCHAFT DER WISSENSCHAFTEN, Gorlitz, Germany.
 Neues Lausitzisches Magazin. Bd. 68, 2 Heft. 69, 1 Heft. 1892-'93.
- KÖNIGLICH-BAIERISCHE AKADEMIE DER WISSENSCHAFTEN, München, Germany.
 Sitzungsberichte. 3, 1891; 1, 2, 1892; 1-3, 1893.
- UNIVERSITÄTES-BIBLIOTHEK, Würzburg, Germany.
 23 Essays.
- HISTORISCHEN VEREINES FÜR STEIERMARK, Gratz, Germany.
 Mittheilungen. Heft XL, XLI. 1892.
 Beiträge. 24th, 25th Jahr. 1892.
- NATURWISSENSCHAFTLICHEN VEREIN FÜR STEIERMARK, Gratz, Germany.
 Mittheilungen. 1892.
- NATURWISSENSCHAFTLICHEN GESELLSCHAFT ISIS IN DRESDEN, Germany.
 Sitzungsberichte und Abhandlungen. Jahr. 1893.
- NASSAUISCHER VEREIN FÜR NATURKUNDE, Wiesbaden, Germany.
 Jahrbucher. Jahr. 46. 1893.
- MUSEUM FÜR VÖLKERKUNDE, Leipzig, Germany.
 Zwanzigster Bericht. 1892.
- NATURWISSENSCHAFTLICHEN VEREINS, Lüneburg, Germany.
 Jahreshfte. XII. 1890-'92.
- NATURFORSCHENDE GESELLSCHAFT, Freiburg, Germany.
 Berichte. 1855-1891.
- KÖNIGLICHE PHYSIKALISCH-OEKONOMISCHE GESELLSCHAFT, Königsberg, Prussia.
 Schriften. 33. 1892.

- NATURFORSCHENDE GESELLSCHAFT, Emden, Prussia.
Jahresbericht. 77. 1891-1892.
- LA SOCIÉTÉ ROYALE HONGROISE DES SCIENCES NATURELLES,
Budapest, Hungary.
Math. und Naturw. Berichte aus Ungarn. Band VIII, IX.
J. S. v. Petényi der Begründer der Wissenschaftlichen Ornithol in
Ungarn.
A. Magyar Állattani Irodalom. By Dr. Daday Jenő.
A. Magyarországi Tücsökfélék Természetrája.
- MAGYAR TERMÉSZETTUDOMÁNYI TRSÁULAT, Budapest, Hun-
gary.
XXII Kötet, 5-12; XXIII, 1-3. 1892-1893.
- K. K. NATURHISTORISCHEN HOF-MUSEUMS, Vienna, Austria.
Annalen. Band VII, 3, 4; VIII, 1. 1892.
- ZOOLOGISCHES MUSEUM DER UNIVERSITÄT, Berlin.
29 Pamphlets.
- DEUTSCHE GEOLOGISCHE GESELLSCHAFT, Berlin, Prussia.
Zeitschrift. Band XLIV, 3, 4; XLV, 1, 2. 1892-1893.
- UNGARISCHER KARPATHEN-VEREIN, Iglo.
Jahrbuch. XX. 1893.
- NATURFORSCHENDE GESELLSCHAFT, Bern, Switzerland.
Mittheilungen. Nr. 1279-1304.
Gedachtnissrede auf Karl von Nageli, etc. By K. Goebel. 1893.
- NATURFORSCHENDE GESELLSCHAFT GRAUBÜNDENS, Chur,
Switzerland.
Jahresbericht. Neue Folge XXXVI. Jahr. 1892-1893.
- ST. GALLISCHEN NATURWISSENSCHAFTLICHE GESELL-
SCHAFT, St. Gallen, Switzerland.
Bericht. 1890-'91.
- SOCIÉTÉ VAUDOISE DES SCIENCES NATURELLE, Lausanne,
Switzerland.
Bulletin. Ser. 3. Vol. XXVIII, 106-109; XXIX, 110. 1892.
- ENTOMOLOGISKA FÖRENINGEN, Stockholm, Sweden.
Tidskrift. Arg. XIII, 1-4. 1892.
- LUNDS UNIVERSITETS, BIBLIOTHEK, Lund, Sweden.
Års-Skrift. Tome XXVIII. 1891-'92.
- SOCIÉTÉ DES NATURALISTES DE LA NOUVELLE-RUSSIE,
Odessa.
Memoires. Tome XVII, 1-3. 1892.
- SOCIÉTÉ IMPERIALE DES NATURALISTES DE MOSCOW, Russia.
Bulletin. 1892, 2-4; 1893, 1.
- TERMEZETTUDOMÁNYI EGYLET, Trenschen, Russia.
A. Trenschen Varmegyei. Evkönyre XV-XVI. Evfolyam. 1892-1893.
- SOCIÉTÉ DES NATURALISTES DE KIEW, Russia.
Memoires. Tome XII, 1, 2. 1892.
- INDIAN MUSEUM, Calcutta, India.
Notes on Indian Economic Entomology. Vol. II, 6; III, 1, 2. 1893.
- ASIATIC SOCIETY OF BENGAL (Natural History Sec'y), Calcutta,
India.
Proceedings. Nos. VII-X. 1892.
Journal. N. S., Part II, 1-3; XVIII, 49; LXII. Part II, 1-6.
1892-'93.

DEPARTMENT OF AGRICULTURE, Cape Town, Africa.

Agricultural Journal. Vol. V, 15-18 ; VI, 1-4-9, 11, 13, 14-18, 20-22,
25. 1892-'93.

Ensilage, or the Preservation of Green Fodder. By C. A. Macdonald.
1893.

IMPERIAL UNIVERSITY, Tokyo, Japan.

The Calendar. 1892-1893.

MONTHLY ARABIC JOURNAL OF SCIENCE, LITERATURE AND

ART, Cairo, Egypt.

Vol. VI. 1893.

WORLD'S COLUMBIAN EXPOSITION.

MAINE. CHICAGO, 1893.

1 Map.

1 Outline Map.

Poland Spring. South Poland. 1891.

Poland Spring House. 1893.

The Cushing Island Hotel Co., Portland Harbor. 1893.

Agricultural Bibliography of Maine List, etc., 1850-1892. 1893.

The State of Maine in 1893. By Geo. H. Haynes. 1893.

NEW HAMPSHIRE.

Through Crawford Notch of the White Mountains.

Crawford House. The Old Notch. 1856.

PENNSYLVANIA.

Art Contributions. 1893.

Catalogue of Exhibits of the State of Pennsylvania, etc. 1893.

Pennsylvania and its Resources. 1893.

MARYLAND.

Its Resources, Industries and Institutions. 1893.

VIRGINIA.

Proceedings of the Convention of Southern Governors, etc. 1893.

Handbook giving its History, etc. 1893.

Reference Book of the Norfolk and Western R. R. Co.

The Seventh Wonder of the World.

Its Climate, Soil, Productions, etc.

Works of Edward V. Valentine, Sculptor.

Programme Iowa State Board, Virginia Day.

A few solid Facts about the Gold Fields of the Southern States, etc.
1893.

WEST VIRGINIA.

A Description of the Natural Resources., 1893.

Speech of Hon. S. B. Elkins of W. Va. 1893.

Address of John W. Harris. 1893.

Forestry Exhibit. 1893.

MINNESOTA.

A Brief Sketch of the History, Resources and Advantages. 1893.

Educational Exhibit. 1893.

Salient Facts about St. Paul.

Two Programmes about World's Fair.

NEW MEXICO.

The Pecos Valley. The Fruit Belt. 1893.

The Pecos Valley. The Fruit Belt of New Mexico. 1893.

Three Minutes Talks about New Mexico. 1893.

MEXICO.

- Los Estados Unidos Mexicanos sus condiciones Element de Prosperidad. 1893.
 Mexico ante los Congressos Internacionales Penitenciarios. 1892.
 Datos Mercantiles compilados por Ricardo de Maria y Campos. 1892.
 Mexico, its Trade, Industries and Resources. By A. G. Cubas, C. E. 1893.
 Reglamento del Instituto Médico Nacional. 1890.
 Memoria para una Bibliografía Científica de Mexico en el siglo XIX. 1889.
 Commission Géographique Exploratrice de la Republique Mexicano. 1889.
 Le Mexique a la portie des Industriels, des Capitalistes, etc. 1889.
 La Fiesta de Los Tastoanes. Estudio Etnológico Historico. 1889.
 Caja Telefonica Automatica.
 Micrófono y Microteléfono. 1891.
 Reformas Introducidas en el Sistema de Telefonos.

IDAHO.

- Official souvenir. 1893.

IOWA.

- A Hand Book. 1893.
 Souvenir Programme. Iowa State Days. 1893.
 Souvenir of the Dedicatory Ceremonies. 1892.

OREGON.

- Second Biennial Report of the State Board of Horticulture. 1893.
 The Resources of the State of Oregon.
 A Complete and Comprehensive Description of the Agriculture, Resources, etc. 1893.

UTAH.

- A Peep into a Mountain-walled Treasury of the Gods. By P. Donan. 1891.

ARIZONA.

- Exhibit. World's Fair. 1893.

MONTANA.

- History, Resources, Possibilities. 1893.

CALIFORNIA.

- The Land of Sunshine. Southern California. 1893.
 The County and City of Los Angeles, in Southern California. 1893.
 Souvenir of Alameda County. 1893.
 Fresno County. The Land of Sunshine, etc. 1893.
 Resources. By H. H. Markham, Governor. 1893.
 Picturesque San José and Environments. 1893.
 Annual Report of the State Board of Horticulture. 1892.
 Midwinter International Exhibition for 1894.
 General Rules and Regulations for 1894.

JAMAICA.

- Jamaica at Chicago. An Account Descriptive, etc. 1893.
 The Handbook of Jamaica for 1893.

BRAZIL.

- Catalogue of the Brazilian Section. 1893.
 The Graphic. Vol. IX ; No. 18.

PARAGUAY.

- Apuntes Geograficos e Historicos. 1893.

ENGLAND.

- Official Catalogue of the British Section. 1st Edition. 1893.
- Handbook of Regulations and General Information. 1893.
- An Illustrated Souvenir of Victoria House. 1893.

FRANCE.

- Catalogue Officiel-sect Française. Palais des Femmes. 1893.
- Catalogue " " " 1893.

ITALY.

- Guida degli Italiani in America-Strema. 1893.

GERMANY.

- Official Catalogue Exhibition of the German Empire. 1893.
- Special-Katalog der Bibliotheks-Ausstellung in Chicago. Berlin. 1893.

CAPE OF GOOD HOPE.

- Catalogue of Exhibits. 1893.

CAPE COLONY.

- The Viticulture of Cape Colony. 1893.

SOUTH AFRICA.

- The Diamond Industry of South Africa. 1893.

LIBERIA.

- Catalogue of Liberian Exhibit classified by Tribes. 1847-1893.

HINDOSTAN.

- Handbook to accompany the Collection of Exhibits, etc. 1893.

MISCELLANEOUS.

- Classification of Transportation Exhibits, etc. 1893.
- Classification and Rules. Department of Machinery. 1893.
- Department G. Transportation Building. 1893.
- Catalogue of a unique Collection of Cliff Dweller Relics. 1891.

GEOLOGICAL DEPARTMENT.

