G.O 30-8-88 No 5150 Mes
4-5-88 to 2649.

Nos 2840 W - 12-9-88.
1975 W. — 3. 7. 88.
2652 C - 31-5-88.
1398 W. 12. 5-88

B Nos 3399 W & 725 C & 1788.

Communicated to the

Supty Engineer I circle and the Examiner of P.W. Accts with reference to G.O. No. 2840 W dt 12 Sept 1888.

1888.

22.10.88

22/10/88

Cc/

The Supty Engr I circle
" Engr: P.W. Accts
" Accountant of P.W. Accts

Nos 3399 W & 725 C 10-88

Rec. & to D. Nos
Memorandum of Govern-
ment
Rev. Dept.
dy 19/10/88
Ord 26 Sep.

Proceedings, dated 22 September 1888.

No. 2153. Enclosures.

Subject

Passing orders on letter from the Collector of Tanjore regarding grants for works in Kallikot & Kapad Estate

Encl. No. 6078.

Forwarded

Ag. Secretary to Govt.

From the George
15" Oct 1888.

To the P.W.D.

1
4/10

With Ordy

Official year

3. If the court agree with me, I beg that Proceedings may be passed stating that the Rs 25000/- sanctioned in their Proceedings of the 16th ultimo is for expenditure during the Current Fasli 1298 and sanctioning a further sum of Rs 5000/- for expenditure during the same period and cancelling the sum of Rs 5000/- sanctioned in the Proceedings of 25th April last as lapsed with F. 1297.

Resolution.

The Collector's attention will be drawn to the marginally noted Resp. For D.P.W. purposes, the grants made in the Court's budget lapse with the official year. Thus an allotment made in the budget for F. 1297 would have lapsed by the end of 1886-87. The allotment of Rs 5000/- for expenditure by the D. P. W. in the succeeding official year, applied for by the Collector, was, therefore, not taken to be a grant for F 1297, but was intended to be included in the Budget for F. 1298. In C.2. of the 16th ultimo an additional allotment of Rs 25000/- has been made. Rs 30,000/- are thus available for expenditure by the D.P.W. during the current official year. This amount will be included in the budget for F. 1298, the submission of which should be expedited.

/ True Copy & Extract /

Asst Secretary

To
The Colr of Canara
The P. W. D. thro' for[illegible] R.D.

Dft

× C.P. 18.11.85. No 315, para 3. ds. 8.6.88. No 1184.

COURT OF WARDS OFFICE
MADRAS.

Proceedings of the Court of Wards.

Dated 22d September 1888.

No. 2153.

H. S. Thomas Esq. J. L. S; J. L. S

READ the following letter from the Collector of Tanjore dated 18th September 1888 No. 4116.

Referring to Court's Procs dated 16th Instant No. 1831, I have the honor to state that the Supdg Engineer has been under the impression that the Rs 5000/- sanctioned in C.L. dated 25th April last No. 837 was for Fasli 1297 which ended with June last and that the whole of the said allotment lapsed as none of it could be utilized within the end of June. I have also been under the same impression because in my letter dated 13th April last No. 1255 in which application was made for the said Rs 5000/- it was distinctly stated that the amount was required for F. 1297 and there is nothing in the Court's Procs of the 25th idem sanctioning the amount to show that the allotment is for the current official year which will terminate with March next and not for F. 1297.

2. Further the Estate allotments should be for the Fasli year and not for the Official

5152 30-8-88

2649 4-5-88

No 2649 dd 4-5-88
" 2875 dd 16-5-88.
No 2052C 31-5-88
R. No 1398 W. 12-5-88

No 2540 W dd 12th Septr 1888

Communicated to the S. E. I. Circle & the Examiner P. W. Accts in continuation of G.O. No. 1398 W dd 12th June 1888

W 6-9-88

Jw 8/9/88

Cir 15 W/13/9 D 13/9

S. E. I. Circle Asst Engr No. I. Cycle

Accts 3/9 Exr 3/9 F 19/9 3/9

Revenue 1888.

Court of Wards,

MADRAS.

No. 5 of 44.

To

The P. W. D. thro
The Secretary to Govt
Rev. Deptt

No 2540 W dd 12th September
R.S.G.88 Desk 30/9/88

Rd 18th Sept

Proceedings, dated 16th August 1888.

No. 1831 Enclosures.

GOVERNMENT OF MADRAS 18 AUG 88 REVENUE DEPARTMENT

Subject.

Stating that the Court have already sanctioned an allotment of Rs 5000 for the execution of works in the Kallikot & Attagada estate during the current official year & sanctioning a further allotment of Rs 25000 for expenditure during the same period.

Endorsement No. 5750.

Forwarded

Coleman 30 Sept/88

C. Gallop ag Secretary

To the Public Works Department

12-5-88

1888

Sanctioned an allotment of
Rs 3000 for expenditure by the P.W.D
during the current official
year and they now sanction a
further allotment of Rs 23000
for expenditure during the same
period.

(True copy and extract)

Ag Secretary.

To

The Collector of Ganjam

& The P. W. D through Govt. R. D.

8/4

No. 1398 W dy 12-5-88

1888.

COURT OF WARDS OFFICE, MADRAS.

Proceedings of the Court of Wards.

Dated 16th August 1888.

No. 1831

H. S. Thomas Esq^r F.L.S. F.Z.S.

READ — The following letter from the Collector of Ganjam dated 6th August 1888 No. 3621 —

In the D.P.W. budget for Fasli 1298 of Public Works in the estates under the management of the Court of Wards received with Court of Wards Proceedings dated 25th April 1888 No. 840 no provision is made for the Kallikote and Atagada estates.

I have the honour to request that Rs 30,000 may be entered for expenditure by D.P.W. in the two estates in question for Fasli 1298 and that the Court's sanction to the allotment may be communicated to the D.P.W. at once.

Resolution

The Court have already sanctioned

C.P. 25.4.88 No. 837

P. W. DEPARTMENT.

Current No. 5041

From The Accountant-General Madras

To. The Exr. P.W. Accts

Thro' The Secy. to Govt P.W.D.

ENCLOS.—

No. 1514

Dated 29th May 1888

Received 30 —do—

SUBJECT.

stating that he is prepared to accept the debit in the Civil Accounts, of the amount of Rs 5000 sanctioned in the Court of Wards Proc. No. 837 d/25-4-88 for execution of certain works in the Kallikote & Atagada Estates.

DISPOSAL.

No. 2052C Dated 31st May 1888

Forwarded to the Examiner of P.W. Accts.

(sd) W.L.C. Baddeley

Capt R.E.

Under Secy. to Govt P.W.D.

B. 11/31/5

D. 31/5

P.W.C. No. 4302

Revenue 1888. Dept.

Court of Wards,

MADRAS.

No. 2976.

SECT. GOVT. MADRAS
REV. DEPT.

To

Forwd 30/4

The P. W. Deptt.
Triplicane

The Secretary to Govt.
R.D.

R 9.5.88 E1

Rd 30 April

Proceedings, dated 25 April 1888.

No. 837. Enclosures.

No 1398 W of 12th May 1888

Subject.

Sanctg an allotment of Rs 50000 to be placed at the disposal of the P.W. Deptt for the Execution of works in the Kallikot & Ootacamund Estates

P.W. DEPARTMENT, MADRAS.
SECRETARY TO GOVERNMENT
7 MAY 88

Endorsement No. 2649.

Forwarded to the Public Works Department.

H. A. Cuart.
Under Secretary

Ootacamund
4 May 1888.

With order

3. No. 1398 W of 12th May 1888

Communicated to the Supty. Engineer I Circle.

Jou 7/5/88

P.W. 11/41 5

S. E. I Circle P. 14 15
Ex Rlwa.

Rd 30/5/88

GENERAL.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated July, 3rd.

Recd. Encl.

G.O., 3rd July 1888, No. 1975 W.

JULY.

Estate Grants

Proceedings of the Court of Wards stating that, for the purposes of the Public Works Department, the — do lapse with the official year, but that expenditure may be incurred in April, May and June, against the allotments of the ensuing fasli, communicated to the officers concerned.

3rd July 1888, No. 1975 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following Proceedings of the Court of Wards, dated 8th June 1888, No. 1184.

Hon'ble W. S. Whiteside.

Read—the following letter from the Collector of Ganjam, to the Secretary to the Court of Wards, dated 11th May 1888, No. 1915.

Referring to the Court of Ward's Proceedings, dated 14th April 1888, No. 744, communicating G.O., 15th March 1888, No. 860 W., I have the honor to observe that the Public Works Department are under the impression that the estate grants lapse with the end of the official year.

2. I think it may be pointed out to them that the estate budgets are for the fasli year and not for the official year.

Resolution—dated 8th June 1888, No. 1184.

For Public Works Department purposes, the grants do lapse with the official year, *vide* Court's Proceedings, dated 18th November 1885, No. 315.

2. In April, May and June, however, the Public Works Department should spend against the allotments of the ensuing fasli; they need not remain idle.

(A true Copy and Extract.)

(Signed) H. A. SIM,
Ag. Secretary.

Mis. No. 3595, Revenue.

Forwarded.

Ootacamund,
20th June 1888.

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

Order—dated 3rd July 1888, No. 1975 W., Public Works.

Communicated to the officers concerned with reference to G.O. No. 860 W., dated 15th March 1888.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.

Exd. F. R. Bantleman.

Spare Copies

G. no. 64753 26-9-88.

for the execution of works in the Kallikot and Atagada Estates is sanctioned. The collector is requested to arrange for the amount being placed at the disposal of the P. W. department.

/True Copy & Extract/

Ag. Secretary

E.1
P.W. 4303

To,
The Collector of Ganjam
The P. W. D and Rev. Deptt.
The Accountant.

1975 W., PUBLIC WORKS.

T OF MADRAS.

S DEPARTMENT.

Proceedings of the

Dated 25th eral.
ount.

No. 837. Court of Wards, dated 8th June 1888,
1184.

The Hon. —

READ ——— . WHITESIDE.

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ollector of Ganjam, to the Secretary to the
h May 1888, No. 1915.

of Ganjam da

eedings, dated 14th April 1888, No. 744,
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n that the estate budgets are for the fasli

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P. W. Departm

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of works in

the Public Works Department should
sli; they need not remain idle.

Estates in the

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2. The Exe

(Signed) H. A. SIM,
Ag. Secretary.

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

official year

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may be place

with reference to G.O. No. 860 W.,

his departm

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necessary w

J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Re

An a

G. no. 6475 26-9-88.

for the Retention of w
Kallikot and Atag
Sanctioned. The collec
to arrange for the am
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Department.

True Co

Military (1888) Department.

No. 7326

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

No. 3319/B.

Dated 5th } October.
Received 8th }

19.X.88

SECRETARY TO GOVERNMENT
8 OCT.
P.W. DEPARTMENT, MADRAS.

Rs 339/W 725 Aug 1888

To,

The Collector of Ganja
The P. W. D and Re
The Accts Genl.

ENCLOSURES. Nil

Solicits sanction
to the ½ yearly inspection
of the South lines at
Trichinopoly being made by
the Ex. Engr. of the Station

COURT OF WARDS OFFICE MADRAS.

Proceedings of the Court of Wards.

Dated 25th April 1888.

No. 837.

READ ..... The Hon. W. S. Whiteside;

the following letter from the Collector of Tanjore dated 13th April 1888 No 1285.

I have the honor to request that the Court of Wards will be pleased to place Rs 5000 at the disposal of the P. W. department for the execution of works in the Kallikot and Atagada Estates in the current fasli.

2. The Executive Engineer informs me that the irrigation works and buildings in the two Estates will be taken charge of from the current official year and asks that funds may be placed at the disposal of his Department to execute the necessary work.

Resolution

An a Rs 5000/ for

G. no. 64753 26-9-88.
Ro 3100 w - 3-10-88.

Fort St George
22 October 1888.

No 6990

Approved and transferred to the Public Works Dept for favor of the issue of the necessary orders, should there be no objection.

(By order)
A Kennedy Lieut Col
Secretary to Govt mil Dept.

R/No: 3397 w 0725 dt 24.10.88.

Communicated to the Supt Engineer VI Civil Circle with a request to instruct the Executive Engineer Trichinopoly Division accordingly.

A military Engineer Officer cannot be spared for the duty.

Lt Col Civil Circle
Trichy
24.10.88

ce no 110

30 Indents 25/10 24/10/88

Military (1888) Department.

No. 7326

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

No. 3319-B.

Dated 5th } October.
Received 8th }

SECRETARY TO GOVERNMENT 25 OCT. P.W. DEPARTMENT, MADRAS.

Ro 3397 w 0725 dt 24.10.88

ENCLOSURES. Nil

Solicits sanction to the ½ yearly inspection of the South lines at Trichinopoly being made by the Executive Engineer of the Station.

Ro 10704

should be made to the Officer Com=
=manding the Station, by whom they
will be forwarded to this Office
for the information of the Commander=
=in=Chief.—

I have the honor to be,
Sir,
Your Obedient Servant,
W. Robertson Dpty. Genl.
Quarter Master General.

6 Spare copies of the O.G. on this letter
are required.—

Form No. 7 B.

Quarter Master General's Office,

Ootacamund,

5th October 1888.

No. 3319 B.

From

Brigadier-General M. PROTHEROE, C.B., C.S.I.,

Quarter Master General,

To

The SECRETARY to GOVERNMENT,

Military Department.

Sir,

Referring to Proceedings of Madras Government No. 6475 dated 26th Ultimo, I am desired to solicit that the sanction of Government may be accorded to the half yearly (April and October) inspection of the South lines at Trichinopoly by the Executive Engineer of the Station, so that the maintenance of the lines in proper repair may thus be ensured.

2. The General Officer Commanding Southern District has been instructed that the Executive Engineer's reports on the lines should

Order thereon No. 3100 h dy 3. 10. 88

Communicated to the Supty. Engineer VI Circle

Sd. Jo. H.

Govt. of {1888} Madras.

MILITARY.

To

The QUARTER MASTER GENERAL,
&c., &c., &c.

Dated September,

Issued

Recd. *Encl.*

G.O., September 1888, No.

SEPTEMBER.
Nos.

Military Buildings—Native Lines.

17*th Madras Infantry at Trichinopoly.*—Grant of a hutting repair allowance to the —, on condition that it maintains the Government lines in its occupation in a proper state of repair, sanctioned by the Government of India.

S. E. VI Circle.

GOVERNMENT OF MADRAS.

MILITARY DEPARTMENT.

Military Buildings—Native Lines.

Read the following papers :—

No. . *From Colonel M. PROTHEROE*, C.B., C.S.I., *Officiating Quarter Master General, Madras Army, to Brigadier-General A. KENNEY-HERBERT, Secretary to Government, Military Department; dated Ootacamund, 25th June* 1888, *No.* 2094-*B.*

The 17th Madras Infantry, on its return from Upper Burma in the end of March last, went into occupation of the new lines at Trichinopoly, which were constructed as one of the two sets of experimental lines on Sir Frederick Roberts' system, under the sanction conveyed in O.G. No. 1882, dated 29th March 1883.

2. As these lines are the property of the State, the question has arisen as to the terms on which they are to be occupied.

3. From the correspondence * referred to the Commander-in-Chief in O.G. No. 3112, dated 9th May 1888, His Excellency concludes that the Government of India has decided upon a revision of the existing hutting regulations of the Native Army upon the principle that the lines shall remain the property of the State and be kept in repair by the regiment in occupation, he considers, therefore, it will be necessary in the present case to propose merely temporary arrangements under which the 17th Madras Infantry shall occupy the lines at Trichinopoly pending the issue of the revised regulations before referred to.

* From Government of India, No. 1099-C, dated 28th April 1888.

4. To provide for the maintenance of the lines in proper repair during the period they are occupied, it seems necessary, either that the regiment should pay rent to the State from which the cost of repairs can be met, or that it should receive a hutting repair allowance and be required to keep the lines in proper repair.

5. The lines not being constructed of such durable materials as the other lines for which Government now receives rents from regiments, viz., those at (Perambore) Madras and at Bangalore, the repairs which will be requisite may be expected to be heavy; moreover the principle under which regiments in occupation of lines are required to keep their lines in repair seems to the Commander-in-Chief to be the preferable one. His Excellency therefore recommends that, pending the issue of new hutting regulations, the 17th Madras Infantry occupy the new lines at Trichinopoly, on condition that it maintains them in proper order, receiving a hutting repair allowance similar to that granted to the regiments in the Belgaum District in Proceedings of Government, No. 3600, dated 15th June 1886.

6. The hutting repair allowance drawn by the regiment would be funded so as to meet the cost of repairs, and the lines would be periodically inspected by the Executive Engineer to ensure the lines being kept fully repaired.

No. . *With report from Controller of Military Accounts;* 23*rd July* 1888, *E.*

No. . *To the Secretary to the Government of India, Military Department; dated* 30*th July* 1888, *No.* 5209.

Nº 3394 W of 24. x 88

Recorded.

sgd W. L. CB

D/r

Govt. of {1888} Madras.

REVENUE.

Issued

Recd. *Encl.*

G.O., 11th October 1888, No. 703.

Nº 3394 W of 24 - x 88

OCTOBER.

Government Central Museum.

Reviewing the report of the — for 1887-88.

Withdrawn

Worked flake of chert, Idopinkal, Anantapur district.
Chert flake with a serrated edge, Tripatur, Madura district.
Bones from Midden heaps and cooking places in different settlements.
Palæolithic implement from Joga, Hospet taluk, Bellary district.
Implements of hard limestone, Yedhalli, near Sorapur, Nizam's Dominions.
Palæolithic implement from the laterite Munjyar, Ariyalur taluk, Trichinopoly.
Palæolithic implement of flint, Wangford, Essex, England.
Quartzite sling stone, Palæolithic.
Pottery from Neolithic settlements, Bellary-Anantapur country.
Six Palæolithic implements from gravel beds, Kolakandi, Bellary district.
Quartzite scraper, Palæolithic, from Madgi, Badani taluk, Bijapur district.
Quartzite scraper, Palæolithic, from the valley of the Maneru, Nellore district.
Arrow head of Obsidian, Mexico.
Arrow heads of flint, England and Ireland.
Arrow heads from under the Teri, Sawyerpuram, Tinnevelly.
Flakes of chert resembling arrow heads.
Axe head of copper near the Baragunda copper mine, Hazaribagh district, South-West Bengal.
Four cores of dark chert from Patpad, Banganapalle, Kurnool district.
Core from foot of Daraji hill, Bellary district.
Core from foot of Iddapinkal, Gooty taluk, Anantapur district.
Cores from foot of Yalapadagu, Gooty taluk, Anantapur district.
Four cores (1 agate, 3 chert) from Jabalpur.
Cores from under the "Teri," Sawyerpuram, Tinnevelly district.
Core from a gravel bed south of Mana Madura, Madura district, made of chert much withered.
Ten cores of chert and agate from Hallakota hill, Siruguppa, Bellary district.
Armlet of copper, near the Baragunda copper mine, Hazaribagh district, South-West Bengal.
Cores of chert, Roh, on the Indus, Sind.
Iron implements found buried in a pot with other antiquities, Patpad, Banganapalle, Kurnool district.
Eight celts in first stage from a manufactory on a basaltic trap dyke 20 miles north-west of Tirupatúr, Salem district, badly shaped specimens, probably rejected.

MADRAS,
4th July 1888.

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

From EDGAR THURSTON, Esq., Superintendent, Government Central Museum, to the Secretary to Government, Revenue Department, dated Madras, 27th August 1888, No. 527.

With reference to your official memorandum No. 90, of 8th August 1888, I have the honor to forward, herewith, a classified list of expenditure of the Government Central Museum, during the year 1887-88, to accompany my annual report on the working of the institution.

ENCLOSURE.

CLASSIFIED List of Expenditure of the Government Central Museum, during the year 1887-88.

No. 1887-88.		Actuals, 1887-88.			Revised estimate, 1887-88.		
		RS.	A.	A.	RS.	A.	P.
1	Superintendent, Rs. 500—50—800 ...	6,800	0	0	6,800	0	0
4	Clerks, between Rs. 50 and 200 ...	3,705	0	0	3,720	0	0
5	Do. below Rs. 50	1,608	0	0	1,608	0	0
4	Servants	612	0	0	612	0	0
	Total, Establishment ...	5,925	0	0	5,940	0	0
	Travelling allowance ...	983	6	8	1,000	0	0

	Volumes
Polychronicon Ranulphi, Higden, Vol. 9	1
Registrum Epistolarum, J. Peckham, Arch. Cant. Vol. 3rd	1
Year Books, Edward III, years XIII and XIV	1

MADRAS,
4th July 1888.

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

E.

LOAN COLLECTION OF PREHISTORIC IMPLEMENTS COLLECTED BY R. B. FOOTE, ESQ., F.G.S., SUPERINTENDENT, GEOLOGICAL SURVEY OF INDIA.

Celts from the Shevaroy Hills, 12 specimens.
Celt hammers from Banda, Central India.
Celts from Banda, Central India.
Celts from the Bellary-Anantapur country.
Celts from the Bellary-Anantapur country.
Celt in second stage, the chip edges reduced by "picking."
Celt from Yunnan, Dr. Anderson's collection made of Jadeite.
Neolithic implements in first and second stages of manufacture, Bellary-Anantapur country.
Strikers.
Pounders.
Chisels.
Slyking stone or slick stone for giving a glass to the surface of woven materials.
Pounders or Pestles from the Bellary-Anantapur country.
Corn crushers from the Bellary-Anantapur country.
Hone or sharpening stone from Gadigama, Bellary district.
Mealing stones from the Bellary-Anantapur country.
Drilled stone from Vemaveram, Nellore district.
Drilled stone from the Southern Mahratta country.
Drilled stone from Valaiankulam, south of Madura.
Toy made by shepherd boys from Halakansli, south of Bellary.
Pendant of bone from the submerged forest Valimukkam, south coast of Madura district.
Valve of unio shell ground at edge found with antique pottery, &c., at Patpad, Banganapalle, Kurnool district.
Slaggy cinder with impressions of straw on the surface.
Part of a chank shell ground on one end, Bellary district.
Two beads—one green quartzite, one red cornelian, Hallakata hill, Siruguppa, Bellary district.
Circular scraper, Kopgal hill, Bellary district.
Scrapers from Kopgal, Bellary district, the same form still used for scraping skins by the Esquimaux.
Scraper flake, Yellapadugu, Gooty taluk, Anantapur, scrapers of chert, Bellary-Anantapur country.
Ruddlestone (soft hæmatite) for rubbing down into red pigment and for rouge, Tornagul hill, Bellary district.
Bead of shell, Patpad, Banganapalle, Kurnool district.
Round bead, red cornelian, Naggaradani hill, Bellary district.
Flint scrapers, English.
Scrapers of chert, Patpad, Banganapalle, Kurnool district.
Scrapers from French bone caves.
Flakes of chert and agate, Kallakata hill, Siruguppa, Bellary district.
Spear head ? worked chert, Parpalla, Kurnool district.
Sling stone from Idapinkal hill, Gooty taluk, Anantapur district.
Sling stone from Patpad, Banganapalle, Kurnool district.
Sling stones from under the Sawyerpuram Teri, Tinnevelly district.
Flake of quartzite, Graham's Town, South Africa.
Flint flake, Hasseris, 8 miles south of Abborg, Denmark.
Flakes from French bone caves.
Small flakes used as lancets, drills, &c., made of chest and agate from various settlements, Bellary-Anantapur country.
Chert flakes, Jabalpur.
Flakes from under the "Teri," Sawyerpuram, Tinnevelly district, 1 of chert, 3 of quartz.
Flakes of green stone, Kopgal hill, Bellary.
Flake of Lydian stone, Helonan near Cairo.
Flake with worked edge, Le-monstier. Bone cave, France.
Leaf-shaped flake of chert, Bantanhal, Sorapur taluk, Nizam's Dominions.
Oval flake knife of flint, Lemonstier. Bone cave, France.
Unfinished implement of chert, Patpad, Banganapalle, Kurnool district.

