B.O. 2660 dated 11th Oct/87

Communicated to the Supg: Engr: V. Circle for requisite action, with reference to para 2 of the Report.

(Sd) J. O.H.

Govt. of {1887} Madras.

REVENUE.

Issued

Recd. *Encl.*

G.O., 25th August 1887, No. 840.

Ro 2660 dated 11th Oct/87

AUGUST.

Government Central Museum.

Review of report on the — for 1886-87.

To The Supg: Engr: V. Circle.

With Orders

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following paper:—

From EDGAR THURSTON, Esq., Superintendent, Government Central Museum, to the Secretary to Government, Revenue Department, dated Madras, 9th July 1887, No. 562:—

ABSTRACT.—Submitting report of the Government Central Museum for the year 1886-87.

ENCLOSURES.

ADMINISTRATION REPORT OF THE GOVERNMENT CENTRAL MUSEUM FOR THE YEAR 1886-87.

VISITORS TO THE MUSEUM.—The usual statistical returns of the numbers of visitors to the Museum during the year are given in appendix B. The total number was 233,028 against 311,462 in 1885-86. The greatest number of visitors on any single day was 11,406 on January the 7th (*Thawathasee*) against 25,834 on the corresponding day in 1885, and the decrease was probably due to the effect of the catastrophe at the Madras Fair.

The percentage of female visitors was 37·9 against 42·95 in 1885-86, showing a decrease of 5·05 per cent., whereas the percentage of male visitors was 62·09 against 57·05 in 1885-86, showing an increase of 5·04 per cent.

The number of gosha visitors on the day set apart for them every month was 749 against 1,181 in 1885-86, being a decrease of 432.

2. BUILDINGS.—Some defects in the roof of the main hall were remedied by replastering and white-washing, and some minor repairs, which were rendered necessary by the removal of certain racks and fittings from the walls and pillars of the same hall, were also carried out. The walls of this hall were also white-washed throughout.

The floor of the sleeping quarters in the head taxidermist's house requires raising on account of their dampness during the monsoon, and the same quarters require retiling throughout in addition to a few minor repairs.

A *porte-cochére* still remains to be placed in front of the Superintendent's house.

The want of a water-pandal for the distribution of water and the sale of refreshments, by a Brahmin appointed for the purpose, to the numerous caste visitors to the Museum who frequently picnic in the grounds during the greater part of the day, is much felt, and an unused godown in the Museum compound could, at a trifling cost, be set apart for this purpose.

3. MUSEUM GROUNDS.—The experiment mentioned in my last annual report of planting the rain tree, *Pithecolobium saman*, by the side of the seedling mahogany trees has had a negative result so far, as there is no appreciable difference between the growth of the mahoganies so planted and of those planted under ordinary conditions. Some of the *Bixa orellana* trees flowered during the year, but set no fruit. The *Erythroxylon coca* plants are still growing, and some bore fruit. Several trees were blown down during the gale of November 9th, and among them a fine *Ravenala madagascariensis* which was planted in 1872. This was carefully propped up, but, after living for five months, suddenly collapsed.

The following fruit trees were planted and are all flourishing:—

Anona reticulata	Bullock's heart.	Citrus medica	Citron.
Do. muricata	Sour sop.	Do. bergamia	Lime.
Averrhoa bilimbi	Bilimbi.	Mangifera Indica	Mango.
Do. carambola ...	Carambola.	Eugenia jambos	Rose apple.
Citrus aurantium	Orange.	Punica granatum	Pomegranate.
Do. do.	Sweet orange.	Artocarpus integrifolia ..	Jack.
Do. decumana	Pompelmoes.	Do. incisa	Bread-fruit.

4. The artist was occupied during the greater part of the year in making copies or original drawings and paintings of fishes, Crustacea, &c., which have been framed and placed in the "Fish gallery." He also accompanied me on my tour to Rámesvaram Island, and made pictures of various marine animals in their fresh condition before their colors faded.

Towards the end of the year a draughtsman was engaged from the School of Arts, in order to make drawings of some of the coins in the Museum collection. His drawings of the coins of Mysore were lithographed by Mr. A. Barren.

5. Catalogues.—At the end of the year a catalogue of the coinage of Mysore was in the press, as also was a report of my tour to Rámesvaram Island, which will be issued as the first of a series of Museum Notes.

Provisional manuscript catalogues were prepared of the Parthian, Indo-Portuguese and Indo-French coins, and also of the coins of Ceylon, the East India Company, and the Patan Sultans of Delhi in the Museum collection.

6. Establishment.—The proposals made in my letter to Government (No. 194, dated 3rd March 1886) were acceded to in G.O., No. 293, dated 21st April 1886, and the following increases of salary sanctioned:—

Assistant Librarian	from Rs.	10 to 12	per mensem.
Second Humal	from ,,	11 to 12	,,
Third Taxidermist	from ,,	14 to 17	,,

7. Ethnology and Antiquities.—The donations to these departments included an ancient pot found in the ruins of Yellama's temple at Penukonda, Anantapur, presented by Sir M. E. Grant Duff, and impressions of seals and copies of copper grants presented by the Collectors of Coimbatore and South Arcot. To the Archæological Survey the Museum is indebted for a number of sculptures from Magala, Hadagalli, Hira Hadagalli, Bibdrahalla and Vijayanagar, and also some ancient stone images from Erukampet, and fragments of ancient pots and sarcophagi excavated from the side of a hill at Pallávaram. Similar specimens from the same locality were presented to the Museum by F. N. Thorowgood, Esq., Superintendent of the Harbour Works, who first drew attention to the discovery of these ancient relics.

8. Indo-Colonial Exhibition.—Towards the end of the year a number of articles which were sent by the Madras Government to the London Indo-Colonial Exhibition, 1886, and reserved for the Government Central Museum, arrived, and will eventually be placed in the art gallery which it is proposed to arrange. These articles, of which a complete list is given in the appendix, consist mainly of gold and silver jewelry, articles in brass and copper, musical instruments and various fabrics.

9. Geology and Mineralogy.—The geological and mineralogical collections were transferred to the old bird and mammalian gallery, and their place taken by the birds and eggs, and mammalia.

A small collection of geological and mineralogical specimens was lent to the Agricultural College, Saidápet, for lecture purposes.

10. Herbarium.—The following is a summary of the work done by the Herbarium-keeper during the year:—

Arranged according to Hooker's Synopsis Filicum 61 genera and 437 species of Filices.
Arranged according to Thwaite's Enumeratio 61 species of the genus Ficus.
Arranged according to Hooker's Flora of British India 36 genera and 136 species of the natural orders Chenopodiaceæ to Laurinæ.
Arranged according to Steudel's Synopsis Plantarum Cyperacearum 21 genera and 185 species of Sedges.
Arranged according to Steudel's Synopsis Plantarum Graminearum 91 genera and 361 species of grasses.

The Herbarium-keeper was also engaged in making a collection of raw products (*vide* paragraph 14).

The Herbarium received a valuable addition to its contents by the donation by Dr. G. King, Superintendent of the Botanical Gardens, Calcutta, of 98 specimens of the genus Ficus.

11. Library.—The total number of visitors to the library was 6,208 against 5,563 in 1885-86, being an increase of 645.

The following list shows the nature and number of the books consulted during the year:—

Class of Books.	No. consulted.
Architecture and Engineering	6
Astronomy and Meteorology	13
Botany, Agriculture and Forestry	22
Chemistry	13
Comparative Anatomy and Physiology	30
District Manuals, and Administration and other Reports	10
Educational	5
Encyclopædias, Dictionaries, &c.	35
English Literature	39

Class of Books.	No. consulted.
Ethnology and Antiquities	19
Geography and Topography	6
Geology and Mineralogy	7
History and Biography	23
Journals and Transactions of Societies	4
Law and Political Economy	9
Mathematics	5
Medicine and Hygiene	15
Microscopic Science	2
Miscellaneous	14
Oriental Languages and Literature	31
Photography	8
Physical Science	15
Psychology	10
Religion and Theology	7
Travels	16
Zoology	12
Total	376

The following is a summary of the additions to the library during the year (*vide* appendix):—

	NO.
Presented by Government	138
Presented by private individuals	61
Purchased	94
British Museum publications	10
Patent Office papers	116
Trübner's Oriental series	4
Books for Fish Library	5
Periodicals	349
Records and other publications	29
Parliamentary Blue books	29
Total	835

The number of books bound during the year was 146.

12. Natural History—(1) *Invertebrata.*—Many marine species were obtained locally or during my tours along the coast, but had not been placed in the Museum at the end of the year owing to the want of bottles which had been indented for, but had not arrived.

The following miscellaneous "spirit specimens" were, however, placed in the fish gallery, the re-arrangement of which was nearly completed during the year:—

Porifera.

Spongilla sp. (Fresh-water sponge). From the Spur Tank, Madras.

Cœlenterata.

Pennatula sp.

Echinodermata.

Holothuria sp. (Trepang).
Colochirus quadrilaterus.
Synapta sp.

Vermes.

Bipalium univittatum. From the Agri-Horticultural Gardens.

Crustacea.

Gonodactylus chiragra.
Squilla scorpio.
Do. nepa.
Do. sp. alima larva.
Hippa asiatica.
Neptunus sanguinolentus.
Charybdis crucifera.
Chelonobia testudinaria.

Insecta.

Queen White Ant.

Tunicata.

Ascidia sp.

The following shells of marine, land, and fresh-water Mollusca from various parts of the Presidency were displayed in cases made for them :—

Hyalœa tridentata ...	Pámban.
Ianthina africana	Madras.
Do. fragilis	Ennore.
Do. globosa	Madras.
Do. iricolor	Do.
Murex anguliferus ..	Do.
Do. haustellum... ...	Pámban.
Do. tenuispinia ...	Madras.
Do. tribulus	Vizagapatam.
Fusus colus	Pámban.
Pyrula bulbosa	Madras.
Do. cochlidium	Vizagapatam.
Do. pugilina	Negapatam.
Do. spirillus	Vizagapatam.
Pleurotoma crenularis ...	Tranquebar.
Do. javana ...	Vizagapatam.
Do. marmorata ...	Negapatam.
Do. nodifera ...	Madras.
Do. violacea ...	Vizagapatam.
Triton chlorostoma ...	Madras.
Do. cingulatus	Do.
Do. decipiens	Do.
Buccinum obsoletum ...	Do.
Do. tranquebaricum.	Do.
Nassa callospira	Pámban.
Do. collaria	Madras.
Do. canaliculata ...	Vizagapatam.
Do. coromandel ...	Pulicat.
Do. crenulata	Madras.
Do. ornata	Negapatam.
Do. suturalis	Madras.
Do. unicolorata	Do.
Eburna spirata	Do.
Do. zeylanica	Do.
Purpura bufo	Vizagapatam.
Do. carinifera ...	Negapatam.
Do. hippocastanum ...	Vizagapatam.
Do. persica	Do.
Do. sacellum	Madras.
Ricinula tuberculata ...	Vizagapatam.
Oliva candida	Pondicherry.
Do. cinnamonea	Cape Comorin.
Do. gibbosa	Madras.
Do. ispidula	Do.
Do. macleayi	Do.
Do. oriola	Pondicherry.
Turbinella rapa	Pámban.
Cymbium indicum ...	Do.
Mitra cinctella	Madras.
Do. inquinata	Do.
Harpa ventricosa	Do.
Cassis areola	Páumban.
Do. canaliculata ...	Do.
Dolium fasciatum	Do.
Do. maculatum ...	Do.
Do. olearium	Do.
Ficula dussumieri	Do.
Do. reticulata	Do.
Natica glauca	Madras.
Do. lineata	Do.
Do. mamilla	Do.
Do. melanostoma ...	Do.
Do. tincturata	Do.
Sigaretus neritoideus ...	Do.
Terebra myuros	Pulicat.
Do. tigrina	Madras.
Do. traillü	Vizagapatam.