W. E. BOOREAM, Brooklyn, N. Y.

- 6 Echinoderms, from the Miocene, White Limestones of Black River Bay, Jamaica, W. I.

DR. H. CARUTHERS, St. Augustine, Fla., through A. E. Douglass of New York.

- 1 Specimen of tooth of *Mastodon obscurus* Leidy. Near Beaufort, S. C.

R. H. CONNOR, New York.

- A fragment of rock from quarry near Oxford, N. Y., bearing *Lepidodendron Chemungensis*, ?, showing the scale leaves attached along the margin.

G. H. FOUNTAIN, New York.

- 22 Sand-worn Stones, from Plainfield, N. J., between New Market and Bound Brook, Middlesex Co., N. J.

W. SETON, New York.

- 3 Specimens of *Gryphaea columba*, Cretaceous, near Tours, France.
- 4 Casts of Cardium, 1 Solarium and 3 Sponges.

I. B. SNIFFIN, New York.

- 1 Basaltic boulder of remarkably symmetrical form, from the Bloomingdale Asylum Grounds, New York.

D. JACKSON STEWARD, New York.

A block of Ripple Marked Sandstone, from the Hudson River (?) sandstones. Obtained at Goshen, Orange Co., N. Y.

J. UNDERHILL, New York.

7 Nodular fragments of a concretionary conglomerate. Drift of Long Island, near Brooklyn, N. Y.

UNION THEOLOGICAL SEMINARY, New York.

Geological and Palæontological specimens from the Niagara, Clinton and Medina Groups; in all 50 specimens.

PROF. A. G. WETHERBY, Magnetic City, N. C.

2 Crinoids, 1 *Rhodocrinus* n. sp. ? Trenton Limestone, Knox Co., Tenn.; and 1 *Zeacrinus floralis* Shum. Chester Limestone, Pulaski Co., Ky.

R. P. WHITFIELD, New York.

83 Cretaceous Lower Green Sand Marl fossils, from Atlantic Highlands, N. J.

54 Fossils from the Upper Waverly, from Sciotoville, Ohio.

8 Blocks of *Discina pleurites* Meek., from Newark, Ohio.

9 Corals and 5 shells, from the Maxville limestone at Rushville, Ohio; two of these being figured specimens.

The following casts of fossils, all of type or rare specimens :

197 casts of Crinoides.

73 " " Brachiopods.

27 " " Lamellibranchiates.

19 " " Gasteropods.

8 " " Cephalopods.

3 " " Pteropods.

8 " " Trilobites.

2 " " Star Fishes.

A. C. ZABRISKIE, New York.

A partial set of Dr. Green's casts of Trilobites.

MINERALOGICAL DEPARTMENT.

H. P. ATWOOD, New Milford, Conn.

1 Specimen of Garnet bearing schist, from Roxbury Falls, Litchfield Co., Conn.

1 Specimen of massive Quartz, from New Preston, Litchfield Co., Conn.

NELSON W. BELL, New York.

A section of Agatized wood, from Chalcedony Park, Apache Co., Ariz.

L. CAHN, New York.

3 Crystals of Zircon, from St. Peter's Dome, El Paso Co., Col.

1 Moss Agate, cut and polished, from Colorado.

REV. A. M. CLARK, New York.

2 Specimens of Ruby Silver (Proustite), from Potosi, S. A.

NICASIO L. DE LARA, Cuba, W. I.

A collection of Jasper, Chalcedonies, Semi-opals, etc. Beautifully marked by Dendritic crystallization, from the Province of Puerto Principe, Cuba.

A. P. MINEAR, New York.

Limonitic Stalactite, from the Iron Mountain Mine, Shasta Co., Col.

- M. A. FULLER, Jacksonville, Fla.
 2 Specimens of Quartz, with bubble inclusions (large), from Magnet Cove, Hot Springs, Ark.
- DR. O. P. HUBBARD, New York.
 Large Chrysolitic boulder of Basalt from Thetford, Vt.
 Specimen of large Beryl section, from Grafton, N. H.
- R. L. JACK, Brisbane, Queensland, Australia.
 1 Specimen of Siliceous Sinter (contains gold), from Freehold Tunnel, Mt. Morgan Mine, Queensland, Australia.
- G. F. KUNZ, New York.
 A specimen of Tabasheer, bought at the Calantha Bazaar of 1889, which may be the "snake stone" of Tavernier.
 3 Photographic views of the Platium district, Martiam River, Demidoff Estate, Nizhni Tagilsk, Ural Mts., European Russia.
 3 Samples of earth and concentrates, and 1 sample of Platinum taken from the same.
- H. F. KOCH & CO., Aspen, Col.
 Specimens of Silver, containing native silver and Argentite, from the "Della S." Mine, Aspen, Col.
- D. MAGUIRE, Chief of the Mining Department of the World's Fair Columbian Exhibit, for the State of Utah.
 2 Crystals of White Topaz, from Millard Co., Utah.
 A small block of Kaolin, from the Bullion and Beck Mines, Utah.
 A slab of Gilsonite, from near Fort Duchesne, Uintah, Co., Utah.
- DR. J. S. McLAURY.
 1 Specimen of Gypsum, from Onondago Co., N. Y.
 1 Specimen of Travertine, from Cascade, Fall River Co., S. W. Dakota.
- WM. NIVEN, New York.
 1 Rose Garnet Crystal, from Xolostoc, Mexico.
 A slab of Rose Garnet, from Xolostoc, Mexico.
- N. B. POWTER, New York.
 Boulder of Phosphate rock, from Upper Florida.
- T. SANDERS, New York.
 Specimen of massive Garnet, from Town of Chester, Warren Co., N. Y.
 Coccoilite, Quartz, Chloritic pseudomorphs.
- STERLING EMERY WHEEL CO., New York. Through L. BEST.
 4 Emery wheels; 3 of Chester Corundum and 1 of Georgia and Chester Corundum.
 1 Specimen of Naxos or Greek Emery.
 1 " " Ruby Corundum, from Clay Co., N. C.
 1 " " " " Macon Co., N. C.
 2 Whetstones; 1 of Chester Corundum and 1 of Georgia and Chester Corundum.
 1 Large specimen of Corundum, from Rabun Co., Georgia.
 1 " " " " Chester, Mass.
- D. JACKSON STEWARD, New York.
 A boulder of Quartzite, from the Town of Goshen, Orange Co., N. Y.
- S. SMITH, Staten Island, N. Y.
 A fine example of Corundum, from Naxos, Greece.
- C. H. SNOW, New York.
 7 Specimens of Native Copper, pseudomorph, after Azurite, Grant Co., N. M.

J. STANTON, New York.

A mass of native Copper, from Central Mine, Keweenaw Co., Mich.

UNION THEOLOGICAL SEMINARY, New York.

Specimens of Minerals, including alum, analcite, aragonite, dolomite, asbestos, actinolite, hornblende, calcite, limonite and quartz. In all 38 specimens.

WORLD'S FAIR COMMISSIONERS of Arizona, through Mr. T. R. Sorin, Arizona.

A very valuable collection of Copper Ore and Aragonite specimens illustrating, in part, the mineral wealth of Arizona. (Detail of this gift will be given in the next Annual Report.)

WORLD'S FAIR EXHIBIT, Copper Queen Consolidated Mines, Bisbee, Arizona. Through Wm. E. Dodge and Prof. James Douglas.

Obelisk of mingled Malachite and Azurite. (Detail of this gift will be given in the next Annual Report.)

WORLD'S FAIR COMMISSIONERS of Michigan.

Iron and copper ores, illustrating the mineral wealth of this State. (Detail of this gift will be given in the next Annual Report.)

WORLD'S FAIR COMMISSIONERS of the State of Washington.

Economic specimens of Coal and Iron. (Detail of this gift will be given in the next Annual Report.)

WORLD'S FAIR COMMISSIONERS of Arizona, through Mr. T. R. Sorin, Arizona.

2 Sandstone Columns.

CONCHOLOGICAL DEPARTMENT.

G. P. BAKER, New York.

2 Snail Shells, from Jamaica, W. I.

R. C. BARNARD, New York.

1 Specimen of Chiton, from California.

I. B. SNIFFEN, New York.

About 40 Marine Shells.

R. P. WHITFIELD, New York.

4 *Rhynchonella psittacea*. North Atlantic Coast.

13 Specimens of Brachiopods, *Terebratella septentrionalis*.

DEPARTMENT OF MARINE INVERTEBRATES

DR. C. S. ALLEN.

1 Cray-fish and 1 Crab (fiddler), from Suwanee River, Fla.

1 Octopus, 1 Hippus, 1 young Limulus and 1 small Sea Anemone or Tunicate, from the Indian River, Fla.

A. & S. BLOCH, New York.

1 Lobster, with a double right hand claw.

W. GRANGER, New York.

1 Specimen *Platyonichus ocellatus*, from South Beach, S. I.

1 " *Platycarcinus irroratus*, " " " "

ORNITHOLOGICAL DEPARTMENT.

13 Echinoderms, 8 Star-fish, 2 Corals and 1 Sponge. Donor unknown.

R. P. WHITFIELD, New York.

13 Specimens of Star-fishes in alcohol.

DEPARTMENT OF MAMMALS.

CHARLES SLOVER ALLEN, M.D., New York City.
9 skins, 9 specimens in alcohol, from Florida.

H. P. ATTWATER, Rockport, Texas.
2 skins of *Sitomys mearnsi*, 3 skulls of *Lepus*, 1 skull of *Spilogale indianola*.

MESSRS. BARNUM & BAILEY, Bridgeport, Conn.
1 Mandrill, 1 Chacma Baboon.

WILLIAM BEUTENMÜLLER, New York City.
1 Shrew.

C. L. BROWNELL, New York City.
1 Meadow Mouse, 1 House Mouse.

MRS. AGNES BYRNE, New York City.
1 mounted Duck-billed Platypus.

ALBERT B. CARR, Island of Trinidad.
3 House Mice.

HON. JOHN COSTIGAN, Ottawa, Canada.
1 skeleton of Moose, 1 skeleton of Fisher.

DEPARTMENT OF PUBLIC PARKS, New York City. (Central Park Menagerie.)
20 Monkeys; 1 Lion (whelp); 1 Leopard; 3 Panthers (one young); 3 Ocelots; 1 Bay Lynx; 3 Bears; 1 Gray Fox; 2 Red Foxes; 2 Gray Wolves; 1 Jackal; 1 Raccoon; 1 Mexican Coati; 1 Civet Cat; 5 Opossums; 1 Elk; 9 Deer; 1 Zebu Calf; 1 Nylghau (young); 1 Angora Goat; 2 Camels (one young); 1 young Hippopotamus; 1 Bennett's Wallaby. Total, 63 specimens, received in the flesh.

WILLIAM DUTCHER, New York City.
3 Red Bats.

JOHN FITZE, New York City.
1 Green Monkey.

A. J. C. FOYE, New York City.
1 Weasel.

WALTER W. GRANGER, New York City.
9 Gray Squirrels; 4 Red Squirrels; 3 Chipmunks; 8 Varying Hares; 1 Skull of Hyæna; 2 Woodchucks; 3 Skunks; 1 Weasel; 6 Black Rats; 38 Field Mice; 7 Shrews.