C-5.

Reports.

	Volumes.
Administration Report of the Bombay Jails for 1886	1
Administration Report of the Jails of Bengal for 1886	1
Administration Reports, 1885 (Part 4, Miscellaneous, Ceylon Museum)	1
Annual Report on the Foreign Trade of the North-Western Provinces and Oudh for 1887	2
Annual Report, with Tabular Statements of the Condition and Management of the Jails in the North-Western Provinces and Oudh for 1886	1
Annual Report of the Madras Court of Small Causes for 1886	1
Annual Report on the Jails of the Hyderabad Assigned Districts for 1886	1
Annual Administration Report of the Forest Department, Madras Presidency, for 1885-86	1
Annual Report on the Government Cinchona Plantation in Bengal for 1886-87	2
Annual Report of the Royal Botanic Garden, Calcutta, for 1886-87	2
Annual Report of the Khandesh Experimental Farm for 1887	2
Annual Report of the Administration of the Land Revenue in Assam for 1886-87	1
Annual Report on the Administration of the Prisons in the Province of Coorg for 1886.	1
Annual Report of the Lunatic Asylums in the Madras Presidency for 1886	1
Annual Report of the Director, Land Records and Agriculture, Bombay Presidency, for 1886-87	2
Annual Report of the Department of Land Records and Agriculture, Assam, for 1886-87	2
Annual Report of the Agricultural Department, Bengal, for 1886-87	2
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Civil Statements of the North-Western Provinces for 1886	1
Criminal Justice Report of Lower Burma for 1886	1
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Indian Meteorological Memoirs, by H. F. Blanford, Vol. 3, Part 2; Vol. 4, Parts 2—4	4
Jeypore Economic and Industrial Museum—Third Report of	1
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Report on Criminal Justice in the Hyderabad Assigned Districts, for 1886	1

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Report of the Commercial Conferences held in the Imperial Court of the Indian Section of the Colonial and Indian Exhibition, 1886	1
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Thirty-fourth Annual Report of the Managing Committee of the Kurrachee Municipal Library and Museum, 1887	2
Trade Report of the North-Western Provinces and Oudh for 1886	2

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Specifications relating to Brewing, Wine-making and Distilling Alcoholic liquors, Part 3, A.D. 1877—1883	1

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Mdu 10729

Govt. of {188 } Madras.

PENSION.

To

THE ACCOUNTANT-GENERAL,

&c., &c., &c.

Dated

Despd.

Rey 23/10/88

G.O.,

Granting

No. 3393 Wal Octo 24. 1888

B

Recorded.

23. 10. 88

23/10/88

PENSION DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following papers:—

From the Superintending Engineer, 1st Circle, dated 13th Augt. 1888, No. 1331 C/D.

Certificate and Report from the Examiner of Public Works Accounts, dated 22nd Sepr. 1888, No. 1011 A/R.

ORDER THEREON 20 October 1888, No. 1333.

Under Sections 106 and 121 (a) —— of the Civil Pension Code (6th Edition), the Right Honorable the Governor in Council is pleased to grant to Bhavana Subbamma, late Lock Lascar, Conservancy Establishment, Godavari Central Division, an Invalid gratuity of Rupees (36-0-0) Thirty six being six months' pay payable at Amalapur

—— in consideration of his qualifying Inferior service of twenty years, nine months, and fifteen days.

(True Extract.)

A. Albuquerque

Ag. *Under Secretary to Government.*

To the Accountant-General, with Register.
" Examiner of Public Works Accounts.
" Public Works Department.
" Superintending Engineer, 1st Circle.
" ~~Collector of~~

2660 W 14/10/88

No. 3394 W of Oct 24. 1888

B

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Govt. of {1888} Madras.

REVENUE.

Issued

Recd. 22/10/88 Encl.

G.O., 11th October 1888, No. 703.

SECRETARY TO GOVERNMENT P.W. DEPARTMENT, MADRAS. 20 OCT.

OCTOBER.

No. 3394 W of Oct 24 1888

Government Central Museum.

Reviewing the report of the — for 1887-88.

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Registrum Epistolarum, J. Peckham, Arch. Cant. Vol. 3rd	1
Year Books, Edward III, years XIII and XIV	1

MADRAS,
4th July 1888.

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

E.

LOAN COLLECTION OF PREHISTORIC IMPLEMENTS COLLECTED BY R. B. FOOTE, ESQ., F.G.S., SUPERINTENDENT, GEOLOGICAL SURVEY OF INDIA.

Celts from the Shevaroy Hills, 12 specimens.
Celt hammers from Banda, Central India.
Celts from Banda, Central India.
Celts from the Bellary-Anantapur country.
Celts from the Bellary-Anantapur country.
Celt in second stage, the chip edges reduced by "picking."
Celt from Yunnan, Dr. Anderson's collection made of Jadeite.
Neolithic implements in first and second stages of manufacture, Bellary-Anantapur country.
Strikers.
Pounders.
Chisels.
Slyking stone or slick stone for giving a glass to the surface of woven materials.
Pounders or Pestles from the Bellary-Anantapur country.
Corn crushers from the Bellary-Anantapur country.
Hone or sharpening stone from Gadigama, Bellary district.
Mealing stones from the Bellary-Anantapur country.
Drilled stone from Vemaveram, Nellore district.
Drilled stone from the Southern Mahratta country.
Drilled stone from Valaiankulam, south of Madura.
Toy made by shepherd boys from Halakansli, south of Bellary.
Pendant of bone from the submerged forest Valimukkam, south coast of Madura district.
Valve of unio shell ground at edge found with antique pottery, &c., at Patpad, Banganapalle, Kurnool district.
Slaggy cinder with impressions of straw on the surface.
Part of a chank shell ground on one end, Bellary district.
Two beads—one green quartzite, one red cornelian, Hallakata hill, Siruguppa, Bellary district.
Circular scraper, Kopgal hill, Bellary district.
Scrapers from Kopgal, Bellary district, the same form still used for scraping skins by the Esquimaux.
Scraper flake, Yellapadugu, Gooty taluk, Anantapur, scrapers of chert, Bellary-Anantapur country.
Ruddlestone (soft hæmatite) for rubbing down into red pigment and for rouge, Tornagul hill, Bellary district.
Bead of shell, Patpad, Banganapalle, Kurnool district.
Round bead, red cornelian, Naggaradani hill, Bellary district.
Flint scrapers, English.
Scrapers of chert, Patpad, Banganapalle, Kurnool district.
Scrapers from French bone caves.
Flakes of chert and agate, Kallakata hill, Siruguppa, Bellary district.
Spear head ? worked chert, Parpalla, Kurnool district.
Sling stone from Idapinkal hill, Gooty taluk, Anantapur district.
Sling stone from Patpad, Banganapalle, Kurnool district.
Sling stones from under the Sawyerpuram Teri, Tinnevelly district.
Flake of quartzite, Graham's Town, South Africa.
Flint flake, Hasseris, 8 miles south of Abborg, Denmark.
Flakes from French bone caves.
Small flakes used as lancets, drills, &c., made of chest and agate from various settlements, Bellary-Anantapur country.
Chert flakes, Jabalpur.
Flakes from under the "Teri," Sawyerpuram, Tinnevelly district, 1 of chert, 3 of quartz.
Flakes of green stone, Kopgal hill, Bellary.
Flake of Lydian stone, Helonan near Cairo.
Flake with worked edge, Le-monstier. Bone cave, France.
Leaf-shaped flake of chert, Bantanhal, Sorapur taluk, Nizam's Dominions.
Oval flake knife of flint, Lemonstier. Bone cave, France.
Unfinished implement of chert, Patpad, Banganapalle, Kurnool district.

Worked flake of chert, Idopinkal, Anantapur district.
Chert flake with a serrated edge, Tripatur, Madura district.
Bones from Midden heaps and cooking places in different settlements.
Palæolithic implement from Joga, Hospet taluk, Bellary district.
Implements of hard limestone, Yedhalli, near Sorapur, Nizam's Dominions.
Palæolithic implement from the laterite Muniyar, Ariyalur taluk, Trichinopoly.
Palæolithic implement of flint, Wangford, Essex, England.
Quartzite sling stone, Palæolithic.
Pottery from Neolithic settlements, Bellary-Anantapur country.
Six Palæolithic implements from gravel beds, Kolakandi, Bellary district.
Quartzite scraper, Palæolithic, from Madgi, Badani taluk, Bijapur district.
Quartzite scraper, Palæolithic, from the valley of the Maneru, Nellore district.
Arrow head of Obsidian, Mexico.
Arrow heads of flint, England and Ireland.
Arrow heads from under the Teri, Sawyerpuram, Tinnevelly.
Flakes of chert resembling arrow heads.
Axe head of copper near the Baragunda copper mine, Hazaribagh district, South-West Bengal.
Four cores of dark chert from Patpad, Banganapalle, Kurnool district.
Core from foot of Daraji hill, Bellary district.
Core from foot of Iddapinkal, Gooty taluk, Anantapur district.
Cores from foot of Yalapadagu, Gooty taluk, Anantapur district.
Four cores (1 agate, 3 chert) from Jabalpur.
Cores from under the "Teri," Sawyerpuram, Tinnevelly district.
Core from a gravel bed south of Mana Madura, Madura district, made of chert much withered.
Ten cores of chert and agate from Hallakota hill, Siruguppa, Bellary district.
Armlet of copper, near the Baragunda copper mine, Hazaribagh district, South-West Bengal.
Cores of chert, Roh, on the Indus, Sind.
Iron implements found buried in a pot with other antiquities, Patpad, Banganapalle, Kurnool district.
Eight celts in first stage from a manufactory on a basaltic trap dyke 20 miles north-west of Tirupatúr, Salem district, badly shaped specimens, probably rejected.

MADRAS,
4th July 1888.

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

From EDGAR THURSTON, Esq., Superintendent, Government Central Museum, to the Secretary to Government, Revenue Department, dated Madras, 27th August 1888, No. 527.

With reference to your official memorandum No. 90, of 8th August 1888, I have the honor to forward, herewith, a classified list of expenditure of the Government Central Museum, during the year 1887-88, to accompany my annual report on the working of the institution.

ENCLOSURE.

CLASSIFIED List of Expenditure of the Government Central Museum, during the year 1887-88.

No. 1887-88.		Actuals, 1887-88.			Revised estimate, 1887-88.		
		RS.	A.	A.	RS.	A.	P.
1	Superintendent, Rs. 500—50—800 ...	6,800	0	0	6,800	0	0
4	Clerks, between Rs. 50 and 200 ...	3,705	0	0	3,720	0	0
5	Do. below Rs. 50	1,608	0	0	1,608	0	0
4	Servants	612	0	0	612	0	0
	Total, Establishment ...	5,925	0	0	5,940	0	0
	Travelling allowance ...	983	6	8	1,000	0	0

No. 1887-88.		Actuals, 1887-88. Rs. A. P.	Revised estimate, 1887-88. Rs. A. P.
	Supplies and Services.		
	Cost of specimens	1,055 9 0	1,000 0 0
	Preparation of fittings, furniture, for the collections	2,700 0 0	3,000 0 0
	Cost of European stores	1,186 5 4	...
	Total ...	4,941 14 4	4,000 0 0
	Cost of books and publications	1,800 0 0	1,800 0 0
	Contingencies.		
	Purchase and repair of furniture ...	200 0 0	200 0 0
	Binding books	300 0 0	300 0 0
	Rents, rates and taxes	1,080 0 0	1,080 0 0
	Postal charges Telegram charges Office expenses and miscellaneous ...	4,605 4 2	4,541 0 0
	Total ...	6,185 4 2	6,121 0 0
	Grand Total ...	26,635 9 2	25,661 0 0

ORDER—dated 11th October 1888, No. 703, Revenue.

Miscellaneous.

His Excellency the Governor in Council has read this report with interest and considers that satisfactory progress was made during the year.

2. The number of visitors to the Museum shows an increase over the previous year, but there was a falling off in attendance as compared with 1885-86. The largest number of visitors in any one month was 47,139 during December 1887 against 26,248 in the corresponding period of 1886-87. The increase in the number of Gosha visitors is noted with satisfaction.

3. The charges during the year amounted to Rs. 26,636 against the revised estimate of Rs. 26,000, not 25,661 as stated by the Superintendent. The expenditure in 1886-87 was Rs. 25,039.

4. The estimate for conversion of one of the godowns into a water-pandal, referred to in paragraph 2 of the report, has already been sanctioned and orders issued for the early execution of the work (G.O., dated 3rd September 1888, No. 5221).

5. In conclusion, His Excellency in Council desires to express his acknowledgments to the various gentlemen who contributed to the Museum.

(True Extract.)

Ag. Secretary to Government.

To the Superintendent, Central Museum.
,, the Public Works Department.
,, the Commissioner of Revenue Settlement and Director of the Department of Land Records and Agriculture.
,, Surgeon-General G. Bidie, M.B., C.I.E.
,, the Government Botanist.

Exd. P. L. Pereira.

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No 3394 W of Oct 24. 1888

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G.O., 11th October 1888, No. 703.

SECRETARY TO GOVERNMENT. P.W. DEPARTMENT, MADRAS. 20 OCT.

OCTOBER.

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Reviewing the report of the — for 1887-88.

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Reports.

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Accessions to the Indian Museum, Appendix A, for 1886, Part 4	4
Charts of the Bay of Bengal	1
Civil Justice Report of Lower Burma for 1886	1
Civil Statements of the North-Western Provinces for 1886	1
Criminal Justice Report of Lower Burma for 1886	1
Criminal Statements of the North-Western Provinces for 1886	1
Crop Experiments, Bombay Presidency, for 1885-86 and 1886-87	4
Cultivation of the Sugarcane in Bombay	2
Department of Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st December 1886	1
Department of Agriculture, Central Provinces—Report on the Nagpur Experimental Farm for 1886-87	1
Department of Land Records, Settlement and Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st March 1887	4
Department of Revenue Settlement and Agriculture, Madras, 1887—Report on the Outturn of early crops	1
Fifth Annual Report of the Board of Trustees, City of Milwaukee, for 1886-87	1
Indian Meteorological Memoirs, by H. F. Blanford, Vol. 3, Part 2; Vol. 4, Parts 2—4	4
Jeypore Economic and Industrial Museum—Third Report of	1
Madras Land Revenue Reports for 1885	1
Memorandum on the Preservation of Grain by Church	4
Memoirs on the Winds and Monsoons of the Arabian Sea and North Indian Ocean, by W. L. Dallas	1
Meteorological Observations recorded at six Stations in India, by Blanford, H. F., for 1887.	1
Monograph on Silk Industry in the Punjab, 1885-86	1
Progress Report of Forest Administration in the Hyderabad Assigned Districts for 1886-87.	2
Queensland Museum—Report of Board of Trustees for 1886	1
Report on the Prison Administration of Lower Burma for 1886	1
Report on Public Instruction in the Madras Presidency for 1885-86, 1886-87	2
Report on the Jails of the Punjab for 1886	1
Report on the Jail Administration of the Province of Assam for 1886	1
Report on the Administration of the Abkári Revenue in the Madras Presidency for 1885-86	1
Report on the Civil Justice in the Hyderabad Assigned Districts, for 1886	1
Report on Criminal Justice in the Hyderabad Assigned Districts, for 1886	1

	Volumes.
Report on the Jails of the Central Provinces for 1886	1
Report on the Cawnpore Experimental Station for the Kharif season for 1886	2
Report on the Operations of the Department of Agriculture and Commerce, North-Western Provinces and Oudh, for 1886	2
Report on the Indian Section of the Colonial and Indian Exhibition for 1886	1
Report of the Commercial Conferences held in the Imperial Court of the Indian Section of the Colonial and Indian Exhibition, 1886	1
Report on the Horticultural Gardens, Lucknow, for 1887	2
Report on the Railway Trade of the North-Western Provinces and Oudh for 1887	2
Report on the Judicial Administration, Civil, of the Central Provinces, for 1886	1
Report on the Judicial Administration, Criminal, of the Central Provinces, for 1886	1
Report on the Administration of Civil Justice in the Punjab and its Dependencies, for 1886.	1
Report on the Administration of Criminal Justice in the Punjab and its Dependencies, 1886.	1
Report on the External Trade of Bengal with Nepal, Tibet, Sikkim and Bhutan for 1886-87	1
Report on Arboriculture in the Hyderabad Assigned Districts for 1886-87	2
Report on the Revenue Administration of the Punjab and its Dependencies for 1886-87.	1
Report on the Progress and Condition of the Government Botanical Gardens at Saharanpur and Mussoorie for 1887	2
Report on the Administration of the Department of Salt Revenue in the Presidency of Fort St. George for 1885-86	1
Reports on the Revenue Administration of Lower Burma for 1886-87	3
Report on the Administration of the Meteorological Department of the Government of India in 1886-87	1
Report on the River-borne Traffic of the Lower Provinces, Bengal, and on the Inland Trade of Calcutta, and on the Trade of Chittagong and the Orissa Ports, with Notes on Road Traffic, 1885-86	1
Report on the Meteorology of India in 1885-86	2
Report on the Administration of the Madras Presidency for 1886-87	1
Report on the Operations of the Department of Land Records and Agriculture, North-Western Provinces and Oudh, for 1887	2
Report on the Administration of Criminal Justice in Oudh for 1886	1
Report on the Administration of Civil Justice in Oudh for 1886	1
Report of the Assistant Director of Agriculture on Tobacco cultivation in Burma during the season of 1885-86	1
Report of the Department of Land Records and Agriculture, Deccan, for 1887	1
Report on the Cawnpore Experimental Station for the Rabi season of 1886-87	2
Report on the Rail-borne Trade of Bengal for 1885-86	1
Report on the Government Agri-Horticultural Gardens, Lahore, for 1886-87	2
Reports on certain samples of the pods of the Divi-divi tree from Bombay	2
Report of certain Tobacco manufacturers in Great Britain and Ireland for 1886	1
Resolution on the Revenue Administration of the Central Provinces for 1885-86	1
Resolution on the Management by Government of Private Estates in the Central Provinces for 1886	1
Returns of Agricultural Statistics of British India for 1885-86	1
Review of the Revenue Administration of the Province of Oudh for 1886	1
Review of Forest Administration in British India for 1885-86	2
Revenue Records, Punjab, on the Wheat crop of the Punjab for 1886-87	1
Scientific Memoirs by Medical Officers of the Army of India, Part 3, for 1887	1
Selections from the Records of the Mysore Government for 1887	2
Selections from the Records of the Government of India, Home Department, for 1885-86.	1
Supplement to the Australian Museum Report for 1886	2
Thirty-fourth Annual Report of the Managing Committee of the Kurrachee Municipal Library and Museum, 1887	2
Trade Report of the North-Western Provinces and Oudh for 1886	1

C-6.

Patent Office Papers.

	Volumes.
Alphabetical Index of Patents and Applicants for Patents of Inventions, from January to October 1886	2
Index of Applicants for Patents of Inventions for 1886	1
Index of Applicants for Patents of Inventions, from January to September 1887	6
Specifications relating to Sewing and Embroidering, Part 2, A.D. 1867—76	1
Specifications relating to Brewing, Wine-making and Distilling Alcoholic liquors, Part 3, A.D. 1877—1883	1

	Volumes.
Specifications and Drawings, Vols. 33 to 60 and 70 to 81, for 1885	40
Specifications and Drawings, Vols. 1 to 32 for 1886	32
Subject-matter Index of Applications for Letters Patent, from January to November 1886	3
Subject-matter Index of Applications for Letters Patent, from January to September 1887	6

D-1.

LIST OF BOOKS ADDED TO THE SCIENTIFIC LIBRARY.

By Purchase (Standard Works).

	Volumes.
Barraude, F. J., Systeme Silurien du Centre de La Boheme, Vol. 7, 1887	1
Beddard, F. E.—The Zoological Record for the year 1886, Vol. 23	1
Iconographie der Schalentragenden Europaischen Meeresconchylien, by Dr. W. Kobelt Heft, 6 and 7	1
Semper, Dr. C., Reisen in Archipel deo Philippinen Zweiter Theil die Marseniaden, Supt. Heft 4, 1887	1
Semper, Dr. C., Reisen in Archipel der Philippinen Zweiter Theil die Tagfalter Rhopalacera	1

D-2.

Periodicals.

Annals and Magazine of Natural History	Nos. 111 to 120 for 1887; Nos. 1 and 2 for 1888.
Annales de la Societe Entonologique de France.	No. 4 for 1886; Nos. 1 to 3 for 1887.
Annales des Sciences Naturelles, Botanique	Vols. 5 and 6 for 1887.
Annales des Sciences Naturelles, Zoologie	Vols. 3 and 4 for 1887.
Bulletin de la Société Imperiale de Moscou	No. 4 for 1886.
Ibis—A Quarterly Journal of Ornithology	Nos. 17 to 20 for 1887; No. 21 for 1888.
Journal de Conchyliologie	Vol. 35, Nos. 1 to 4 for 1887.
Journal of the Linnean Society, Botany	Nos. 152 to 154 for 1886 Nos. 158 to 161 for 1887.
Journal of the Linnean Society, Zoology	Nos. 127 to 137 for 1887.
Nature—A Weekly Illustrated Journal of Science.	Vols. 35-36, Nos. 906 to 939 for 1886-87; Vol. 37, Nos. 940 to 959 for 1887-88.
Nouvelle's Archives du Museum d' Histoire Naturelle.	No. 2 for 1886; No. 1 for 1887.
Proceedings of the Zoological Society	No. 4 for 1886; Nos. 1 to 3 for 1887.
Quarterly Journal of the Geological Society	Nos. 169 to 172 for 1887.
Transactions of the Entomological Society	Nos. 1 to 4 for 1887.
Transactions of the Entomological Society, Botany.	Vol. 2, No. 10 for 1885-86.
Transactions of the Palæontographical Society.	Vols. 40-41 for 1886-87, 2 Vols.

D-3.

By Gift (Standard Works).

	Volumes.
A General Guide to the British Museum (Natural History)	1
Ancient Egyptian texts from the Coffin of Amamu in the British Museum, folio	1
Catalogue of the Fossil Mammalia in the British Museum, Part 4, by R. Lydekker	1
Catalogue of Bengali Printed books in the British Museum	1
Catalogue of Lizards, Second edition, Vol. 3rd, by G. A. Boulenger	1
Catalogue of Coins of the Sháhs of Persia in the British Museum	1
Guide to the Galleries of Reptiles and Fishes	1

D-4.

Fish Library.