Solarium lævigatum ...	Madras.
Do. perspectivum ...	Do.
Do. stramineum ...	Do.
Conus amadis	Pámban.
Do. figulinus	Madras.
Do. marmoreus	Pámban.
Do. punctatus	Do.
Strombus canarium ...	Do.
Pterocera aurantia ...	Do.
Do. lambis	Do.
Do. scorpius	Do.
Cypræa arabica	Madras Harbour.
Do. asellus	Cochin.
Do. caput serpentis ...	Cape Comorin.
Do. felina	Madras.
Do. interrupta ...	Do.
Do. lynx	Pámban.
Do. nirundo	Madras.
Do. mauritiana ...	Do.
Do. ocellata	Quilon.
Do. tigris	Pámban.
Ovulum birostre	Do.
Do. volva	Do.
Cerithum morus ...	Vizagapatam.
Do. vulgatum ...	Do.
Do. microptera ...	Madras.
Do. breviculum ...	Vizagapatam.
Telescopium fuscum ...	Cochin.
Do. sp.	Do.
Melania collistricta ...	Madras.
Do. tuberculata ...	Do.
Pirena atra	Vizagapatam.
Littorina cingulifera ...	Madras.
Do. malaccana ...	Do.
Do. rugosa	Do.
Do. undulata	Do.
Paludina melanostoma ...	Do.
Paludomus tanjorica ...	Courtaliar River.
Bithynia marginata ...	Madras.
Do. pulchella	Do.
Ampullaria carinata ...	Red Hill Tank.
Do. glauca	Madras.
Do. globosa ...	Red Hill Tank.
Turritella attenuata ...	Madras.
Do. columnaris ...	Do.
Do. duplicata ...	Do.
Siliquaria anguina ...	Pámban.
Crucibulum extinctorum ...	Cochin.
Crepidula walshii	Pámban.
Nerita albicilla	Do.
Do. costata	Vizagapatam.
Do. plicata	Quilon.
Do. rumphii	Pámban.
Do. semirugosa ...	Vizagapatam.
Neritina meleagris ...	Madras.
Do. mertonia ...	Pulicat.
Do. perrotetiana ...	Do.
Phasianella lineolata ...	Pámban.
Turbo sp. (operculum)	
Rotella suturalis	Pulicat.
Do. vestiaria	Do.
Delphinula distorta ...	Pámban.
Trochus niloticus	Do.
Do. umbilicatus ...	Pámban.
Do. vividus	Quilon.
Do. sp. (operculum) ...	Cape Comorin.
Haliotis semistriata ...	Pámban.

Dentalium octogonum ...	Cochin.
Patella luzonica	Madras.
Do. rudis	Do.
Do. variegata	Do.
Do. limbata	Do.
Do. variabilis	Do.
Bulla ampulla	Pámban.
Do. cymbalum	Vizagapatam.
Do. fasciata	Negapatam.
Do. glabra	Adyar.
Aplysia leporina	Pulicat.
Helix cacuminifera ...	Nílgiris.
Do. albata	Tinnevelly.
Do. ampulla	Manantoddy.
Do. basileus	Anaimalais.
Do. bistrialis	Madras.
Do. cysis	Nílgiris.
Do. fallaciosa	Madras.
Do. guerini	Nílgiris.
Do. layardi	Anaimalais.
Do. nicobarica	Nullamallays.
Do. nilagirica	Nílgiris.
Do. retifera	Do.
Do. semirugata	Madras.
Do. solata	Nílgiris.
Do. theodari	Tiruválúr.
Do. thyreus	Nílgiris.
Do. tranquebarica ...	Tranquebar.
Do. vitellina	Madras.
Streptaxis perroteti ...	Nílgiris.
Bulimus jerdoni	The Deccan.
Do. malabaricus ...	Do.
Do. punctatus ...	Madras.
Oleacina tornensis ...	Do.
Limnæa acuminata ...	Sríperumbudur.
Planorbis coromandus ...	Madras.
Cyclotus filocinctus ...	Nílgiris.
Pterocyclos bilabiatus ...	Salem.
Cyclophorus cuspidatus ...	Nílgiris.
Do. stenostomus ...	Do.
Cyathopoma selicinctum ...	Madura.
Cataulus recurvatus ...	Anaimalais.
Pholas bakeri	Madras.
Teredo corniformis ...	Pámban.

Solen vagina	Ennore.
Machæra radiata	Madras.
Mactra attenuata	Do.
Do. symmetrica ...	Do.
Soletellina diphos	Do.
Tellina blainvillei	Pulicat.
Donax cuneata	Madras.
Do. deltoides	Do.
Do. scortum	Ennore.
Do. pristis	Pondicherry.
Venus lamarckii	Pámban.
Do. reticulata	Do.
Do. scabra	Madras.
Cytherea ovum	Do.
Dione erycina	Pámban.
Do. festiva	Do.
Meroe hians	Madras.
Do. picta	Do.
Do. solandri	Do.
Do. truncata	Do.
Circe scripta	Pámban.
Tapes bruguieri	Vizagapatam.
Do. malabarica	Cochin.
Do. pinguis	Sadras.
Do. rotundata	Pámban.
Venerupis sp.	Cape Comorin.
Cardita antiquata	Ennore.
Unio marginalis	Madras.
Do. wynegungaensis ...	Do.
Mytilus latus	Do.
Do. smaragdinus ...	Sonnapur River.
Avicula fucata	Tuticorin.
Do. do. young ...	Do.
Do. do. pearls from.	Do.
Do. do. young, attached to branches of Gorgonia	Do.
Pinna japonica	Cochin.
Arca granosa	Madras.
Do. velata	Ennore.
Pecten flabelliformis ...	Madras.
Do. senatorius	Pámban.
Do. tranquebaricus ...	Madras.
Placuna placenta	Do.

The following is a list of the "spirit specimens" of fishes which were arrranged on the new shelves in the fish gallery :—

ELASMOBRANCHII.

A. SELACHOIDEI—SHARKS.

Family Carchariidæ.

Carcharias melanopterus ...	Madras.
Do. sp. ...	Quilon.

Family Scylliidæ.

Stegostoma tigrinum ...	Madras.

B. BATOIDEI—RAYS.

Family Torpedinidæ.

Narcine timlei	Quilon.
Do.	Madras.

TELEOSTEI.

Family Percidæ.

Lates calcarifer	Pámban.
Serranus hexagonatus ...	Do.
Do. lanceolatus ...	Madras.
Do. salmoides ...	Pámban.
Do. diacanthus ...	Do.
Lutianus erythropterus ...	Madras.
Do. quinquelineatus...	Cochin.
Lutianus fulviflamma ...	Pámban.
Do. johnii	Cochin.
Do. decussatus ...	Pámban.
Do. sp.	Do.
Therapon jarbua	Cochin.
Diagramma crassispinum ...	Pámban.
Do. griseus ...	Cochin.
Lobotes surinamensis ...	Do.
Gerres filamentosus ...	Do.
Do. oyena	Quilon.
Do. do.	Pámban.
Scolopsis vosmeri	Do.
Do. do. ...	Madras.
Apogon kalosoma ...	Pámban.
Do. nigripennis ...	Madras.
Cheilodipterus quinquelineatus	Pámban.

Family Squamipinnes.

Chætodon collaris ...	Pámban.
Do. auriga	Do.
Do. sp.	Do.
Drepane punctata	Quilon

Family Mullidæ.

Upeneus indicus ... ... Pámban.
Do. do. ... ... Cochin.
Do. sp. ... ... Do.
Upeneoides tragula ... Pámban.

Family Sparidæ.

Pagrus spinifer ... ... Gopálpur.
Pimelepterus cinerascens ... Pámban.

Family Scorpænidæ.

Scorpæna sp. ... ... Madras.
Pterois miles ... ... Pámban.
Apistus carinatus ... ... Madras.

Family Teuthidæ.

Teuthis oramin ... ... Pámban.

Family Berycidæ.

Holocentrum rubrum ... Pámban.

Family Kurtidæ.

Pempheris molucca ... Madras.
Do. mangula ... Do.

Family Sciænidæ.

Sciæna maculata ... ... Cochin.

Family Acronuridæ.

Acanthurus mata ... ... Quilon.
Do. do. ... Pámban.
Do. triostegus ... Madras.

Family Carangidæ.

Caranx leptolepis ... ... Quilon.
Chorinemus lysan ... ... Cochin.
Platax teira ... ... Pámban.
Equula ruconius ... ... Cochin.
Do. edentula ... ... Do.
Do. insidiatrix... ... Quilon.
Lactarius delicatulus ... Pámban.

Family Scombridæ.

Scomber microlepidotus ... Cochin.
Cybium guttatum ... Quilon.
Echeneis remora ... ... Madras.
Do. naucrates ... ... Pámban.
Do. do. head, showing sucking disc. Do.

Family Trachinidæ.

Sillago sihama ... ... Cochin.

Family Pediculati.

Antennarius nummifer ... Pulicat.

Family Cottidæ.

Platycephalus insidiator ... Quilon.

Family Gobiidæ.

Gobius giurus ... ... Trichur.
Do. biocellatus ... ... Cochin.
Boleophthalmus sp. ... Pámban.
Callionymus lineolatus ... Madras.
Gobioides sp. ... ... Pámban.

Family Blenniidæ.

Salarias frenatus ... ... Quilon.
Do. sp. ... ... Do.

Family Mastacembelidæ.

Mastacembelus armatus ... Trichur.
Do. pancalus ... Do.

Family Mugilidæ.

Mugil cunnesius ... ... Cochin.
Do. poicilus ... ... Do.

Family Ophiocephalidæ.

Ophiocephalus striatus ... Cochin.
Do. punctatus ... Trichur.

Family Labyrinthici.

Anabas scandens ... ... Madras.

Family Pomacentridæ.

Amphiprion sebæ ... ... Pámban.
Glyphidodon cælestinus ... Do.
Do. notatus ... Do.

Family Labridæ.

Platyglossus dussumieri ... Quilon.
Do. do. ... Pámban.
Do. sp. ... Do.
Julis lunaris ... ... Covelong.
Hemigymnus sp. ... ... Pámban.
Pseudoscarus chrysopoma... Do.
Do. rivulatus ... Do.

Family Chromides.

Etroplus suratensis ... Trichur.

Family Pleuronectidæ.

Synaptura orientalis ... Quilon.
Do. cornuta ... Madras.
Cynoglossus sp. ... ... Cochin.
Do. sp. ... ... Quilon.
Plagusia marmorata ... Pámban.
Do. sp. ... ... Do.

Family Siluridæ.

Plotosus canius ... ... Cochin.
Chaca lophioides ... ... Do.
Macrones malabaricus ... Trichur.
Do. chryseus ... Do.
Do. cavasius ... Bhávani River.
Do. seenghala ... Do.
Arius subrostratus ... Quilon.
Do. thalassinus ... Do.

Family Scopelidæ.

Saurida tumbil ... .. Quilon.

Family Cyprinidæ.

Barbus chrysopoma ... Madras.
Do. denisonii ... Travancore.
Chela bacaila ... ... Madras.

Family Cyprinodontidæ.

Haplochilus rubrostigma ... Cochin.
Do. lineatus ... Do.

Family Scombresocidæ.

Belone annulata ... ... Quilon.
Hemiramphus cantori ... Cochin.
Do. xanthopterus. Do.

Family Clupiidæ.

Engraulis malabaricus ... Cochin.
Do. indicus ... ... Do.
Chatoessus nasus ... ... Do.
Clupea longiceps ... ... Quilon.
Do. do. ... ... Beypore.
Do. toli ... ... Cochin.
Do. sp. ... ... Do.
Dussumieria acuta ... ... Do.

Family Notopteridæ.

Notopterus kapirat ... Madras.

Family Murænidæ.

Anguilla bengalensis ... Madras.
Muræsox cinerascens ... Do.
Muræna undulata ... .. Do.
Do. tessellata ... ... Pámban.
Do. sp. ... ... Do.

Family Syngnathidæ.

Syngnathus serratus .. Pámban.

Family Scelerodermi.

Triacanthus brevirostris ... Cochin.
Do. strigilifer ... Pámban.
Anacanthus barbatus ... Cochin.
Balistes sp. ... ... Pámban.
Monacanthus sp. ... ... Do.
Ostracion cornutus ... Do.
Do. nasus ... ... Do.

Family Gymnodontes.