J. H. HEADY, Elmsford, N. Y.
17 Bats.

PHILIP HOLMES, New York City.
2 Black Rats.

MRS. HURD, New York City.
1 Albino Gray Squirrel.

C. W. KNIGHT, New York City.
1 Flying Squirrel.

J. J. MCKENNA, New York City.
1 Brown Bat.

EDGAR A. MEARNS, M. D., U. S. A.
1 *Sciurus niger limitis*; 1 *Cynomys ludovicianus*.

- GERRIT S. MILLER, JR., Peterboro', N. Y.
Type of *Sitomys rowleyi pinalis* Miller.
- MRS. H. O. PETERS, New York City.
1 Gray Squirrel.
- WM. M. RICHARDSON, New York City.
1 Woodchuck.
- R. S. ROWBOTTOM, Princetown, Trinidad.
1 Skull of Trinidad Deer.
- CHARLES P. ROWLEY, Hastings, N. Y.
4 Weasels ; 14 small Mammals.
- JOHN ROWLEY, JR., New York City.
3 Shrews ; 1 Bat ; 3 Muskrats ; 1 Mink ; 1 Wood Hare ; 5 Mice ; 6 Squirrels.
- WILLIAM W. SCHUYLER, Cobleskill, N. Y.
1 Horse.
- GEORGE B. SENNETT, Erie, Pa.
1 Black Squirrel ; 1 Varying Hare.
- E. B. SOUTHWICK, New York City.
17 Moles.
- Miss LUISE STRUPP, New York City.
1 mounted European Fox.
- AUGUSTUS TRAVIS, Elmsford, N. Y.
5 Young Muskrats.
- C. TRAVIS, Elmsford, N. Y.
1 Red Fox.
- I. N. TRAVIS, JR., Orange, N. J.
1 Red Squirrel.
- F. W. URICH and R. R. MOLE, Port-of-Spain, Trinidad.
4 specimens of *Loncheres*.
- J. VAN WAGMAN, JR., Lawyersville, N. Y.
1 Cow.
- WILLIAM WALLACE, New York City.
1 Raccoon.
- DR. B. H. WARREN, Chester, Pa.
1 Fox Squirrel, from Pennsylvania.
- DR. A. F. WETHERBY, Magnetic City, N. C.
2 skins of *Spilogale ringens*.

DEPARTMENT OF BIRDS.

- CHARLES SLOVER ALLEN, M.D., New York City.
92 bird skins and about 1000 eggs, mostly from Florida.
- E. T. ADNEY, New York City.
1 nest of Chimney Swift.
- H. P. ATTWATER, Rockport, Texas.
2 skins (adult and young) of *Tympanuchus attwateri*.
- Miss EMILY BROWN, New York City.
1 egg of Ostrich, 1 egg of Buzzard.
- C. L. BROWNELL, New York City.
1 Chickadee, 1 Yellow-bellied Woodpecker, 1 Indigo Bunting.

DEPARTMENT OF PUBLIC PARKS, New York City. (Central Park Menagerie.)

1 Parrakeet ; 4 Parrots ; 2 Cockatoos ; 1 Blue-and-yellow Macaw ; 1 Toucan ; 2 Robins ; 1 Cardinal ; 1 Pigeon ; 2 Quails ; 1 Ptarmigan ; 1 Peacock ; 3 Golden Pheasants ; 3 Owls ; 4 Hawks ; 9 Eagles ; 1 Crane ; 1 Coot ; 1 Scarlet Ibis ; 1 Bittern ; 1 Woodcock ; 3 Ducks ; 2 Chinese Geese ; 1 Canada Goose ; 21 White Swans ; 1 Black Swan ; 1 Curassow. Total, 70 specimens, received in the flesh.

WILLIAM DUTCHER, New York City.

1 skeleton of Black-throated Loon.

LYMAN S. FOSTER, New York City.

13 small birds.

WALTER W. GRANGER, New York City.

6 Night Herons ; 2 Bitterns ; 1 Kingfisher ; 2 Titlarks ; 2 Pine Warblers ; 1 Crossbill ; 4 Woodpeckers ; 2 Flycatchers ; 1 Ruffed Grouse ; 1 Grebe ; 1 Duck ; 1 Hawk.

HENRY HALES, Ridgewood, N. J.

1 skull of Macaw, from Indian graves in New Mexico.

H. R. HASKINS, New York City.

1 Kingfisher.

LAWRENCE HOLDEN, Leicester, Mass.

1 Vireo's nest.

C. B. ISHAM, New York City.

1 Tennessee Warbler.

JOHN H. W. KILLEEN, New York City.

1 egg and 1 bill of Albatross.

MESSRS. KNAPP AND VAN NOSTRAND, New York City.

7 Tinamous.

MRS. LAVELLE, New York City.

1 Green Parrot.

GEORGE N. LAWRENCE, New York City.

1 Tinamou.

ROBERT H. LAWRENCE, Duarte, Cal.

9 bird skins, from Oregon and Washington.

LEVERETT M. LOOMIS, Tryon, N. C.

3 bird skins, from Chester, S. C.

J. J. McDONALD, New York City.

1 Parrot.

W. OGDEN, New York City.

1 Green Parrot.

F. W. PALMER, New London, Conn.

1 Dovekie.

REV. R. B. POST, Hoboken, N. J.

2 Bonaparte Gulls ; 1 Guillemot.

GEORGE H. RAGSDALE, Gainesville, Texas.

1 Cardinal.

CHARLES P. ROWLEY, Hastings, N. Y.

13 small birds ; 4 young Woodcock.

JOHN ROWLEY, JR., New York City.

34 small birds ; 1 Ruffed Grouse ; 1 Northern Shrike ; 1 Blue Jay ; 1 Barred Owl ; 1 Green Parrot ; 2 eggs of Woodcock.

Miss ELIZABETH C. TAYLOR, Winnipeg, Manitoba.

8 bird skins, from Arctic America.

ERNEST E. THOMPSON, Toronto, Can.

4 bird skins.

I. N. TRAVIS, JR., Orange, N. J.

1 Horned Grebe ; 1 Red-shouldered Hawk ; 1 Blue Jay ; 1 Northern Shrike ; 1 mounted Bonaparte Gull.

CHARLES K. WORTHEN, Warsaw, Ill.

4 bird skins, from Western Mexico.

A. H. VERRILL, New Haven, Conn.

33 rare bird skins, from Costa Rica.

DEPARTMENT OF REPTILES AND FISHES.

HORACE C. ADAMS, Portsmouth, N. H.

1 Horned Toad, from California.

CHARLES SLOVER ALLEN, M.D., New York City.

50 Snakes ; 40 Lizards ; 1 Alligator ; 2 Iguanas ; 2 eggs and 125 embryos of Loggerhead Turtle (two series showing stages of development) ; 3 jaws of Sharks ; mostly from Florida.

H. P. ATTWATER, Rockport, Texas.

4 Lizards.

GEORGE P. BAKER, New York City.

1 Tree Frog, from Jamaica, W. I. ; palatal bone of Drum Fish.

DR. G. BAUR AND C. F. ADAMS, Chicago, Ill.

2 Galapagos Tortoises.

IRVIN CADMUS, New York City.

1 Snake from Cuba.

H. CARACCILO, Port-of-Spain, Trinidad.

1 Crocodile.

FRANK M. CHAPMAN, New York City.

1 Snake.

DEPARTMENT OF PUBLIC PARKS, New York City. (Central Park Menagerie.)

3 Pythons.

WM. C. HARRIS, New York City.

Series of jaws of young Salmon, illustrating growth.

Miss PAULINE A. LAUVET, Jersey City, N. J.

1 Snake and 1 Toad.

GEORGE N. LAWRENCE, New York City.

1 stuffed Porcupine Fish.

GEORGE H. MACKAY, Nantucket, Mass.

1 Striped Snake and litter of young.

C. OERTEL, New York City.

1 mounted Iguana.

LIEUT. J. G. ORD, U. S. A.

1 large Alligator Gar, from Fort Clarke, Texas.

Miss FRANCES PELL, New York City.

1 young Alligator.

JOHN ROWLEY, JR., New York City.
2 Muhlenberg's Turtles ; 1 Hog-nosed Snake.

E. G. STEWART, New York City.
Snakes' eggs, from California.

HENRY J. THOMAS, New York City.
1 Box Turtle.

WILLIAM WALSH, Nappville, Va.
1 small fish ; 6 *Hippocampi*.

DEPARTMENT OF ENTOMOLOGY.

W. E. BOORAEM, New York City.
Specimens of nest of White Ant, from Jamaica, W. I.

DEPARTMENT OF AGRICULTURE OF MASSACHUSETTS (through
Prof. C. H. Fernald).
Specimens illustrating the life history of the Gipsy Moth (*Ocneria
dispar*).

F. INGRAHAM, Elmira, N. Y.
1 Centipede, from Cuba, W. I.

IRVIN CADMUS, New York City.
1 Bird Spider, from Cuba.
1 Scorpion, " "

REV. J. L. ZABRISKIE, Flatbush, L. I.
A small collection of Beetles, from New York.

JOSEPH HUSSON, JR., New York City.
Specimen of wood showing galleries made by a species of ant.

DANIEL J. KEARNEY, New York City.
1 Hercules Beetle (*Dynastes hercules*), from the Island of Dominica,
W. I.

MISS DE PEYSTER, New York City.
1 Wasp nest, from Lenox, Mass.

WM. M. WILSON, New Jersey.
1 Spider, from New Jersey.

DR. H. H. RUSBY, New York City.
Specimens of insect galls, from South America.

DR. J. W. METCALF, New York City.
Several Beetles, from U. S. Columbia.

GEORGE D. BRADFORD, New York City.
2 boxes of *Micro-lepidoptera*.

H. G. DYAR, New York City.
1 *Trochilium fraxini*.

F. M. CHAPMAN, New York City.
1 Gigantic Locust, from Trinidad.

DEPARTMENT OF ARCHÆOLOGY AND ETHNOLOGY.

APPLETON STURGIS, Esq., New York City.

Two-handed sword, made of blade of the Saw Fish, painted on one side in different colors and in fantastic pattern, from New Guinea.

Two-handed Club (wood) ; teeth on one side, hook at end on other side. Samoa Islands.

Curiously carved club, open work on both sides, from Samoa Islands. Club, finely carved, from Samoa Islands.

Club, unusual shape, rope handle attached, from New Guinea.

Bird's-head club, from New Caledonia.

Wooden fetich, representing human head, with long upright ears, body charred in places, amulet of shell attached to lower end, from New Guinea.

Wooden fetich in shape of paddle, carved on both sides in relief with representations of grotesque human figures, from New Ireland.

Shield, carved in relief with representation of human figure, decorated with braids of human hair, feathers and straw work, from New Guinea.

Mat, four feet long, one foot wide, woven from grass and profusely decorated with tufts of human hair and feathers of different birds, supposed to have been hung up inside the house as an ornament and token of prowess of the chief, the tufts of hair representing each an enemy killed in battle ; from New Guinea.

Mat, similar to above, but smaller, decorated with red and white feathers, from New Guinea.

Mat, similar to the above, larger and decorated with different feathers ; from New Guinea.

Representation of a human head, carved from a cocoanut, crowned with feathers and set in a straw cap or hood ; a fetich, from New Guinea.

Pillow, or head rest, elaborately carved, the legs attached and not cut from the same piece of wood, as usual, from New Zealand.