	Volumes.
Correspondence relative to the North American Fisheries, 1884—87	2
Fifth Annual Report of the Fishery Board for Scotland for the year 1886	1

	Volumes.
First Annual Report of the Inspector of Sea Fisheries, England and Wales, for the year 1886	1
Report of the Inspectors of Irish Fisheries of the Sea and Inland Fisheries of Ireland for 1886	1
Sea Fisheries of the United Kingdom	1
Summary of Reports by Officers of the Fishery Board in Scotland	1
Twenty-sixth Annual Report of the Inspectors of Fisheries, England and Wales, for the year 1886	1
United States Commission of Fish and Fisheries. The Fishery Industries by Goode, G. B.	2

D-5.

Blue Books.

	Volumes.
Convention between Her Majesty and His Majesty the Emperor of China relating to Burma and Thibet	1
Correspondence respecting the Ruby Mines of Upper Burma, No. 2, 1887	1
Correspondence respecting the Affairs of Central Asia, No. 1 (1887)	1
East India (Abkári Administration)	1
East India Accounts and Estimates, 1887-88	1
East India (Abkári Administration, Tannah and Kolaba)	1
East India (Contagious Diseases Acts)	1
East India Estimate for 1886-87	1
East India Loans raised in India	2
East India Loans raised in England	2
East India (Home Accounts)	1
East India Financial Statement, 1887-88	1
Further Correspondence relating to Burma, No. 1, 1887	1
Gold and Silver—First Report of the Royal Commission	1
India Public Service Commission—Extract from the Proceedings of the Government of India	1
Military Executions and Dacoity in Burma, No. 2 (1886)	1
Post Office Mail Contract (East India and China)	1
Proceedings of the Colonial Conference (1887), Vols. 1 and 2	2
Records of the India Office, by J. C. Danvers, Vol. 1, Part 1	1
Report of the Royal Commission for the Colonial and Indian Exhibition, 1886	1
Report from the Select Committee on Forestry	1
Report on Sanitary Measures in India in 1885-86, Vol. 19	1
Report by Mr. H. E. Fulford of a Journey in Manchuria, China, No. 2 (1887)	1
Second Report of the Royal Commissioners on Technical Institution, Vol. 5	1
Seventeenth Annual Report of the Deputy Master of the Mint, 1886	1
Statistical Abstract relating to British India from 1876-77 to 1885-86, 21st number	1
Statement of the Trade of British India for the years 1880-81 to 1884-85	1
Statement of the Trade of British India with British Possessions and Foreign Countries for the five years 1881-82 to 1885-86	1

D-6.

Trübner's Oriental Series.

	Volumes.
E. H. Whinfield, Masnavi I Mánavi	1
F. H. Balfour, Chinese Scrapbook	1
J. Jolly, Manava Dharma Sastra	1
Miscellaneous Papers relating to Indo-China	2
R. N. Cust, Linguistic and Oriental Essays	1

D-7.

Record Publications from the Master of the Rolls.

	Volumes.
Calendar of Documents, Ireland, 1302-1307	1
Calendar of State Papers, Spanish, 1534-35	1
Chronicon Abbatiæ Rameseiensis	1
Chartularies, &c., St. Mary's Abbey, Dublin, Vol. 2nd	1
Cartularium Monasterie de Rameseia, Vol. 2nd	1
Letters and Papers, Foreign and Domestic, Henry 8th, Vol. 9, 1535	1

	Volumes
Polychronicon Ranulphi, Higden, Vol. 9	1
Registrum Epistolarum, J. Peckham, Arch. Cant. Vol. 3rd	1
Year Books, Edward III, years XIII and XIV	1

MADRAS,
4th July 1888.

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

E.

LOAN COLLECTION OF PREHISTORIC IMPLEMENTS COLLECTED BY R. B. FOOTE, ESQ., F.G.S., SUPERINTENDENT, GEOLOGICAL SURVEY OF INDIA.

Celts from the Shevaroy Hills, 12 specimens.
Celt hammers from Banda, Central India.
Celts from Banda, Central India.
Celts from the Bellary-Anantapur country.
Celts from the Bellary-Anantapur country.
Celt in second stage, the chip edges reduced by "picking."
Celt from Yunnan, Dr. Anderson's collection made of Jadeite.
Neolithic implements in first and second stages of manufacture, Bellary-Anantapur country.
Strikers.
Pounders.
Chisels.
Slyking stone or slick stone for giving a glass to the surface of woven materials.
Pounders or Pestles from the Bellary-Anantapur country.
Corn crushers from the Bellary-Anantapur country.
Hone or sharpening stone from Gadigama, Bellary district.
Mealing stones from the Bellary-Anantapur country.
Drilled stone from Vemaveram, Nellore district.
Drilled stone from the Southern Mahratta country.
Drilled stone from Valaiankulam, south of Madura.
Toy made by shepherd boys from Halakansli, south of Bellary.
Pendant of bone from the submerged forest Valimukkam, south coast of Madura district.
Valve of unio shell ground at edge found with antique pottery, &c., at Patpad, Banganapalle, Kurnool district.
Slaggy cinder with impressions of straw on the surface.
Part of a chank shell ground on one end, Bellary district.
Two beads—one green quartzite, one red cornelian, Hallakata hill, Siruguppa, Bellary district.
Circular scraper, Kopgal hill, Bellary district.
Scrapers from Kopgal, Bellary district, the same form still used for scraping skins by the Esquimaux.
Scraper flake, Yellapadugu, Gooty taluk, Anantapur, scrapers of chert, Bellary-Anantapur country.
Ruddlestone (soft hæmatite) for rubbing down into red pigment and for rouge, Tornagul hill, Bellary district.
Bead of shell, Patpad, Banganapalle, Kurnool district.
Round bead, red cornelian, Naggaradani hill, Bellary district.
Flint scrapers, English.
Scrapers of chert, Patpad, Banganapalle, Kurnool district.
Scrapers from French bone caves.
Flakes of chert and agate, Kallakata hill, Siruguppa, Bellary district.
Spear head ? worked chert, Parpalla, Kurnool district.
Sling stone from Idapinkal hill, Gooty taluk, Anantapur district.
Sling stone from Patpad, Banganapalle, Kurnool district.
Sling stones from under the Sawyerpuram Teri, Tinnevelly district.
Flake of quartzite, Graham's Town, South Africa.
Flint flake, Hasseris, 8 miles south of Abborg, Denmark.
Flakes from French bone caves.
Small flakes used as lancets, drills, &c., made of chest and agate from various settlements, Bellary-Anantapur country.
Chert flakes, Jabalpur.
Flakes from under the "Teri," Sawyerpuram, Tinnevelly district, 1 of chert, 3 of quartz.
Flakes of green stone, Kopgal hill, Bellary.
Flake of Lydian stone, Helonan near Cairo.
Flake with worked edge, Le-monstier. Bone cave, France.
Leaf-shaped flake of chert, Bantanhal, Sorapur taluk, Nizam's Dominions.
Oval flake knife of flint, Lemonstier. Bone cave, France.
Unfinished implement of chert, Patpad, Banganapalle, Kurnool district.

C-5.

Reports.

	Volumes.
Administration Report of the Bombay Jails for 1886	1
Administration Report of the Jails of Bengal for 1886	1
Administration Reports, 1885 (Part 4, Miscellaneous, Ceylon Museum)	1
Annual Report on the Foreign Trade of the North-Western Provinces and Oudh for 1887	2
Annual Report, with Tabular Statements of the Condition and Management of the Jails in the North-Western Provinces and Oudh for 1886	1
Annual Report of the Madras Court of Small Causes for 1886	1
Annual Report on the Jails of the Hyderabad Assigned Districts for 1886	1
Annual Administration Report of the Forest Department, Madras Presidency, for 1885-86	1
Annual Report on the Government Cinchona Plantation in Bengal for 1886-87 ...	2
Annual Report of the Royal Botanic Garden, Calcutta, for 1886-87	2
Annual Report of the Khandesh Experimental Farm for 1887	2
Annual Report of the Administration of the Land Revenue in Assam for 1886-87 ...	1
Annual Report on the Administration of the Prisons in the Province of Coorg for 1886.	1
Annual Report of the Lunatic Asylums in the Madras Presidency for 1886	1
Annual Report of the Director, Land Records and Agriculture, Bombay Presidency, for 1886-87	2
Annual Report of the Department of Land Records and Agriculture, Assam, for 1886-87	2
Annual Report of the Agricultural Department, Bengal, for 1886-87	2
Annual Report of the Madras Medical College for 1886-87	1
Annual Report of the Department of Revenue Settlement and Agriculture, Madras, for 1885-86	1
Annual Report on the Progress and Condition of the Mysore Government Museum for 1887	1
Annual Report of the Government Experimental Farm, Hyderabad, Sind, for 1887 ...	2
Annual Returns of the Civil Hospitals and Dispensaries in the Madras Presidency for 1886-87	1
Annual Volume of the Sea-borne Trade and Navigation of the Madras Presidency for 1886-87	1
Accessions to the Indian Museum, Appendix A, for 1886, Part 4	4
Charts of the Bay of Bengal	1
Civil Justice Report of Lower Burma for 1886	1
Civil Statements of the North-Western Provinces for 1886	1
Criminal Justice Report of Lower Burma for 1886	1
Criminal Statements of the North-Western Provinces for 1886	1
Crop Experiments, Bombay Presidency, for 1885-86 and 1886-87	4
Cultivation of the Sugarcane in Bombay	2
Department of Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st December 1886	1
Department of Agriculture, Central Provinces—Report on the Nagpur Experimental Farm for 1886-87	1
Department of Land Records, Settlement and Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st March 1887	4
Department of Revenue Settlement and Agriculture, Madras, 1887—Report on the Out-turn of early crops	1
Fifth Annual Report of the Board of Trustees, City of Milwankee, for 1886-87 ...	1
Indian Meteorological Memoirs, by H. F. Blanford, Vol. 3, Part 2 ; Vol. 4, Parts 2—4 ...	4
Jeypore Economic and Industrial Museum—Third Report of	1
Madras Land Revenue Reports for 1885	1
Memorandum on the Preservation of Grain by Church	4
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Meteorological Observations recorded at six Stations in India, by Blanford, H. F., for 1887.	1
Monograph on Silk Industry in the Punjab, 1885-86	1
Progress Report of Forest Administration in the Hyderabad Assigned Districts for 1886-87.	2
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Report on the Jails of the Punjab for 1886	1
Report on the Jail Administration of the Province of Assam for 1886	1
Report on the Administration of the Abkári Revenue in the Madras Presidency for 1885-86	1
Report on the Civil Justice in the Hyderabad Assigned Districts, for 1886	1
Report on Criminal Justice in the Hyderabad Assigned Districts, for 1886	1

1887-88.	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	3,275	10,483	13,758	8,211	5,547	13,758
May	4,176	10,934	15,110	9,274	5,836	15.110
June	6,001	14,971	20,972	13,820	7,152	20,972
July	4,507	13,507	18,014	10,925	7,089	18,014
August	5,435	15,845	21,280	13,162	8,118	21,280
September	4,324	14,431	18,755	11,301	7,454	18,755
October	3,568	13,236	16,804	9,829	6,975	16,804
November	4,443	12,964	17,407	10,748	6,659	17,407
December	7,652	39,487	47.139	24,757	22,382	47,139
January	6,417	29,229	35,646	19,698	15,948	35,646
February	4,352	15,748	20,100	12,708	7,392	20,100
March	4,573	14,624	19,197	11,307	7,890	19,197
Total ..	58,723	205,459	264,182	155,740	108,442	264,182

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List of Books added to the Public Library.

1.—*By Purchase* (*Standard Works*).

	Volumes.
Agassiz, Monographies D'Echinodermes Vivans et Fossiles	1
Agricultural Pests of India, by Balfour, E.	1
Alwis, Rev. C.—History of the Island of Lanka	1
Arnold, Edwin—Poetical Works of	6
Arnold, Edwin—India revisited	1
Burmese Scripture on Cadjan	1
Ceylon—A General Description of the Island, Historical, Physical, Statistical, by an Officer, late of the Ceylon Rifles	2
Church, A. H.—Food-grains of India	1
Claus and Sedgwick Elementary Text Book of Zoology	2
Curtis' Botanical Magazine, Vol. 43, for 1887	1
Darwinism Tested by Language, by F. Bateman	1
De Candolle Monographiæ Phanerogamarum, Vol. 5, Part 2	1
Depths of the Sea, by Wyville Thomson	1
Distinguished Anglo-Indians, by W. F. B. Laurie	1
Eastern Carpets, by Vincent Robinson	1
Encyclopædia Britannica, Vol. 22nd	1
Fauna and Flora Des Golfes Von Neapel	1
Geddes, M.—History of the Church of Malabar	7
Geddes, M.—History of the Church of Ethiopia	1
Gcherzer, Reiffe Der Novara um Die Erde, Erster Band	1
Gutzlaff's Sketch of Chinese History	2
Hæckel System Des Craspedoten	2
Heber, R.—Narrative of a Journey through the Upper Provinces of India	2
Hincks, T.—History of the British Marine Polyzoa	3
Indian Ferns, by C. E. Baynes	2
Initial Coinage of Bengal, by Edward Thomas	1
Inglis, D.—Spain in 1830	1
Jenyns, Rev. F. G.—A Book about Bees	2
Jerdon's Illustrations of Fishes	1
Lee, A. B.—The Microtomist's Vade Mecum	1
Leuckart, Rudolf—The Parasites of Man	1
Life and Letters of Charles Darwin	1
Lotus and Jewel, by E. Arnold	3
Manual of Ethnology, by C. L. Brace	1
Map of the Island of Ceylon	1
Marion's Practical Guide to Photography ... ... Map	1
Nomenclature of Color for Naturalists by Ridgway, R., 1886	1
Now and Then, by Samuel Warren	1
Oakely, R. B.—The Pagoda of Hallibeed, folio	1
Oostindische Voyagien	2

	No.
Smart, Captain—	
Insects from Elephanta	10
Spence, Lieutenant, Gun Powder Factory, Madras—	
Caterpillar	1
South Canara, the Collector of—	
Gold coins	3
Steavenson, J., Esq.—	
Insect (Cerambyx sp.) 1	2
A curiously flattened Casuarina stem 1	
Stephenson, A. E., Esq.—	
Abnormal chicken 1	2
Egg 1	
Tanjore, Collector of—	
Gold coins	7
Taylor, Captain J. H.—	
Chola copper coins	4
Thomas, H. S., Esq.—	
Fresh water fishes from Kodaikánal.—	
Thomas, Miss, Nungumbaukum—	
The Indian Koel (Eudynamis orientalis).	
Thorowgood, F. N., Esq., Nungumbaukum—	
Russell's Viper (Daboia elegans)	1
Tracy, Rev. J., Tirumangalam—	
Specimens of pottery from Paravai	2
Tufnell, Captain R. H. C.—	
Reptiles and Batrachians from Kodaikánal ... ... }	Collection.
Lepidoptera from Palni Hills ... ... }	
Vadanayagam Pillay, M.R.Ry.—	
Specimen of fossil wood	1
Váyalpád Taluk, Sub-Collector of—	
Gold coin	1
Venkaya Royadu, Maharajah, B.—	
Fossil shells	13
Wicks, Captain G., Port officer, Mangalore—	
Bird (Sterna javanica) 1	3
Fish (Balistes erythrodon) 1	
„ (Ichthyscopos inermis) 1	

B.

Visitors to the Government Central Museum from 1st April 1887 to 31st March 1888.

1887-88.	Signatures made in											
	English.	Telugu.	Hindustani.	Tamil.	Mahratta.	Nagaree.	Guzerattee.	Canarese.	Chinese.	Singalese.	Malayalam.	Bengalee.
1	2	3	4	5	6	7	8	9	10	11	12	13
April	1,665	333	135	1,084	14	5	13	8	..	..	18	..
May	2,460	314	145	1,204	2	5	12	18	..	1	15	..
June	2,815	626	242	2,236	10	4	23	33	2	..	10	..
July	2,039	463	197	1,702	8	15	28	2	..	..	53	..
August	2,273	589	350	2,080	21	7	38	12	..	..	65	..
September	2,000	362	122	1,731	13	4	21	16	..	..	51	4
October	1,386	328	107	1,648	9	5	5	16	..	..	64	..
November	1,973	482	334	1,494	2	18	34	50	..	..	56	..
December	4,220	574	237	2,306	19	30	115	42	..	3	103	3
January	3,425	606	298	1,879	18	31	57	*32	..	..	65	6
February	2,184	409	222	1,439	8	9	18	24	..	..	39	..
March	2,164	472	258	1,545	9	10	46	15	3	5	43	3
Total ..	28,604	5,558	2,647	20,348	133	143	410	268	5	9	582	16

	Volumes.
Ormerod, E. A —Report on Injurious Insects	1
Percival's, P., Rev.—Tamil Proverbs with English Translation	1
Physiography, an Introduction to the Study of Nature, by T. H. Huxley	1
Price, M. D.—Memoirs of the Emperer Jahangheir	1
Quarterly Journal of Microscopical Science, Nos. 102 to 108	7
Recent Polar Voyages—A Record of Adventure and Discovery	1
Skeen, W.—Early Typography	1
Standard Pronouncing Dictionary of the English Language by Nuttall, P. A	1
Stewart, C.—Memoirs of the Moghul Emperor Humayun	1
Streeter, C. W.—Pearls and Pearling Life	1
Tank Angling in India, by H. S. Thomas	1
The British Isles, by E. Reclus	1
The Copper, Tin and Bronze Coinage and Patterns for coins of England	1
The Ocean, by E. Reclus	1
Thomas, E.—Early Sassanian Inscriptions, Seals and Coins	1
Transactions of the Internationl Congress of Prehistoric Archæology, 1868	1
Wheeler, J. T.—India under British Rule	1

C-2.

Periodicals.

American Naturalist—Nos. 1 to 12 for 1887, October wanting.
Annual Register—for 1886.
Asiatic Journal and Monthly Register from the year 1825 to 1836—Vols. 31.
Asylum Press Almanac for 1888.
Illustrated London News—Vols. 91-92, for 1887-88.
Journal of the Royal Asiatic Society of Great Britain and Ireland—Vol. 19, for 1887.
London Times, Weekly Edition—Nos. 536 to 583, for 1887-88.

C-3.

By Gift (Standard Works).

	Volumes.
Albertic Theorem, by Venkaya Royadu, B	1
Archæological Survey of India Reports, Vol. 23rd, Punjab and Rajputana, 1883-84, by Garrick	1
Archæological Survey of India Reports, by Cunningham, Vols. 1 to 23, with General Index	1
Buckler, W.—Larvæ of British Butterflies and Moths, Vols. 1 and 2	2
Candles, by G. Watt	2
Catalogue of the Moths of India, by E. C. Cotes, Parts 1 and 2	2
Catalogue Des Plantes Des Jardins Coloniaux, Pondicherry	1
Cyclone Memoirs, Part 1, Bay of Bengal, May 20th—28th, 1887	1
Civil Travelling Code, Chapters 1 to 15 only, Provisional issue	1
Descriptive Catalogue of the Medusæ of the Australian Seas, by R. V. Lendenfeld	1
Description of Roman Imperial Aurei, by Caldwell	1
Department of Agriculture Report, 1886	1
First Report on the Collection of Birds in the Colombo Museum	1
Geological Annual Report, Vol. 1, 1885	1
Hooper, Gums, Resins and other Economic Products in the Mysore Government Museum—Notes on the	1
Hooker's Flora of British India, Parts 13 and 14	2
Imperial Gazetteer of India, by W. W. Hunter, Vols. 9, 10, 11	3
King, New Species of Ficus from New Guinea	1
Lepidoptera of Ceylon, by F. Moore, Part 13	1
List of Photographs of Ancient Buildings and Antiquities, Madras	1
List of Notifications and Rules	1
List of Wood Specimens in the Museum of the Central Forest Office, Madras	1
Madras Meridian Circle Observations, 1862—1864	1
Manava Dharma Sastra, by V. N. Mandlike	3
Manual of the Coimbatore District, by F. A. Nicholson	1
Manual of the Geology of India, Part 4, Mineralogy, by F. R. Mallet	1
Manual of Malabar, Vol. 2, by W. Logan	2
Map of India showing density of Population	1
"My Children," Part 1, Their Health	1
New Law of Oscillation and a New Theory of Tides, Winds, &c., by Venkaya Royadu	1

	Volumes.
Notices of Sanskrit Manuscripts by Rajendralala Mitra, Vol. 4, Part 2; Vols. 5 to 8 and Vol. 9, Part 1, Nos. 13 to 22 for 1877 to 1886-87	10
Numismatique Des Indes Neerlandaises	1
Paper-making, by Cross, C. F., and Bevan, E. J.	1
Photograph of the Eight-branched Palmyra Palm near Tanjore	1
Photograph of the largest Car in South India, Tiruválúr in Tanjore, decorated for the Festival	1
Pictorial Tour round India	1
Preservation of National Monuments, India, Agra and Gwalior	1
Preservation of National Monuments, Delhi	1
Preservation of National Monuments, Meywar	1
Preservation of National Monuments, Buildings in the Punjab	1
Preservation of National Monuments, India; Great Temple to Siva and his Consort at Madura	1
Preservation of National Monuments, India, Græco-Buddhist Sculptures from Yusufzai.	1
Preservation of National Monuments, India, Temples at Trichinopoly	1
Preservation of National Monuments, India, Tomb of Jahangir at Shahdara near Lahore	1
Preservation of National Monuments, India, Golden Temple at Amritsar, Punjab	1
Preservation of National Monuments, India, Great Buddhist Tope at Sanchi	1
Religious Reform, Parts 1 and 2, Philosophic Hinduism	2
Report on the Search for Sanscrit Manuscript in the Bombay Presidency by Bhandarkar, R. G., 1883-84	1
Report on the Scientific results of the Exploring voyage of the *Challenger*, H. M. S., 1873—76, Botany, Vol. 2nd	1
Report on the Scientific results of the Exploring voyage of the *Challenger*, H. M. S., 1873—76, Zoology, Vols. 17 to 22	9
Smithsonian Report, 1885, Part 1	1
Species of Loranthus indigenous to Perak, by G. King	1
The Entomologist, 1887, Nos. 288 and 289	2
The Buddhist Stupas of Amarávati and Jaggayapet in the Kistna district, Madras Presidency, by J. Burgess	1
Thomas—The Pearl Oyster of the Gulf of Manaar	1
United States Department of Agriculture—Fourth Report of the United States Entomological Commission, by Riley, V.	1
United States Department of Agriculture—Reports of Observations and Experiments in the Practical work of the Division, Nos. 13 and 14	4
United States Department of Agriculture, Division of Entomology—The Icerya or Fluted scale or cottony cushion, scale No. 15	2
United States Department of Agriculture—Work of the Division of Entomology for the Season of 1885, No. 12	1
Watts', G.—Report on Indian Fibres and Fibrous substances	1
Woods—Catalogue of, in the Mysore Government Museum	1

C-4.

Periodicals (By Gift).