Tetrodon inermis ... Quilon.
Do. margaritatus ... Pámban.
Do. sp. ... ... Quilon.
Diodon hystrix ... ... Madras.

The following is a list of the stuffed fishes which were placed in the fish gallery :—

ELASMOBRANCHII.

A. Selachoidei—Sharks.

Family Carchariidæ.

Carcharias melanopterus ... Madras.
Galeocerdo rayneri ... Do.
Zygæna blochii ... ... Do.

B. Batoidei—Rays.

Family Pristidæ.

Pristis cuspidatus ... ... Madras.

Family Rhinobatidæ.

Rhinobatus granulatus ... Cochin.
Do. halavi ... Madras.

Family Myliobatidæ.

Myliobatis Nieuhofii ... Madras.

TELEOSTEI.

Family Percidæ.

Lutianus johnii ... ... Cochin.
Do. roseus ... ... Do.
Do. sp. ... ... Do.
Therapon jarbua ... ... Do.
Lobotes surinamensis ... Do.
Gerres filamentosus ... Do.

Family Squamipinnes.

Holocanthus annularis ... Madras.
Scatophagus argus ... Cochin.
Ephippus orbis ... ... Do.

Family Sparidæ.

Chrysophrys berda ... Cochin.

Family Sciænidæ.

Sciæna maculata ... ... Cochin.
Sciænoides sp ... ... Do.
Corvina carutta ... ... Do.

Family Scombridæ.

Thynnus thunnia ... ... Madras.

Family Cottidæ.

Platycephalus insidiator ... Cochin.

Family Mugilidæ.

Mugil poicilus ... ... Cochin.

Family Chromides.

Etroplus suratensis ... Cochin.

Family Pleuronectidæ.

Psettodes erumei ... ... Cochin.

Family Siluridæ.

Arius thalassinus ... ... Cochin.
Do. subrostratus ... ... Do.

Family Gymnodontes.

Tetrodon stellaris ... ... Madras.

The following Reptilia were stuffed during the year :—

Emys trijuga—Pond Tortoise. Varanus dracæna *
Emyda granosa, The Bungoma.

Hydrosaurus salvator, the ocellated water lizard. From the collection in the People's Park. The animal died as the result of perforation of the coats of its stomach by a twig, which it had swallowed.

The following list comprises the birds, obtained for the most part on the Shevaroys or locally in the Madras bazaars, which were stuffed during the year : —

Latin Name.	English Name.	Jerdon Number.	Latin Name.	English Name.	Jerdon Number.
Neophron perenopterus.	White scavenger vulture	6	Iora zeylanica	Black-headed green bulbul.	467
Astur palumbarius ..	Goshawk	21			
Micronisus badius ..	Shikra	23	Oriolus indicus ..	Black-naped Indian oriole.	471
Poliornis teesa	White-eyed buzzard ..	48			
Circus æruginosus ..	Marsh harrier	54	Copsychus saularis ..	Magpie-robin	475
Urrua bengalensis ..	Rock-horned owl ..	69	Kittacincla macroura ..	Shama	476
Athene brama	Spotted owlet	76	Thamnobia fulicata ..	Indian black robin ..	479
Merops viridis	Indian bee-eater ..	117	Pratincola caprata ..	White-winged black robin.	481
Coracias indica	Indian roller	123			
Alcedo bengalensis ..	Indian king-fisher ..	134	Motacilla maderaspatana.	Pied wagtail	589
Palæornis rosa	Rose-headed Parrakeet.	149			
Megalaima viridis ..	Small green barbet ..	194	Calobates sulphurea ..	Grey and yellow wagtail	592
Upupa nigripennis ..	Indian hoopoe ..	255	Corvus splendens ..	Common Indian crow ..	663
Lanius erythronotus ..	Rufous-backed shrike ..	257	Dendrocitta rufa ..	Common Indian magpie.	674
Lanius hardwickii, ..	Bay-backed shrike ..	260	Temenuchus pagodarum	Black-headed myna ..	687
Graucalus macei ..	Large cuckoo shrike ..	270	Do. malabaricus	Grey-headed myna ..	688
Pericrocotus flammeus ..	Orange minivet ..	272	Munia unduiata ..	Spotted munia	699
Dicrurus macrocercus ..	Common drongo shrike.	278	Alawda gulgula ..	Indian sky-lark ..	767
Chaptia ænea	Bronzed drongo ..	282	Palumbus elphinstonei .	Nilgiri wood-pigeon ..	787
Orocetes cinclorhynchus.	Blue-headed chat-thrush	353	Galloperdix spadiceus ..	Red spur-fowl	814
Geocichla cyanotus ..	White-winged ground thrush.	354	Ortygornis ponticeriana.	Grey partridge	822
			Turnix taigoor ..	Black breasted bustard quail.	832
Pomatorhinus horsfieldii	Southern scimitar babbler.	404			
			Ægialitis philippensis .	Indian ringed plover ..	849
Otocompsa jocosa ..	Red-whiskered bulbul.	460	Himantopus candidus ..	Stilt or long-legs ..	898
Pycnonotus hæmorhous.	Madras bulbul	462	Butorides javanica ..	Little green heron ..	931
Phyllornis jerdoni ..	Common green bulbul ..	463			

* This animal is, according to Kelaart (Prodr. Faun Ceyl., p. 147), called in Ceylon the *Goana*. In S. India it is popularly and wrongly called the *Iguana*.

The following eggs of Indian birds, for many of which the Museum is indebted to W. Mahon Daly, Esq., were mounted and placed in the Museum :—

Latin Name.	English Name.	Jerdon Number.	Latin Name.	English Name.	Jerdon Number.
Gyps bengalensis ..	Common white-backed or brown vulture ..	5	Acridotheres tristis ..	Common myna ..	684
Neophron percnopterus.	White scavenger vulture	6	Do. ginginianus ..	Bank myna	685
Aquila fulvescens ..	Tawny eagle	29	Do. fuscus ..	Brown myna	686
Haliætus fulviventer ..	Ring-tailed sea eagle..	42	Temenuchus pagodarum	Black-headed myna ..	687
Milvus govinda ..	Common Pariah kite ..	56	Temenuchus malabaricus	Grey-headed myna ..	688
Athene brama	Spotted owlet	76	Ploceus baya	Common weaver bird..	694
Hirundo domicola ..	Nilgiri house swallow.	83	Do. manyar ..	Striated weaver bird ..	695
Do. filifera ..	Wire-tailed swallow ..	84	Do. bengalensis ..	Black-throated weaver bird	696
Do. daurica ..	Red-rumped swallow ..	85	Munia malacca ..	Black-headed munia ..	697
Cotyle riparia	European sand-martin.	87	Do. rubronigra ..	Chestnut-bellied munia.	698
Do. concolor ..	Dusky crag-martin ..	90	Estrelda amandava ..	Red wax-bill	704
Caprimulgus asiaticus ..	Indian night-jar ..	112	Passer indicus	Indian house sparrow ..	706
Merops viridis	Indian bee-eater ..	117	Spizalauda deva ..	Small crested lark ..	765
Coracias indica	Indian roller	123	Alauda gulgula ..	Indian sky-lark ..	767
Halcyon fuscus	White-breasted kingfisher	129	Crocopus phœnicopterus	Bengal green-pigeon ..	772
Alcedo bengalensis ..	Indian king-fisher ..	134	Columba intermedia ..	Blue rock-pigeon ..	788
Ceryle rudis	Pied king-fisher ..	136	Turtur cambayensis ..	Little brown dove ..	794
Megalaima viridis ..	Small green barbet ..	194	Do. suratensis ..	Spotted dove	795
Eudynamys orientalis ..	Indian koel	214	Do. risoria	Common ring dove ..	796
Centropus rufipennis ..	Common coucal ..	217	Pavo cristatus	Pea-fowl	803
Leptocoma zeylanica ..	Amethyst-rumped honey-sucker ..	232	Gallus sonneratii ..	Grey jungle fowl ..	813
Lanius lahtora	Indian grey shrike ..	256	Galloperdix spadiceus..	Red spur-fowl	814
Do. erythronotus ..	Rufous-backed shrike ..	257	Francolinus vulgaris ..	Black partridge ..	818
Do. hardwickii ..	Bay-backed shrike ..	260	Caccabis chukor ..	Chukor partridge ..	820
Tephrodornis pondiceriana	Common wood shrike ..	265	Ortygornis ponticerianа	Grey partridge ..	822
Pericrocotus flammeus..	Orange minivet ..	272	Perdicula erythrorhyncha	Painted bush quail ..	828
Dicrurus macrocercus ..	Common drongo shrike.	278	Coturnix coromandelica	Black-breasted quail ..	830
Do. longicaudatus .	Long-tailed drongo ..	280	Eupoditis edwardsii ..	Indian bustard ..	836
Chaptia ænea	Bronzed drongo ..	282	Sypheotides auritus ..	Lesser florikin ..	839
Orocetes cinclorhynchus.	Blue-headed chat-thrush	353	Lobivanellus goensis ..	Red-wattled lapwing..	855
Geocichla cyanotus ..	White-winged ground-thrush	354	Sarciphorus bilobus ..	Yellow-wattled lapwing	856
Merula simillima ..	Nilgiri black-bird ..	360	Hoplopterus ventralis..	Spur winged lapwing ..	857
Pyctorhis sinensis ..	Yellow-eyed babbler ..	385	Grus antigone	Sarus crane	863
Dumetia hyperythra ..	Rufous-bellied babbler.	397	Rhynchæa bengalensis .	Painted snipe	873
Do. albogularis ..	White-throated wren-babbler	398	Metopidius Indicus ..	Bronze-winged jacana.	900
Trochalopteron cachinnans	Nilgiri laughing thrush	423	Hydrophasianus chirurgus	Pheasant-tailed jacana	901
Malacocercus griseus ..	White-headed babbler.	433	Porphyrio poliocephalus	Purple coot	902
Do. malabaricus ..	Jungle babbler ..	434	Fulica atra	Bald coot	903
Do. malcolmi.	Large grey babbler ..	436	Gallicrex cristatus ..	Water cock	904
Otocompsa jocosa ..	Red-whiskered bulbul.	460	Gallinula burnesii ..	Small water hen ..	906
Pycnonotus pygæus ..	Common Bengal bulbul	461	Herodias alba	Large egret	925
Do. hæmorhous ..	Madras bulbul	462	Do. egrettoides ..	Smaller egret	926
Iora zeylanica	Black-headed green bulbul	467	Buphus coromandus ..	The cattle egret ..	929
Copsychus saularis ..	Magpie robin	475	Ardea lencoptera ..	The pond heron ..	930
Pratincola atrata ..	Nilgiri black robin ..	482	Tantalus leucocephalus.	Pelican ibis	938
Cercomela fusca ..	Brown rock chat ..	494	Platalea leucorodia ..	Spoonbill	939
Orthotomus longicauda.	Indian tailor-bird ..	530	Anastomus oscitans ..	Shell ibis	940
Prinia socialis	Dark ashy wren warbler	534	Threskiornis melanocephalus	White ibis	941
Drymoipus inorratus ..	Common wren warbler	543	Podiceps philippensis ..	Little grebe	975
Zosterops palpebrosus ..	White-eyed tit ..	631	Sylochelidon caspius ..	Largest tern	982
Parus cinereus	Indian grey tit ..	645	Gelochelidon anglicus .	Gull-billed tern ..	983
Corvus culminatus ..	Indian corby	660	Hydrochelidon indica ..	Small marsh tern ..	984
Do. splendens ..	Common Indian crow..	663	Sterna seena ..	Large river tern ..	985
Dendrocitta rufa ..	Common Indian magpie	674	Sternula minuta ..	Little tern	988
			Thalasseus cristatus ..	Large sea tern ..	989
			Graculus carbo ..	Large cormorant ..	1005
			Do. sinensis ..	Lesser cormorant ..	1006
			Plotus melanogaster ..	Indian snake-bird ..	1008

The Museum is indebted to the President of the Municipality for the carcases of many animals which died during the year in the People's Park.

The following mammalia were stuffed or preserved in alcohol :—

Macacus radiatus	Madras monkey.
Portax pictus	Nilgai.
Rusa aristotelis	Samber.