Mask, made from the front of a human skull, the frontal bone and the upper and lower jaw being fastened together and cemented with red clay, the whole ornamented with a fringe of sponge ; a stick fastened on the inside by which the mask was held between the teeth of the wearer in their dances and religious ceremonies ; from New Britain Islands.

Mask, similar to above, from New Britain Islands.

Large Bag, made from coir rope, from New Guinea.

Lime bottle, with ivory spoon, from New Guinea.

Woman's head dress, with heavy seed pendants falling on each side of the ears, from New Guinea.

Stone Axe, or hammer, fastened to a handle with "blackboy gum," Australia.

Carved boomerang, Australia.

" " similar to above, Australia.

Boomerang, plain, Australia.

Pottery jar, from Fiji Islands.

A large amount of material, from the Villard Expedition in Peru, South America.

A collection of Archæological material, from near Casas Grandes, Chihuahua. A collection of Ethnological material, relating to the Tarahumare Indians, Chihuahua, Mexico. Carl Lumholtz Expedition.

EXCHANGES.

LIBRARY.

- H. H. & C. S. BRIMLEY, Raleigh, N. C.
Journals. 6 odd numbers.
3 pamphlets.
- A. E. FOOTE, Philadelphia, Pa.
A Manual of the Coniferæ. 1881.
On the Strength of American Timber. By R. H. Thurston. 1879.
- R. C. SCHIEDT, Lancaster, Pa.
Principles of Zoölogy. 1892.
- T. H. WHEATLEY, Montpelier, Vt.
Reports of Vermont Dairymen's Association. 20-23. 1887-1893.

GEOLOGICAL DEPARTMENT.

- A. C. BATES, New York.
1 Specimen of fossil Turtle, showing bony structure and plastron, from Bad Lands, Sioux Co., Neb.
1 Head (*Oreodon gracilis*), from Bad Lands, Sioux Co., Neb.
2 Specimens Gasteropods (*Vivipara*), from Bad Lands, Sioux Co., Neb.

MINERALOGICAL DEPARTMENT.

- L. CAHN, New York.
3 Separate crystals of Zircon, from El Paso Co., Col.
A set of decolorized specimens, from El Paso Co., Col.
Box of opaque Zircons, from Cheyenne Mt., El Paso Co., Col.
1 Specimen of Bastnasite, from ridge above N. Cheyenne, El Paso Co., Col.
- G. F. KUNZ, New York.
Diamondiferous earth, from Plum Creek, Pearce Co., Wis.
Carnelian ring, to be worn as a pendant to a necklace, made for Central African trade at Oberstein, Germany.

DEPARTMENT OF MAMMALS.

- LELAND STANFORD UNIVERSITY, Palo Alto, Cal., through Prof. Charles H. Gilbert.
21 small Mammals, from California.
- CHARLES F. BATCHELDER, Cambridge, Mass.
3 Striped Squirrels, from Banff, Canada.

DEPARTMENT OF BIRDS.

- DR. WM. C. AVERY, Greensboro', Ala.
5 specimens.
- DR. PHILIP L. SCLATER, Zoölogical Society, London.
121 specimens, from various localities.

PURCHASES.

LIBRARY.

- Catalogue of the Birds in the British Museum. XXII. 1893.
 Edwards Butterflies of North America. No. 14. 1893.
 Trow's New York City Directory. 1893.
 Publisher's Weekly. 1893.
 The City Record. 1893.
 Science. 1893.
 American Journal of Science and Arts. 1893.
 American Geologist. 1893.
 American Naturalist. 1893.
 Garden and Forest. 1893.
 Forest and Stream. 1893.
 The Ibis. 1893.
 The Zoölogist. 1893.
 Nature. 1893.
 Annales and Magazine of Natural History. 1893.
 Biologia Centrali Americana. Nos. 106-112. 1893.
 Tryon's American Marine Conchology. Manual of Conchology. Nos. 31, 32, 33, 55-57.
 Zoölogical Record. 1892.
 Zoölogischer Anzeiger. 1893.
 Palæontographica. 1892-'93.
 Cabanis's Journal für Ornithologie. 1893.
 Neues Jahrbuch Mineralogie, Geologie and Palæontology. 1893.
 King, M. Handbook of New York City. Second Edition. 1893.
 18 Early Annual Reports of Central Park.
 The Cultivator on Agriculture. 27 vols.
 Reiss, W. & Stübel, A. The Necropolis of Ancon in Peru. 3 vols. 1885-7.
 Stübel, A. & Uhle, M. Die Ruinenstaette des Alten Peru. 1892.
 Scudder, S. H. Brief Guide to Commoner Butterflies of N. U. S. and Canada. 1893.
 Scudder, S. H. The Life of a Butterfly. 1893.
 Edwards, C. E. Camp-Fires of a Naturalist. 1893.
 Königlich-Preussische Akademie der Wissenschaften zu Berlin.
 Sitzungsberichte. 1887, 11 parts. 1888, 22 parts. 1889, 20 parts. 1890, 22 parts. 1891, 23 parts.
 Kongliga Vetenskaps Akademien, Forhandlingar, Stockholm.
 Öfversigt. 23 parts. 1842-1875.
 Naturforschenden Gesellschaft, Freiburg.
 Berichte. Erste Band (1886).
 Proceedings Royal Society of Victoria. Vol. II (new series). 1890.
 Transactions and Proceedings Royal Society Victoria. Vol. XVI, 1880.
 Vol. XX, 1884.
 Proceedings of Zoölogical and Acclimation Society of Victoria. Vol. I. 1872.
 Kirby, W. F. A Synonymic Catalogue of Lepidoptera Heterocera. Vol. I. 1892.
 Hofman, E. Dr. Die Raupen der Schmetterlinge Europas. 23 parts.
 Burmeister, H. Handbuch der Entomologie. 6 vols. 1832-1847.
 Sharpe, R. B. Monograph of the Paraseidæ or Birds of Paradise. 1892-1893.
 Bosgoed, D. M. Biblio Ichthyol. et Piscat. Catalogus van Boeken. 1874.
 Pritzel, G. A. Thesaurus Literaturæ Botanicae Omnium Gentium, etc. 1872.

- Saussure, H. de. *Additamenta ad Prodromum. Oedipodiorum.* 1888.
 Saussure, H. de. *Prodromus Oedipodiorum, Insectorum, etc.* 1884.
 Kirby, W. F. *A Review of the Sub-family Libellulinae.* 1889.
Proceedings of the Royal Society. 16 vols.
The Asiatic Journal and Monthly Register for British and Foreign India. 46 numbers.
The New York Times. 1861-'62.
Scribner's Monthly Illustrated Magazine. 230 odd numbers.
The Century Magazine. 315 odd numbers.
Harper's Magazine. 13 odd numbers.
Atlantic Magazine. 2 odd numbers.
Outing. 1 odd number.
The Horticulturist. 8 vols.
The Southern Cultivator. 2 vols.
Société Vaudoise der Science Naturelle. Bulletin. 2d Ser. Vol. XII. No. 70.
La Société Linneenne de Bordeaux. Actes. Tome XXIV; 1, 2 and 5 Liv. XXVII; 1. XXVI; 4, 5, 6. 1868.
A Synonymic Catalogue of Neuroptera Odonata or Dragon Flies. By W. F. Kirby. 1890.
The Dominion Annual Register and Review. 19th year. 1882-'85. Toronto, Canada.

MINERALOGICAL DEPARTMENT.

- 1 Tourmaline crystal, polished and cut, from California.
 1 Rhodochrosite, from Colorado.
 1 Specimen of sulphur, from Girgenti, Sicily.
 3 Crystals " " "
 A large slab of Labradorite, from Hudson Bay Territory.
 A large mass of " Spike Silver," from Bland Mine, Richmond Basin, Gila Co., Ariz.
 E. E. HOWELL, Washington, D. C.
 132 Models of crystals in wood, illustrating the six systems of crystallography.
 3 Sets of minerals, illustrating physical constants, including one set illustrating cleavage, one set lustre, and one set hardness; in all, 25 specimens.
 1 Set (6) of Preston celluloid crystal models.

DEPARTMENT OF MAMMALS.

THROUGH MUSEUM EXPEDITIONS.

- 217 specimens, from the Island of Trinidad.
 57 specimens, vicinity of New York City.
 165 specimens, from New Brunswick, collected by Charles P. Rowley and Tappan Adney.

BY DIRECT PURCHASE.

- 1 Chapman's Zebra; 246 small Mammals from Lower California; 374 small Mammals, chiefly from Texas, Arizona and California.

DEPARTMENT OF BIRDS.

THROUGH MUSEUM EXPEDITIONS.

576 specimens, from the Island of Trinidad.

135 specimens, from New Brunswick, collected by Charles P. Rowley and Tappan Adney.

BY DIRECT PURCHASE.

130 specimens, mostly from Mexico and Central America.

DEPARTMENT OF REPTILES AND FISHES.

THROUGH MUSEUM EXPEDITIONS.

25 Reptiles and Batrachians, from the Island of Trinidad.

DEPARTMENT OF MAMMALIAN PALÆONTOLOGY.

THROUGH MUSEUM EXPEDITION.

150 Specimens of fossil mammals from the Pliocene sand beds of Nebraska, including many exceptionally fine representations of extinct Horses, Camels, Deer, Peccaries, Sloths, Rodents and Carnivores.

10 Specimens from the Loup Fork Beds of Nebraska, among which are included remains of three-toed Horses, bones of Camels and Carnivores.

About 50 specimens of extinct mammals from the Eocene deposits of the Washakie Basin, Wyoming. This collection includes an exceptionally fine series of skulls of the large six-horned *Dinocerata*, numerous skulls and jaws of *Palæosyops*, together with many smaller species.

About 150 specimens of extinct mammals from the Eocene deposits of the Bridger Basin, Wyoming. In this collection there are five complete skulls, together with complete limbs and other parts of the skeleton of the large *Uintatherium*, a complete skeleton of *Patriofelis tigrinus*, hitherto known from only fragments of the jaws, numerous skulls and parts of skeletons of *Palæosyops*, *Hyrachyus*, Lemurs, Rodents and Carnivores.

BY PURCHASE.

Cast of large Sloth, *Megatherium*, mounted; 3 skulls of *Titanotherium*; 1 Lower Jaw of *Titanotherium*; foot of Tapir; foot of Horse; foot of Rhinoceros; foot of Elephant; foot of Llama; foot of Cow; foot of Peccary; foot of Elk; foot of Antelope; foot of Bear; foot of Lion; foot of Sloth.

INCORPORATION.

AN ACT

TO INCORPORATE THE

AMERICAN MUSEUM OF NATURAL HISTORY,

Passed April 6, 1869.

The People of the State of New York, represented in Senate and Assembly, do enact as follows :

SECTION 1. John David Wolfe, Robert Colgate, Benjamin H. Field, Robert L. Stuart, Adrian Iselin, Benjamin B. Sherman, William A. Haines, Theodore Roosevelt, Howard Potter, William T. Blodgett, Morris K. Jesup, D. Jackson Steward, J. Pierpont Morgan, A. G. P. Dodge, Charles A. Dana, Joseph H. Choate, and Henry Parish, and such persons as may hereafter become members of the corporation hereby created, are hereby created a body corporate, by the name of "The American Museum of Natural History," to be located in the City of New York, for the purpose of establishing and maintaining in said city a Museum and Library of Natural History ; of encouraging and developing the study of Natural Science ; of advancing the general knowledge of kindred subjects, and to that end of furnishing popular instruction and recreation.