Avifauna of British India and its Dependencies, by James Murray, Parts 2 and 3, for 1887.
Fort St. George Gazette, Nos. 13 to 49 for 1887; Nos. 1 to 13 for 1888.
Gazette of India, Nos. 13 to 53 for 1887; Nos. 1 to 12 for 1888.
Indian Antiquary by Burgess, J., Vol. 16 for 1887.
Journal of the Asiatic Society of Bengal, Part 1, Nos. 1 and 2; Part 2, Nos. 1 and 2 for 1887.
Journal of the Bombay Branch of the Royal Asiatic Society, Vol. 17, No. 46 for 1887.
Journal of Indian Art, Parts 17 to 21.
Madras Journal of Literature and Science, by Tufnell, R. H C., Part 1 for 1886-87.
Memoirs of the Geological Survey of India (Palæontologia Indica), Vol. 4, S. 10—13.
Memoirs of the Geological Survey of India, Vol. 24, Part 1.
Oesterreichische Monatsschrift fur den orient, Nos. 2 to 5, 9, 10, 11 and 12 for 1887.
Proceedings of the Asiatic Society of Bengal, Nos. 1 to 8 for 1887.
Quarterly Journal of Veterinary Science in India, Nos. 17—22 for 1886-87.
Records of the Geological Survey of India, Nos. 1—4 for 1887.
Statement of Imports and Exports, March to December 1887, January and February 1888.
The Pandit—A monthly publication devoted to Sanscrit Literature, Nos.1 to 12 for 1887.
The Indian Annals and Magazine of Natural Science by Murray, J. A., Vol. 1, Nos. 1—3 for 1887.

C-5.

Reports.

	Volumes.
Administration Report of the Bombay Jails for 1886	1
Administration Report of the Jails of Bengal for 1886	1
Administration Reports, 1885 (Part 4, Miscellaneous, Ceylon Museum)	1
Annual Report on the Foreign Trade of the North-Western Provinces and Oudh for 1887	2
Annual Report, with Tabular Statements of the Condition and Management of the Jails in the North-Western Provinces and Oudh for 1886	1
Annual Report of the Madras Court of Small Causes for 1886	1
Annual Report on the Jails of the Hyderabad Assigned Districts for 1886	1
Annual Administration Report of the Forest Department, Madras Presidency, for 1885-86	1
Annual Report on the Government Cinchona Plantation in Bengal for 1886-87	2
Annual Report of the Royal Botanic Garden, Calcutta, for 1886-87	2
Annual Report of the Khandesh Experimental Farm for 1887	2
Annual Report of the Administration of the Land Revenue in Assam for 1886-87	1
Annual Report on the Administration of the Prisons in the Province of Coorg for 1886.	1
Annual Report of the Lunatic Asylums in the Madras Presidency for 1886	1
Annual Report of the Director, Land Records and Agriculture, Bombay Presidency, for 1886-87	2
Annual Report of the Department of Land Records and Agriculture, Assam, for 1886-87	2
Annual Report of the Agricultural Department, Bengal, for 1886-87	2
Annual Report of the Madras Medical College for 1886-87	1
Annual Report of the Department of Revenue Settlement and Agriculture, Madras, for 1885-86	1
Annual Report on the Progress and Condition of the Mysore Government Museum for 1887	1
Annual Report of the Government Experimental Farm, Hyderabad, Sind, for 1887	2
Annual Returns of the Civil Hospitals and Dispensaries in the Madras Presidency for 1886-87	1
Annual Volume of the Sea-borne Trade and Navigation of the Madras Presidency for 1886-87	1
Accessions to the Indian Museum, Appendix A, for 1886, Part 4	4
Charts of the Bay of Bengal	1
Civil Justice Report of Lower Burma for 1886	1
Civil Statements of the North-Western Provinces for 1886	1
Criminal Justice Report of Lower Burma for 1886	1
Criminal Statements of the North-Western Provinces for 1886	1
Crop Experiments, Bombay Presidency, for 1885-86 and 1886-87	4
Cultivation of the Sugarcane in Bombay	2
Department of Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st December 1886	1
Department of Agriculture, Central Provinces—Report on the Nagpur Experimental Farm for 1886-87	1
Department of Land Records, Settlement and Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st March 1887	4
Department of Revenue Settlement and Agriculture, Madras, 1887—Report on the Out-turn of early crops	1
Fifth Annual Report of the Board of Trustees, City of Milwankee, for 1886-87	1
Indian Meteorological Memoirs, by H. F. Blanford, Vol. 3, Part 2 ; Vol. 4, Parts 2—4	4
Jeypore Economic and Industrial Museum—Third Report of	1
Madras Land Revenue Reports for 1885	1
Memorandum on the Preservation of Grain by Church	4
Memoirs on the Winds and Monsoons of the Arabian Sea and North Indian Ocean, by W. L. Dallas	1
Meteorological Observations recorded at six Stations in India, by Blanford, H. F., for 1887.	1
Monograph on Silk Industry in the Punjab, 1885-86	1
Progress Report of Forest Administration in the Hyderabad Assigned Districts for 1886-87.	2
Queensland Museum—Report of Board of Trustees for 1886	1
Report on the Prison Administration of Lower Burma for 1886	1
Report on Public Instruction in the Madras Presidency for 1885-86, 1886-87	2
Report on the Jails of the Punjab for 1886	1
Report on the Jail Administration of the Province of Assam for 1886	1
Report on the Administration of the Abkári Revenue in the Madras Presidency for 1885-86	1
Report on the Civil Justice in the Hyderabad Assigned Districts, for 1886	1
Report on Criminal Justice in the Hyderabad Assigned Districts, for 1886	1

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The specimen of Tupaia ellioti was obtained on the Shevaroy Hills by Mr. W. M. Daly, to whom the Museum is indebted for the donation. The type specimens of this species were obtained by the late Sir Walter Elliot from the Eastern Ghâts between Nellore and Cuddapah.

A specimen of a skull and horns of the wild buffalo (*Bubalus arni*) was acquired by purchase. The length of the line from tip to tip of the horns is 8 feet $7\frac{1}{2}$ inches, and the length of the horns round the outside of them and across the forehead 12 feet 2 inches. In a specimen of the same animal from Central Assam in the British Museum, the same measurements are as follows :—

	FT.	IN.
Length of the horns round the outside of them and across the forehead	12	2
Length of line from tip to tip of the horns	6	8

11. Ethnology and Antiquities.—To Mr. R. Bruce-Foote, Superintendent of the Geological Survey of India, the Museum is indebted for the loan of a portion of his beautiful collection of neolithic and palæolithic implements, celts, corn-crushers, cores, flakes, &c., found in Southern India.

In June 1887 Mr. A. Rea, First Assistant, Archæological Survey Department, proceeded to Pallávaram to attempt the removal of one or more of the ancient pottery sarcophagi to the Museum. From the unwieldiness and fragility of these tombs, the work was expected to be of great difficulty, if not impossibility, as all those hitherto discovered were completely covered with cracks, some of them having not even a square foot of unbroken surface. By the exercise of very great care, however, two of them were safely transferred to the Museum. Of these, one was a pyriform tomb about 2 feet in diameter and 3 feet 6 inches in depth. Around the rim were traces of a cover which had once closed it, being exactly like another semi-globular chatty inverted and placed over the top. A quantity of unburnt human bones were found lying below the earth and stones which filled the tomb. The other was an oblong tomb 6 feet long, 1 foot 8 inches deep, and 1 foot 6 inches broad, and had two rows of legs. It had a number of cracks over its surface, which were cemented together. These tombs have been set up in the gallery of antiquities.

12. The Right Honorable the Governor visited the Museum during the year.

(Signed) EDGAR THURSTON,
Supdt., Govt. Central Museum.

Government Central Museum,
Egmore,
Madras, 4th July 1888.

APPENDICES.

A.

GENERAL LIST OF THE CONTRIBUTIONS, &C., RECEIVED FOR THE GOVERNMENT CENTRAL MUSEUM FROM 1ST APRIL 1887 TO 31ST MARCH 1888.

	NO.
Agri.-Horticultural Society, Honorary Secretary—	
Rope and basket made out of "pish" (*Chamœrops Ritchicana*) leaves ...	...
Arbuthnot and Company, Messrs., Proprietors, Madras Portland Cement Works—	
Specimens of Madras Portland Cement	5
Baker, Captain—	
Fish (Stegostoma tigrinum)	1
Bartlett, W. H., Esq.—	
Woodpecker (Brachypternus chrysonotus)	1
Bellary, District Magistrate of—	
Brass coins	13
Bidie, Surgeon-General G., M.B.,C.I.E.—	
Palmyra fibre baskets used for carrying onions on boardship at Tuticorin ...	3
Bond, Master, H.—	
Moth	1
Bourne, Dr. A. G.—	
Frog (Ixalus variabilis.) 1	2
Fish (Muræna tessellata) 1	
Cammiade, Master—	
Egg	1
Carter, H. R. P., Esq.—	
South Indian Hedgehog (Erinaceus micropus)	2
Coimbatore, Collector of—	
Silver coins	14
Curtis, Colonel—	
Batrachian (Ixalus variabilis)	1
Daly, William Mahon, Esq., Yercaud, Shevaroys—	
Bird (Astur badius) 1	17
Birds (Estrelda amandava) 3	
Birds' eggs {Caprimulgus asiaticus 2	
{Seena aurantia 2	4
„ (Pelicanus philippensis) 1	
„ (Urrua coromanda) 1	
„ (Falco jugger) 1	
„ (Micronisus badius) 1	
„ (Cotyle sinensis) 1	
„ (Glareola lactea) 1	
Frog (Callula triangularis) 1	
Snake (Silybura shortii) 1	
Annelida and crustacea from Covelong.	
Ditmas, F. W., Esq.—	
Tortoise (Emys trijuga) 1	3
Embryo of do. (do.) within its egg 1	
Snake (Chersydrus granulatus) 1	
Dodd, Messrs. W. and A.—	
Birds' eggs	13
Doylé, Reverend James—	
Abnormal Duck's egg	1
Fiddian, J. P., Esq.—	
Death's head moth (Acherontia atropos) ?	1
Fisher, Mr. J.—	
Copper Bactrian, Indo-Scythic and Gupta coins	8
Foote, R. B., Esq., F.G.S., Geological Survey of India—	
Drinking bowl found at a depth of 2 or 3 feet below the surface of the bat ground in the second south passage of the Yerreozari Gabbi (cave) near Banganapalle, Kistna district.	
Gilchrist, William, Esq.—	
Jungle cat (Felis chaus) 1	2
Larva of a beetle 1	
Giles, Dr.—	
(Amphioxus lanceolatus) 1	2
Crustacea, echinodermata, &c., dredged off the Seven Pagodas by H. M. S. S. *Investigator* ... ... Lot.	
Gnanapragasum, T. A., M.R.Ry.—	
Hyderabad dubs	5
Govindarajooloo, M., M.R.Ry.—	
Abnormal hen's eggs	2

	No.	
Griffin, Albert Charles, Esq.—		
Insect (Bacillus sp.)	1	
Ghulam Dastgir Sahib—		
Crab	1	
Hackett, Dr. A. L., Kilpauk—		
Painted bats (Kerivoula picta)	2	
Hakim Mahomed Abdul Ali—		
Mahommedan bookstand designed out of a single piece of wood	1	
Hasted, Colonel, R.E.—		
Moth	1	
Havell, E. B., Esq., Superintendent, School of Arts, Madras—		
Chrysalis of a butterfly (Euplœa asela)	1	
Moth (Partula macrops)	1	3
Tusser silk worm	1	
Henderson, Captain, Acting Principal, Civil Enginering College, Madras—		
Eggs (Hypotriorchis severus)	4	
,, (Athene brama)	2	
,, (Drymoipus inornatus)	3	
,, (Ploceus baya)	3	
,, (Passer indicus)	3	
,, (Columba intermedia)	5	33
,, (Herodias egrettoides)	6	
,, (Tantalus leucocephalus)	6	
Egg (Ardeola leucoptera)	1	
Henderson, Dr., Egmore—		
Frogs Rana gracilis (Nilgiris)	2	
Batrachian (Callula olivacea)	1	
Fish (Syngnathus acus)	1	
Crustacea (Matuta miersei)	2	
,, (,, lunaris)	1	
,, (,, victrix)	1	
,, (Albunea symnista) male and female	2	
,, (,, ,,)	1	20
,, (Diogenes miles)	2	
,, (,, custos)	1	
,, (,, herbstii)	1	
,, (Dorippe sp.)	1	
,, (Calappa sp.)	1	
Mollusc (Bulla fasciata)	2	
Copper Dutch East India Company's coins.		
Higgins, A. W. B., Esq., Deputy Conservator of Forests, Cuddapah—		
Beetle	1	
Holmes, W. Hamilton, Esq., Madras Club—		
Moths (Bombyx mori)	3	4
Caterpillar of a moth (Antheræa perrotetti)	1	
Honorary Secretary (Philological), Asiatic Society of Bengal, Calcutta—		
Gold coins	2	45
Silver coins	43	
Hutchins, Captain H. L., M.S.C.—		
Earthenware Burmese Guatamas, one silvered and one gilt	2	4
,, Peacock pice (different)	2	
James, Captain, Nungumbaukum—		
Stone shot from Pámban	1	
James, C. W., Esq.—		
Moth	1	2
Cocoon	1	
Jensen, Rev. H.—		
Shells (Helices) from Denmark	19	
Johnston, J. C., Esq., Executive Engineer, Cuddapah Division—		
Old copper still found amidst the foundations of the old Collector's Cutcherry, Cuddapah.		
Judge, H. M., Mr.—		
Insect (Nepa grandis)	1	
Laing, Mrs.—		
Woodcock (Scolopax rusticola)	1	
McLeod, Colonel H.—		
Crustacea (Hippa asiatica)	1	
Madura, Collector of—		
Caterpillars destructive to dry crops	Lot.	2
Coins	,,	
Mahomed Mason Sahib, Triplicane—		
Abnormal hen's egg	1	

	No.	
Mahomed Mossim, Triplicane—		
Egg of a snake	1	
Malabar, Collector of—		
Gold fanams	63	
Marshall, H. H., Esq.—		
Pumice stone	1	
Mason, Master Charles William—		
Butterfly	1	
Mason, Miss Hilda—		
Moth	1	
Michie Smith, C., Esq.—		
Copper Dutch East India Company's coins.		
Minchin, J. W., Esq —		
Rhæa fibre.		
Moss, Samuel C., Esq., Forest Department—		
Mineral specimens	2	
Mylitta Silk Mills Company. The Managing Director of the—		
Samples of Tussar cocoons, silk, and waste	Lot.	6
,, of "Yama mai" cocoons and silk reeled from them	,,	
,, of Pernyi cocoons and silk reeled from them	,,	
,, of Eria cocoons	,,	
True Bombyx mori cocoons reared in France from Japan seed	,,	
Skein of Tussah silk spun by the native process	,,	
Mysore Government Museum, Superintendent of—		
Silk cotton	1	
Nellore, the District Forest-officer—		
Specimen of Asbestos	1	
Phipps, Captain—		
Marine invertebrata—		
Porter, Dr. A.—		
Jungle sheep's skin	1	
Miss Angalique Sauria Halkje, the Estate of—		
Portuguese Gold coin of the last century	1	
President, Municipal Commission, Madras—		
Tiger cub (Felis tigris)	1	9
Cheetahs (,, pardus)	2	
Badger (Mellivora indica)	1	
Kangaroo (Macropus sp.)	1	
Cockatoo (Cockatua sp.)	2	
Pheasant (Lophophorus impeyanus)	1	
Pelican (Pelecanus philippensis)	1	
Price, J. F., Esq.—		
Land crab (Telphusa n. sp.) from Ootacamund.—		
Rajagopala Charriar Avergal, P., M.R.Ry., Acting General Deputy Collector, Námakal Division—		
Double-stinged scorpion	1	
Rajaratna Moodelliar, P., M.R.Ry.—		
Green Parrot (Electus polychrous)	1	
Rea, A., Esq.—		
Tombs from Pallávaram	2	11
Small pots found in a tomb having a quantity of bones in one	9	
Robinson, W. R., Esq.—		
Bat (Taphozous longimanus)	1	2
Insect (Nepa grandis)	1	
Runganayacooloo Chetty, S., M.R.Ry., Saidápet—		
Shells	Lot.	
Salem, District Forest-officer—		
Fibres	24	
Shortt, J., Retired Deputy Surgeon-General—		
Bird (Iora zeylanica)	1	86
Birds' skins (not fit for stuffing)	3	
Bird in spirit	1	
Reptiles	22	
Frogs	21	
Toad	1	
Tadpoles	27	
Insects	7	
Caterpillar	1	
Ants	Lot.	
Ant's nest	1	

	NO.
Smart, Captain—	
Insects from Elephanta	10
Spence, Lieutenant, Gun Powder Factory, Madras—	
Caterpillar	1
South Canara, the Collector of—	
Gold coins	3
Steavenson, J., Esq.—	
Insect (Cerambyx sp.)	1
A curiously flattened Casuarina stem	1 } 2
Stephenson, A. E., Esq.—	
Abnormal chicken	1
Egg	1 } 2
Tanjore, Collector of—	
Gold coins	7
Taylor, Captain J. H.—	
Chola copper coins	4
Thomas, H. S., Esq.—	
Fresh water fishes from Kodaikánal.—	
Thomas, Miss, Nungumbaukum—	
The Indian Koel (Eudynamis orientalis).	
Thorowgood, F. N., Esq., Nungumbaukum—	
Russell's Viper (Daboia elegans)	1
Tracy, Rev. J., Tirumangalam—	
Specimens of pottery from Paravai	2
Tufnell, Captain R. H. C.—	
Reptiles and Batrachians from Kodaikánal	} Collection.
Lepidoptera from Palni Hills	}
Vadanayagam Pillay, M.R.Ry.—	
Specimen of fossil wood	1
Váyalpád Taluk, Sub-Collector of—	
Gold coin	1
Venkaya Royadu, Maharajah, B.—	
Fossil shells	13
Wicks, Captain G., Port officer, Mangalore—	
Bird (Sterna javanica)	1
Fish (Balistes erythrodon)	1 } 3
„ (Ichthyscopos inermis)	1

B.

Visitors to the Government Central Museum from 1st April 1887 to 31st March 1888.

1887-88.	Signatures made in											
	English.	Telugu.	Hindustani.	Tamil.	Mahratta.	Nagaree.	Guzerattee.	Canarese.	Chinese.	Singalese.	Malayalam.	Bengalee.
1	2	3	4	5	6	7	8	9	10	11	12	13
April	1,665	333	135	1,084	14	5	13	8	..	..	18	..
May	2,460	314	145	1,204	2	5	12	18	..	1	15	..
June	2,815	626	242	2,236	10	4	23	33	2	..	10	..
July	2,039	463	197	1,702	8	15	28	2	..	..	53	..
August	2,273	589	350	2,080	21	7	38	12	..	..	65	..
September	2,000	362	122	1,731	13	4	21	16	..	..	51	4
October	1,386	328	107	1,648	9	5	5	16	..	..	64	..
November	1,973	482	334	1,494	2	18	34	50	..	..	56	..
December	4,220	574	237	2,306	19	30	115	42	..	3	103	3
January	3,425	606	298	1,879	18	31	57	*52	..	..	65	6
February	2,184	409	222	1,439	8	9	18	24	..	..	39	..
March	2,164	472	258	1,545	9	10	46	15	3	5	43	3
Total	28,604	5,558	2,647	20,348	133	143	410	268	5	9	582	16

obtained it at Madras, and subsequently on the Malabar coast. It has also been found in Bengal, in Dacca, where said not to be rare, and called the 'orange bat;' also in Ceylon, and in Burma and Malayana. It conceals itself in the folded leaf of the plaintain, and its Ceylonese name is properly, as Kelaart tells us, *Kehelvoulha*, meaning "*plantain bat.*"

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Length of line from tip to tip of the horns	6	8

11. Ethnology and Antiquities.—To Mr. R. Bruce-Foote, Superintendent of the Geological Survey of India, the Museum is indebted for the loan of a portion of his beautiful collection of neolithic and palæolithic implements, celts, corn-crushers, cores, flakes, &c., found in Southern India.

In June 1887 Mr. A. Rea, First Assistant, Archæological Survey Department, proceeded to Pallávaram to attempt the removal of one or more of the ancient pottery sarcophagi to the Museum. From the unwieldiness and fragility of these tombs, the work was expected to be of great difficulty, if not impossibility, as all those hitherto discovered were completely covered with cracks, some of them having not even a square foot of unbroken surface. By the exercise of very great care, however, two of them were safely transferred to the Museum. Of these, one was a pyriform tomb about 2 feet in diameter and 3 feet 6 inches in depth. Around the rim were traces of a cover which had once closed it, being exactly like another semi-globular chatty inverted and placed over the top. A quantity of unburnt human bones were found lying below the earth and stones which filled the tomb. The other was an oblong tomb 6 feet long, 1 foot 8 inches deep, and 1 foot 6 inches broad, and had two rows of legs. It had a number of cracks over its surface, which were cemented together. These tombs have been set up in the gallery of antiquities.

12. The Right Honorable the Governor visited the Museum during the year.

(Signed) EDGAR THURSTON,
Supdt., Govt. Central Museum.

Government Central Museum,
Egmore,
Madras, 4th July 1888.

	NO.
Smart, Captain—	
Insects from Elephanta	10
Spence, Lieutenant, Gun Powder Factory, Madras—	
Caterpillar	1
South Canara, the Collector of—	
Gold coins	3
Steavenson, J., Esq.—	
Insect (Cerambyx sp.)	1
A curiously flattened Casuarina stem	1 } 2
Stephenson, A. E., Esq.—	
Abnormal chicken	1
Egg	1 } 2
Tanjore, Collector of—	
Gold coins	7
Taylor, Captain J. H.—	
Chola copper coins	4
Thomas, H. S., Esq.—	
Fresh water fishes from Kodaikánal.—	
Thomas, Miss, Nungumbaukum—	
The Indian Koel (Eudynamis orientalis).	
Thorowgood, F. N., Esq., Nungumbaukum—	
Russell's Viper (Daboia elegans)	1
Tracy, Rev. J., Tirumangalam—	
Specimens of pottery from Paravai	2
Tufnell, Captain R. H. C.—	
Reptiles and Batrachians from Kodaikánal	} Collection.
Lepidoptera from Palni Hills	} Collection.
Vadanayagam Pillay, M.R.Ry.—	
Specimen of fossil wood	1
Váyalpád Taluk, Sub-Collector of—	
Gold coin	1
Venkaya Royadu, Maharajah, B.—	
Fossil shells	13
Wicks, Captain G., Port officer, Mangalore—	
Bird (Sterna javanica)	1
Fish (Balistes erythrodon)	1
„ (Ichthyscopos inermis)	1 } 3

B.

VISITORS to the Government Central Museum from 1st April 1887 to 31st March 1888.

1887-88.	SIGNATURES MADE IN											
	English.	Telugu.	Hindustani.	Tamil.	Mahratta.	Nagaree.	Guzerattee.	Canarese.	Chinese.	Singalese.	Malayalam.	Bengalee.
1	2	3	4	5	6	7	8	9	10	11	12	13
April	1,665	333	135	1,084	14	5	13	8	..	..	18	..
May	2,460	314	145	1,204	2	5	12	18	..	1	15	..
June	2,815	626	242	2,236	10	4	23	33	2	..	10	..
July	2,039	463	197	1,702	8	15	28	2	..	..	53	..
August	2,273	589	350	2,080	21	7	38	12	..	..	65	..
September	2,000	362	122	1,731	13	4	21	16	..	..	51	4
October	1,386	328	107	1,648	9	5	5	16	..	..	64	..
November	1,973	482	334	1,494	2	18	34	50	..	..	56	..
December	4,220	574	237	2,306	19	30	115	42	..	3	103	3
January	3,425	606	298	1,879	18	31	57	52	..	..	65	6
February	2,184	409	222	1,439	8	9	18	24	..	..	39	..
March	2,164	472	258	1,545	9	10	46	15	3	5	43	3
Total	28,604	5,558	2,647	20,348	133	143	410	268	5	9	582	16

other bears on the obverse the head of an Emperor (Decentius or Julianus II ?) and on the reverse the legend VOT XV MULT. XX. in four lines within a laurel wreath, fastened above with a circular ornament.