* Manis pentadactyla	Indian scaly ant-eater.
* Tupaia ellioti †	Madras tree-shrew.
Pteropus edwardsi	Large fox-bat.
* Embryo do.	Do.
* Cynopterus marginatus	Small fox-bat.
* Rhinopoma hardwickii	Long-tailed leaf-bat.
Felis tigris, young	Tiger cub.
Do. melas	Black panther.
Do. viverrina	Large tiger cat.
Herpestes griseus	Madras mungoose.

The following skeletons and osteological specimens were prepared :—

1. *Skeletons—Mammalia.*

Canis familiaris...	The Pariah dog.
Do. pallipes	Indian wolf.
Felis leo	Lioness.
Do. tigris	Tiger.
Do. pardus	Pard.
Paradoxurus musanga	Common tree cat.
Equus caballus	Horse.
Sus indicus	Common pig.
Rusa aristotelis	Sambar.
Ovis aries	Domestic sheep.
Bos indicus	Domestic bull.
Manis pentadactyla	Scaly ant-eater.
Petropus edwardsi	Large fox-bat.

2. *Osteology—Mammalia.*

Skull of Rusa aristotelis	Samber.
Do. Antelope bezoartica	Indian antelope.
Do. Bos indicus	Domestic bull.
Do. Macacus radiatus	Madras monkey.

3. *Skeletons—Birds.*

Neophron percnopterus	White scavenger vulture.
Haliætus leucogaster	Grey-backed sea eagle.

4. *Osteology—Birds.*

Skull of Corvus culminatus	Indian corby.
Do. do. splendens	Common Indian crow.
Do. Terekia cinerea	Avoset sandpiper.
Do. Phœnicopterus roseus	Flamingo.

5. *Skeleton—Reptilia.*

Chelonia virgata	Edible turtle.

6. *Osteology—Reptilia.*

Skull of Python molurus	Rock snake.

13. Numismatics.—The Museum is indebted to the Asiatic Society of Bengal and the Bombay Branch Royal Asiatic Society for the donation of numerous gold, silver, and copper coins, and, among others, to His Highness Krishna Raja of Calicut for the donation of a half mohur of Tippoo Sultan. A catalogue of the coinage of Mysore was in the press at the end of the year, many of the coins described in which were obtained by me at Bangalore, Mysore and Seringapatam. In addition to the coins of Mysore, the following series were arranged: Parthian, Greek and Indo-Scythic, Indo-Portuguese, Ceylon, Pondicherry, and the coins of the Patan Sultans of Delhi. In the arrangement of these coins, valuable assistance was given by Captain R. H. C. Tufnell.

14. Raw Products.—The commencement was made out of a sum of Rs. 300 granted for the purpose of a collection of raw products, limited to the Madras Presidency. These it is my proposal to arrange systematically in a room leading out of the main hall, together with a series of sections of forest woods, some of which have been already presented to the Museum by J. S. Gamble, Esq., Conservator of Forests.

During the year the following raw products were collected by the Herbarium-keeper :—

Vegetable drugs.	Dried fruits and seeds.
Mineral drugs.	Spices and condiments.
Animal drugs.	Starches.
Medicinal oils.	Oils and oil-seeds.
Intoxicating drugs.	Dyes.
Pulses.	Tans.
Grains.	Mordants.

* Signifies that the animal was preserved in alcohol.
† Obtained on the Shevaroys.

15. TAXIDERMIC DEPARTMENT.—The following is a summary of the work done :—

Birds stuffed	70	Insecta collected	651
Mammalia stuffed	9	Crustacea collected	65
Reptilia stuffed	4	Mollusca shells collected ...	28
Fishes stuffed	34	Skeletons prepared	17
Fishes preserved in alcohol.	140	Skulls prepared	9

The head and third taxidermists accompanied me on my tour to Rámesvaram Island.

16. TOURS.—During the year two tours were made—(1) to Rámesvaram Island, of which a preliminary report was in the press at the end of the year, containing a list of the specimens obtained which had been identified. Many of the specimens collected on that occasion were sent to Europe for identification, which was impossible in the absence of specimens for comparison; (2) I accompanied the Master Attendant and the Secretary to Government, Public Works Department, on their annual inspection of light-houses, and had an opportunity of seeing the nature of the coast line from Mangalore to Gopálpur and of forming an opinion as to which parts of the coast will be most profitably explored on the occasion of future tours.

GOVERNMENT CENTRAL MUSEUM,
EGMORE,
9th July 1887.

(Signed) EDGAR THURSTON,
Superintendent, Government Central Museum.

APPENDICES.

A.

GENERAL LIST OF THE CONTRIBUTIONS, &C., RECEIVED FOR THE GOVERNMENT CENTRAL MUSEUM FROM 1ST APRIL 1886 TO 31ST MARCH 1887.

	NO.
Agri-Horticultural Gardens, Superintendent of—	
Casuarina pole bored by carpenter bee (Xylocopa sp.) 1	2
Fruit of Crescentia cajuti 1	
Anderson, Captain—	
Horned owls (Urrua bengalensis)	3
Antonio, Mr. C. J. J., Pudupet—	
Breccia from the foot of the Whitefield Kaolin (?) Knoll ... ... Lot	
Whitefield feldspars and Kaolin ... ... ,,	
Rock crystals and quartz from Whitefield ... ... ,,	16
Quartz detritus of the Whitefield Kaolin as washed off at the works ... ,, 1	
Hæmatite 11	
Copper coins	
Atkinson, E., Esq., Accountant-General, Calcutta—	
Butterflies, moths, &c., from Sikkim Himalayas	390
Baker, Miss, Peermaad—	
Cicada 1	2
Stick insect (Bacillus sp.) 1	
Bauliah Naidoo Garu, B., M.R.Ry., Head Translator, High Court—	
Figures illustrating native female costume	2
Benson, C., Esq., Assistant Director of Agriculture—	
Larvæ of Colæoptera, sp?	Collection.
Bidie, Surgeon-General G., M.B., C.I.E.—	
Specimen of magnesite	1
Bisset, A., Esq.—	
Scotch terrier	1
Bliss, H. W., Esq., Commissioner of Salt and Abkári Revenue—	
Crystallized sulphate of calcium (plaster of Paris) from Kharagora in the Runn of Kutch	1
Brockman, Dr. Drake—	
Moth (Antheræa mylitta)	1
Campbell, Madam, G.—	
Sphinx moth sp.	1
Carr, J., Esq., Solicitor, Egmore—	
Rock specimens	3
Carter, H. R. P., Esq., Chetput—	
Head and skin of a wolf (Canis pallipes) 1	18
Bats from Sholingur 3	
Hedge hog (Erinaceus micropus) 1	
Mouse from Erode (Mus sp.) 1	
Shrew mouse (Sorex sp.) 4	
Snakes 1	
Larva of a butterfly 1	
Moth 3	
Queen white-ants (Termites) 2	
Mygale sp.	

	NO.
Chief Engineer, Public Works Department, Madras—	
Mass of vegetable mould excavated near the backwater leading to Covelong bar	1
Coimbatore, Collector of—	
Impressions on paper of seals from Kollegál and Erode taluks 4	5
A copy of a copper grant 1	
Colquhon, Adam B., Esq.—	
Fish (Julis lunaris)	1
Cox, Colonel H. W. H.—	
Fruits (Hura crepitans)	3
Dale, Mr. J., Poonamallee—	
Copper coin	1
Daly, William Mahon, Esq., Yercaud, Shevaroys—	
Tree shrew (Tupaia elliotti) 1	
Spider (Mygale sp.) 1	
Cicada 2	81
Birds' eggs 76	
Fungus (Sclerotium stipitatum) from white-ants' nest 1	
Damodarum, R., Naidoo, M.R.Ry.—	
Snake (Tropidonotus stolatus) 1	
Fish (Stegostoma tigrinum) 1	3
Wasp (Vespa vulgaris) 1	
Director, Geological Survey of India, Calcutta—	
Specimen of Namianthal Meteorite	1
Empson, Major R. A., Gunpowder Factory, Madras—	
Moths (Actias selene)	2
Fairlie, F., Esq.—	
Ceylon Lepidoptera ... ... Species	17
Fiddian, J. P., Esq., Chingleput—	
Beetle (Cerambyx sp.)	1
Foote, R. B., Esq., F.G.S., Geological Survey of India—	
Crustacea, shells, corals, sponges, &c. 30	
Shells ... ... Lot	32
Rock specimen 1	
Gale, C. E., Esq.—	
Skin of Crocodilus sp.	1
Gamble, J. S., Esq., Conservator of Forests, Northern Circle—	
Wood specimens... 134	
Bats 2	137
Snake 1	
Ganjam, Collector of—	
Impressions of seals	5
Garstin, J. H., Esq.—	
Red spur-fowl (Galloperdix spadiceus) 1	
Orange minivet (Pericrocotus flammeus) 1	
Eggs of Lorry (Eclectus sp.) 2	13
Silver coin 1	
Copper coins 8	
Gleeson, J. M., Esq.—	
Land Planarian (Bipalium univittatum)	1
Gompertz, H., Esq., Yercaud—	
Stone hammer and celt from Shevaroys	2
Governor in Council, His Excellency the—being returned exhibits from the Indo-Colonial Exhibition—	
Musical instruments 17	
Gold and silver jewelry, special collection from Madura 9	
Do. general collection 146	
Toda, Badaga and Kota jewelry 16	
South Canara jewelry 2	
Ornaments in the baser metals 30	
Do. in brass, copper and alloys 76	
Sacrificial utensils 17	488
Articles in mixed metals 9	
Lacquered ware 4	
Lapidaries work 1	
Cotton fabrics 50	
Wool fabrics 3	
Silk fabrics 55	
Hand-printed fabrics 52	
Saddlery 1	

		NO.
Governor, The Right Honorable the—		
Earthenware pot with cover found in the ruins of Yellamah's temple, Penukonda, Anantapur District	1	2
Tail of Rayfish (Trygon sp.) cut and ornamented with a silver handle	1	
Hackett, Dr. A. L., Kilpauk—		
Snake (Lycodon aulicus)		1
Hasted, Colonel R.E.—		
Eggs of Pond Tortoise (Emys trijuga)		Lot.
Havell, E. B., Esq., Superintendent, School of Arts, Madras—		
Ant-eater (Manis pentadactyla)	1	3
Fish (Stegostoma fasciatum)	1	
Leaf insect (Phyllium)	1	
Havelock, Mrs. Ann L., Bangalore—		
Bark used for writing on in Cashmere—		1
Hawkes, Colonel H. P.—		
Bangles worn by hill tribes, &c.		10
Henderson, Dr., Egmore—		
Ant-eater (Manis pentadactylas)		1
Honorary Secretary, Bombay Branch of the Royal Asiatic Society—		
Gold coins	3	14
Silver coins	11	
Honorary Secretary (Philological) Asiatic Society of Bengal and Calcutta—		
Gold coins	25	97
Silver coins	63	
Copper coins	8	
Coin made of mixed metal	1	
Hunt, Colonel—		
Fish (Scatophagus argus)		1
Iya Pillay, Eleazer John, Mr.—		
Silver coin	1	9
Copper coins	8	
Jackson, G., Esq.—		
Hornet's nest (Vespa sp.)		1
Johnson, W. E., Esq.—		
Fish (Megalops cyprinoides)	1	2
Crustacean (Macrobrachium longidigitum)	1	
Jones, J. A., Esq., Vice-President, Municipal Commission, Madras—		
Grass-hopper (Truxalis sp.)		1
King, A., Esq., Vepery—		
Dried specimens of Ficus plants		98
King, Dr. G., Superintendent, Royal Botanic Gardens, Seebpore near Calcutta—		
Locusts (Œdipoda sp.)		Collection.
Kistna, Acting Collector of—		
Shells (Lepas anserifera) attached to a piece of wood		5
Kotilingam, Mr. J. P.—		
Half mohur of Tippu Sultan		1
Krishnan Rajah, H. H., Calicut—		
Birds		4
Lee, Mr. J. P., Egmore—		
Lac insect (Coccus lacca)		1
Logan, John, Esq., Coorg—		
Locusts (Œdipoda sp.)		Collection.
Madura, Collector of—		
Fish (Notopterus kapirat)	1	2
Australian sea-weeds, &c.	Lot	
Maitland, Dr. J.—		
Weaver Bird's nest (Ploceus baya)		1
McNally, Dr. C. J.—		
Wood and bark of Acacia leucophlæa	1	12
A bottle of spirit prepared from the above	1	
Apparatus (earthen and copper) used in distilling the above	2	
Rock specimens	7	
Chrysalis of a moth	1	
Mitchell, J. M., Esq.—		
Specimens of Kaolin and iron sand stones from the Pálghat hills		Lot.
Morgan, R., Esq., Forest-officer, Malabar—		
Photograph of sculptures		1
Mysore Government Museum—		