SEC. 2. Said Corporation shall have power to make and adopt a Constitution and By-Laws, and to make rules and regulations for the admission, suspension, and expulsion of its members, and their government, the number and election of its officers, and to define their duties, and for the safe keeping of its property, and, from time to time, to alter and modify such Constitution, By-Laws, Rules, and Regulations. Until an election shall be held pursuant

to such Constitution and By-Laws, the persons named in the first section of this Act shall be, and are hereby declared to be the Trustees and Managers of said Corporation and its property.

SEC. 3. Said Corporation may purchase and hold, or lease, any real and personal estate necessary and proper for the purposes of its incorporation, provided they shall not hold real estate which shall exceed one hundred thousand dollars in value.

SEC. 4. Said Corporation shall possess the general powers, and be subject to the restrictions and liabilities prescribed in the Third Title of the Eighteenth Chapter of the First Part of the Revised Statutes.

SEC. 5. This Act shall take effect immediately.

STATE OF NEW YORK, }
OFFICE OF THE SECRETARY OF STATE. } ss.

I have compared the preceding with the original law on file in this office, and do hereby certify that the same is a correct transcript therefrom, and of the whole of said original law.

[L. S.] Given under my hand and seal of Office at the City of Albany,
this fourteenth day of April, in the year one thousand eight
hundred and sixty-nine.

D. WILLERS, JR., *Deputy Secretary of State.*

CONSTITUTION
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY,
IN THE CITY OF NEW YORK.

ARTICLE I.

This Corporation shall be styled the AMERICAN MUSEUM OF NATURAL HISTORY.

ARTICLE II.

The several persons named in the charter, and such others as they may add to their number, which shall not exceed twenty-five in all at one time, shall be the Trustees to manage the affairs, property, and business of the Corporation, and in case of the death, accepted resignation, or removal from the State of any Trustee, a new Trustee shall be elected to fill his place by the remaining Trustees ; but no election of a Trustee shall be held except at a quarterly meeting of the Trustees, on written notice of not less than one week, specifying that such election is to be held, and the vacancy which is to be filled ; and every election of Trustees shall be by ballot, and no person shall be deemed to be elected a Trustee unless he shall receive the votes of at least three-fourths of the Trustees present.

ARTICLE III.

The Trustees shall meet quarterly, on the second Monday of every February, May, August and November, at an hour and place to be designated, on at least one week's written notice from the Secretary, and shall annually, at the quarterly meeting in February, elect the officers and committees for the ensuing year. They shall also meet at any other time to transact special business on a call of the Secretary, who shall issue such call whenever

requested so to do, in writing, by five Trustees, or by the President, and give written notice to each Trustee of such special meeting, and of the object thereof, at least three days before the meeting is held.

ARTICLE IV.

SECTION 1. The officers of said Corporation shall be a President, a First Vice-President, a Second Vice-President, and a Treasurer, all to be elected from the Trustees. These officers shall be elected by ballot, and the persons having a majority of the votes cast shall be deemed duly elected. They shall hold their offices for one year or until their successors shall be elected.

SEC. 2. The Board of Trustees shall appoint each year, in such manner as it may direct, the following Standing Committees : an Executive Committee, an Auditing Committee, a Finance Committee and a Nominating Committee. These Committees are all to be elected from the Trustees, and the members shall hold office for one year or until their successors shall be elected.

The Board of Trustees shall also have authority to appoint such other Committees or officers as they may at any time deem desirable, and to delegate to them such powers as may be necessary.

ARTICLE V.

SECTION 1. The President shall have a general supervision and direction over the affairs of the Corporation, and shall preside at all the meetings of the Museum and of the Trustees. In his absence or inability to act the First or Second Vice-President shall act in his place.

SEC. 2. The Secretary shall be appointed by the Board of Trustees. He shall be present, unless otherwise ordered by the Board, at all the meetings of the Museum and Trustees, of the Executive Committee and such other Committees as the Board may direct. He shall keep a careful record of the proceedings of such meetings, shall preserve the seal, archives and correspondence of the Museum, shall issue notices for all meetings of the Trustees and various committees, and perform such other duties as the Board may direct.

The Board of Trustees shall have power to appoint an Assistant Secretary, who, under its directions, shall perform the duties of the Secretary in his absence or inability to act.

SEC. 3. The Treasurer shall receive and disburse the funds of the Museum. He shall report in writing, at each quarterly meeting of the Trustees, the balance of money on hand, and the outstanding obligations of the Museum, as far as practicable; and shall make a full report at the Annual Meeting of the receipts and disbursements of the past year, with such suggestions as to the financial management of the Museum as he may deem proper.

SEC. 4. The accounts of the Museum shall be kept at the General Office, in books belonging to it, which shall at all times be open to the inspection of the Trustees.

These accounts shall be under the care of an Assistant Treasurer, who shall be appointed by the Board of Trustees and be under their direction. He shall give such bonds for the faithful performance of his duties as the Board may direct.

SEC. 5. The office of Secretary and of Assistant Treasurer may be held by the same person.

ARTICLE VI.

The Executive Committee shall consist of nine, of whom the President, First and Second Vice-Presidents, and Treasurer shall be four. The five members of the Executive Committee, elected in February, 1887, shall forthwith draw lots for terms of one, two, three, four, and five years, respectively, and the terms for which those drawing the two, three, four, and five years, respectively, were elected, are hereby extended to cover those periods; and hereafter at each annual election one member of the Executive Committee shall be elected to serve for five years. They shall have the control and regulation of the Collections, Library and other property of the Museum; and shall have power to purchase, sell, and exchange specimens and books, to employ agents, to regulate the manner and terms of exhibiting the Museum to the public, and generally to carry out in detail the directions of the Trustees; but the Executive Committee shall not incur any expense or liability for the Museum exceeding two

thousand dollars at one time, or exceeding in all ten thousand dollars, in the interval between the quarterly meetings of the Trustees, without the express sanction of the Trustees. Five members of the Committee shall constitute a quorum for the transaction of business.

ARTICLE VII.

The Auditing Committee shall consist of three Trustees. It shall be their duty to examine and certify all bills presented against the corporation, and no bills shall be paid unless first approved by the President, or the Chairman of the Executive Committee, in writing, and by at least one member of this Committee.

They shall also have the books of the Museum duly audited at least once in six months by an authorized public accountant to be selected by them.

ARTICLE VIII.

The Finance Committee shall consist of four, including the Treasurer. It shall be their duty to take charge of and invest the funds of the Museum in its name and to take all proper measures to provide means for its support ; and they shall have the sole custody of the securities belonging to the invested funds of the Museum, subject to the order of the Board of Trustees.

ARTICLE IX.

The Nominating Committee shall be composed of three, to whom shall be first submitted the name of any person proposed as a candidate for election to membership in the Board of Trustees. The Committee shall report on such candidates from time to time, as they may deem to be for the interest of the Museum.

ARTICLE X.

The President shall be a member, *ex-officio*, of all standing committees.

ARTICLE XI.

A majority of the Trustees for the time being shall constitute a quorum for the transaction of business, but five Trustees meeting

may adjourn and transact current business, subject to the subsequent approval of a meeting at which a quorum shall be present.

ARTICLE XII.

By-Laws may from time to time be made by the Trustees providing for the care and management of the property of the Corporation and for the government of its affairs, and may be amended at any meeting of the Trustees by a vote of a majority of those present, after a month's notice in writing of such proposed amendment.

ARTICLE XIII.

The contribution of \$1000 or more to the funds of the Museum, at any one time, shall entitle the person giving the same to be a Patron of the Museum, who shall have the right in perpetuity to appoint the successor in such patronship.

The contribution of \$500, at one time, shall entitle the person giving the same to be a Fellow, who shall have the right to appoint one successor in such fellowship.

No appointment of a successor shall be valid unless the same shall be in writing, endorsed on the certificate, or by the last will and testament.

The contribution of \$100, at one time, shall entitle the person giving the same to be a Life Member.

Any person may be elected by the Trustees to either of the above degrees, who shall have given to the Museum books or specimens, which shall have been accepted by the Executive Committee, or by the President, to the value of twice the amount in money requisite to his admission to the same degree, and the President and Secretary shall issue diplomas accordingly under the seal of the Museum.

The Trustees may also elect Honorary Fellows of the Museum in their discretion.

ARTICLE XIV.

Any person who has held the office of President for ten or more successive years may be elected by the Trustees as Honorary President for life.

ARTICLE XV.

No alterations shall be made in this Constitution, unless at a regular quarterly meeting of the Trustees ; or at a special meeting called for this purpose, nor by the votes of less than a majority of all the Trustees ; nor without notice in writing of the proposed alteration, embodying the amendment proposed to be made, having been given at a regular meeting.

BY-LAWS.

I.

Patrons giving \$1000 are each entitled to one Subscriber's Ticket, 5 Complimentary Season Tickets, and 10 Tickets for a single admission.

Fellows, giving \$500, are each entitled to 1 Subscriber's Ticket, and 10 Tickets for a single admission.

Life Members, giving \$100, are each entitled to 1 Subscriber's Ticket, and 5 Tickets for a single admission.

Annual Members, paying \$10 yearly, are each entitled to 1 Subscriber's Ticket, and 2 Tickets for a single admission.

[NOTE.—A Subscriber's Ticket admits two persons to the Museum on reserve days (Mondays and Tuesdays), and to all Receptions and Special Exhibitions, and may be used by any member of the Subscriber's family.

The Single Admission Tickets admit the bearers to the Museum on reserve days (Mondays and Tuesdays), and are issued to Subscribers for distribution among friends and visitors.]

II.

Any Trustee who shall fail to attend three consecutive Regular Quarterly Meetings of the Board shall cease to be a Trustee, unless excused by the Board.

III.

No gentleman shall hereafter be eligible to the position of a Trustee who shall not be a "Patron" of the Museum, unless by a unanimous vote of a quorum of the Board—excepting Trustees *ex-office*—nor be eligible unless his name shall be presented by the Nominating Committee at a Regular Quarterly Meeting prior to the meeting at which said election shall take place.

IV.

No indebtedness (other than for current expenses) shall be incurred by any committee, officer or employee of the Museum, except as provided for in the Constitution. Any desired additional expenditure shall first receive the approval of the Board of Trustees.

V.

If any Trustee shall accept a salary from this Corporation he shall thereby be disqualified for the time being from acting as a Trustee thereof; provided, that the Board of Trustees shall have power to suspend the operation of this law in any special case.

VI.

Any vacancies occurring in the membership of the several committees during the interval between the regular meetings of the Board of Trustees may be filled at a regular meeting of the Executive Committee, until the next meeting of the Board.

VII.

All bequests or legacies, not especially designated, shall hereafter be applied to the *Permanent Endowment Fund*, the interest only of which shall be applied to the use of the Museum as the Board shall direct.

VIII.

At such times as it may be impracticable to obtain the services of the members of the Auditing Committee, the members of the Executive Committee may act in their place and stead.

PATRONS.

By the Payment of One Thousand Dollars.