In addition to numerous coins of the Moghul Emperors of Delhi, the Museum is indebted to the Asiatic Society of Bengal for two coins—impure gold—of Raja Govinda Chandra Deva of the (so-called) Rahtor house of Kanauj, who reigned from 1120—1144 A.D.

10. NATURAL HISTORY—*Sponges*.—The sponges collected at Rámesvaram Island in 1886 and at Tuticorin in 1887 were sent home to be worked out at the British Museum, Natural History by Mr. Arthur Dendy, who has published a report on them in the Annals and Magazine of Natural History for September 1887. The type specimens have been preserved in that institution, and duplicates of the following species are exhibited in the Madras Museum :—

Acanthella carteri (Dendy MSS.)	Tuticorin.
Aplysina fusca (Carter)	Do.
Auletta aurantiaca (Dendy MSS.)	Do.
Aulospongus tubulatus (Bowerbank sp.)	Do.
Axinella donnani (Bowerbank sp.)	Do.
Do. (do.)	Rámesvaram.
Ceraochalina multiformis (Lendenfeld), var. manaarensis (Dendy MSS.)	Tuticorin.
Clathria corallitincta (Dendy MSS.)	Do.
Clathria indica (Dendy MSS.)	Do.
Gelliodes carnosa (Dendy MSS.)	Do.
Hircinia clathrata (Carter)	Rámesvaram.
Iotrochota baculifera (Ridley), var. flabellata (Dendy)	Do.
Megalofastas nigra (Dendy MSS.)	Tuticorin.
Pachychalina spinilamella (Dendy MSS.)	Do.
Phakellia ridleyi (Dendy)	Rámesvaram.
Raspailia fruticosa (Dendy)	Do.
Do. thurstoni (Dendy)	Do.
Suberites inconstans (Dendy), var. digitata, var. globosa	Do.

Crustacea.—Of the large collection of crustacea made at Tuticorin, many still remain to be worked out. The following species, collected at different parts of the coast, were placed in the Museum :—

Albunea symnista (Fabricius)	Madras.
Aniculus typicus (Dana)	Tuticorin.
Atergatis integerrimus (Lamarck)	Do.
Do. lævigatus (M. Edwards)	Do.
Calappa tuberculata (Fabricius)	Pámban.
Cenobita rugosa (M. Edwards)	Madras.
Charybdis crucifera (Fabricius)	Do.
Do. granulatus (de Haan)	Pámban.
Diogenes custos (Fabricius)	Madras.
Do. custos (non-Fabricius), Herbst	Do.
Do. herbstii n. sp.	Do.
Do. miles (Fabricius)	Do.
Doclea hybrida (M. Edwards)	Do.
Galathea elegans (White)	Tuticorin.
Gonodactylus chiragra (Latreille)	Pámban.
Do. trispinosus (White)	Tuticorin.
Hippa asiatica (M. Edwards)	Madras.
Lysiosquilla maculata (Fabricius)	Tuticorin.
Matuta lunaris (Herbst)	Madras.
Do. victrix (Fabricius)	Do.
Do. victrix, var. circulifera (Henderson)	Pámban.
Neptunus sanguinolentus (Herbst)	Madras.
Ocypoda ceratophthalma (Pallas)	Tuticorin.
Do. macrocera (M. Edwards)	Do.
Pagurus deformis (M. Edwards)	Do.
Do. punctulatus (Ollivier)	Do.
Philyra scabriuscula (M. Edwards)	Madras.
Porcellanella triloba (White)	Tuticorin.
Pseudodromia integrifrons n. sp. (Henderson)	Do.
Pseudosquilla ciliata (Fabricius)	Do.

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Spence, Lieutenant, Gun Powder Factory, Madras—	
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South Canara, the Collector of—	
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Reptiles and Batrachians from Kodaikánal ... ... }	Collection.
Lepidoptera from Palni Hills ... ... }	
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Spiropagurus spiriger (de Haan)	Madras.
Squilla nepa (Latreille)	Cochin
Do. scorpio	Pámban.
Do. sp. Alima larva	Gopálpur.

Mollusca.—The following list shows the species of mollusca, arranged in alphabetical sequence, which were added to the collection :—

Achatina tornensis	Western Ghâts.
Ancillaria ampla	Madras.
Do. (Sparella) cinnamonea	Tuticorin.
Do. do.	Cape Comorin.
Apicalia holdsworthi	Tuticorin.
Arca (Barbatia) lima	Do.
Do. (Scapharca) sp.	Do.
Avicula vexillum	Do.
Do. radiata	Do.
Brechites sp	Do.
Buccinum erythrostoma	Madras.
Bulimus pullus	Cochin.
Bulla fasciata	Madras.
Cantharus melanostoma	Tuticorin.
Cardium asiaticum	Do.
Conus hebræus	Do.
Corbicula occidens	Cochin.
Corbula fortisulcata	Tuticorin.
Crassatella radiata	Do.
Cryptodon vesicula	Do.
Cypræa arabica (young)	Tuticorin.
Do. moneta	Madras.
Do. vitellus	Tuticorin.
Cytherea vestita	Cochin.
Delphinula distorta	Tuticorin.
Dentalium quadrapicale	Cochin.
Dolabella rumphii	Pámban.
Dosinia sp. (young)	Cochin.
Ficula lævigata	Madras.
Fissurella singaporensis	Tuticorin.
Helix madraspatana	Madras.
Leda mauritiana	Tuticorin.
Limnæa sp.	Cochin.
Lithodomus stramineus	Tuticorin.
Do.	Do.
Lithodomus teres	Do.
Do.	Do.
Littorina scabra (young)	Do.
Lobiger sp.	Do.
Marginella angustata	Do.
Melania spinulosa	Pennár River.
Nassa suturalis	Tuticorin.
Natica pulicaris	Do.
Do. sp. (young)	Do.
Paphia trigona	Do.
Pecten flabelloides	Madras.
Pectunculus taylori	Tuticorin.
Phasianella lineolata	Do.
Purpura rudolphi	Madras.
Pyrula spirillus	Tuticorin.
Ranella foliata	Do.
Do. granifera	Madras.
Do. margaritula...	Do.
Do. spinosa	Do.
Do. tuberculata	Vizagapatam.
Ringicula doliaris ?	Tuticorin.
Do. sp.	Do.
Rotella elegans	Bellary.
Sanguinolaria sanguinolenta	Ennore.
Solen corneus	Tuticorin.
Tapes malabarica	Do.

Tapes undulata	Tuticorin.
Theora fragilis	Do.
Triforis cingulatus	Do.
Triton do.	Do.
Do. retusus	Do.
Trochus (Gibbula) variabilis	Do.
Do. (Polydonta) radiatus	Do.
Turbinella pyrum	Do.
Do. rapa	Madras.
Turbo articulatus	Tuticorin.
Voluta interrupta	Pámban.
	Tuticorin.

Fishes.—Arrangements have been made for the preparation for the British Museum of Natural History of a collection of the fishes of the Presidency. The following specimens were added to the fish gallery :—

Zygæna blochii	Madras.
Rhinobatus granulatus	Tuticorin.
Scyllium marmoratum	Madras.
Serranus sp.	Tuticorin.
Do. tumilabris	Do.
Do. bœnack	Madras.
Lutianus rivulatus	Tuticorin.
Therapon sp.	Madras.
Pristipoma furcatum	Do.
Apogon auritus	Tuticorin.
Chætodon vagabundus	Pámban.
Chrysophrys sara	Madras.
Holocentrum rubrum	Tuticorin.
Do. sp.	Do.
Pempheris mangula	Do.
Caranx rottleri	Madras.
Chorinemus lysan	Do.
Stromateus niger	Do.
Gobius bynoensis	Tuticorin.
Gobiodon citrinus	Do.
Salarias sp.	Do.
Tetradrachmum aruanum	Do.
Glyphidodon antyerius	Do.
Silurus wallagoo	Madras.
Exocœtus pæcilopterus	Do.
Notopterus kapirat	Do.
Muræna tessellata	Do.
Do. undulata	Do.

Specimens of Branchiostoma sp. (the Lancelet) dredged off the Seven Pagodas were presented to the Museum by Dr. Giles, Surgeon-Naturalist to the Investigator, and specimens of the same species were obtained by myself off the Tuticorin pearl banks.

Batrachians.—A collection in spirit of the Batrachians of Southern India, illustrative of the catalogue which was in the press, was placed in the "Fish gallery."

Birds and Eggs.—During my tour on the Nílgiris a large collection of birds was made with the assistance of native shikarees, and will be reported on at a future date. The following birds, obtained for the most part during a short visit to the Shevaroys at Christmas, or locally, were stuffed during the year :—

No.*	Latin name.	English name.	No.*	Latin name.	English name.
8	Falco peregrinus	Peregrine falcon.	76	Athene brama	Spotted owlet.
9	Do. peregrinator	Shahin do.	78	Do. Malabarica	Malabar do..
17	Tinnunculus alaudarius.	Kestril.	112	Caprimulgus Asiaticus	Common Indian bee-eater.
23	Micronisus badius	Shikra.			
54	Circus æruginosus	Marsh harrier.	122	Nyctiornis athertoni	Blue-necked bee-eater.
65	Syrnium sinense	Mottled wood owl.	123	Coracias indica	Indian roller.
69	Urrua bengalensis	Rock horned owl.	129	Halcyon fuscus	White-breasted king-fisher.
72	Ketupa ceylonensis	Brown fish owl.			
74	Ephialtes pennatus	Indian scops owl.	136	Ceryle rudis	Pied king fisher.

* The numbers refer to the numbers in Jerdon's Birds of India.

No.	Latin name.	English name.	No.	Latin name.	English name.
149	Palæornis rosa	Rose-ringed parrakeet.	674	Dendrocitta rufa	Common Indian magpie
180	Brachypteru aurantius.	Golden-backed woodpecker.	684	Acridotheres tristis	Common myna.
			699	Munia undulata	Spotted munia.
194	Megalaima viridis	Small green barbet.	795	Turtur suratensis	Spotted dove.
197	Xantholæma indica	Crimson-breasted barbet.	803	Pavo cristatus	Peacock.
214	Eudynamys orientalis	Indian koel.	814	Galloperdix spadiceus	Red-spur fowl.
255	Upupa nigripennis	Indian hoopœ.	832	Turnix taigoor	Black-breasted bustard quail.
272	Pericrocotus flammeus	Orange minivet.			
278	Dicrurus macrocercus	Common drongo shrike.	845	Charadrius longipes	Golden plover.
282	Chaptia ænea	Bronzed drongo.	867	Scolopax rusticola	Woodcock.
287	Artamus fuscus	Ashy swallow shrike.	871	Gallinago scolopacinus	Common snipe.
288	Tchitrea paradisi	Paradise flycatcher.	873	Rhynchæa Bengalensis.	Painted do.
302	Eumyias albicaudata	Nilgiri blue flycatcher.	880	Philomachus pugnax	Ruff.
353	Orocetes cinclorhynchus.	Blue-headed chat thrush.	891	Actitis glareola	Spotted sand piper.
360	Merula simillima	Nílgiri blackbird	894	Totanus glottis	Green shank.
404	Pomatorhinus horsfieldi.	Southern scimitar babbler.	895	Do. stagnatilis	Little shank.
			902	Porphyrio poliocephalus.	Purple coot.
434	Malacocircus griseus	White-headed babbler.	951	Nettappus Coromandelianus.	White-bodied goose teal.
467	Iora zeylonica	Black-headed green bulbul.	964	Querquedula crecca	Common teal.
			965	Querquedula circia	Blue-winged teal.
471	Oriolus indicus	Black-naped Indian oriole.	975	Podiceps Philippensis	Little grebe.
475	Copsychus saularis	Magpie robbin.			

Eggs of the following birds were added to the collection :—

No.	Latin name.	English name.	No.	Latin name.	English name.
11	Falco jugger	Laggar falcon.	840	Cursorius Coromandelicus.	Indian courier plover.
23	Micronisus badius	Shikra.			
70	Urrua coromanda	Dusky-horned owl.	929	Buphus Coromandus	Little egret.
89	Cotyle sinensis	Indian bank martin.	930	Ardea leucoptera	Pond heron.
438	Chatarrhæa caudata	Striated bush babbler.	1004	Pelecanus Philippensis.	Grey pelican.
687	Temenuchus pagodarum.	Black-headed myna.			

Mammalia.—The following skeletons were prepared :—

Presbytis jubatus	Nílgiri langur.
Felis tigris	Tiger.
Do. pardus	Leopard.
Herpestes griseus	Madras mungoos.
Mellivora indica	Indian badger.
Bubalus bubalis	Domestic buffalo.
Elephas indicus	Indian elephant.
Mus bandicota	Bandicoot rat.
Lepus ruficaudatus	Indian hare.

The elephant referred to was a solitary male, which is stated to have been dangerous, and to have formerly killed two men. It was crossing some open country between two forests in the neighbourhood of Chengam, and was followed by a crowd of villagers who fired at it and eventually secured it with ropes in the village of Quilam, where it died. The height of the animal is said to have been about 11 feet.

The following skulls were prepared :—

Felis pardus	Leopard.
Lepus ruficaudatus	Indian hare.
Neomeris phocænoides	Finless dolphin.

The following animals were stuffed :—

Presbytis johnii	Malabar langur.
Cynopterus marginatus	Small fox bat.
Rhinopoma microphyllium	Long-tailed leaf bat.
Kerivoula picta	Painted bat.
Tupaia ellioti	Madras tree-shrew.
Felis chaus	Jungle cat.

The specimens of Kerivoula picta were captured by Surgeon-Major Hackett in his compound in Madras in the early morning, as they were flying around the plantain trees. "This very beautiful bat," Jerdon says (Mammals of India, p. 43), "which, when disturbed in the day time, looks more like a butterfly or moth than a bat, has been found over a great part of India, though nowhere common. I first

obtained it at Madras, and subsequently on the Malabar coast. It has also been found in Bengal, in Dacca, where said not to be rare, and called the 'orange bat;' also in Ceylon, and in Burma and Malayana. It conceals itself in the folded leaf of the plaintain, and its Ceylonese name is properly, as Kelaart tells us, *Kehelvoulha*, meaning "*plantain bat.*"

The specimen of Tupaia ellioti was obtained on the Shevaroy Hills by Mr. W. M. Daly, to whom the Museum is indebted for the donation. The type specimens of this species were obtained by the late Sir Walter Elliot from the Eastern Ghâts between Nellore and Cuddapah.

A specimen of a skull and horns of the wild buffalo (*Bubalus arni*) was acquired by purchase. The length of the line from tip to tip of the horns is 8 feet 7½ inches, and the length of the horns round the outside of them and across the forehead 12 feet 2 inches. In a specimen of the same animal from Central Assam in the British Museum, the same measurements are as follows:—

	FT.	IN.
Length of the horns round the outside of them and across the forehead	12	2
Length of line from tip to tip of the horns	6	8

11. Ethnology and Antiquities.—To Mr. R. Bruce-Foote, Superintendent of the Geological Survey of India, the Museum is indebted for the loan of a portion of his beautiful collection of neolithic and palæolithic implements, celts, corn-crushers, cores, flakes, &c., found in Southern India.

In June 1887 Mr. A. Rea, First Assistant, Archæological Survey Department, proceeded to Pallávaram to attempt the removal of one or more of the ancient pottery sarcophagi to the Museum. From the unwieldiness and fragility of these tombs, the work was expected to be of great difficulty, if not impossibility, as all those hitherto discovered were completely covered with cracks, some of them having not even a square foot of unbroken surface. By the exercise of very great care, however, two of them were safely transferred to the Museum. Of these, one was a pyriform tomb about 2 feet in diameter and 3 feet 6 inches in depth. Around the rim were traces of a cover which had once closed it, being exactly like another semi-globular chatty inverted and placed over the top. A quantity of unburnt human bones were found lying below the earth and stones which filled the tomb. The other was an oblong tomb 6 feet long, 1 foot 8 inches deep, and 1 foot 6 inches broad, and had two rows of legs. It had a number of cracks over its surface, which were cemented together.

These tombs have been set up in the gallery of antiquities.

12. The Right Honorable the Governor visited the Museum during the year.

(Signed) EDGAR THURSTON,
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Government Central Museum,
Egmore,
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Albunea symnista (Fabricius)	Madras.
Aniculus typicus (Dana)	Tuticorin.
Atergatis integerrimus (Lamarck)	Do.
Do. lævigatus (M. Edwards)	Do.
Calappa tuberculata (Fabricius)	Pámban.
Cenobita rugosa (M. Edwards)	Madras.
Charybdis crucifera (Fabricius)	Do.
Do. granulatus (de Haan)	Pámban.
Diogenes custos (Fabricius)	Madras.
Do. custos (non-Fabricius), Herbst	Do.
Do. herbstii n. sp.	Do.
Do. miles (Fabricius)	Do.
Doclea hybrida (M. Edwards)	Do.
Galathea elegans (White)	Tuticorin.
Gonodactylus chiragra (Latreille)	Pámban.
Do. trispinosus (White)	Tuticorin.
Hippa asiatica (M. Edwards)	Madras.
Lysiosquilla maculata (Fabricius)	Tuticorin.
Matuta lunaris (Herbst)	Madras.
Do. victrix (Fabricius)	Do.
Do. victrix, var. circulifera (Henderson)	Pámban.
Neptunus sanguinolentus (Herbst)	Madras.
Ocypoda ceratophthalma (Pallas)	Tuticorin.
Do. macrocera (M. Edwards)	Do.
Pagurus deformis (M. Edwards)	Do.
Do. punctulatus (Ollivier)	Do.
Philyra scabriuscula (M. Edwards)	Madras.
Porcellanella triloba (White)	Tuticorin.
Pseudodromia integrifrons n. sp. (Henderson)	Do.
Pseudosquilla ciliata (Fabricius)	Do.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following papers:—

From EDGAR THURSTON, Esq., Superintendent, Government Central Museum, to the Secretary to Government, Revenue Department, dated Madras, 4th July 1888, No. 395.

I have the honor to submit to the Right Honorable the Governor in Council my report on the working of the Government Central Museum during 1887-88, and, as it contains a large number of technical terms, I shall be glad to be furnished with a proof of the same before striking off. I also request that I may be supplied with 100 copies for distribution to other Museums, &c.

ADMINISTRATION REPORT OF THE GOVERNMENT CENTRAL MUSEUM FOR THE YEAR 1887-88.

VISITORS TO THE MUSEUM.—The usual statistical returns of the number of visitors to the Museum during the year are given in appendix B. The total number was 264,182 against 233,028 in 1886-87, being an increase of 31,154. The greatest number of visitors on any single day was 19,161 on December the 27th (*Thuwathasee*).

The number of Gosha visitors on the day set apart for them every month was 1,811 against 749 in 1886-87, being an increase of 1,062.

The following statement of visitors to the Museum during the last five years shows the fluctuations from year to year:—

1883-84	242,514
1884-85	272,968
1885-86	311,462
1886-87	233,028
1887-88	264,182

2. BUILDINGS.—The roof of the Lecture-hall and that of the new gallery still leak, and the attempts made to prevent the oozing of moisture from the walls and pillars of the main hall did not prove successful. These defects were duly brought before the notice of the Department of Public Works.

The provision of a *porte-cochère* in front of the Superintendent's house was sanctioned, when funds are available, in Public Works G.O., No. 95 W., of 11th January 1888, at a cost of Rs. 890, and an estimate for Rs. 840 was furnished by the Public Works Department for improvements to the quarters of the Head Taxidermist.

B. 2660 Aug. 1888

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.

No 2660 Aug 1888 Rev

AUGUST.

Government Central Museum.

Review of report on the — for 1886-87.

To The S. E. V. Circle.

With Order

Definite proposals with an estimate amounting to Rs. 240 were placed before Government for the conversion of a disused godown into a water-pandal in my letter No. 96 of 20th February 1888.

The Public Works Department made a thorough inspection of the buildings during the year with a view to general repairs.

3. Establishment.—The only change in the establishment was caused by the retirement of the Librarian after a total service of 32 years. His place was filled by the Assistant Librarian, who was specially exempted from the operation of the Uncovenanted Civil Service Examination rules to qualify him for the operation of the Uncove- was recruited from the contingent establishment to fill the vacant post of Assistant Librarian.

4 Herbarium.—The Herbarium-keeper mounted 150 plants and 75 grasses, and arranged the species of the natural order Euphorbiaceæ, so far as they are contained in part XIV of the "Flora of British India." A collection of pulses and grains was named and labelled, and MSS. catalogues of oil-seeds and drugs were prepared.

Mr. M. A. Lawson, Government Botanist, went systematically through and rearranged the specimens contained in the herbarium, illustrative of the following natural orders:—

Ranunculaceæ.	Portulaceæ.	Burseraceæ.	Haloragеæ.
Dilleniaceæ.	Tamariscineæ.	Meliaceæ.	Rhizophoreæ.
Magnoliaceæ.	Elatineæ	Olacineæ.	Combretaceæ.
Anonaceæ.	Hypericineæ.	Ilicineæ.	Myrtaceæ.
Menispermaceæ.	Guttiferæ.	Celastrineæ.	Melastomaceæ.
Berberideæ.	Ternstrœmiaceæ.	Rhamneæ.	Lythraceæ.
Nymphæaceæ.	Dipterocarpeæ.	Ampelideæ.	Onagraceæ.
Papaveraceæ.	Malvaceæ.	Sapindaceæ.	Samydaceæ.
Fumariaceæ.	Sterculiaceæ.	Sabiaceæ.	Passifloreæ.
Cruciferæ.	Tiliaceæ.	Anacardiaceæ.	Cucurbitaceæ.
Capparideæ.	Lineæ.	Moringeæ.	Begoniaceæ.
Resedaceæ.	Malpighiaceæ.	Connaraceæ.	Datiscaceæ.
Violaceæ.	Zygophylleæ.	Leguminosæ.	Ficoideæ.
Bixineæ.	Geraniaceæ.	Rosaceæ.	Umbelliferæ.
Pittosporeæ.	Rutaceæ.	Saxifragaceæ.	Araliaceæ.
Polygaleæ.	Simarubeæ.	Crassulaceæ.	Cornaceæ.
Caryophylleæ.	Ochnaceæ.	Droseraceæ.	

5. Artist.—The Artist was, in addition to some minor work, employed in making drawings illustrative of the catalogue of batrachians, and paintings of birds, which have been framed and placed in the bird gallery. The drawings of batrachians were successfully lithographed by Mr. A. Barren.

6. Tours.—During the year two tours were made, viz., to Tuticorin and the Nílgiris. At the former place great assistance was rendered by Captain Phipps, Port officer, in placing boats and divers at my disposal. Large collections, illustrative of the marine fauna, were made, mainly through the medium of native divers, who displayed no little skill, and some of the specimens, *e.g.*, the entire collection of sponges and echinoderms, have been sent to the British Museum, Natural History, for investigation and report. The results of this tour will be published after I have made a further tour to the Gulf of Manaar in the ensuing year.