		NO.
Nellore, Collector of—		
Locusts (Œdipoda)	Collection	2
Grass-hoppers (Truxalis)	,,	
Natesa Sastri, Pandit, Bangalore—		
Cabul coin		1
Peters, C. J., Esq., Kurnool—		
Monster chicken		1
Phipps, C. E., Esq., Perambore—		
Leaf insect (Phyllium siccifolium)		2
Pogson, N. R., Esq.—		
Mantis		1
Prentice, Mr. J.—		
Eggs		Collection.
President, Municipal Commission, Madras—		
Monkey (Macacus radiatus)	1	23
Lioness (Felio leo)	1	
Tigress (Felis tigris)	1	
Tiger cubs (Felis tigris)	3	
Leopard (Felis pardus)	1	
Black panther (Felis melas)	1	
Tiger cat (Felis bengalensis)	1	
Wolf (Canis pallipes)	1	
Sambur (Rusa aristotelis)	3	
Nilgai (Portax pictus)	1	
Squirrel (Sciurus malabaricus)	1	
Scaly ant-eater (Manis pentadactyla)	1	
Kangaroo (Macropus sp.)	1	
Vulture (Pseudogyps bengalensis)	1	
Eagle (Haliætus leucogaster)	1	
Jungle fowl (Gallus sonneratii)	1	
Guinea fowl (Numidia meleagris)	1	
Lizard (Hydrosaurus stellaris)	1	
Python (Python molurus)	1	
Ratton, Dr. J. L., Egmore—		
Mantis		1
Rea, A., Esq., First Assistant, Archæological Survey, Madras—		
Sculptures from Vizianagrum	28	31
Ancient stone images from Erukampett, North Arcot District	2	
Portions of ancient coffins and pots contained in them from Palláveram		
Robinson, W. R., Esq., Egmore—		
Bird (Buteo vulgaris)		1
Salem, Collector of—		
Locust (Acrydium peregrinum)		1
Sartin, Dr.—		
Carcass of horse		1
Shortt, J., Retired Deputy Surgeon-General—		
Antelope (Antelope bezoartica)	1	76
Porcupine (young) (Hystrix leucura)	1	
Birds	4	
Reptiles	41	
Crab	1	
Insects	14	
Eggs	12	
Fruits (Auracaria excelsa)	2	
South Arcot, Assistant Collector in charge of the Treasury—		
Images		4
South Canara, Collector of—		
Gold coins		2
Steavenson, J., Esq., Marble Hall—		
Piece of Pumice stone with shell-fish attached		1
Stephens, J., Esq.—		
Black scorpion (Buthus sp.)		1
Streenivasa, Mr. B., Vepery—		
Eggs of Pond Tortoise (Emys trijuga)		2
Thomas, H. S., Esq.—		
Fish (Diodon hystrix)	1	2
Mollusca	1	
Thorowgood, F. N., Esq., Nungumbaukam—		
Silk moths (Antheræa mylitta)	2	3
Corals (Porites) from Madras Harbour		

	NO.
Tomlinson, A., Esq., Saint Thomas' Mount—	
Cocoons of Antheræa mylitta	2
Travelling Auditor, South Indian Railway—	
Leaf insect (Phyllium)	1
Trichinopoly, Collector of—	
Locusts (Acrydium) ... ... Collection	
Impressions of seals 3	6
Copies of impressions from copper Sasanams 2	
Tufnell, Captain R. H. C.—	
Silver coins in exchange 2	9
Copper coins do. 7	
Wailly, Monsr. A—	
Butterflies and moths 73	117
Cocoons of Attacus cynthia and Antheræa pernyi 44	
White, Mr. W. A. F., Pursewalkum—	
Eggs of white scavenger vulture (Neophron percnopterus)	2
Whiteside, W. S., Esq.—	
Moth (Sphinx butus)	1
Wilkins, Mr. H., Vepery—	
Horn spoon found in New Zealand 1	3
Iron bracelets do. 2	
Woolridge, H. L., Esq., Villupuram, South Arcot District—	
Clear winged moth (Ægeria)	1

B.

Visitors to the Government Central Museum from 1st April 1886 to 31st March 1887.

1886-87.	Signatures made in											
	English.	Telugu.	Hindustani.	Tamil.	Mahratta.	Nagaree.	Guzerathee.	Canarese.	Chinese.	Singalese.	Malayalam.	Bengalee.
1	2	3	4	5	6	7	8	9	10	11	12	13
April	2,011	330	190	1,219	6	7	6	6	..	..	19	4
May	2,138	470	198	1,546	12	11	15	51	..	..	14	..
June	2,931	468	155	1,999	5	10	19	18	..	..	11	..
July	2,471	484	291	1,979	12	6	33	27	..	..	32	..
August	1,916	430	245	1,417	3	..	42	22	..	..	42	..
September	1,890	490	328	2,037	6	3	21	44	..	..	29	..
October	1,910	400	175	1,714	18	8	19	10	..	..	38	..
November	2,010	463	196	1,517	7	7	19	22	..	..	30	..
December	3,819	602	214	1,852	4	10	26	42	..	2	68	3
January	3,023	600	286	2,371	6	11	18	72	..	3	90	..
February	1,977	360	114	987	22	6	21	8	..	..	35	..
March	2,230	276	143	1,128	16	11	21	15	..	..	32	..
Total ..	28,326	5,373	2,535	19,766	117	90	260	337	..	5	440	7

1886-87.	Total of signatures.	Unable to sign, but tally kept.	Total of visitors.	Number of		Total of visitors.
				Men and boys.	Women and girls.	
	14	15	16	17	18	19
April	3,798	12,035	15,833	9,688	6,145	15,833
May	4,455	14,456	18,911	11,639	7,272	18,911
June	5,616	16,200	21,816	13,474	8,342	21,816
July	5,335	16,989	22,324	13,691	8,633	22,324
August	4,117	12,447	16,564	10,244	6,320	16,564
September	4,848	15,112	19,960	12,607	7,353	19,960
October	4,292	11,076	15,368	9,740	5,628	15,368
November	4,271	11,250	15,521	10,053	5,468	15,521
December	6,642	19,606	26,248	16,490	9,758	26,248
January	6,480	28,297	34,777	20,828	13,949	34,777
February	3,530	7,868	11,398	7,360	4,038	11,398
March	3,872	10,436	14,308	8,883	5,425	14,308
Total ..	57,256	175,772	233,028	144,697	88,331	233,028

C.

Statement showing the number of Visitors to the Government Central Museum for the past five years.

1882-83	271,881
1883-84	242,514
1884-85	272,968
1885-86	311,462
1886-87	233,028

D-1.

List of Books added to the Public Library.

1.—*By Purchase (Standard Works).*

	Volumes.
Atkinson, W. S.—New Indian Lepidopterous Insects, Part 1	1
Badger, G. P.—English-Arabic Lexicon	1
Balfour, F. M.—Comparative Embryology	2
Bentley, R.—Structural and Physiological Botany	1
Bentley, R.—Systematic Botany	1
Bible Myths and their Parallels in other Religions	1
Buckland, Franck—Life of, by G. C. Bompas	1
Burmese Cadjan Manuscript Book	1
Christy, T.—New Commercial Plants and Drugs, Parts 7 and 8	2
Church, A. H.—Food-grains of India	1
Curtis's Botanical Magazine, Volumes 38 to 42	5
Darwin, C.—Power of movement in Plants	1
Darwin, C.—Naturalists' Voyage round the World	1
Darwin, C.—Movements and Habits of Climbing Plants	1
Darwin, C.—Expression of the Emotions in Man and Animals	1
Darwin, C.—Descent of Man	1
Edwards, John—Botanical Register by John Lindley, Ph. D., F.R.S., &c., New Series ...	10
Ehrenberg—Beitrage Corallenthiere des rothen Meeres Von—*vm* Ehrenberg	1
Encyclopædia Britannica, Volumes 18, 19, 20 and 21	4
Esper Die Pflanzenthiere	4
Fergusson, James—Archæology in India	1
Forbes, H. O.—A. Naturalist's Wanderings in the Eastern Archipelago	1
Geikie, A.—Class Book of Geology	1
Hervey, Rev. A. B.—Guide for the Microscopical Investigation of Vegetable Substances	1
Hewitt, John—Ancient Armour and Weapons in Europe	3
Higgins, H. H.—Arrangement of Invertebrate Animals in the Museum of Liverpool ...	1
Higgins, Rev., H. H.—Museum Talk about Animals which have no bones (Pamphlet) ..	1
Higgins, Rev. H. H.—Museums of Natural History	1
Hooker, J. D. and T. Thompson—Flora Indica	1
Hornaday, W. T.—Two Years in the Jungle	1
James, William—English and German Dictionary	1
Klein, E.—Micro-organisms and Disease	1
Klunzinger, Dr. C. B.—Korallentheire des Rothen Meeres, Parts 1, 2 and 3	3
Life of Sheikh Mohammed Ali Hazin, edited from Two Persian Manuscripts by F. C. Belfour	1
Lubbock, Sir John—Ants, Bees and Wasps	1
Major, R. H.—Discoveries of Prince Henry the Navigator	1
Man, E. H.—Aboriginal Inhabitants of the Andaman Islands	1
Mirkhond.—The History of the Atabeks of Syria and Persia by W. H. Morley, Esq. ...	1
Mueller, B. F. V.—Descriptive Atlas of the Eucalypts of Australia, Parts 9 and 10 ...	2
Nicholson, H. A.—Manual of Palæontology for the use of Students	2
Nordenskiold, A. E.—Voyage of the Vega round Asia and Europe	3
Numismata Orientalia, Volume 3, Part 2	1
Pallas Elenchus zoophytorum	1
Philosophical Transactions of the Royal Society of London, Volume 149, Part 2 ...	1
Pillar of the Creed of the Sunnites by Rev. W. Cureton, M.A., &c.	1
Poole, S. L.—Catalogue of the Collection of Oriental Coins belonging to Colonel C. S. Guthrie	1
Prinsep, C.—Record of Services of the Honorable East India Company's Civil Servants.	1
Riebeck, Emil.—The Chittagong Hill Tribes, folio	1
Siebold Fauna Japonica (Crustacea) folio	1
Siebold Fauna Japonica (Aves) folio	1
Smollett, T.—History of England	5

	Volumes.
Sterndale, R. A.—Mammalia of India and Ceylon	1
Thornton, E.—Gazetteer of Sind, Afghanistan, Beluchistan and the Punjab	1
Williams, B. S.—The Orchid Grower's Manual	1
Year Book of Australia for 1885	1

D-2.

Periodicals.

American Naturalist, Nos. 1 to 12 for 1886.
Annual Register for 1885.
Asylum Press Almanac for 1887.
Illustrated London News, Vols. 89-90 for 1886-87.
Journal of the Royal Asiatic Society of Great Britain and Ireland, Parts 1 to 4 for 1886.
London Times, Weekly Edition, Nos. 482 to 535 for 1886-87.

D-3.

By Gift (Standard Works).