MORRIS K. JESUP.
 ROBERT L. STUART.*
 MISS C. L. WOLFE.*
 ROBERT COLGATE.*
 FREDERIC W. STEVENS.
 PERCY R. PYNE.
 JAMES M. CONSTABLE.
 JOHN B. TREVOR.*
 ADRIAN ISELIN.
 HUGH AUCHINCLOSS.*
 JOSEPH W. DREXEL.*
 WILLIAM E. DODGE.
 JOHN D. WOLFE.*
 ABRAM S. HEWITT.
 C. VANDERBILT.
 J. PIERPONT MORGAN.
 CHARLES LANIER.
 D. JACKSON STEWARD.
 EDWARD CLARK.*
 A. G. PHELPS DODGE.
 JAMES BROWN.*
 A. T. STEWART.*
 S. WHITNEY PHOENIX.*
 BENJAMIN H. FIELD.*
 WILLIAM T. BLODGETT.*
 OLIVER HARRIMAN.
 ROBERT BONNER.
 JAMES B. COLGATE.
 ALEXANDER STUART.*
 WILLIAM A. HAINES.*
 BENJAMIN AYMAR.*
 RICHARD ARNOLD.*
 JOSEPH H. CHOATE.
 JONATHAN THORNE.*
 MISS PHEBE ANNA THORNE.
 D. O. MILLS.
 JOHN A. C. GRAY.
 HEBER R. BISHOP.
 CHAS. G. LANDON.*
 WILLIAM E. DODGE.*
 PETER COOPER.*
 WILLIAM H. ASPINWALL.*

B. H. HUTTON.*
 J. TAYLOR JOHNSTON.*
 D. N. BARNEY.*
 I. N. PHELPS.*
 JAMES STOKES.*
 D. WILLIS JAMES.
 EDWARD MATTHEWS.
 WILLIAM T. GARNER.*
 JAMES LENOX.*
 A. H. BARNEY.*
 COLEMAN T. ROBINSON.*
 BENJAMIN B. SHERMAN.*
 JAMES R. ELY.
 JONAS G. CLARK.
 JOHN ANDERSON.*
 JOHN JACOB ASTOR.*
 WILLIAM WALDORF ASTOR.
 CATHERINE L. SPENCER.*
 JAS. GORDON BENNETT.
 CYRUS W. FIELD.*
 ALEX. H. BROWN, M.P.
 J. A. BOSTWICK.*
 FREDERICK BILLINGS.*
 Mrs. ROBERT L. STUART.*
 JESSE SELIGMAN.
 THEO. ROOSEVELT.
 OSWALD OTTENDORFER.
 J. HAMPDEN ROBB.
 J. F. LAUBAT.
 H. J. JEWETT.
 WM. D. SLOANE.
 D. G. ELLIOT.
 LIEUT. G. T. EMMONS.
 C. P. HUNTINGTON.
 GEO. W. VANDERBILT.
 EDWARD D. ADAMS.
 WILLIAM C. SCHERMERHORN
 JOHN J. CROOKE.
 HENRY SELIGMAN.
 RICHARD T. WILSON.
 JOHN E. PARSONS.
 FRANCIS O. MATTHIESSEN.

A. J. FORBES-LEITH.
 GEORGE BLISS.
 HON. M. C. D. BORDEN.
 ARCHIBALD ROGERS.
 GEORGE C. COOPER.
 MRS. M. SCHUYLER ELLIOT.
 APPLETON STURGIS.
 THEODORE A. HAVEMEYER.

WILLIAM C. WHITNEY.
 GEORGE G. HAVEN.
 JAMES BAKER SMITH.
 CYRUS W. FIELD, JR.
 JAMES ANGUS.
 HENRY VILLARD.
 DR. WM. PEPPER.

Honorary Patron,
 DR. EDGAR A. MEARNS, U. S. A.

FELLOWS.

By the Payment of Five Hundred Dollars.

SAMUEL WILLETS.*
 ROBERT GORDON.
 HOWARD POTTER.
 C. V. S. ROOSEVELT.*
 CHARLES W. GRISWOLD.*
 SAMUEL F. B. MORSE.*
 RUTHERFORD STUYVESANT.
 MEREDITH HOWLAND.*
 MARSHALL O. ROBERTS.*
 JOHN ALSTYNE.*
 O. B. POTTER.
 HON. LEVI P. MORTON.
 HANSON K. CORNING.*
 STEWART BROWN.*
 ABRAM DUBOIS.*
 TIFFANY CO.
 LUCIUS TUCKERMAN.
 ALFRED B. DARLING.
 A. A. LOW.*
 RICHARD MORTIMER, JR.
 THOS. A. VYSE, JR.
 GEORGE G. GRAY.*
 GOUVERNEUR KEMBLE.*
 SAMUEL HAWK.*
 JOHN SNEDEN.*
 GEORGE BLISS.
 R. A. WITTHAUS, M.D.

THOMAS BARRON.*
 GEORGE W. CASS.
 H. M. SCHIEFFELIN.*
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 H. M. FLAGLER.
 D. B. IVISON.
 H. McK. TWOMBLY.
 HENRY G. MARQUAND.
 JOHN T. TERRY
 JOSIAH M. FISKE.*
 ELLIOTT F. SHEPARD.*
 JOHN SLOANE.*
 JOHN D. ROCKEFELLER.
 PHILLIPS PHOENIX.
 LLOYD PHOENIX.
 WM. H. HARBECK.
 D. WOLFE BISHOP, JR.
 CORTLANDT FIELD BISHOP.
 WHEATON B. KUNHARDT.
 SAMUEL P. AVERY.
 JAMES H. JONES.
 JAMES B. HAGGIN.
 MRS. RICHARD P. DANA.

Honorary Fellow,
 JAMES THOMSON.*

* Deceased.

LIFE MEMBERS.

By the Payment of One Hundred Dollars.

JOHN E. ALEXANDRE.
 CONSTANT A. ANDREWS.
 MRS. B. L. ANDREWS.
 B. G. ARNOLD.
 SAMUEL P. AVERY.
 MRS. JAMES C. AYER.
 MISS E. AYMAR.
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 DAVID BANKS.
 HENRY I. BARBEY.
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 GEORGE E. BELCHER, M.D.*
 C. M. BELL, M.D.
 CORNELIUS N. BLISS.
 A. K. BOLAN.
 HENRI M. BRAEM.
 BENJAMIN BREWSTER.
 CHAS. P. BRITTON.
 ADDISON BROWN.
 FRANK G. BROWN.*
 JAMES M. BROWN.*
 JOHN L. CADWALADER.
 MRS. ALEX. CAMERON.
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 ISAAC P. CHAMBERS.*
 C. W. CHAPIN, JR.
 HENRY CHAUNCEY.
 HENRY CLEWS.
 CHARLES L. COLBY.
 EDWARD COLGATE.*
 WILLIAM COLGATE.
 MISS ELLEN COLLINS.
 FRED. H. COMSTOCK.
 WASHINGTON E. CONNOR.
 EDWARD COOPER.
 S. D. COYKENDALL.
 JAMES CRUIKSHANK.
 A. DALRYMPLE.*
 CHAS. M. DAcOSTA.*
 HENRY J. DAVISON.*

THOMPSON DEAN.
 F. W. DEVOE.
 GEORGE B. DE FOREST.
 S. DEJONGE.
 J. H. DEMOTT.*
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 E. J. DONNELL.
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 R. G. DUN.
 WM. BUTLER DUNCAN.
 JAMES H. DUNHAM.
 EDWARD J. FARRELL.
 JOHN FITCH.
 PROF. A. E. FOOTE.
 JAMES FRASER.
 FRANCIS P. FREEMAN.
 SETH BARTON FRENCH.
 GEORGE GARR.
 WILLIAM H. GEBHARD.
 THEODORE K. GIBBS.
 PARKE GODWIN.
 JAMES J. GOODWIN.
 STEPHEN T. GORDON.*
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 JOHN GREENOUGH.
 JOHN N. A. GRISWOLD.
 FRANKLIN L. GUNTHER.
 ALEX. HADDEN, M.D.
 JOHN A. HADDEN.
 JOHN P. HAINES.
 RICHARD T. HAINES.
 W. A. HAINES, JR.
 MISS E. S. HAINES.
 MRS. W. A. HAINES.
 WILLIAM M. HALSTED.
 WILLIAM GASTON HAMILTON.
 BENJAMIN HART.
 FREDERICK C. HAVEMEYER.*
 JACOB HAYS.
 MRS. H. HERRMAN.

* Deceased.

ALFRED M. HOYT.
 THEO. D. HOWELL.
 WILSON G. HUNT.*
 C. P. HUNTINGTON.
 W. B. ISHAM.
 D. B. IVISON.
 A. JACOBI, M.D.
 MISS C. O. JONES.
 CHAS. H. KALBFLEISCH.*
 GEORGE KEMP.
 RUDOLPH KEPPLER.
 JOHN KING.
 JOHN ALSOP KING.
 WM. M. KINGSLAND.
 A. C. KINGSLAND.
 PERCIVAL KNAUTH.
 GEORGE T. KNIGHT.
 JAMES KNIGHT, M.D.*
 GEO. F. KUNZ.
 JOSEPH LAROCQUE.
 JAMES M. LAWTON.
 STEPHEN R. LESHER.
 JAMES LOW.
 EDWARD LUCKEMEYER.
 E. H. R. LYMAN.
 ALEXANDER MAITLAND.
 GODFREY MANNHEIMER.
 H. G. MARQUAND.
 PETER MARIE.
 WILLIAM C. MARTIN.*
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 ROBERT B. MINTURN.*
 ROWLAND G. MITCHELL, JR.
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 E. C. MOORE.*
 CHARLES MORAN.
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 THOMAS B. MUSGRAVE.
 W. B. NEFTTEL, M.D.
 H. VICTOR NEWCOMB.
 W. D. NICHOLS.
 WILLIAM NIVEN.

THOMAS H. O'CONNOR.
 C. H. ODELL.
 E. OELBERMANN.
 H. O'NEILL.
 A. O. OSBORN.
 MRS. A. O. OSBORN.
 JOHN C. OSGOOD.
 HENRY PARISH.
 JOHN E. PARSONS.
 WILLIAM I. PEAKE.
 ALFRED PELL.
 MISS FRANCES PELL.
 GIFFORD PINCHOT.
 JAMES W. PINCHOT.
 HENRY B. PLANT.
 JOHN PONDIR.
 HENRY A. V. POST.
 A. A. RAVEN.
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 J. W. REINHART.
 ROBERT G. REMSEN.
 AUGUSTE RICHARD.
 GEORGE RICHARDS.
 CHANDLER ROBBINS.
 ARCHIBALD ROGERS.
 SAMUEL B. SCHIEFFELIN.
 JACOB H. SCHIFF.
 CHAS. H. SCHULTZ.
 WM. F. SEBERT.
 JAS. O. SHELDON.
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 JOHN H. SHERWOOD.
 I. H. SHOENBERGER.*
 S. N. SOLOMON.
 HENRY MILFORD SMITH.
 L. DINWIDDIE SMITH.
 HENRY F. SPAULDING.
 LOUIS STERN.
 ALEX. H. STEVENS.
 C. AMORY STEVENS.
 ANSON PHELPS STOKES.
 MISS OLIVIA E. P. STOKES.
 ISIDOR STRAUS.
 THOMAS W. STRONG.*
 HENRY M. TABER.
 JAMES TERRY.