During my tour on the Nílgiris a large area of both the plateau and slopes was explored, and large collections of birds, reptiles, butterflies, &c., were made, but as I only returned to Madras a few days before the termination of the official year, I reserve a list for my next annual report.

The Museum is greatly indebted to Mr. G. F. Hampson not only for naming many of the butterflies collected, but also for presenting a number of specimens from his admirable collection.

On both tours I was accompanied by the Head and 3rd Taxidermists, who throughout the year did their work with great zeal and ability. The latter unfortunately contracted a severe attack of fever on the Nílgiris.

7. Art Gallery.—Considerable progress was made during the year with the conversion of the old shell gallery into an art gallery. New cases were arranged around the walls, containing samples of silk women's cloths manufactured in various

parts of the Madras Presidency, and in the body of the gallery were exhibited in new cases specimens of Tanjore mixed metalware, the beautiful-chiselled elephant goads from Tanjore, Madras and Kashmir brassware, Bidri ware, Trichinopoly zinc and brass ware, Multán pottery, Vizagapatam ware in ivory and sandalwood, and some of the native jewelry which was returned from the Indo-Colonial Exhibition.

The completed portion of the gallery was screened off from the uncompleted portion by palempores manufactured in the Presidency.

8. Publications.—A preliminary report on the marine fauna of Rámesvaram and the neighbouring islands, and an illustrated catalogue of the coins of Mysore contained in the Museum collection were issued, and I was engaged upon a history of the coinage of the East India Company from the 1st issue of coins, the portcullis money of Queen Elizabeth, in 1601 to the passing of Act No. XIII of 1862. The whole of the records of the Madras Mint were gone through, from which much interesting information with respect to the coinage of the Company was extracted, and arrangements were made with the British Museum for the making of casts of the coins of the Company in the collection of that institution for reference.

An illustrated catalogue of the batrachians (frogs, toads and cœcilians) of Southern India was in the press at the end of the year.

9. Numismatics.—Among the numerous additions to the collection of coins during the year, I may mention (1) silver tungas of the Mogul Emperors Baber and Humayun; (2) a gold coin of Taj-ad-din Yildiz, lieutenant of the Delhi Sultan Muhammad ibn Sam; (3) coins of the Greek and Scythic kings of Bactria and India, Lysias, Rajnabala, Spalirises and Azes, Abdagases, Orthagnes, Zeionises, Kadphises I, and Kadaphes, the bronse coin of the last king having on the obverse a head of the king diademed, and closely resembling the head of Augustus on some of the coins of that Emperor; (4) several new types of Mysore coins; (5) a zodiac Mohur, Capricornus, of Jehangir.

A collection of copper coins, which were found at Kilakarai on the Madura coast, was presented to the Museum. Mr. J. P. James, then Port officer of Pámban, reported in a letter to Government (No. 226, dated 9th August 1887) that, while walking along the beach north-east of Kilakarai to visit the Naajimundel beacons, he noticed the beach strewn with quantities of pottery of various kinds. On making inquiries he was told that the legend runs that, in the time of the Pandyans, there was a large city extending from Kilakarai to Muthupettah, which is about nine miles, and that it also extended to Sheramoodelly Theevo, an island about five miles south; that a hurricane submerged the whole country, and the islands were then formed from part of the mainland. On inquiry whether any coins were ever found, Mr. James was told that they were sometimes, and eventually a parcel of coins was sent to him.

The collections contain in addition to many common coins, several which are of special interest. The former include Buddhist, Vijayanagar, Chola, Pandyan, Setupati, and Indo-French coins, and a coin of the Ceylonese Monarch Sahasa Malla, bearing the legend *Sri-mat Sahasa Malla.*

The latter include (1) a copper coin silvered of Ahsan Shah, commandant in Malabar, who threw off his allegiance to the Delhi Sultan Muhammad ibn Taghlak, and issued coins in his own name; (2) the copper lion coin of the Ceylonese Monarch Parákrama Báhu (1153—1186 A.D.), bearing on the obverse the standing figure of the Raja with a lotus in the left hand and in the right hand a weapon, and the figure of a seated lion with its mouth open showing the teeth in the upper jaw, and on the reverse the seated figure of the Raja and the legend *Sri Parákrama Báhu;* (3) a copper coin of Parákrama Báhu, so far as I am aware hitherto unpublished, similar in every respect to the *Lankeswara* gold coin of that monarch, and bearing the following devices and legend: *Obverse.*—Standing figure of the Raja wearing a conical cap and dhoti, with a lotus flower in the left hand and a weapon in the right hand, standing on the stalk of a lotus which ends in a flower, between which and the left hand are five dots. *Reverse.*—Seated figure of the Raja with a lotus in the left hand and left leg resting on a grating. Legend *Sri Lankeswara;* (4) two Roman copper coins both very much worn and having the legends on the obverses entirely illegible. One bears on the obverse the head of some Emperor, and on the reverse a cross within a circle, while the

other bears on the obverse the head of an Emperor (Decentius or Julianus II ?) and on the reverse the legend VOT XV MULT. XX. in four lines within a laurel wreath, fastened above with a circular ornament.

In addition to numerous coins of the Moghul Emperors of Delhi, the Museum is indebted to the Asiatic Society of Bengal for two coins—impure gold—of Raja Govinda Chandra Deva of the (so-called) Rahtor house of Kanauj, who reigned from 1120—1144 A.D.

10. NATURAL HISTORY—*Sponges.*—The sponges collected at Rámesvaram Island in 1886 and at Tuticorin in 1887 were sent home to be worked out at the British Museum, Natural History by Mr. Arthur Dendy, who has published a report on them in the Annals and Magazine of Natural History for September 1887. The type specimens have been preserved in that institution, and duplicates of the following species are exhibited in the Madras Museum :—

Acanthella carteri (Dendy MSS.)	Tuticorin.
Aplysina fusca (Carter)	Do.
Auletta aurantiaca (Dendy MSS.)	Do.
Aulospongus tubulatus (Bowerbank sp.)	Do.
Axinella donnani (Bowerbank sp.)	Do.
Do. (do.)	Rámesvaram.
Ceraochalina multiformis (Lendenfeld), var. manaarensis (Dendy MSS.)	Tuticorin.
Clathria corallitincta (Dendy MSS.)	Do.
Clathria indica (Dendy MSS.)	Do.
Gelliodes carnosa (Dendy MSS.)	Do.
Hircinia clathrata (Carter)	Rámesvaram.
Iotrochota baculifera (Ridley), var. flabellata (Dendy)	Do.
Megalofastas nigra (Dendy MSS.)	Tuticorin.
Pachychalina spinilamella (Dendy MSS.)	Do.
Phakellia ridleyi (Dendy)	Rámesvaram.
Raspailia fruticosa (Dendy)	Do.
Do. thurstoni (Dendy)	Do.
Suberites inconstans (Dendy), var. digitata, var. globosa	Do.

Crustacea.—Of the large collection of crustacea made at Tuticorin, many still remain to be worked out. The following species, collected at different parts of the coast, were placed in the Museum :—

Albunea symnista (Fabricius)	Madras.
Aniculus typicus (Dana)	Tuticorin.
Atergatis integerrimus (Lamarck)	Do.
Do. lævigatus (M. Edwards)	Do.
Calappa tuberculata (Fabricius)	Pámban.
Cenobita rugosa (M. Edwards)	Madras.
Charybdis crucifera (Fabricius)	Do.
Do. granulatus (de Haan)	Pámban.
Diogenes custos (Fabricius)	Madras.
Do. custos (non-Fabricius), Herbst	Do.
Do. herbstii n. sp.	Do.
Do. miles (Fabricius)	Do.
Doclea hybrida (M. Edwards)	Do.
Galathea elegans (White)	Tuticorin.
Gonodactylus chiragra (Latreille)	Pámban.
Do. trispinosus (White)	Tuticorin.
Hippa asiatica (M. Edwards)	Madras.
Lysiosquilla maculata (Fabricius)	Tuticorin.
Matuta lunaris (Herbst)	Madras.
Do. victrix (Fabricius)	Do.
Do. victrix, var. circulifera (Henderson)	Pámban.
Neptunus sanguinolentus (Herbst)	Madras.
Ocypoda ceratophthalma (Pallas)	Tuticorin.
Do. macrocera (M. Edwards)	Do.
Pagurus deformis (M. Edwards)	Do.
Do. punctulatus (Ollivier)	Do.
Philyra scabriuscula (M. Edwards)	Madras.
Porcellanella triloba (White)	Tuticorin.
Pseudodromia integrifrons n. sp. (Henderson)	Do.
Pseudosquilla ciliata (Fabricius)	Do.

B. 2660 W. 11-887

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

Sign) J. O. N.

Govt. of {1887} Madras.

REVENUE.

Issued

Recd. Encl.

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

Re 2660 W. 11-887

AUGUST.

Government Central Museum.

Review of report on the — for 1886-87.

To The S. E. V. Circle.

With Order

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.
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.

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.

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.

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,, the Editors' Table.

Exd W. H. French.

150 Copies.

E-6.

Trübner's Oriental Series.

	Volumes.
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Gray, James—Ancient Proverbs and Maxims from Burmese sources	1
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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
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Calendar of Treasury papers, 1714—1719	1
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Chartularies, &c., St. Mary's Abbey, Dublin	1
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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.
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.
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.

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Catalogue of the Fossil Mammalia in the British Museum, Part 3	1
Catalogue of the Birds in the British Museum, Vol. 11	1
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Fourth Annual Report of the Fishery Board of Scotland for 1885	1
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Report of the Inspectors of Irish Fisheries on the Sea and Inland Fisheries of Ireland for 1885	1

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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

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 rûg.
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.
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.
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.

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.

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Report on the Revenue Administration of Lower Burma for the Year 1885-86	3
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Standing Order of the Public Works Department for 1883 and 1884, incomplete	2
The India Office List for 1886	1

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Patents for Inventions, Specifications and Drawings, Vols. 13 to 86 for 1884	74
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Specifications relating to Drains and Sewers, Sewage and Manure, Part 2, A.D., 1867—1876	1
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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

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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.
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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

	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 I 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

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
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* 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 ... ... „	
Quartz detritus of the Whitefield Kaolin as washed off at the works ... „	16
Hæmatite 1	
Copper coins 11	
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	
Bats from Sholingur 3	
Hedge hog (Erinaceus micropus) 1	
Mouse from Erode (Mus sp.) 1	
Shrew mouse (Sorex sp.) 1	18
Snakes 4	
Larva of a butterfly 1	
Moth 1	
Queen white-ants (Termites) 3	
Mygale sp. 2	

	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	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—		
Copper coins		8
King, Dr. G., Superintendent, Royal Botanic Gardens, Seebpore near Calcutta—		
Dried specimens of Ficus plants		98
Kistna, Acting Collector of—		
Locusts (Œdipoda sp.)		Collection.
Kotilingam, Mr. J. P.—		
Shells (Lepas anserifera) attached to a piece of wood		5
Krishnan Rajah, H. H., Calicut—		
Half mohur of Tippu Sultan		1
Lee, Mr. J. P., Egmore—		
Birds		4
Logan, John, Esq., Coorg—		
Lac insect (Coccus lacca)		1
Madura, Collector of—		
Locusts (Œdipoda sp.)		Collection.
Maitland, Dr. J.—		
Fish (Notopterus kapirat)	1	2
Australian sea-weeds, &c.	Lot	
McNally, Dr. C. J.—		
Weaver Bird's nest (Ploceus baya)		1
Mitchell, J. M., Esq.—		
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	
Morgan, R., Esq., Forest-officer, Malabar—		
Specimens of Kaolin and iron sand stones from the Pálghat hills		Lot.
Mysore Government Museum—		
Photograph of sculptures		1

		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	
Copper coins do. 7	9
Wailly, Monsr. A—	
Butterflies and moths 73	
Cocoons of Attacus cynthia and Antheræa pernyi 44	117
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	
Iron bracelets do. 2	3
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.	Guzeratteo.	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	10
Edwards, John—Botanical Register by John Lindley, Ph. D., F.R.S., &c., New Series ...	1
Ehrenberg—Beitrage Corallenthiere des rothen Meeres Von—*vm* Ehrenberg	4
Encyclopædia Britannica, Volumes 18, 19, 20 and 21	4
Esper Die Pflanzenthiere	1
Fergusson, James—Archæology in India	1
Forbes, H. O.—A. Naturalist's Wanderings in the Eastern Archipelago	1
Geikie, A.—Class Book of Geology	
Hervey, Rev. A. B.—Guide for the Microscopical Investigation of Vegetable Sub-	
stances	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	5
Smollett, T.—History of England	

	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

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	...	Nilgiris.
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.
Emyda granosa, The Bungoma.
Varanus dracæna *

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
Pomatorhinus horsfieldii	Southern scimitar babbler.	404	Turnix taigoor ..	Black breasted bustard quail.	832
Otocompsa jocosa ..	Red-whiskered bulbul.	460	Ægialitis philippensis .	Indian ringed plover ..	849
Pycnonotus hæmorhous.	Madras bulbul	462	Himantopus candidus ..	Stilt or long-legs ..	898
Phyllornis jerdoni ..	Common green bulbul ..	463	Butorides javanica ..	Little green heron ..	931

* 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 perenopterus.	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 ponticeriana	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. hæmorrhous ..	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.

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.

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.

№ 3394 W. d/ 24. x. 88

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Recorded
ogd W. L. C. B
L. W

Govt. of {1888} Madras.

REVENUE.

Issued

Recd. *Encl.*

G.O., 11th October 1888, No. 703.

№ 3394 W. d/ 24. x. 88

OCTOBER.

Government Central Museum.

Reviewing the report of the — for 1887-88.

W. Thorndike

Worked flake of chert, Idopinkal, Anantapur district.
Chert flake with a serrated edge, Tripatur, Madura district.
Bones from Midden heaps and cooking places in different settlements.
Palæolithic implement from Joga, Hospet taluk, Bellary district.
Implements of hard limestone, Yedhalli, near Sorapur, Nizam's Dominions.
Palæolithic implement from the laterite Muniyar, Ariyalur taluk, Trichinopoly.
Palæolithic implement of flint, Wangford, Essex, England.
Quartzite sling stone, Palæolithic.
Pottery from Neolithic settlements, Bellary-Anantapur country.
Six Palæolithic implements from gravel beds, Kolakandi, Bellary district.
Quartzite scraper, Palæolithic, from Madgi, Badani taluk, Bijapur district.
Quartzite scraper, Palæolithic, from the valley of the Maneru, Nellore district.
Arrow head of Obsidian, Mexico.
Arrow heads of flint, England and Ireland.
Arrow heads from under the Teri, Sawyerpuram, Tinnevelly.
Flakes of chert resembling arrow heads.
Axe head of copper near the Baragunda copper mine, Hazaribagh district, South-West Bengal.
Four cores of dark chert from Patpad, Banganapalle, Kurnool district.
Core from foot of Daraji hill, Bellary district.
Core from foot of Iddapinkal, Gooty taluk, Anantapur district.
Cores from foot of Yalapadagu, Gooty taluk, Anantapur district.
Four cores (1 agate, 3 chert) from Jabalpur.
Cores from under the "Teri," Sawyerpuram, Tinnevelly district.
Core from a gravel bed south of Mana Madura, Madura district, made of chert much withered.
Ten cores of chert and agate from Hallakota hill, Siruguppa, Bellary district.
Armlet of copper, near the Baragunda copper mine, Hazaribagh district, South-West Bengal.
Cores of chert, Roh, on the Indus, Sind.
Iron implements found buried in a pot with other antiquities, Patpad, Banganapalle, Kurnool district.
Eight celts in first stage from a manufactory on a basaltic trap dyke 20 miles north-west of Tirupatúr, Salem district, badly shaped specimens, probably rejected.

MADRAS,
4th July 1888.

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

From EDGAR THURSTON, Esq., Superintendent, Government Central Museum, to the Secretary to Government, Revenue Department, dated Madras, 27th August 1888, No. 527.

With reference to your official memorandum No. 90, of 8th August 1888, I have the honor to forward, herewith, a classified list of expenditure of the Government Central Museum, during the year 1887-88, to accompany my annual report on the working of the institution.

ENCLOSURE.

CLASSIFIED List of Expenditure of the Government Central Museum, during the year 1887-88.

No. 1887-88.		Actuals, 1887-88.			Revised estimate, 1887-88.		
		RS.	A.	A.	RS.	A.	P.
1	Superintendent, Rs. 500—50—800 ...	6,800	0	0	6,800	0	0
4	Clerks, between Rs. 50 and 200 ...	3,705	0	0	3,720	0	0
5	Do. below Rs. 50	1,608	0	0	1,608	0	0
4	Servants	612	0	0	612	0	0
	Total, Establishment ...	5,925	0	0	5,940	0	0
	Travelling allowance ...	983	6	8	1,000	0	0

No. 1887-88.		Actuals, 1887-88. RS. A. P.	Revised estimate, 1887-88. RS. A. P.
	Supplies and Services.		
	Cost of specimens	1,055 9 0	1,000 0 0
	Preparation of fittings, furniture, for the collections	2,700 0 0	3,000 0 0
	Cost of European stores	1,186 5 4	...
	Total ...	4,941 14 4	4,000 0 0
	Cost of books and publications	1,800 0 0	1,800 0 0
	Contingencies.		
	Purchase and repair of furniture ...	200 0 0	200 0 0
	Binding books	300 0 0	300 0 0
	Rents, rates and taxes	1,080 0 0	1,080 0 0
	Postal charges Telegram charges Office expenses and miscellaneous } ...	4,605 4 2	4,541 0 0
	Total ...	6,185 4 2	6,121 0 0
	Grand Total ...	26,635 9 2	25,661 0 0

ORDER—dated 11th October 1888, No. 703, Revenue.

Miscellaneous.

His Excellency the Governor in Council has read this report with interest and considers that satisfactory progress was made during the year.

2. The number of visitors to the Museum shows an increase over the previous year, but there was a falling off in attendance as compared with 1885-86. The largest number of visitors in any one month was 47,139 during December 1887 against 26,248 in the corresponding period of 1886-87. The increase in the number of Gosha visitors is noted with satisfaction.

3. The charges during the year amounted to Rs. 26,636 against the revised estimate of Rs. 26,000, not 25,661 as stated by the Superintendent. The expenditure in 1886-87 was Rs. 25,039.

4. The estimate for conversion of one of the godowns into a water-pandal, referred to in paragraph 2 of the report, has already been sanctioned and orders issued for the early execution of the work (G.O., dated 3rd September 1888, No. 5221).

5. In conclusion, His Excellency in Council desires to express his acknowledgments to the various gentlemen who contributed to the Museum.

(True Extract.)

(Signed) C. A. GALTON,
Ag. Secretary to Government.

To the Superintendent, Central Museum.
,, the Public Works Department.
,, the Commissioner of Revenue Settlement and Director of the Department of Land Records and Agriculture.
,, Surgeon-General G. Bidie, M.B., C.I.E.
,, the Government Botanist.

Exd. P. L. Pereira.

180 Copies.

Govt. of {1888} Madras.

REVENUE.

No 3394 W. d/ 24 x 88

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Recd. *Encl.*

G.O., 11th October 1888, No. 703.

No 3394 W d/ 24 - X - 88

OCTOBER.

Government Central Museum.

Reviewing the report of the — for 1887-88.

	Volumes
Polychronicon Ranulphi, Higden, Vol. 9	1
Registrum Epistolarum, J. Peckham, Arch. Cant. Vol. 3rd	1
Year Books, Edward III, years XIII and XIV	1

MADRAS,
4th July 1888.

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

E.

LOAN COLLECTION OF PREHISTORIC IMPLEMENTS COLLECTED BY R. B. FOOTE, ESQ., F.G.S., SUPERINTENDENT, GEOLOGICAL SURVEY OF INDIA.

Celts from the Shevaroy Hills, 12 specimens.
Celt hammers from Banda, Central India.
Celts from Banda, Central India.
Celts from the Bellary-Anantapur country.
Celts from the Bellary-Anantapur country.
Celt in second stage, the chip edges reduced by "picking."
Celt from Yunnan, Dr. Anderson's collection made of Jadeite.
Neolithic implements in first and second stages of manufacture, Bellary-Anantapur country.
Strikers.
Pounders.
Chisels.
Slyking stone or slick stone for giving a glass to the surface of woven materials.
Pounders or Pestles from the Bellary-Anantapur country.
Corn crushers from the Bellary-Anantapur country.
Hone or sharpening stone from Gadigama, Bellary district.
Mealing stones from the Bellary-Anantapur country.
Drilled stone from Vemaveram, Nellore district.
Drilled stone from the Southern Mahratta country.
Drilled stone from Valaiankulam, south of Madura.
Toy made by shepherd boys from Halakansli, south of Bellary.
Pendant of bone from the submerged forest Valimukkam, south coast of Madura district.
Valve of unio shell ground at edge found with antique pottery, &c., at Patpad, Banganapalle, Kurnool district.
Slaggy cinder with impressions of straw on the surface.
Part of a chank shell ground on one end, Bellary district.
Two beads—one green quartzite, one red cornelian, Hallakata hill, Siruguppa, Bellary district.
Circular scraper, Kopgal hill, Bellary district.
Scrapers from Kopgal, Bellary district, the same form still used for scraping skins by the Esquimaux.
Scraper flake, Yellapadugu, Gooty taluk, Anantapur, scrapers of chert, Bellary-Anantapur country.
Ruddlestone (soft hæmatite) for rubbing down into red pigment and for rouge, Tornagul hill, Bellary district.
Bead of shell, Patpad, Banganapalle, Kurnool district.
Round bead, red cornelian, Naggaradani hill, Bellary district.
Flint scrapers, English.
Scrapers of chert, Patpad, Banganapalle, Kurnool district.
Scrapers from French bone caves.
Flakes of chert and agate, Kallakata hill, Siruguppa, Bellary district.
Spear head ? worked chert, Parpalla, Kurnool district.
Sling stone from Idapinkal hill, Gooty taluk, Anantapur district.
Sling stone from Patpad, Banganapalle, Kurnool district.
Sling stones from under the Sawyerpuram Teri, Tinnevelly district.
Flake of quartzite, Graham's Town, South Africa.
Flint flake, Hasseris, 8 miles south of Abborg, Denmark.
Flakes from French bone caves.
Small flakes used as lancets, drills, &c., made of chest and agate from various settlements, Bellary-Anantapur country.
Chert flakes, Jabalpur.
Flakes from under the "Teri," Sawyerpuram, Tinnevelly district, 1 of chert, 3 of quartz.
Flakes of green stone, Kopgal hill, Bellary.
Flake of Lydian stone, Helonan near Cairo.
Flake with worked edge, Le-monstier. Bone cave, France.
Leaf-shaped flake of chert, Bantanhal, Sorapur taluk, Nizam's Dominions.
Oval flake knife of flint, Lemonstier. Bone cave, France.
Unfinished implement of chert, Patpad, Banganapalle, Kurnool district.