	Volumes.
Archæological Survey of Western India, List of the Antiquarian Remains in the Bombay Presidency by Jas. Burgess, C.I.E., LL.D., &c., No. 2.	1
Bayley, Sir E. C.—History of Gujarat, the Local Muhammadan Dynasties	1
Bühler, Dr. G.—Inscriptions from Nepal	1
Carlleyle, A. C. L.—Archæological Survey of India, Volumes 21 and 22	2
Catalogue of the Siwalik Vertebrata of the Indian Museum, Calcutta, Part II	1
Catalogue of the Pleistocene and Pre-Historic Vertebrata of the Indian Museum by R. Lydekker, B.A., &c., Pamphlet	1
Catalogue of the Siwalik Vertebrata of the Indian Mammalia, Part 1, by R. Lydekker, B A., F.G.S., &c.	1
Catalogue of the Birds in the Provincial Museum, North-West Provinces and Oudh, Lucknow, 1886	1
Catalogue of Sanskrit Manuscripts in the North-West Provinces, Part 10	1
Catalogue of Sanskrit Manuscripts in Oudh, 1885	1
Challenger—Report on the Scientific Results of the Exploring Voyage of the—Volumes 14, 15 and 16	3
Facsimile of an Inscription in St. Rita's Chapel, Mylapore, 1 roll	1
Hawkes, H. P., Colonel—Photographs of Madras Artware	1
Hunter, W. W.—Imperial Gazetteer of India	8
Jeypore Enamels by Lt.-Colonel S. S. Jacob, R.E.	1
Lepidoptera of Ceylon by F. Moore, Parts 11 and 12	2
Marshall's Butterflies of India, Burmah and Ceylon, Volumes 1 and 2	2
Memorandum on the Corrosion of the Lead Linings of Indian Tea Chests by Alexander Pedler, Esq.	1
Murray, J. A.—The Reptiles of Sindh, a Systematic Account of the—	1
Monograph on Woollen Manufactures of the Punjab for 1884-85	1
Notices of Sanskrit Manuscripts by Rajendralala Mitra, Nos. 20, 21 for 1884-85, 1885-86	2
Official Report of the Calcutta International Exhibition, 1883-84	2
Pahlavi, Gujarati and English Dictionary, Volume 4th	1
Pope, Rev. G. U.—The Sacred Kurral of Tiruvalluva Nayanar	1
Proceedings of a Conference on Silk held in the Office of the Revenue and Agricultural Department of the Government of India at Calcutta	1
Samudrika or a Treatise on the Hindu Sciences of Palmistry and Physiognomy by C. Devaraja Pillai	1
Seshagiri Sastri, M.—Notes on Aryan and Dravidian Philology, Volume 1st	1
Skeleton Map of India	1
Smithsonian Institution Report for 1883 and 1884	3
Some new Species of Ficus from New Guinea by G. King, M.B., Pamphlet	1
Species of Ficus of the Indo-Malayan and Chinese Countries, Part 1 Palaeomorphe and Urostigma by G. King, M.B., &c.	1
Statistical Atlas of India, prepared for the Colonial and Indian Exhibition, 1886, folio.	1
The Fertilization of Ficus Hispida, a problem in Vegetable Physiology by G. King, M.B., &c., Pamphlet	1
Toynbee, Captain—On the Physical Geography of the part of the Atlantic which lies between 20° N. 10° S. and extends from 10° to 40° W	1
Vijayanagar, the Ruins of the City of	1
Wallich's Tentamen Floræ Nepalensis	1
Watt, George—A Guide to the Economic and Commercial Court, Calcutta Exhibition.	1
Yule, Colonel H, and A. C. Burnell—Hobson-Jobson, or Glossary of Anglo-Indian Words	1

D-4.

Periodicals (By Gift).

Avifauna of British India and its Dependencies by James Murray, Vol. 1, Part 1.
Bulletin of the Brookville Society of Natural History, No 2.
Fort St. George Gazette, Nos. 14 to 51 for 1886; Nos. 1 to 12 for 1887.
Gazette of India, Nos. 14 to 50 for 1886; Nos. 1 to 12 for 1887.
Index to the Transactions of the Literary Society of Bombay, Volumes 1—3 and Journals of the Bombay Branch, Royal Asiatic Society, Volumes 1—17.
Indian Antiquary by J. Burgess, Volume 15 for 1886.
Journal of the Asiatic Society of Bengal, Part 1, Nos. 1 to 3 for 1886; Part 2, Nos. 1 to 4 for 1886.
Journal of the Bombay Branch of the Royal Asiatic Society.
Journal of Indian Art, Nos. 10 to 16.
Madras Journal of Education, January 1887, with supplement.
Memoirs of the Geological Survey of India (Palæontologia Indica), Vol. 3, S. 10; Vol. 4, S. 10; Vol. 1, S. 14; Vol. 4, S. 12; S. 13-1-6.
Oesterreichische Monatsschrift fur den Orient, Nos. 1 to 3 and 5 to 12 for 1886.
Proceedings of the Asiatic Society of Bengal, No. 10 for 1885; Nos. 1 to 10 for 1886.
Proceedings of the Davenport Academy of Natural Sciences, Vol. 4th.
Quarterly Journal of Veterinary Science in India, Nos. 14 to 16 for 1885-86.
Records of the Geological Survey of India, Parts 1 to 4 for 1886.
Statement of Imports and Exports, March to December 1886 and January and February 1887.
The Pandit.—A monthly publication devoted to Sanskrit Literature, Nos. 1 to 12 for 1886.

D-5.

Reports.

	Copies.
A Manual of the Administration of the Madras Presidency, Preliminary Articles ...	1
Administration Report of the Bombay Jails for 1885	1
Administration Report of the Jails of Bengal for 1885	1
Administration Report of the Meteorological Reporter to the Government of Madras for 1885-86	1
Administration Report of the Public Works Department (General, Buildings and Roads Branch), Madras Presidency, for 1883-84, 1884-85	2
Administration Report of the Public Works Department, Irrigation Branch, in Madras Presidency, for 1880-81, 1881-82, 1883-84, 1884-85	4
Annual Report on the Foreign Trade of the North-Western Provinces and Oudh for 1886	2
Annual Report with Tabular Statements of the Condition and Management of the Jails in the North-Western Provinces for 1885, by R. T. Hobart, Esq., C.S.	1
Annual Report of the Madras Court of Small Causes for 1885	1
Annual Report on the Jails of the Hyderabad Assigned Districts for the year 1885 ...	1
Annual Administration Report of the Forest Department, Madras Presidency, for 1881-82, 1882-83, 1883-84, 1884-85	4
Annual Report on the Government Cinchona Plantation in Bengal for 1885-86 ...	2
Annual Report on the Government Experimental Farm, Hyderabad, Sind, for 1886 ...	2
Annual Report of the Khandesh Experimental Farm for 1886	2
Annual Report on the Royal Botanic Garden for 1885-86	2
Annual Report on the Administration of the Land Revenue in Assam for 1885-86 ...	2
Annual Report on the Administration of the Prisons in the Province of Coorg for 1885 by J. B. Lyall, Esq.	1
Annual Report on the Lunatic Asylums in the Madras Presidency for 1885	1
Annual Report of the Director of Agriculture, Bombay Presidency, for 1885-86 ...	2
Annual Report on the Gardens of His Highness the Maharana of Oodeypore for 1885-86	1
Annual Report on the Civil Hospitals and Dispensaries in the Madras Presidency for 1885	1
Annual Report of the Madras Medical College for 1884-85 and 1885-86	2
Annual Volume of the Sea-borne Trade and Navigation of the Madras Presidency for 1885-86	2
Annual Report of the Experiments in Agriculture, British Burma, by R. Romanis, 1886	1
Annual Report on the Working of the Botanical Gardens, Poona, for 1884-85 ...	1
Australian Museum, New South Wales, Report of—for 1885	1
Civil Justice Report of Lower Burma for 1885	1
Civil Statement of the North-Western Provinces for 1885	1
Civil Account Code, Vol 1, Part I, Fourth Edition	1
Classified List and Distribution Return of Establishment for 1883 to 1886, Public Works	4
Code of Regulations for the Public Works Department for 1882	1
Coorg Inscriptions by Lewis Rice, C.I.E., 1885	1

	Copies.
Criminal Justice Report of Lower Burma for 1885	1
Criminal Statements of the North-Western Provinces for 1885	1
Crop Experiments, Bombay Presidency, for 1884-85	2
Department of Agriculture, Central Provinces, Returns of Railway-borne Traffic for March, June and September 1886	3
Erode Agricultural Exhibition, 1887, Regulations of the—	1
Excise Administration Report for Fasli 1286 to 1289, and 1882 to 1884	7
First Annual Report of the Director of the Agricultural Department, Bengal, for 1886	2
Gooty Agricultural Exhibition, 1887, Regulations of the—	1
Indian Meteorological Memoirs by H. F. Blanford, F.R.S., Vol. 3, Part 1; Vol. 4, Part 1.	2
Indian Museum, Annual Report for 1885-86	2
Madras Land Revenue Reports for Fasli 1293 (1883-84)	1
Madras Public Works Department Forms, 1882	2
Meteorological Observations recorded at six stations in India for 1884-85 and 1886	3
Note by the Chief Engineer for Irrigation on the detailed accounts of irrigation of all works for which neither Capital nor Revenue Accounts are kept for 1882-83	1
Progress Report of Forest Administration in the Hyderabad Assigned Districts for 1885-86	2
Report on the Judicial Administration (Criminal) of the Central Provinces for 1885	1
Report on the Prison Administration of British Burma for 1885	1
Reports of Public Instruction in the Madras Presidency for 1884-85	1
Report on the External Trade of Bengal with Nepal, Sikkim, and Bhutan, for 1885-86.	1
Reports of the Meriah Agents (Ganjam) from 1837 to 1861	1
Report on the Abkári System of the Madras Presidency with some details of the Excise Taxation in the other Provinces of India, 1881	1
Report of the Administration of Criminal Justice in Oudh for 1885	1
Report of the Administration of the Department of Salt Revenue in the Madras Presidency of Fort St. George for the Year 1884-85	1
Report on the Administration of the Madras Presidency for 1885-86	1
Report on the Administration of the Meteorological Department of the Government of India in 1885-86	1
Report on the Administration of Civil Justice in Oudh for 1885	1
Report on the Railway-borne Traffic of the Central Provinces for 1885-86	1
Report on the Nagpur Experimental Farm in the Central Provinces for 1884-85	1
Report on the Administration of the Presidency of Fort St. George for 1884-85	4
Report on the Cawnpore Experimental Station for 1885 and 1885-86	1
Report on the Administration of the Registration Department in the Madras Presidency for 1879-80, 1880-81, 1882-83, 1883-84, 1884-85	5
Report on the Progress and Condition of the Government Botanical Gardens at Saharanpur and Mussoorie for 1886	3
Report on the Revenue Administration of Lower Burma for the Year 1885-86	3
Report on the Horticultural Gardens, Lucknow, for 1886	2
Report on Arboriculture in the Hyderabad Assigned Districts for 1885-86	2
Report on the Meteorology of India for 1884 by H. F. Blanford	1
Report on the Jails of the Punjab by R. Gray, Esq., for 1885	1
Report on the Administration of Civil Justice in the Punjab and its Dependencies for 1885	1
Report on the Jail Administration of the Province of Assam for 1885, by H. C. Williams, Esq.	1
Report on the Administration of Criminal Justice in the Punjab and its Dependencies for 1885	1
Report on Criminal and Civil Justice in the Hyderabad Assigned Districts for 1885	1
Report on the Jails of the Central Provinces for 1885 by the Inspector-General of Prisons	1
Report on the Judicial Administration (Civil) of the Central Provinces for 1885	1
Report on the Agriculture of Bombay for 1886	1
Report on the Government Agri-Horticultural Gardens, Lahore, for 1885-86	1
Report regarding the Travelling Show of Agricultural Implements, 1886	1
Report on the Agriculture and Commerce of the North-Western Provinces and Oudh, 1886	1
Reference to Madras Public Works Department Code, Security Bond, Paragraphs 949 and 950	1
Review Minute by His Excellency the Right Honorable the Governor	3
Returns of Agricultural Statistics of British India for 1884-85	1
Review of Forest Administration in British India for 1884-85	1
Review of the Reports on Estates under Government in the Central Provinces for 1885	1
Review of the Revenue Administration of the Province of Oudh for 1885	1
Royal Botanic Gardens, Report of, for 1885, by Dr. H. Trimen, Director	1

	Copies.
Second Report on the Abkári System of the Madras Presidency, 1881	1
Selections from the Records of the Government of India, Home Department, No. 213, Reports on Publications issued and registered in the Several Provinces of British India for 1884	1
Selections from the Records of the Government of India, Home Department, No. 223, Papers relating to Infant Marriage and Enforced Widowhood in India, 1886	1
Selections from the Records of the Government of India, Home Department, No. 205, Correspondence on the Education of the Muhammadan Community in British India and their employment in the public service generally, 1886	1
Standing Order of the Public Works Department for 1883 and 1884, incomplete	2
The India Office List for 1886	1

D-6.