SAMUEL THOMAS.
 FRED. F. THOMPSON.
 SAMUEL THORNE.
 A. N. TOWNE.
 EFFINGHAM TOWNSEND.
 SPENCER TRASK.
 EDWARD TUCK.
 EDWARD UHL.
 H. D. VAN NOSTRAND.
 HERMAN C. VON POST.
 DR. HENRY F. WALKER.
 BENJAMIN WELLES.

FREDERICK B. WENDT.
 LOOMIS L. WHITE.
 ED. KIRK WILLARD.
 S. C. WILLIAMS.*
 JOHN T. WILLETS.
 ROBERT R. WILLETS.
 HON. BENJAMIN A. WILLIS.
 EDWARD WINSLOW.
 JOHN WOLFE.
 HENRY H. WOTHERSPOON.
 JOHN H. WYMAN.
 MRS. JOHN J. WYSONG.

Honorary Life Members,

GEORGE H. BROWN.
 W. W. COLE.

PROF. JAMES DOUGLAS.
 MRS. FLORENCE HOWLAND.

HOFRATH A. B. MEYER.

* Deceased.

ANNUAL MEMBERS.

By the Payment of Ten Dollars Yearly.

Abegg, Henry	Aronson, Rudolph	Beers, M. H.
Abbott, Frank, M.D.	Auchincloss, Mrs. E.	Bell, Hon. Isaac
Agnew, Hon. John T.	Austin, William	Benedict, James H.
Aitken, John W.	Aufhauser, Samuel	Bend, George H.
Aldrich, Mrs. H. D.	Babcock, Samuel D.	Benjamin, John
Alexander, Henry M.	Baldwin, C. C.	Bentley, Charles E.
Alexander, Jas. W.	Baldwin, J. G., M.D.	Bentley, Norman S.
Alexander, John F.	Baldwin, O. D.	Berdell, Theodore
Allen, Calvin H.	Baldwin, W. D.	Berg, H. E.
Amend, Bernard G.	Baldwin, William	Bernheimer, Adolph
Amsinck, Gustave	Ballin, Gustav	Bernheimer, Charles L.
Amy, H.	Bangs, L. Bolton, M.D.	Bernheimer, Simon
Anderson, E. Ellery	Banta, C. V.	Berrian, Charles M.
Anderson, Henry H.	Banyer, Goldsborough	Bianchi, F.
Andreini, J. M.	Barnes, E. W.	Bien, Julius
Appleton, Daniel	Barnes, John S.	Bissinger, Philip
Appleton, W. W.	Barnes, Theo. M.	Blagden, George
Appleton, Wm. H.	Barney, Chas. T.	Blakeman, Birdseye
Archbold, John D.	Bawden, Wm.	Blanchard, G. R.
Armour, H. O.	Beckel, Joseph	Bliss, George T.
Arnold, E. S. F., M.D.	Beekman, Gerard	Bliss, George T.
Arnold, Hon. John H. V.	Beer, Julius	Bloodgood, John H.
Arnoux, William H.		Blumenthal, Aug.

- Bogert, Albert G.
 Bogert, Henry A.
 Bogert, Stephen G.
 Bond, Frank S.
 Bonn, William B.
 Booss, Frederick
 Borg, Simon
 Boskowitz, I.
 Bowdoin, G. S.
 Bradley, S. R.
 Bradley, William H.
 Breslin, James H.
 Bristol, John I. D.
 Bristow, Hon. B. H.
 Brockway, A. N., M.D.
 Brookfield, Wm.
 Brown, J. Crosby
 Brown, Vernon H.
 Bruce, Col. S. D.
 Bryce, William
 Buckham, George
 Burden, Henry, 2d
 Burden, James A.
 Butler, Charles
 Butler, Prescott Hall
 Butler, Wm. Allen

 Cahn, Leopold
 Caldwell, Charles H.
 Calman, Emil
 Cameron, Edward M.
 Cammann, H. H.
 Camp, Hugh N.
 Camp, W. A.
 Cannon, H. W.
 Cassard, William J.
 Cheever, John H.
 Chesebrough, Robert A.
 Chittenden, J.
 Church, E. Dwight
 Cisco, John J.
 Clark, Bernard S.
 Clark, Cyrus
 Clark, George C.
 Clarke, Charles C.
 Clarke, Charles S.

 Clarkson, Frederick
 Cochrane, John W.
 Coffin, Chas. H.
 Coffin, Edmund
 Coffin, William Edward
 Coggeshall, Edwin W.
 Cohen, Samuel M.
 Colgate, Abner W.
 Colgate, R. R.
 Colgate, Samuel
 Collins, Miss Ellen
 Collins, Miss M. M.
 Compton, A. T.
 Conger, Henry C.
 Conkling, Rev. Dr. N.W.
 Conover, Alonzo E.
 Constable, Frederick A.
 Constantine, A. J.
 Contoit, Chas. H.
 Cooper, John
 Cornell, R. R.
 Cory, Mrs. S. M.
 Coster, C. H.
 Cotheal, Alex. I.
 Cox, Allyn
 Cranitch, William I. A.
 Crawford, R. L.
 Crimmins, John D.
 Crocker, George Aug.
 Cross, Richard J.
 Cruger, S. V. R.
 Cummings, Richard
 Curtiss, Frank
 Cutting, Robt. Fulton
 Cutting, W. Bayard

 Daly, Hon. Chas. P.
 Davies, William G.
 Davison, C. A.
 Day, Edward G., M.D.
 Day, Henry M.
 Day, Rev. Henry S.
 Decker, Joseph S.
 Deeves, Richard
 de Forest, Robert W.
 de Rham, Charles

 DeCoppet, Henry
 DeKlyn, B. F.
 De Ruyter, John
 De Vinne, Theo. L.
 De Witt, George G.
 Delafield, Maturin L.
 Detwiller, Jacob J.
 Dewitt, William G.
 Dickie, E. P.
 Dickey, Charles D.
 Dickey, Mrs. Hugh T.
 Dieterich, Chas. F.
 Ditmars, Raymond L.
 Dimock, Henry F.
 Dix, Rev. Morgan, D.D.
 Dodge, Cleveland H.
 Dodge, George E.
 Dodge, Miss Grace H.
 Dodge, Mrs. Wm. E.
 Doelger, Peter
 Dommerich, L. F.
 Doudge, James R.
 Dougherty, A.
 Doughty, Mrs. Alla
 Dowd, Hon. Wm.
 Dowd, Prof. Daniel L.
 Drake, John J.
 Drakenfeld, B. F.
 Draper, Dr. Wm. H.
 Draper, Frank E.
 Du Bois, Dr. Matthew B.
 Du Bois, Miss Katharine
 Du Bois, William A.
 Duncan, John P.
 Dunham, G. H.
 Dunlap, Robert
 Dyett, A. R.

 Earle, Wm. P.
 Ehret, George
 Eimer, August
 Einstein, David L.
 Elder, Mrs. M. A.
 Elkins, Stephen B.
 Elliot, Edward
 Ellis, John W.

- Ely, Richard S.
 Eno, Amos F.
 Ettlinger, Louis
 Evans, William T.
 Ewart, James M.

 Fahnestock, H. C.
 Fargo, James C.
 Farnham, Mrs. Horace P.
 Fellows, C. H.
 Fellows, William Gordon
 Ferris, Frank A.
 Fleet, Oliver S.
 Fletcher, Andrew
 Flint, Miss Helena
 Flower, A. R.
 Floyd, James R.
 Foote, C. B.
 Foote, Dr. E. B., Jr.
 Ford, James B.
 Ford, John R.
 Fosdick, Chas. B.
 Foster, Scott
 Frankenberg, D.
 Fraser, Alfred
 Fraser, George S.
 Freeborn, G. C., M.D.
 French, S. A.
 Frissell, A. S.
 Froeschler, A. F.

 Gade, Henry
 Garland, James A.
 Gautier, J. H.
 Georger, Louis F.
 Gibb, John
 Gilberg, Charles A.
 Gillis, Chas. J.
 Goddard, F. N.
 Godfrey, Chas. H.
 Godkin, Edwin L.
 Goelet, Ogden
 Goldenberg, Simon
 Goodridge, Frederick
 Gordon, George
 Gossler, G. H.

 Gotthold, Fred.
 Grace, Hon. Wm. R.
 Gracie, J. K.
 Graham, Malcolm
 Greacen, Thomas E.
 Greenwood, Isaac J.
 Gregory, Chas. E.
 Griswold, Chester
 Guggenheimer, Randolph
 Gulliver, William C.
 Gunther, F. Frederick
 Gurnee, W. S.

 Haber, Louis I.
 Hague, James D.
 Hahlo, Hermann
 Hall, Fred. J.
 Hall, Mrs. John H.
 Halls, William, Jr.
 Halsted, Miss L. P.
 Hamilton, John L.
 Hamilton, Edmond H.
 Hammond, E. A.
 Harbeck, Mrs. Eliza D.
 Hardt, William A.
 Harris, Robert
 Hart, Mrs. A. B.
 Hartley, Marcellus
 Haskins, C. W.
 Havemeyer, J. C.
 Haviland, Edwin
 Hawley, Edwin
 Hawley, Henry E.
 Hayden, Brace
 Haynes, A. E.
 Haxtun, William
 Hendricks, Edmund
 Heroy, Mrs. James H.
 Higgins, Francis
 Higgins, Mrs. Barton B.
 Hill, Geo. H. B.
 Hill, Sylvester C.
 Hillhouse, Hon. Thos.
 Hilyard, George D.
 Hinman, W. K.
 Hinrichs, Chas. F. A.

 Hinton, J. H., M.D.
 Hoadley, Mrs. Russell H.
 Hodgman, Geo. F.
 Hoe, Peter S.
 Hoffman, Rev. E. A., D.D.
 Hogg, T. Egerton
 Holden, E. R.
 Holly, Henry H.
 Holt, Charles L.
 Holt, Henry
 Holt, R. S.
 Homans, E. C.
 Hone, Robert S.
 Horton, Burrett W.
 Houghton, Rev. G. H.
 Hoyt, Reuben
 Hubbard, Gen. T. H.
 Hunter, Mrs. M. L.
 Huntington, G. S., M.D.
 Hüpfel J. Chr. G.
 Hyatt, A. M.

 Inman, John H.
 Inslee, Samuel
 Ireland, John B.
 Iselin, Adrian, Jr.
 Iselin, C. Oliver
 Iselin, Mrs. Adrian
 Iselin, Wm. E.

 Jackson, Charles A.
 Jackson, Geo. T., M.D.
 Jackson, John B.
 Jackson, Wm. H.
 Jackson, Wm. H., M.D.
 Jacobus, John S.
 Jaques, David R.
 Jaeger, Francis M.
 Jaffray, Robert
 Jaques, George B.
 Jenkins, Wm. L.
 Jeremiah, Mrs. H.
 Jesup, Jas. R., Jr.
 Jones, Walter M.
 Johnston, Rossiter
 Juilliard, A. D.