	Volumes.
Report on the Jails of the Central Provinces for 1886	1
Report on the Cawnpore Experimental Station for the Kharif season for 1886 ...	2
Report on the Operations of the Department of Agriculture and Commerce, North-Western Provinces and Oudh, for 1886	2
Report on the Indian Section of the Colonial and Indian Exhibition for 1886	1
Report of the Commercial Conferences held in the Imperial Court of the Indian Section of the Colonial and Indian Exhibition, 1886	1
Report on the Horticultural Gardens, Lucknow, for 1887	2
Report on the Railway Trade of the North-Western Provinces and Oudh for 1887 ...	2
Report on the Judicial Administration, Civil, of the Central Provinces, for 1886 ...	1
Report on the Judicial Administration, Criminal, of the Central Provinces, for 1886 ...	1
Report on the Administration of Civil Justice in the Punjab and its Dependencies, for 1886.	1
Report on the Administration of Criminal Justice in the Punjab and its Dependencies, 1886.	1
Report on the External Trade of Bengal with Nepal, Tibet, Sikkim and Bhutan for 1886-87	1
Report on Arboriculture in the Hyderabad Assigned Districts for 1886-87	2
Report on the Revenue Administration of the Punjab and its Dependencies for 1886-87.	1
Report on the Progress and Condition of the Government Botanical Gardens at Saharanpur and Mussoorie for 1887	2
Report on the Administration of the Department of Salt Revenue in the Presidency of Fort St. George for 1885-86	1
Reports on the Revenue Administration of Lower Burma for 1886-87	3
Report on the Administration of the Meteorological Department of the Government of India in 1886-87	1
Report on the River-borne Traffic of the Lower Provinces, Bengal, and on the Inland Trade of Calcutta, and on the Trade of Chittagong and the Orissa Ports, with Notes on Road Traffic, 1885-86	1
Report on the Meteorology of India in 1885-86	2
Report on the Administration of the Madras Presidency for 1886-87	1
Report on the Operations of the Department of Land Records and Agriculture, North-Western Provinces and Oudh, for 1887	2
Report on the Administration of Criminal Justice in Oudh for 1886	1
Report on the Administration of Civil Justice in Oudh for 1886	1
Report of the Assistant Director of Agriculture on Tobacco cultivation in Burma during the season of 1885-86	1
Report of the Department of Land Records and Agriculture, Deccan, for 1887 ...	1
Report on the Cawnpore Experimental Station for the Rabi season of 1886-87	2
Report on the Rail-borne Trade of Bengal for 1885-86	1
Report on the Government Agri-Horticultural Gardens, Lahore, for 1886-87	2
Reports on certain samples of the pods of the Divi-divi tree from Bombay	2
Report of certain Tobacco manufacturers in Great Britain and Ireland for 1886 ...	2
Resolution on the Revenue Administration of the Central Provinces for 1885-86 ...	1
Resolution on the Management by Government of Private Estates in the Central Provinces for 1886	1
Returns of Agricultural Statistics of British India for 1885-86	1
Review of the Revenue Administration of the Province of Oudh for 1886	1
Review of Forest Administration in British India for 1885-86	1
Revenue Records, Punjab, on the Wheat crop of the Punjab for 1886-87	2
Scientific Memoirs by Medical Officers of the Army of India, Part 3, for 1887	1
Selections from the Records of the Mysore Government for 1887	1
Selections from the Records of the Government of India, Home Department, for 1885-86.	2
Supplement to the Australian Museum Report for 1886	1
Thirty-fourth Annual Report of the Managing Committee of the Kurrachee Municipal Library and Museum, 1887	2
Trade Report of the North-Western Provinces and Oudh for 1886	2

C-6.

Patent Office Papers.

	Volumes.
Alphabetical Index of Patents and Applicants for Patents of Inventions, from January to October 1886	2
Index of Applicants for Patents of Inventions for 1886	1
Index of Applicants for Patents of Inventions, from January to September 1887 ...	6
Specifications relating to Sewing and Embroidering, Part 2, A.D. 1867—76	1
Specifications relating to Brewing, Wine-making and Distilling Alcoholic liquors, Part 3, A.D. 1877—1883	1

	Volumes.
Specifications and Drawings, Vols. 33 to 60 and 70 to 81, for 1885	40
Specifications and Drawings, Vols. 1 to 32 for 1886	32
Subject-matter Index of Applications for Letters Patent, from January to November 1886	3
Subject-matter Index of Applications for Letters Patent, from January to September 1887	6

D-1.

LIST OF BOOKS ADDED TO THE SCIENTIFIC LIBRARY.

By Purchase (Standard Works).

	Volumes.
Barraude, F. J., Systeme Silurien du Centre de La Boheme, Vol. 7, 1887	1
Beddard, F. E.—The Zoological Record for the year 1886, Vol. 23	1
Iconographie der Schalentragenden Europaischen Meeresconchylien, by Dr. W. Kobelt Heft, 6 and 7	1
Semper, Dr. C., Reisen in Archipel deo Philippinen Zweiter Theil die Marseniaden, Supt. Heft 4, 1887	1
Semper, Dr. C., Reisen in Archipel der Philippinen Zweiter Theil die Tagfalter Rhopalacera	1

D-2.

Periodicals.

Annals and Magazine of Natural History	Nos. 111 to 120 for 1887; Nos. 1 and 2 for 1888.
Annales de la Societe Entonologique de France.	No. 4 for 1886; Nos. 1 to 3 for 1887.
Annales des Sciences Naturelles, Botanique	Vols. 5 and 6 for 1887.
Annales des Sciences Naturelles, Zoologie	Vols. 3 and 4 for 1887.
Bulletin de la Société Imperiale de Moscou	No. 4 for 1886.
Ibis—A Quarterly Journal of Ornithology	Nos. 17 to 20 for 1887; No. 21 for 1888.
Journal de Conchyliologie	Vol. 35, Nos. 1 to 4 for 1887.
Journal of the Linnean Society, Botany	Nos. 152 to 154 for 1886 Nos. 158 to 161 for 1887.
Journal of the Linnean Society, Zoology	Nos. 127 to 137 for 1887.
Nature—A Weekly Illustrated Journal of Science.	Vols. 35-36, Nos. 906 to 939 for 1886-87; Vol. 37, Nos. 940 to 959 for 1887-88.
Nouvelle's Archives du Museum d' Histoire Naturelle.	No. 2 for 1886; No. 1 for 1887.
Proceedings of the Zoological Society	No. 4 for 1886; Nos. 1 to 3 for 1887.
Quarterly Journal of the Geological Society	Nos. 169 to 172 for 1887.
Transactions of the Entomological Society	Nos. 1 to 4 for 1887.
Transactions of the Entomological Society, Botany.	Vol. 2, No. 10 for 1885-86.
Transactions of the Palæontographical Society.	Vols. 40-41 for 1886-87, 2 Vols.

D-3.

By Gift (Standard Works).

	Volumes.
A General Guide to the British Museum (Natural History)	1
Ancient Egyptian texts from the Coffin of Amamu in the British Museum, folio	1
Catalogue of the Fossil Mammalia in the British Museum, Part 4, by R. Lydekker	1
Catalogue of Bengali Printed books in the British Museum	1
Catalogue of Lizards, Second edition, Vol. 3rd, by G. A. Boulenger	1
Catalogue of Coins of the Shâhs of Persia in the British Museum	1
Guide to the Galleries of Reptiles and Fishes	1

D-4.

Fish Library.

	Volumes.
Correspondence relative to the North American Fisheries, 1884—87	2
Fifth Annual Report of the Fishery Board for Scotland for the year 1886	1

	Volumes.
First Annual Report of the Inspector of Sea Fisheries, England and Wales, for the year 1886	1
Report of the Inspectors of Irish Fisheries of the Sea and Inland Fisheries of Ireland for 1886	1
Sea Fisheries of the United Kingdom	1
Summary of Reports by Officers of the Fishery Board in Scotland	1
Twenty-sixth Annual Report of the Inspectors of Fisheries, England and Wales, for the year 1886	1
United States Commission of Fish and Fisheries. The Fishery Industries by Goode, G. B.	2

D-5.

Blue Books.

	Volumes.
Convention between Her Majesty and His Majesty the Emperor of China relating to Burma and Thibet	1
Correspondence respecting the Ruby Mines of Upper Burma, No. 2, 1887	1
Correspondence respecting the Affairs of Central Asia, No. 1 (1887)	1
East India (Abkâri Administration)	1
East India Accounts and Estimates, 1887-88	1
East India (Abkâri Administration, Tannah and Kolaba)	1
East India (Contagious Diseases Acts)	1
East India Estimate for 1886-87	1
East India Loans raised in India	2
East India Loans raised in England	2
East India (Home Accounts)	1
East India Financial Statement, 1887-88	1
Further Correspondence relating to Burma, No. 1, 1887	1
Gold and Silver—First Report of the Royal Commission	1
India Public Service Commission—Extract from the Proceedings of the Government of India	1
Military Executions and Dacoity in Burma, No. 2 (1886)	1
Post Office Mail Contract (East India and China)	1
Proceedings of the Colonial Conference (1887), Vols. 1 and 2	2
Records of the India Office, by J. C. Danvers, Vol. 1, Part 1	1
Report of the Royal Commission for the Colonial and Indian Exhibition, 1886	1
Report from the Select Committee on Forestry	1
Report on Sanitary Measures in India in 1885-86, Vol. 19	1
Report by Mr. H. E. Fulford of a Journey in Manchuria, China, No. 2 (1887)	1
Second Report of the Royal Commissioners on Technical Institution, Vol. 5	1
Seventeenth Annual Report of the Deputy Master of the Mint, 1886	1
Statistical Abstract relating to British India from 1876-77 to 1885-86, 21st number	1
Statement of the Trade of British India for the years 1880-81 to 1884-85	1
Statement of the Trade of British India with British Possessions and Foreign Countries for the five years 1881-82 to 1885-86	1

D-6.

Trübner's Oriental Series.

	Volumes.
E. H. Whinfield, Masnavi I Mánavi	1
F. H. Balfour, Chinese Scrapbook	1
J. Jolly, Manava Dharma Sastra	2
Miscellaneous Papers relating to Indo-China	1
R. N. Cust, Linguistic and Oriental Essays	

D-7.

Record Publications from the Master of the Rolls.

	Volumes.
Calendar of Documents, Ireland, 1302-1307	1
Calendar of State Papers, Spanish, 1534-35	1
Chronicon Abbatiæ Rameseiensis	1
Chartularies, &c., St. Mary's Abbey, Dublin, Vol. 2nd	1
Cartularium Monasterie de Rameseia, Vol. 2nd	1
Letters and Papers, Foreign and Domestic, Henry 8th, Vol. 9, 1535	1

	Volumes
Polychronicon Ranulphi, Higden, Vol. 9	1
Registrum Epistolarum, J. Peckham, Arch. Cant. Vol. 3rd	1
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MADRAS,
4th July 1888.

(Signed) EDGAR THURSTON,
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Leaf-shaped flake of chert, Bantanhal, Sorapur taluk, Nizam's Dominions.
Oval flake knife of flint, Lemonstier. Bone cave, France.
Unfinished implement of chert, Patpad, Banganapalle, Kurnool district.

APPENDICES.

A.

GENERAL LIST OF THE CONTRIBUTIONS, &C., RECEIVED FOR THE GOVERNMENT CENTRAL MUSEUM FROM 1ST APRIL 1887 TO 31ST MARCH 1888.

	NO.
Agri.-Horticultural Society, Honorary Secretary—	
Rope and basket made out of "pish" (*Chamæ rops Ritchicana*) leaves ...	...
Arbuthnot and Company, Messrs., Proprietors, Madras Portland Cement Works—	
Specimens of Madras Portland Cement	5
Baker, Captain—	
Fish (Stegostoma tigrinum)	1
Bartlett, W. H., Esq.—	
Woodpecker (Brachypternus chrysonotus)	1
Bellary, District Magistrate of—	
Brass coins	13
Bidie, Surgeon-General G., M.B., C.I.E.—	
Palmyra fibre baskets used for carrying onions on boardship at Tuticorin ...	3
Bond, Master, H.—	
Moth	1
Bourne, Dr. A. G.—	
Frog (Ixalus variabilis.) 1	2
Fish (Muræna tessellata) 1	
Cammiade, Master—	
Egg	1
Carter, H. R. P., Esq.—	
South Indian Hedgehog (Erinaceus micropus)	2
Coimbatore, Collector of—	
Silver coins	14
Curtis, Colonel—	
Batrachian (Ixalus variabilis)	1
Daly, William Mahon, Esq., Yercaud, Shevaroys—	
Bird (Astur badius) 1	17
Birds (Estrelda amandava) 3	
Birds' eggs {Caprimulgus asiaticus 2	
Birds' eggs {Seena aurantia 2	4
„ (Pelicanus philippensis) 1	
„ (Urrua coromanda) 1	
„ (Falco jugger) 1	
„ (Micronisus badius) 1	
„ (Cotyle sinensis) 1	
„ (Glareola lactea) 1	
Frog (Callula triangularis) 1	
Snake (Silybura shortii) 1	
Annelida and crustacea from Covelong.	
Ditmas, F. W., Esq.—	
Tortoise (Emys trijuga) 1	3
Embryo of do. (do.) within its egg 1	
Snake (Chersydrus granulatus) 1	
Dodd, Messrs. W. and A.—	
Birds' eggs	13
Doyle, Reverend James—	
Abnormal Duck's egg	1
Fiddian, J. P., Esq.—	
Death's head moth (Acherontia atropos) ?	1
Fisher, Mr. J.—	
Copper Bactrian, Indo-Scythic and Gupta coins	8
Foote, R. B., Esq., F.G.S., Geological Survey of India—	
Drinking bowl found at a depth of 2 or 3 feet below the surface of the bat ground in the second south passage of the Yerreozari Gabbi (cave) near Banganapalle, Kistna district.	
Gilchrist, William, Esq.—	
Jungle cat (Felis chaus) 1	2
Larva of a beetle 1	
Giles, Dr.—	
(Amphioxus lanceolatus) 1	2
Crustacea, echinodermata, &c., dredged off the Seven Pagodas by H. M. S. S. *Investigator* ... ... Lot.	
Gnanapragasum, T. A., M.R.Ry.—	
Hyderabad dubs	5
Govindarajooloo, M., M.R.Ry.—	
Abnormal hen's eggs	2

	No.	
Griffin, Albert Charles, Esq.—		
Insect (Bacillus sp.)	1	
Ghulam Dastgir Sahib—		
Crab	1	
Hackett, Dr. A. L., Kilpauk—		
Painted bats (Kerivoula picta)	2	
Hakim Mahomed Abdul Ali—		
Mahommedan bookstand designed out of a single piece of wood	1	
Hasted, Colonel, R.E.—		
Moth	1	
Havell, E. B., Esq., Superintendent, School of Arts, Madras—		
Chrysalis of a butterfly (Euplœa asela)	1	3
Moth (Partula macrops)	1	
Tusser silk worm	1	
Henderson, Captain, Acting Principal, Civil Enginering College, Madras—		
Eggs (Hypotriorchis severus)	4	33
„ (Athene brama)	2	
„ (Drymoipus inornatus)	3	
„ (Ploceus baya)	3	
„ (Passer indicus)	3	
„ (Columba intermedia)	5	
„ (Herodias egrettoides)	6	
„ (Tantalus leucocephalus)	6	
Egg (Ardeola leucoptera)	1	
Henderson, Dr., Egmore—		
Frogs Rana gracilis (Nílgiris)	2	20
Batrachian (Callula olivacea)	1	
Fish (Syngnathus acus)	1	
Crustacea (Matuta miersei)	2	
„ („ lunaris)	1	
„ („ victrix)	1	
„ (Albunea symnista) male and female	2	
„ („ „)	1	
„ (Diogenes miles)	2	
„ („ custos)	1	
„ („ herbstii)	1	
„ (Dorippe sp.)	1	
„ (Calappa sp.)	1	
Mollusc (Bulla fasciata)	2	
Copper Dutch East India Company's coins.		
Higgins, A. W. B., Esq., Deputy Conservator of Forests, Cuddapah—		
Beetle	1	
Holmes, W. Hamilton, Esq., Madras Club—		
Moths (Bombyx mori)	3	4
Caterpillar of a moth (Antheræa perrotetti)	1	
Honorary Secretary (Philological), Asiatic Society of Bengal, Calcutta—		
Gold coins	2	45
Silver coins	43	
Hutchins, Captain H. L., M.S.C.—		
Earthenware Burmese Guatamas, one silvered and one gilt	2	4
„ Peacock pice (different)	2	
James, Captain, Nungumbaukum—		
Stone shot from Pámban	1	
James, C. W., Esq.—		
Moth	1	2
Cocoon	1	
Jensen, Rev. H.—		
Shells (Helices) from Denmark	19	
Johnston, J. C., Esq., Executive Engineer, Cuddapah Division—		
Old copper still found amidst the foundations of the old Collector's Cutcherry, Cuddapah.		
Judge, H. M., Mr.—		
Insect (Nepa grandis)	1	
Laing, Mrs.—		
Woodcock (Scolopax rusticola)	1	
McLeod, Colonel H.—		
Crustacea (Hippa asiatica)	1	
Madura, Collector of—		
Caterpillars destructive to dry crops	Lot.	2
Coins	„	
Mahomed Mason Sahib, Triplicane—		
Abnormal hen's egg	1	

	No.	
Mahomed Mossim, Triplicane—		
Egg of a snake	1	
Malabar, Collector of—		
Gold fanams	63	
Marshall, H. H., Esq.—		
Pumice stone	1	
Mason, Master Charles William—		
Butterfly	1	
Mason, Miss Hilda—		
Moth	1	
Michie Smith, C., Esq.—		
Copper Dutch East India Company's coins.		
Minchin, J. W., Esq —		
Rhæa fibre.		
Moss, Samuel C., Esq., Forest Department—		
Mineral specimens	2	
Mylitta Silk Mills Company. The Managing Director of the—		
Samples of Tussar cocoons, silk, and waste	Lot.	6
„ of "Yama mai" cocoons and silk reeled from them	„	
„ of Pernyi cocoons and silk reeled from them	„	
„ of Eria cocoons	„	
True Bombyx mori cocoons reared in France from Japan seed	„	
Skein of Tussah silk spun by the native process	„	
Mysore Government Museum, Superintendent of—		
Silk cotton	1	
Nellore, the District Forest-officer—		
Specimen of Asbestos	1	
Phipps, Captain—		
Marine invertebrata—		
Porter, Dr. A.—		
Jungle sheep's skin	1	
Miss Angalique Sauria Halkie, the Estate of—		
Portuguese Gold coin of the last century	1	
President, Municipal Commission, Madras—		
Tiger cub (Felis tigris)	1	9
Cheetahs („ pardus)	2	
Badger (Mellivora indica)	1	
Kangaroo (Macropus sp.)	2	
Cockatoo (Cockatua sp.)	1	
Pheasant (Lophophorus impeyanus)	1	
Pelican (Pelecanus philippensis)	1	
Price, J. F., Esq.—		
Land crab (Telphusa n. sp.) from Ootacamund.—		
Rajagopala Charriar Avergal, P., M.R.Ry., Acting General Deputy Collector, Námakal Division—		
Double-stinged scorpion	1	
Rajaratna Moodelliar, P., M.R.Ry.—		
Green Parrot (Electus polychrous)	1	
Rea, A., Esq.—		
Tombs from Pallávaram	2	11
Small pots found in a tomb having a quantity of bones in one	9	
Robinson, W. R., Esq.—		
Bat (Taphozous longimanus)	1	2
Insect (Nepa grandis)	1	
Runganayacooloo Chetty, S., M.R.Ry., Saidápet—		
Shells	Lot.	
Salem, District Forest-officer—		
Fibres	24	
Shortt, J., Retired Deputy Surgeon-General—		
Bird (Iora zeylanica)	1	86
Birds' skins (not fit for stuffing)	3	
Bird in spirit	1	
Reptiles	22	
Frogs	21	
Toad	1	
Tadpoles	27	
Insects	7	
Caterpillar	1	
Ants	Lot.	
Ant's nest	1	

	No.
Smart, Captain—	
Insects from Elephanta	10
Spence, Lieutenant, Gun Powder Factory, Madras—	
Caterpillar	1
South Canara, the Collector of—	
Gold coins	3
Steavenson, J., Esq.—	
Insect (Cerambyx sp.)	1
A curiously flattened Casuarina stem	1 } 2
Stephenson, A. E., Esq.—	
Abnormal chicken	1
Egg	1 } 2
Tanjore, Collector of—	
Gold coins	7
Taylor, Captain J. H.—	
Chola copper coins	4
Thomas, H. S., Esq.—	
Fresh water fishes from Kodaikánal.—	
Thomas, Miss, Nungumbaukum—	
The Indian Koel (Eudynamis orientalis).	
Thorowgood, F. N., Esq., Nungumbaukum—	
Russell's Viper (Daboia elegans)	1
Tracy, Rev. J., Tirumangalam—	
Specimens of pottery from Paravai	2
Tufnell, Captain R. H. C.—	
Reptiles and Batrachians from Kodaikánal	} Collection.
Lepidoptera from Palni Hills	
Vadanayagam Pillay, M.R.Ry.—	
Specimen of fossil wood	1
Váyalpád Taluk, Sub-Collector of—	
Gold coin	1
Venkaya Royadu, Maharajah, B.—	
Fossil shells	13
Wicks, Captain G., Port officer, Mangalore—	
Bird (Sterna javanica)	1
Fish (Balistes erythrodon)	1
,, (Ichthyscopos inermis)	1 } 3

B.

Visitors to the Government Central Museum from 1st April 1887 to 31st March 1888.

1887-88.	Signatures made in English.	Telugu.	Hindustani.	Tamil.	Mahratta.	Nagaree.	Guzerattee.	Canarese.	Chinese.	Singalese.	Malayalam.	Bengalee.
1	2	3	4	5	6	7	8	9	10	11	12	13
April	1,665	333	135	1,084	14	5	*13	8	..	..	18	..
May	2,460	314	145	1,204	2	5	12	18	..	1	15	..
June	2,815	626	242	2,236	10	4	23	33	2	..	10	..
July	2,039	463	197	1,702	8	15	28	2	..	..	53	..
August	2,273	589	350	2,080	21	7	38	12	..	..	65	..
September	2,000	362	122	1,731	13	4	21	16	..	..	51	4
October	1,386	328	107	1,648	9	5	5	16	..	..	64	..
November	1,973	482	334	1,494	2	18	34	50	..	..	56	..
December	4,220	574	237	2,306	19	30	115	42	..	3	103	3
January	3,425	606	298	1,879	18	31	57	32	..	..	65	6
February	2,184	409	222	1,439	8	9	18	24	..	..	39	..
March	2,164	472	258	1,545	9	10	46	15	3	5	43	3
Total	28,604	5,558	2,647	20,348	133	143	410	268	5	9	582	16

1887-88.	Total of signatures.	Unable to sign, but tally kept.	Total of visitors.	Number of: Men and boys.	Number of: Women and girls.	Total of visitors.
	14	15	16	17	18	19
April	3,275	10,483	13,758	8,211	5,547	13,758
May	4,176	10,934	15,110	9,274	5,836	15,110
June	6,001	14,971	20,972	13,820	7,152	20,972
July	4,507	13,507	18,014	10,925	7,089	18,014
August	5,435	15,845	21,280	13,162	8,118	21,280
September	4,324	14,431	18,755	11,301	7,454	18,755
October	3,568	13,236	16,804	9,829	6,975	16,804
November	4,443	12,964	17,407	10,748	6,659	17,407
December	7,652	39,487	47,139	24,757	22,382	47,139
January	6,417	29,229	35,646	19,698	15,948	35,646
February	4,352	15,748	20,100	12,708	7,392	20,100
March	4,573	14,624	19,197	11,307	7,890	19,197
Total	68,723	205,459	264,182	155,740	108,442	264,182

C-1.