Patent Office Papers.

	Volumes.
Alphabetical Index of Patents and Applicants for Patents of Inventions for 1885 and 1886	2
Patents for Inventions, Specifications and Drawings, Vols. 13 to 86 for 1884	74
Patents for Inventions, Specifications and Drawings, Vols. 1 to 32 for 1885	32
Specifications relating to Photography, Part 3, A.D., 1877—1883	1
Specifications relating to Drains and Sewers, Sewage and Manure, Part 2, A.D., 1867—1876	1
Specifications relating to preparing and cutting Cork, Bottling Liquids, Securing and Opening Bottles, &c., Part 3, A.D., 1877—1883	1
Specifications relating to Fire Arms, Ammunition, &c., Division 1, Fire Arms and Similar Weapons, Part 3, A.D., 1877—1883	1
Specifications relating to Fire Arms, Ammunition, &c., Division 2, Cartridges, Projectiles, and Explosives, Part 3, A.D., 1877—1883	1
Specifications relating to Metals and Alloys (excepting Iron and Steel), Part 2, A.D., 1867—1876	1
Subject-matter Index of Applicants for Letters Patent for 1885 and 1886	2

E-1.

List of Books added to the Scientific Library.

By Purchase (Standard Works).

	Volumes.
Baillon, H.—Dictionaire de Botanique, Vol. 2nd	1
Bell, F. J.—The Zoological Record, Vol. 22, for 1885	1
Heude, R. P., Conchyliologie Fluviatile de la Province de Nanking et de la Chine, Centrale, Part 9	1
Iconographie der Schalentragenden Europaischen Meeresconchylien by Dr. W. Kobelt, Heft 4 and 5	2
Semper, Dr. C., Reisen in Archipel der Philippinen Zweiter Theil die Landdeckels Schnecken von Dr. W. Kobelt	1

E-2.

Periodicals.

Annals and Magazine of Natural History	Nos. 97 to 108 for 1886 and Nos. 1 and 2 for 1887.
Annales de la Societe Entomologique de France	Nos. 1 to 3 for 1886.
Annales des Sciences Naturelles, Botanique	Vols. 3 and 4 for 1886.
Annales des Sciences Naturelles Zoologie	Nos. 1 and 2 for 1886.
Bulletin de la Societe Imperiale des Moscow	Nos. 1 to 4, 1885, and 1 to 3 for 1886.
Ibis A.—Quarterly Journal of Ornithology	Nos. 13 to 16 for 1886, and No. 1 for 1887.
Journal de Conchyliologie	Nos. 1 to 4 for 1886.
Journal of the Linnean Society, Botany	Nos. 142 to 147 and 150-151 for 1886.
Do. do. do. Zoology	Nos. 113 to 126 for 1886.
Nature—A Weekly Illustrated Journal of Science	Vols. 33—34 for 1885-86; Nos. 888 to 905 for 1886-87.
Nouvelle's Archivesdu Museum d' Histoire Naturelle	No. 2 for 1885, and No. 1 for 1886.
Philosophical Magazine	Nos. 128 to 139 for 1886.
Proceedings of the Zoological Society	Parts 1 to 3 for 1886.
Quarterly Journal of the Geological Society	Nos. 165 to 168 for 1886.
Transactions of the Entomological Society	Parts 1—4 for 1886.
Transactions of the Linnean Society, Zoology.	Vol. 3, Part 4, Vol. 4, Part 1, for 1885-86.
Transactions of the Linnean Society, Botany.	Vol. 2, Part 9—11 and 12 for 1885-86.

E-3.

By Gift (Standard Works.)

	Volumes.
An introduction to the study of Meteorites, in the British Museum Natural History ...	1
Catalogue of the Printed Maps, Plans and Charts in the British Museum	2
Catalogue of the Blastoidea in the Geological Department of the British Museum by R. Etheridge and P. H. Carpenter	1
Catalogue of the Fossil Mammalia in the British Museum, Part 3	1
Catalogue of the Birds in the British Museum, Vol. 11	1
Catalogue of the Indian Coins, Greek and Scythie Kings in the British Museum ...	1
Catalogue of Books in the Galleries of the Reading Room of the British Museum ...	1
Guide to the Department of Geology and Palæontology in the British Museum Natural History	1
Lepidaptera Heterocera in the collection of the British Museum, Part 6	1

E-4.

Fish Library.

Balfour's Elasmobranch Fish	1
Bulletin of the United States Fish Commission, Vol. 1 for 1881	1
Fourth Annual Report of the Fishery Board of Scotland for 1885	1
Hore, J. P. and E. Jex, Oyster and Trawl Fisheries of England...	1
Report of the Inspectors of Irish Fisheries on the Sea and Inland Fisheries of Ireland for 1885	1

E-5.

Blue Books.

	Copies.
Convention between the Governments of Great Britain and Spain respecting the Commercial relations of the two countries, 1886	1
Copy of a statement showing the principal figures in the East India Accounts for 1883-84 and 1884-85, and estimates for 1885-86 and 1886-87, with explanations ...	1
Correspondence between the British and Indian Governments respecting the Silver Question, 1886	1
Correspondence respecting the question of Diplomatic and Consular Assistance to British Trade Abroad, Parts 1 and 2	2
Correspondence relating to Burma since the accession of King Theebaw in October 1878	1
Despatch from Her Majesty's Minister in China transmitting a Convention between Her Majesty and His Majesty the Emperor of China relating to Burma (China No. 5, 1886) sheet	1
East India (Loans raised in India, 1886, sheet)	1
East India (Transfer of Government to Simla)	1
Estimate of Revenue and Expenditure of the Government of India for the Year 1885-86	1
Extracts of the Proceedings of the Council of the Governor-General of India assembled for the purpose of making Laws and Regulations regarding the Act, No. 2 of 1886, for imposing a Tax on Income derived from other sources than Agriculture	1
Further correspondence respecting the formation of an International Copyright Union, 1886, Nos. 2 and 3	2
Further correspondence respecting Central Asia, No. 4, for 1885	1
Further correspondence relating to Burma, No. 3, for 1886	1
Home accounts of the Government of India, 1886	1
Index to the Report from the Select Committee on Forestry for 1885	1
Report on Sanitary measures in India in 1884-85 with Miscellaneous information up to June 1886, Vol. 18	1
Report from the Select Committee on Forestry with the Proceedings of the Committee, and Minutes of Evidence, 1886	1
Return East India Silver Question for 1885	1
Return East India Reduction of Expenditure for 1885	1
Return East India Army System Army Transport for 1885	1
Return East India Financial Statement for 1886-87	1
Statement exhibiting the Moral and Material Progress and Condition of India for 1882-83, 1883-84 and 1884-85	3
Statistical Abstract relating to British India from 1875-76 to 1884-85	1
Supplementary Article to the Treaty between Great Britain and Siam of 1883 relative to Extradition, 1886, sheet	1
Third Report of the Royal Commission appointed to inquire into the Depression of Trade and Industry for 1886	1

E-6.

Trübner's Oriental Series.

	Volumes.
Bigandet, Rev. P.—The Life or Legend of Gaudama the Buddha of the Burmese ...	2
Gray, James—Ancient Proverbs and Maxims from Burmese sources	1
Wherry, Rev. E. M.—A Comprehensive Commentary on the Quran, Vol. 4th	1

E-7.

Record Publications from the Master of the Rolls.

Bracton Delegibus Angleae, Vol. 6th	1
Calendar of State papers (Domestic) 1656-1657, 1657-1658, and 1658-59	3
Calendar of State papers (Colonial) East Indies, 1625—1629	1
Calendar of State papers (Spanish) 1531—1533	2
Calendar of State papers (Venetian) 1557-1558	1
Calendar of State papers (Ireland) 1588-1592	1
Calendar of Treasury papers, 1714—1719	1
Cartularium Monasterü de Rameseia, Vol. 1st	1
Chartularies, &c., St. Mary's Abbey, Dublin	1
Chronicles, Stephen, Henry II, Richard I	2
Chronicles, Edward I and Edward II, Vol. 2nd	1
Croniques, &c., Par Waurin, 1431 to 1447	1
Eadmeri Historia Novorum in Anglia, &c.	1
Letters and Papers, Foreign and Domestic, Henry VIII, Vols. 7 and 8, 1534 and 1535	2
Materials for the History of Archbishop Thomas á Becket, Vol. 6	1
Math Paris Chromica Majora, Vol. 7th, Index	1
Register of Sarisberiense Osmund, Vol. 1	1
Registrum Epistolarum, J. Peckham, Archiepiscope Cantuarienses, Vol. 2nd	2
Syllabus of Rymeis, Fœdera, Vol. 3rd, Appendix	1
Symeon of Durham, Vol. 2	1
Thomas Saga Erkibyskups, Vol. 2nd	1
Year Books, Edward III, Years 11-12 and 12-13	2

MADRAS,
9th July 1887.

(Signed) EDGAR THURSTON,
Superintendent, Government Central Museum.

LIST OF EXHIBITS FROM THE INDO-COLONIAL EXHIBITION RETURNED FOR DEPOSIT IN THE MUSEUM.

Musical Instruments.

Flute made of bamboo.
Whistle do.
An oboe-like instrument made of blackwood.
Do. do. do.
Do. do. do.
Conch shell.
S-shaped brass trumpet.
Drum.
Drum, barrel-shaped.
A small drum chiefly used by beggars.
A sort of guitar, made of jackwood.
Do. do. teakwood.
A guitar made of jackwood.
Do.
A guitar, with a drum-like body.
A violin.

Jewellery.

Silver armlets.
Pair silver wristlets.
Do. silver toe ring.
2 Do. do.
2 Do. do.
Pair gold ear ornament.
Do. do. do.
Do. do. do.
One do. do.
Pair do. do.
Do. do. do.
One do. do.
Pair gold ear studs.
Do. do. drops.
Do. do. studs.
Do. do. drops.
Do. do. do.
Gold nose ornament.
Do. do. ring.
Do. do. do.
Pair wristlets.
Do.
Silver waistcord.
Do. waistchain.
Do. fig-leaf.
Pair silver anklets.
Do.
Do.
One do.
Pair do.
One do.
Do. do.
Pair do.
Silver toe ring.
Do. do.
Do. do.
Silver finger ring.
Do.
Do.
Silver wristlet.

Gold nose ornament.
Do. do. do.
Do. do. do.
Gold necklet.
Silver necklet.
Silver neckchain.
Gold and glass bead necklet.
Horsehair do.
Horsehair necklet.
Silver necklet.
Do.
Silver chain.
Pair silver armlets.
1 silver do.
Silver armlet with pendant.
Silver armlet.
Do.
Silver wristlet.
Do.
Do. pair.
Silver wristlet.
Do.
Do.
Brass wristlet.
Seven iron wristlets.
Pair silver pendants.
Do. gilt ear studs.
Four earrings.
Wristlet.
Silver wristlet.
Silver waist-belt.
Pair silver wristlets.
Do. do.
Hair pendant.
Silver finger ring.
Do. do.
Pair silver toe rings.
Do. do.
Silver necklet.
Do. head ornament.
Do. do.
Do. armlet.
Do. wristlet.
Do. finger ring.
Do. do.
Do. waistchain.
Do. anklet.
Do. do.
Do. fig-leaf.
Do. head ornament.
Hair ornament.
Necklet.
Do.
Do.
Do.
Do.
Collection of peasant jewellery.
Do. do.
Copper armlet.
Collection of peasant jewellery.
Set do. do.
Do. do. do.
Do. do. do.
Silver armlet.
Gold nose ornament.
Two gold ear ornaments.
Do. do.
Do. do.
Pair silver wristlet.
Do.