Kaskel, Albert
 Kellogg, L. Lafin
 Kellogg, Mrs. Chas.
 Kelly, Eugene
 Kemp, Edward
 Kendall, Edward H.
 Kennedy, John S.
 Keppel, Frederick
 Kerbs, Adolf
 Kerner, Charles H.
 Kerwin, Andrew J.
 Ketcham, E.
 Ketchum, A. P.
 Kevan, William
 King, William F.
 Kingman, Abel Willard
 Kinnicutt, Dr. F. P.
 Kissam, Philip
 Klenke, William H.
 Knapp, H., M.D.
 Knickerbacker, H.
 Kohns, L.
 Kraus, Prof. John
 Kraus, William
 Kuttroff, Adolph

Laidlaw, Henry B.
 Lamborn, R. H., Ph.D.
 Langdon, Woodbury G.
 Lange, Dr. F.
 Lange, J. D.
 Langmann, G., M.D.
 Lapham, S. V.
 Lapham, Lewis H.
 Lathers, Richard
 Lawrence, Cyrus J.
 Lawrence, George N.
 Lawrence, Mrs. Samuel
 Layng, James D.
 Leale, Charles A., M.D.
 Leavitt, Henry S.
 Lee, William H.
 Lefferts, Frederick R.
 Lehman, E.
 Lehman, M.
 Lehmann, Frederick L.

Leshner, Stephen R.
 Lewis, James F.
 Lewis, Richard V.
 Liautard, A., M.D.V.S
 Lichtenstadter, Samuel
 Lipman, Julius
 Livingston, Edward
 Livingston, Wm. S.
 Lobenstine, W. C.
 Lockhart, Robert
 Loeb, S.
 Lorbacher, Edmund
 Lord, Benjamin
 Lord, D. D.
 Lounsbery, R. P.
 Lovell, John W.
 Low, C. Adolphe
 Low, Josiah O.
 Lowry, John
 Ludington, C. H.
 Lueder, A.
 Lummis, Wm.
 Lusk, William T., M.D

Macdonald, Charles
 Mack, J. W.
 Mackenzie, Duncan E.
 Mackey, Oscar T.
 Macy, I. Augustus
 Maillard, Henry
 Maitland, Robert L.
 Mali, Charles
 Mansfield, Howard
 Manwaring, David W.
 Markoe, Dr. Thos. M.
 Martin, Bradley
 McAlpin, D. H.
 McComb, J. Jennings
 McCready, Mrs. Caroline A.
 McCurdy, Richard A.
 McDonald, John E.
 McIntyre, Ewen
 McKee, Russell W.
 McKibbin, George
 McKibbin, Gilbert H.
 McKim, Rev. Haslett, Jr.

Merrall, William J.
 Metcalfe, John T., M.D.
 Meyer, Oscar R.
 Meyer, Thomas C.
 Middleton, A. D.
 Miller, D. S.
 Milmine, George
 Mitchell, Alfred
 Mitchell, C. E.
 Mitchell, John J.
 Mitchill, Mrs. S. L.
 Moir, James
 Moller, Peter, Jr.
 Moore, Mrs. W. D.
 Moore, W. H. H.
 Morgan, George H.
 Morris, Henry Lewis
 Morrison, Edward
 Morrison, George A.
 Mowry, A. L.
 Munro, George
 Navarro, Juan N.
 Neumann, C. G.
 Newton, Henry J.
 Nisbet, William F.

O'Donohue, Joseph J.
 Ogilvie, James H.
 Olcott, F. P.
 Olmstead, Dwight H.
 Olyphant, R. M.
 Olyphant, Robert
 Oppenheimer, Dr. H. S.
 Owen, Mrs. Thomas J.
 Owens, Wm. W.
 Packard, S. S.
 Paddock, Eugene H.
 Palmer, N. F.
 Palmer, S. S.
 Park, Joseph
 Parsell, Henry V.
 Parsons, W. H.
 Patterson, Hon. Edward
 Peabody, Arthur J.

- Pell, John H.
 Pellew, Henry E.
 Penfold, Edmund
 Penfold, Wm. Hall
 Perry, William A.
 Peters, George A., M.D.
 Pettus, James T.
 Peyser, Frederick M.
 Phelps, William Walter
 Pinkus, F. S.
 Platt, John R.
 Plyer, Charles W.
 Pool, Frank J.
 Potter, Howard
 Powell, William R.
 Powell, Wilson M.
 Powers, George W.
 Pray, Joseph M.
 Purdy, Wm. Macneven
 Putnam, George L.
 Putnam, Samuel W.

 Quinlan, William J.

 Ranger, Louis
 Raymond, Charles H.
 Redding, Mrs. Josephine
 Remsen, William
 Renwick, Edward S.
 Rhineland, Chas. E.
 Rhoades, J. Harsen
 Richard, Auguste
 Riker, John L.
 Riker, Wm. J.
 Robbins, Rowland A.
 Robbins, S. Howland
 Roberts, Miss Mary M.
 Rogers, Henry H.
 Rolston, Rosewell G.
 Rothschild, Hugo
 Rothschild, J.
 Rothschild, V. Henry
 Rowell, George P.
 Rütten, August
 Rutter, Thomas

 Sage, Russell
 Saltonstall, Francis G.
 Saltus, J. Sanford
 Sampson, Henry
 Sands, Andrew H.
 Sankey, Ira D.
 Sayre, Lewis A., M.D.
 Schafer, Samuel N.
 Schafer, Simon
 Schefer, Carl
 Scheitlin, Edward
 Schley, Dr. J. M.
 Schmid, Mrs. August
 Scholle, Jacob
 Schultze, John S.
 Schuyler, Philip
 Schuyler, S. D.
 Scott, George S.
 Scudder, Hewlett
 Seabury, G. Thurston
 See, Mrs. Horace
 Seligman, David J.
 Seligman, Isaac N.
 Sellew, T. G.
 Sennett, George B.
 Sharp, W. W.
 Shaw, William H.
 Shea, George
 Sherman, Charles A.
 Shethar, Samuel
 Sidenberg, Gustavus
 Sill, Charles
 Sinclair, John
 Skidmore, Mrs. Jos. R.
 Sloan, Samuel
 Sloan, William S.
 Smith, Adon
 Smith, Charles S.
 Smith, Geo. W.
 Smith, James Rufus
 Smith, John Jewell
 Smith, Rev. Cornelius B.
 Smith, William Alex.
 Snow, Elbridge G., Jr.
 Spencer, Charles H.
 Spencer, Hon. James C.

 Starin, John H.
 Stearns, John Noble
 Stebbins, Jas. H.
 Stechert, Gustav E.
 Steers, Edward P.
 Steers, Henry
 Stephens, Benjamin
 Stern, Benjamin
 Sterry, Geo. E.
 Stewart, Lispenard
 Stewart, William R.
 Stiehl, Gustav H.
 St. John, William P.
 Stone, Edwin
 Stone, Mason A.
 Stone, Mrs. Catherine C.
 Stone, Mrs. Georgiana C.
 Stone, Sumner R.
 Storm, Clarence
 Storm, George
 Strong, Charles E.
 Strong, W. L.
 Sutherland, John
 Sutherland, John L.
 Sutton, Woodruff

 Tailer, Edward N.
 Taintor, C. M.
 Taintor, Charles N.
 Talcott, James
 Talmadge, Henry
 Taylor, Mrs. Aug. C.
 Taylor, George
 Taylor, Mrs. Sarah
 Taylor, Stevenson
 Tefft, F. Griswold
 Tefft, Wm. E.
 Terbell, H. S.
 Thomas, T. G., M.D.
 Thompson, John C.
 Thompson, W. Prall
 Thomson, Eugene
 Thorne, Mrs. William K.
 Tiemann, Peter C.
 Tiffany, Louis C.
 Tilford, Charles E.

Tillinghast, W. H.	Voorhis, Wm. W. L.	White, Horace
Tonnelé, John L.		Whitehead, Charles E.
Toothé, William	Wales, Salem H.	Whitely, James
Toucey, J. M.	Walker, William I.	Whitney, Alfred R.
Townsend, R. W.	Wallace, James	Wicke, William
Tracy, J. Evarts	Wallace, Lewis	Wickes, Edward A.
Trevor, H. G.	Wallach, Antony	Wickham, Delos O.
Trevor, Mrs. John B.	Ward, Lebbeus B.	Wiebusch, Chas. F.
Turnure, Lawrence	Ward, Mrs. Thomas	Williams, George G.
Tuttle, Nathaniel	Warner, Lucien C.	Wilson, John
Twombly, H. McK.	Watson, Miss Emily A.	Wing, John D.
Twombly, Horatio N.	Watson, Walter	Witherbee, Frank S.
	Weatherbee, Mrs. E. H.	Wood, Mrs. George
Valentine, Mrs. Lawson	Webb, W. H.	Worthen, W. E.
Van Brunt, Cornelius	Weed, Benjamin	Wray, Mrs. Cornelia S.
Van Brunt, Hon. C. H.	Weekes, John A.	Wright, Benjamin
Van Norden, Warner	Weissman, L.	Wynkoop, Francis S.
Van Slyck, W. H.	Welch, Peter A.	
Van Wickle, A. S.	Wetmore, Dr. John McE	Youmans, Daniel D.
Van Winkle, Edgar B.	Wheelock, Dr. W. E.	
Van Winkle, Miss E. S.	Wheelock, Geo. G., M.D.	Zabriskie, Andrew C.
Vandervoort, W. L.	Wheelock, Wm. A.	Zickel, S.
Veit, Richard C.	Whipple, Leander E.	Zollikoffer, O. F.

DECEASED MEMBERS,

1893.

Allen, Chas. S., M.D.,	Day, Henry	Mehler, Eugene
Auchmuty, R. T.	DeForest, Chas. T.	Peters, Rev. T. M.
Bernheimer, Isaac	Dickey, Hugh T.	Russell, Henry E.
Burrill, John E.	Fish, Hon. Hamilton	Schell, Edward
Campbell, George W.	Halsted, Robert	Spicer, Elihu
Cauldwell, William A.	Hendricks, Joshua	Tucker, John C.
Combe, William	Hoffman, Paul	

In Memoriam.

During the past year the Trustees have been called to mourn the loss of two of their late associates on this Board,

BENJAMIN H. FIELD, CHARLES C. LANDON.

At the regular quarterly meeting of the Board of Trustees of the AMERICAN MUSEUM OF NATURAL HISTORY, held May 8th, 1893, the following minute was unanimously adopted and ordered to be entered upon the records :

Since their last regular meeting the Trustees have been called to mourn the decease of two of their valued and honored associates, Mr. BENJAMIN H. FIELD, who died March 17th, 1893, and Mr. CHARLES G. LANDON, whose decease followed on the 24th day of the same month.

Mr. FIELD became a Trustee of the Museum at the date of its incorporation, he having been a Charter Member. He took an active interest in the meetings of the Board, seldom failing to be present, and his cordial approval of the work of the Museum was shown by the frequent visits he made to its halls.

Mr. LANDON became a Trustee at the Annual Meeting in 1882, and was elected at that time a member of the Auditing Committee, and in the year 1886 was chosen a member of the Executive Committee ; and, with the exception of an interval of two years, served continuously on both committees with great acceptance and fidelity until his decease.

The Trustees desire to enter upon these minutes an expression of their high appreciation of the character and worth of their late colleagues ; of the earnest and untiring interest of each in the growth and prosperity of the Museum ; and of the personal esteem and affection in which the members of this Board will ever cherish the memory of their earnest coöperation in the development of this institution.