Silver armlet.
Do.
Do.
Silver necklet.
Do. wristlet.
Gold ring.
Gold annular studs.
Silver and gilt armlet.
Do. wristlet.
Silver wristlet.
Do.
Gold ear ornament.
Do. pair.
Silver ear ornament.
Do. necklace.
Do. do.
Two silver and bead necklaces.
Silver armlet.

Silver toe ring.
Pair do.
One wristlet.
Pair do.
Do. do.
Silver armlet.
Gold ring.
Gold and glass bead necklace.
Gold forehead ornament.
Silver wristlet.
Do.
Do.
Do.
Silver chatelaine.
Do. finger ring.
Pair of earrings.
Pair of brass armlets.
Two brass and two copper wristlets.
Copper wristlet.
Brass wristchain.
Silver necklet.
Do. finger ring.
Do. gilt breast-plate.
Do. nose ornament.
Do. waist-chain.
Do. coin case.
Two silver toe rings.
Silver fig-leaf.
Pair gold earrings.
Gold earring.
Pair do.
One do.
One nose ring.
Do.
Sixteen silver charms.
Hair ornament.
Pair head ornament.
Ear drops.
Nose ornament.
Necklet.
Do.
Armlet.
Pair wristlets.
Waistbelt.
Collection of peasant jewellery.
Pair copper anklets.
Do. head ornaments.
Gold ear ornament.
Do. head do.
Do. head ornament.

Silver necklet.
Do. pendant.
Two gold beads.
Do. do.
Silver armlet.
Do. with pendant.
Silver wristlet.
Do.
Do.
Do.
Silver wristlets, pair.
Do.
Gold fig-leaf.
Pair silver anklets.
Do. do.
One do.
Do. do.
Do. do.
Brass oil-vessel.
Metal chembu.
Brass do.
Do.
Do.
Do.
Do.
Do.
Copper chembu.
Do.
Do.
Bell-metal lotah.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Pewter lotah.
Bell-metal aftaba.
Circular brass tray.
Octagonal do.
Brass tray.
Do.
Do.
Do.
Do.
Do.
Copper tray.
Brass do.
Copper do.
Brass tray.
Do.
Brass plate.
Do.
Brass tray.
Do.
Brass bowl.
Do.
Bell-metal cup.
Do.
Bell-metal water vessel.
Do. tobacco-holder.
Do. chunam-holder.
Brass bowl.
Set of peasant jewellery.

Lacquered box.
Lacquered box and playing cards.

Set of peasant jewellery.
Do.
Do.
Marriage necklet of 48 pendants (charms) with 52 rubies and 57 beads.
Pair gold ear studs.
Pair gold wristlets.

Manufactures in metal.

Brass lamp.
Lamp.
Brass chembu.
Brass lamp.
Copper water vessel.
Do.
Brass cymbals.
Brass lamp.
Bell-metal lamp.
Brass lamp.
Do.
Chembu.
Bell-metal chembu.
Brass do.
Do.
Bell-metal chembu.
Do.
Do.
Brass chembu.
Metal lotah.
Do.
Do.
Bell-metal ladle.
Do.
Bell-metal oil measure.
Brass spittoon.
Do.
Brass lamp.
Do.
Do.
Brass drinking vessel.
Brass water vessel.
Brass plate and candle-sticks.
Copper begging pot.
Do.
Copper tray.
Bell-metal stand.
Brass bell.
Cup for sandalwood paste.
Cup.
Cylindrical vessel.
Vessel for holy water.
Do.
Do.
Chased lotah.
Vessel for holy water.
Brass chembu.
Feet of Krishna.
House lamp.
Household lamp.
Brass and zinc salver.
Copper salver.
Brass lotah.
Brass tray.
Do.
Brass water vessel.
Do.

Lacquered Wares.

Large lacquered fan in 4 colors.
Small fan, lacquered.

Lapidaries' Work.

Rock crystal Lingam and Yoni.

Textiles.

Woman's cloth.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Turban.
Woman's cloth.
Do.
Do.
Do.
Do.
Do.
Do.
Woman's jacket-cloth.
Do.
Woollen rug.
Small carpet.
Piece of silk.
Do.
Woman's jacket, silk.
Do.
Do.
Woman's cloth, silk.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Woman's cloth.
Do.
Do.
Do.
Woman's jacket-cloth.
Do.
Do.
Do.
Do.
Piece of satin.
Do.
Do.
Piece of silk.
Hand-printed palampore.
Do.
Do.
Handkerchief.
Hand-printed palampore.
Do. cloth.
Do.
Woman's cloth.
Do.
Do.

Woman's cloth.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Woman's jacket-cloth.
Turban.
Men's handkerchief.
Petticoat cloth.
Piece of unbleached Arni muslin.
Woman's cloth.
Do.
Do.
Do.
Do.
Woman's jacket-cloth.
Do.
Do.
Woman's jacket, silk.
Do.
Do.
Woman's cloth, silk.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Woman's cloth.
Do.
Do.
Do.
Do.
Woman's jacket-cloth.
Do.
Do.
Do.
Do.
Eighteen pattern lengths of satin.
Woman's jacket-cloth.
Piece of silk.
Do.
Hand-printed cloth.
Do.
Hand-printed palampore.
Do. do.
Do. do.
Do. do.
Do. do.
Do. do.
Do. do.
Do. do.
Do. do.
Cotton kerchief.
Do.

Waistcloth.
Do.
Pair kerchiefs.
Turban cloth.
Hand-printed palampore.
Do. do.
Do. do.
Hand-printed woman's cloth.
Do. kerchief.
Do. woman's cloth.
Do. do.
Hand-printed palampore.
Do. do.
Do. do.
Do. do.
Do. do.
Do. do.
Do. do.
Do. do.
Do. do.
Do. do.

Hand-printed palampore.
Do. do.
Do. do.
Hand-printed cloth.
Do.
Do.
Do.
Hand-printed palampore.
Do. do.
Woman's cloth.
Woollen rug.
Hand-printed palampore.
Do. do
Hand-printed canopy cloth, 12½′ × 11″.
Do. do. 12′ × 11″.
Piece of cloth showing various methods of hand printing.
Hand-printed canopy cloth, 13′ × 11″.
Hand-printed palampore.
Do. of Persian carpet pattern, 18′×18′

Poshtins, Belts, Saddles, &c.

Embroidered saddle.

MADRAS,
9th July 1887.

(Signed) EDGAR THURSTON,
Superintendent, Government Central Museum.

ORDER—dated 25th August 1887, No. 840, Revenue.

Miscellaneous.

The report on the working of the Government Central Museum during the year 1886-87 shows that considerable progress was made, especially in the Natural History section. His Excellency the Governor in Council notices with much satisfaction the interest which Dr. Thurston takes in his work, and he regards the tours which that officer has made as most useful to the interests both of the museum and of the Presidency to which the museum is to serve as an illustrative index.

2. The Superintendent attributes the decrease in the greatest number of visitors on any one day to the melancholy disaster that occurred at the Madras Park Fair; the great decrease which occurred in the total number of visitors is not explained. It appears from a comparison of the statement given on page 14 of the report with a similar statement for the previous year that the falling off in numbers was distributed fairly evenly over the year.

3. The Government consider that it would be convenient if a statement of the cost of working the museum was given in the annual report, and they direct that this be done in future.

4. The attention of the Public Works Department will be invited to paragraph 2 of the report. The recommendation of the Superintendent that one of the godowns should be converted into a water-pandal will be considered on the receipt of more definite proposals, which should be accompanied by an estimate of the cost.

5. In conclusion, His Excellency the Governor in Council desires to tender his acknowledgment to the numerous contributors to the museum, as well as to Captain Tufnell and others who rendered assistance to the Superintendent.

(True Extract.)

(Signed) J. F. PRICE,
Ag. Secretary to Government.

To the Superintendent, Government Central Museum.
,, the Public Works Department.
,, Surgeon-General G. Bidie, M.B., C.I.E.
,, the Editors' Table.

Exd W. H. French.

150 Copies.

Bo 2660 wajr. 8 Oct/87

Communicated to the Supg: Engr: V. Circle for requisite action, with reference to para 2 of the Report.

(Sd) J. O. H.

Govt. of {1887} Madras.

REVENUE.

Issued

Recd. Encl.

G.O., 25th August 1887, No. 840.

Rec 2660 wajr 10th Oct/87

AUGUST.

Government Central Museum.

Review of report on the — for 1886-87.

To The Supg: Engr: V. Circle.

With Order

Public Works Department.

Current No. 2331

Letter No. 1514

Dated the 5th March 1888

From the Secy: to Govt: Pub: Deptt:

Sanction accd 17.3.88

B

NOTE OF REMARKS.

The Estimate under review amounting to Rs 240 provided for converting a thatched godown into a brick Quarter at the Govt: Central Museum Madras.

The rates are fair. The plan and Estr: are countersigned by the Supt: Govt: Central Museum and approved by Govt: in the Rev: Deptt:-

Supt 15/3/88

Bd

remove

SUPERINTENDING ENGINEER'S OFFICE,

V CIRCLE, MADRAS,

No. 4647 Triplicane, 4 February 1888.

From Colonel H. A. Vibart R.E.

SUPERINTENDING ENGINEER,

V CIRCLE,

To

THE Superintendent

Government Central Museum,

Madras.

SIR,

With reference to your letter No. 4 dated 7th January 1888, I have the honor to return cecenter-signed the plan and estimate of Rs. 240 for converting an unroofed Godown at the Government Central Museum, Madras, into a water pandal, in view to the same being submitted by you to Government in accordance with para 4 of G. O. Revenue Department No. 840 dated 25th August 1887.

I have the honor to be

Sir

Your most Obedient Servant

Illegible Vibart Col. R.E.

Supdg. Engineer, V Circle.

Enclosures 3

1 Estimate

1 Report.

1 Plan

6

Rev. 12/8/88.

From

THE SUPERINTENDING ENGINEER,

V CIRCLE,

To

THE

Dated

Recd. 9 February 1888.

188

ENCLOSURES.

No.

E.2

P.W. 2334/88

Government Central Museum

Egmore

Madras 20th February 1888

No. 96

From

Edgar Thurston Esqre

Superintendent Government

Central Museum

To

The Secretary to Government

Revenue Department

Fort Saint George

Sir

With reference to Para 4 of G.O. No 820 of 25th August 1887, I have the honor to forward herewith Plan and Estimate furnished by the Public Works Department for converting one of the godowns of the Museum into a water pandal. The arrangement I propose is as follows: that a Brahmin be engaged to disburse drinking water free of charge to the visitors in consideration of the privilege of keeping a refreshment stall in the godown. He will not reside on the premises, but will bring his wares with him every morning and remove

2 Plans
11-10-87

remove the same in the evening. Hoping that this proposal will meet with the sanction of the Right Honorable the Governor in Council.

I have the honor to be,
Sir,
Your most Obedient Servant,
Edgar Thurston.
Superintendent Govt.
Central Museum.

E.1
14/2334

ABSTRACT.

2660 W—11—20—8

PWC № 23

(1888.)

REVENUE DEPARTMENT.

No. 1298.

Endorsement № 1514.

Approved and transferred to the Public Works Department.

(By order)

H A Cheek

Under Secretary to Govt.

Fort St. George
5 March 1888

B. 11/3/88

№ 963 W of March 23. 1888

B.

The intimate is returned to the Secty. Govt. Circle for sanction under para 267 (a) of the P.W. Code and for execution from the minor works grant at his disposal for the Presy. Divn.

22.3.88 Despd 24/3 1888

20 S.E. Circle
Mts Ootacamund.

From

The Superintendent
Government Central
Museum.

№ 963 W of March 23. 1888

Dated 20
Received 20 } February
Enclosures 6 + R 9.3.88
(+1 plan)

No. 90.

SUBJECT.

Submitting with definite proposals for sanction a Plan and Estimate for converting one of the unused godowns into a Water Pandal.

Endorsement