List of Books added to the Public Library.

1.—*By Purchase (Standard Works).*

	Volumes.
Agassiz, Monographies D'Echinodermes Vivans et Fossiles	1
Agricultural Pests of India, by Balfour, E.	1
Alwis, Rev. C.—History of the Island of Lanka	1
Arnold, Edwin—Poetical Works of	6
Arnold, Edwin—India revisited	1
Burmese Scripture on Cadjan	1
Ceylon—A General Description of the Island, Historical, Physical, Statistical, by an Officer, late of the Ceylon Rifles	2
Church, A. H.—Food-grains of India	1
Claus and Sedgwick Elementary Text Book of Zoology	2
Curtis' Botanical Magazine, Vol. 43, for 1887	1
Darwinism Tested by Language, by F. Bateman	1
De Candolle Monographiæ Phanerogamarum, Vol. 5, Part 2	1
Depths of the Sea, by Wyville Thomson	1
Distinguished Anglo-Indians, by W. F. B. Laurie	1
Eastern Carpets, by Vincent Robinson	1
Encyclopædia Britannica, Vol. 22nd	1
Fauna and Flora Des Golfes Von Neapel	7
Geddes, M.—History of the Church of Malabar	1
Geddes, M.—History of the Church of Ethiopia	1
Gcherzer, Reiffe Der Novara um Die Erde, Erster Band	2
Gutzlaff's Sketch of Chinese History	2
Hæckel System Des Craspedoten	2
Heber, R.—Narrative of a Journey through the Upper Provinces of India	3
Hincks, T.—History of the British Marine Polyzoa	2
Indian Ferns, by C. E. Baynes	1
Initial Coinage of Bengal, by Edward Thomas	1
Inglis, D.—Spain in 1830	2
Jenyns, Rev. F. G.—A Book about Bees	1
Jerdon's Illustrations of Fishes	1
Lee, A. B.—The Microtomist's Vade Mecum	1
Leuckart, Rudolf—The Parasites of Man	1
Life and Letters of Charles Darwin	3
Lotus and Jewel, by E. Arnold	1
Manual of Ethnology, by C. L. Brace	1
Map of the Island of Ceylon	Map 1
Marion's Practical Guide to Photography	1
Nomenclature of Color for Naturalists by Ridgway, R., 1886	1
Now and Then, by Samuel Warren	1
Oakely, R. B.—The Pagoda of Hallibeed, folio	1
Oostindische Voyagien	2

	Volumes.
Ormerod, E. A —Report on Injurious Insects	1
Percival's, P., Rev.—Tamil Proverbs with English Translation	1
Physiography, an Introduction to the Study of Nature, by T. H. Huxley	1
Price, M. D.—Memoirs of the Emperer Jahangheir	1
Quarterly Journal of Microscopical Science, Nos. 102 to 108	7
Recent Polar Voyages—A Record of Adventure and Discovery	1
Skeen, W.—Early Typography	1
Standard Pronouncing Dictionary of the English Language by Nuttall, P. A	1
Stewart, C.—Memoirs of the Moghul Emperor Humayun	1
Streeter, C. W.—Pearls and Pearling Life	1
Tank Angling in India, by H. S. Thomas	1
The British Isles, by E. Reclus	1
The Copper, Tin and Bronze Coinage and Patterns for coins of England	1
The Ocean, by E. Reclus	1
Thomas, E.—Early Sassanian Inscriptions, Seals and Coins	1
Transactions of the Internationl Congress of Prehistoric Archæology, 1868	1
Wheeler, J. T.—India under British Rule	1

C-2.

Periodicals.

American Naturalist—Nos. 1 to 12 for 1887, October wanting.
Annual Register—for 1886.
Asiatic Journal and Monthly Register from the year 1825 to 1836—Vols. 31.
Asylum Press Almanac for 1888.
Illustrated London News—Vols. 91-92, for 1887-88.
Journal of the Royal Asiatic Society of Great Britain and Ireland—Vol. 19, for 1887.
London Times, Weekly Edition—Nos. 536 to 583, for 1887-88.

C-3.

By Gift (Standard Works).

	Volumes.
Albertic Theorem, by Venkaya Royadu, B	1
Archæological Survey of India Reports, Vol. 23rd, Punjab and Rajputana, 1883-84, by Garrick	1
Archæological Survey of India Reports, by Cunningham, Vols. 1 to 23, with General Index	1
Buckler, W.—Larvæ of British Butterflies and Moths, Vols. 1 and 2	2
Candles, by G. Watt	2
Catalogue of the Moths of India, by E. C. Cotes, Parts 1 and 2	2
Catalogue Des Plantes Des Jardins Coloniaux, Pondicherry	1
Cyclone Memoirs, Part 1, Bay of Bengal, May 20th—28th, 1887	1
Civil Travelling Code, Chapters 1 to 15 only, Provisional issue	1
Descriptive Catalogue of the Medusæ of the Australian Seas, by R. V. Lendenfeld	1
Description of Roman Imperial Aurei, by Caldwell	1
Department of Agriculture Report, 1886	1
First Report on the Collection of Birds in the Colombo Museum	1
Geological Annual Report, Vol. 1, 1885	1
Hooper, Gums, Resins and other Economic Products in the Mysore Government Museum—Notes on the	1
Hooker's Flora of British India, Parts 13 and 14	2
Imperial Gazetteer of India, by W. W. Hunter, Vols. 9, 10, 11	3
King, New Species of Ficus from New Guinea	1
Lepidoptera of Ceylon, by F. Moore, Part 13	1
List of Photographs of Ancient Buildings and Antiquities, Madras	1
List of Notifications and Rules	1
List of Wood Specimens in the Museum of the Central Forest Office, Madras	1
Madras Meridian Circle Observations, 1862—1864	1
Manava Dharma Sastra, by V. N. Mandlike	3
Manual of the Coimbatore District, by F. A. Nicholson	1
Manual of the Geology of India, Part 4, Mineralogy, by F. R. Mallet	1
Manual of Malabar, Vol. 2, by W. Logan	2
Map of India showing density of Population	1
"My Children," Part 1, Their Health	1
New Law of Oscillation and a New Theory of Tides, Winds, &c., by Venkaya Royadu	1

	Volumes.
Notices of Sanskrit Manuscripts by Rajendralala Mitra, Vol. 4, Part 2; Vols. 5 to 8 and Vol. 9, Part 1, Nos. 13 to 22 for 1877 to 1886-87	10
Numismatique Des Indes Neerlandaises	1
Paper-making, by Cross, C. F., and Bevan, E. J.	1
Photograph of the Eight-branched Palmyra Palm near Tanjore	1
Photograph of the largest Car in South India, Tiruválúr in Tanjore, decorated for the Festival	1
Pictorial Tour round India	1
Preservation of National Monuments, India, Agra and Gwalior	1
Preservation of National Monuments, Delhi	1
Preservation of National Monuments, Meywar	1
Preservation of National Monuments, Buildings in the Punjab	1
Preservation of National Monuments, India; Great Temple to Siva and his Consort at Madura	1
Preservation of National Monuments, India, Græco-Buddhist Sculptures from Yusufzai.	1
Preservation of National Monuments, India, Temples at Trichinopoly	1
Preservation of National Monuments, India, Tomb of Jahangir at Shahdara near Lahore	1
Preservation of National Monuments, India, Golden Temple at Amritsar, Punjab	1
Preservation of National Monuments, India, Great Buddhist Tope at Sanchi	1
Religious Reform, Parts 1 and 2, Philosophic Hinduism	2
Report on the Search for Sanscrit Manuscript in the Bombay Presidency by Bhandarkar, R. G., 1883-84	1
Report on the Scientific results of the Exploring voyage of the *Challenger*, H. M. S., 1873—76, Botany, Vol. 2nd	1
Report on the Scientific results of the Exploring voyage of the *Challenger*, H. M. S., 1873—76, Zoology, Vols. 17 to 22	9
Smithsonian Report, 1885, Part 1	1
Species of Loranthus indigenous to Perak, by G. King	1
The Entomologist, 1887, Nos. 288 and 289	2
The Buddhist Stupas of Amarávati and Jaggayapet in the Kistna district, Madras Presidency, by J. Burgess	1
Thomas—The Pearl Oyster of the Gulf of Manaar	1
United States Department of Agriculture—Fourth Report of the United States Entomological Commission, by Riley, V.	1
United States Department of Agriculture—Reports of Observations and Experiments in the Practical work of the Division, Nos. 13 and 14	4
United States Department of Agriculture, Division of Entomology—The Icerya or Fluted scale or cottony cushion, scale No. 15	2
United States Department of Agriculture—Work of the Division of Entomology for the Season of 1885, No. 12	1
Watts', G.—Report on Indian Fibres and Fibrous substances	1
Woods—Catalogue of, in the Mysore Government Museum	1

C-4.

Periodicals (By Gift).

Avifauna of British India and its Dependencies, by James Murray, Parts 2 and 3, for 1887.
Fort St. George Gazette, Nos. 13 to 49 for 1887; Nos. 1 to 13 for 1888.
Gazette of India, Nos. 13 to 53 for 1887; Nos. 1 to 12 for 1888.
Indian Antiquary by Burgess, J., Vol. 16 for 1887.
Journal of the Asiatic Society of Bengal, Part 1, Nos. 1 and 2; Part 2, Nos. 1 and 2 for 1887.
Journal of the Bombay Branch of the Royal Asiatic Society, Vol. 17, No. 46 for 1887.
Journal of Indian Art, Parts 17 to 21.
Madras Journal of Literature and Science, by Tufnell, R. H C., Part 1 for 1886-87.
Memoirs of the Geological Survey of India (Palæontologia Indica), Vol. 4, S. 10—13.
Memoirs of the Geological Survey of India, Vol. 24, Part 1.
Oesterreichische Monatsschrift fur den orient, Nos. 2 to 5, 9, 10, 11 and 12 for 1887.
Proceedings of the Asiatic Society of Bengal, Nos. 1 to 8 for 1887.
Quarterly Journal of Veterinary Science in India, Nos. 17—22 for 1886-87.
Records of the Geological Survey of India, Nos. 1—4 for 1887.
Statement of Imports and Exports, March to December 1887, January and February 1888.
The Pandit—A monthly publication devoted to Sanscrit Literature, Nos.1 to 12 for 1887.
The Indian Annals and Magazine of Natural Science by Murray, J. A., Vol. 1, Nos. 1—3 for 1887.

C-5.

Reports.

	Volumes.
Administration Report of the Bombay Jails for 1886	1
Administration Report of the Jails of Bengal for 1886	1
Administration Reports, 1885 (Part 4, Miscellaneous, Ceylon Museum)	1
Annual Report on the Foreign Trade of the North-Western Provinces and Oudh for 1887	2
Annual Report, with Tabular Statements of the Condition and Management of the Jails in the North-Western Provinces and Oudh for 1886	1
Annual Report of the Madras Court of Small Causes for 1886	1
Annual Report on the Jails of the Hyderabad Assigned Districts for 1886	1
Annual Administration Report of the Forest Department, Madras Presidency, for 1885-86	1
Annual Report on the Government Cinchona Plantation in Bengal for 1886-87	2
Annual Report of the Royal Botanic Garden, Calcutta, for 1886-87	2
Annual Report of the Khandesh Experimental Farm for 1887	2
Annual Report of the Administration of the Land Revenue in Assam for 1886-87	1
Annual Report on the Administration of the Prisons in the Province of Coorg for 1886.	1
Annual Report of the Lunatic Asylums in the Madras Presidency for 1886	1
Annual Report of the Director, Land Records and Agriculture, Bombay Presidency, for 1886-87	2
Annual Report of the Department of Land Records and Agriculture, Assam, for 1886-87	2
Annual Report of the Agricultural Department, Bengal, for 1886-87	2
Annual Report of the Madras Medical College for 1886-87	1
Annual Report of the Department of Revenue Settlement and Agriculture, Madras, for 1885-86	1
Annual Report on the Progress and Condition of the Mysore Government Museum for 1887	1
Annual Report of the Government Experimental Farm, Hyderabad, Sind, for 1887	2
Annual Returns of the Civil Hospitals and Dispensaries in the Madras Presidency for 1886-87	1
Annual Volume of the Sea-borne Trade and Navigation of the Madras Presidency for 1886-87	1
Accessions to the Indian Museum, Appendix A, for 1886, Part 4	4
Charts of the Bay of Bengal	1
Civil Justice Report of Lower Burma for 1886	1
Civil Statements of the North-Western Provinces for 1886	1
Criminal Justice Report of Lower Burma for 1886	1
Criminal Statements of the North-Western Provinces for 1886	1
Crop Experiments, Bombay Presidency, for 1885-86 and 1886-87	4
Cultivation of the Sugarcane in Bombay	2
Department of Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st December 1886	1
Department of Agriculture, Central Provinces—Report on the Nagpur Experimental Farm for 1886-87	1
Department of Land Records, Settlement and Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st March 1887	4
Department of Revenue Settlement and Agriculture, Madras, 1887—Report on the Out-turn of early crops	1
Fifth Annual Report of the Board of Trustees, City of Milwankee, for 1886-87	1
Indian Meteorological Memoirs, by H. F. Blanford, Vol. 3, Part 2; Vol. 4, Parts 2—4	4
Jeypore Economic and Industrial Museum—Third Report of	1
Madras Land Revenue Reports for 1885	1
Memorandum on the Preservation of Grain by Church	4
Memoirs on the Winds and Monsoons of the Arabian Sea and North Indian Ocean, by W. L. Dallas	1
Meteorological Observations recorded at six Stations in India, by Blanford, H. F., for 1887.	1
Monograph on Silk Industry in the Punjab, 1885-86	1
Progress Report of Forest Administration in the Hyderabad Assigned Districts for 1886-87.	2
Queensland Museum—Report of Board of Trustees for 1886	1
Report on the Prison Administration of Lower Burma for 1886	1
Report on Public Instruction in the Madras Presidency for 1885-86, 1886-87	2
Report on the Jails of the Punjab for 1886	1
Report on the Jail Administration of the Province of Assam for 1886	1
Report on the Administration of the Abkári Revenue in the Madras Presidency for 1885-86	1
Report on the Civil Justice in the Hyderabad Assigned Districts, for 1886	1
Report on Criminal Justice in the Hyderabad Assigned Districts, for 1886	1

obtained it at Madras, and subsequently on the Malabar coast. It has also been found in Bengal, in Dacca, where said not to be rare, and called the 'orange bat;' also in Ceylon, and in Burma and Malayana. It conceals itself in the folded leaf of the plaintain, and its Ceylonese name is properly, as Kelaart tells us, *Kehelvoulha*, meaning "*plantain bat.*"

The specimen of Tupaia ellioti was obtained on the Shevaroy Hills by Mr. W. M. Daly, to whom the Museum is indebted for the donation. The type specimens of this species were obtained by the late Sir Walter Elliot from the Eastern Ghâts between Nellore and Cuddapah.

A specimen of a skull and horns of the wild buffalo (*Bubalus arni*) was acquired by purchase. The length of the line from tip to tip of the horns is 8 feet 7½ inches, and the length of the horns round the outside of them and across the forehead 12 feet 2 inches. In a specimen of the same animal from Central Assam in the British Museum, the same measurements are as follows:—

	FT.	IN.
Length of the horns round the outside of them and across the forehead	12	2
Length of line from tip to tip of the horns	6	8

11. Ethnology and Antiquities.—To Mr. R. Bruce-Foote, Superintendent of the Geological Survey of India, the Museum is indebted for the loan of a portion of his beautiful collection of neolithic and palæolithic implements, celts, corn-crushers, cores, flakes, &c., found in Southern India.

In June 1887 Mr. A. Rea, First Assistant, Archæological Survey Department, proceeded to Pallávaram to attempt the removal of one or more of the ancient pottery sarcophagi to the Museum. From the unwieldiness and fragility of these tombs, the work was expected to be of great difficulty, if not impossibility, as all those hitherto discovered were completely covered with cracks, some of them having not even a square foot of unbroken surface. By the exercise of very great care, however, two of them were safely transferred to the Museum. Of these, one was a pyriform tomb about 2 feet in diameter and 3 feet 6 inches in depth. Around the rim were traces of a cover which had once closed it, being exactly like another semi-globular chatty inverted and placed over the top. A quantity of unburnt human bones were found lying below the earth and stones which filled the tomb. The other was an oblong tomb 6 feet long, 1 foot 8 inches deep, and 1 foot 6 inches broad, and had two rows of legs. It had a number of cracks over its surface, which were cemented together. These tombs have been set up in the gallery of antiquities.

12. The Right Honorable the Governor visited the Museum during the year.

(Signed) EDGAR THURSTON,
Supdt., Govt. Central Museum.

Government Central Museum,
Egmore,
Madras, 4th July 1888.

C-5.

Reports.

	Volumes.
Administration Report of the Bombay Jails for 1886	1
Administration Report of the Jails of Bengal for 1886	1
Administration Reports, 1885 (Part 4, Miscellaneous, Ceylon Museum)	1
Annual Report on the Foreign Trade of the North-Western Provinces and Oudh for 1887	2
Annual Report, with Tabular Statements of the Condition and Management of the Jails in the North-Western Provinces and Oudh for 1886	1
Annual Report of the Madras Court of Small Causes for 1886	1
Annual Report on the Jails of the Hyderabad Assigned Districts for 1886	1
Annual Administration Report of the Forest Department, Madras Presidency, for 1885-86	1
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Annual Report of the Royal Botanic Garden, Calcutta, for 1886-87	2
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Annual Report of the Agricultural Department, Bengal, for 1886-87	2
Annual Report of the Madras Medical College for 1886-87	1
Annual Report of the Department of Revenue Settlement and Agriculture, Madras, for 1885-86	1
Annual Report on the Progress and Condition of the Mysore Government Museum for 1887	1
Annual Report of the Government Experimental Farm, Hyderabad, Sind, for 1887	2
Annual Returns of the Civil Hospitals and Dispensaries in the Madras Presidency for 1886-87	1
Annual Volume of the Sea-borne Trade and Navigation of the Madras Presidency for 1886-87	1
Accessions to the Indian Museum, Appendix A, for 1886, Part 4	4
Charts of the Bay of Bengal	1
Civil Justice Report of Lower Burma for 1886	1
Civil Statements of the North-Western Provinces for 1886	1
Criminal Justice Report of Lower Burma for 1886	1
Criminal Statements of the North-Western Provinces for 1886	1
Crop Experiments, Bombay Presidency, for 1885-86 and 1886-87	4
Cultivation of the Sugarcane in Bombay	2
Department of Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st December 1886	1
Department of Agriculture, Central Provinces—Report on the Nagpur Experimental Farm for 1886-87	1
Department of Land Records, Settlement and Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st March 1887	4
Department of Revenue Settlement and Agriculture, Madras, 1887—Report on the Out-turn of early crops	1
Fifth Annual Report of the Board of Trustees, City of Milwankee, for 1886-87	1
Indian Meteorological Memoirs, by H. F. Blanford, Vol. 3, Part 2; Vol. 4, Parts 2—4	4
Jeypore Economic and Industrial Museum—Third Report of	1
Madras Land Revenue Reports for 1885	1
Memorandum on the Preservation of Grain by Church	4
Memoirs on the Winds and Monsoons of the Arabian Sea and North Indian Ocean, by W. L. Dallas	1
Meteorological Observations recorded at six Stations in India, by Blanford, H. F., for 1887.	1
Monograph on Silk Industry in the Punjab, 1885-86	1
Progress Report of Forest Administration in the Hyderabad Assigned Districts for 1886-87.	2
Queensland Museum—Report of Board of Trustees for 1886	1
Report on the Prison Administration of Lower Burma for 1886	1
Report on Public Instruction in the Madras Presidency for 1885-86, 1886-87	2
Report on the Jails of the Punjab for 1886	1
Report on the Jail Administration of the Province of Assam for 1886	1
Report on the Administration of the Abkári Revenue in the Madras Presidency for 1885-86	1
Report on the Civil Justice in the Hyderabad Assigned Districts, for 1886	1
Report on Criminal Justice in the Hyderabad Assigned Districts, for 1886	1

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following papers:—

From EDGAR THURSTON, Esq., Superintendent, Government Central Museum, to the Secretary to Government, Revenue Department, dated Madras, 4th July 1888, No. 395.

I have the honor to submit to the Right Honorable the Governor in Council my report on the working of the Government Central Museum during 1887-88, and, as it contains a large number of technical terms, I shall be glad to be furnished with a proof of the same before striking off. I also request that I may be supplied with 100 copies for distribution to other Museums, &c.

ADMINISTRATION REPORT OF THE GOVERNMENT CENTRAL MUSEUM FOR THE YEAR 1887-88.

VISITORS TO THE MUSEUM.—The usual statistical returns of the number of visitors to the Museum during the year are given in appendix B. The total number was 264,182 against 233,028 in 1886-87, being an increase of 31,154. The greatest number of visitors on any single day was 19,161 on December the 27th (*Thuwathasee*).

The number of Gosha visitors on the day set apart for them every month was 1,811 against 749 in 1886-87, being an increase of 1,062.

The following statement of visitors to the Museum during the last five years shows the fluctuations from year to year:—

1883-84	242,514
1884-85	272,968
1885-86	311,462
1886-87	233,028
1887-88	264,182

2. BUILDINGS.—The roof of the Lecture-hall and that of the new gallery still leak, and the attempts made to prevent the oozing of moisture from the walls and pillars of the main hall did not prove successful. These defects were duly brought before the notice of the Department of Public Works.

The provision of a *porte-cochère* in front of the Superintendent's house was sanctioned, when funds are available, in Public Works G.O., No. 95 W., of 11th January 1888, at a cost of Rs. 890, and an estimate for Rs. 840 was furnished by the Public Works Department for improvements to the quarters of the Head Taxidermist.

Definite proposals with an estimate amounting to Rs. 240 were placed before Government for the conversion of a disused godown into a water-pandal in my letter No. 96 of 20th February 1888.

The Public Works Department made a thorough inspection of the buildings during the year with a view to general repairs.

3. Establishment.—The only change in the establishment was caused by the retirement of the Librarian after a total service of 32 years. His place was filled by the Assistant Librarian, who was specially exempted from the operation of the Uncovenanted Civil Service Examination rules to qualify him for the operation. A suitable man was recruited from the contingent establishment to fill the vacant post of Assistant Librarian.

4 Herbarium.—The Herbarium-keeper mounted 150 plants and 75 grasses, and arranged the species of the natural order Euphorbiaceæ, so far as they are contained in part XIV of the "Flora of British India." A collection of pulses and grains was named and labelled, and MSS. catalogues of oil-seeds and drugs were prepared.

Mr. M. A. Lawson, Government Botanist, went systematically through and rearranged the specimens contained in the herbarium, illustrative of the following natural orders:—

Ranunculaceæ.	Portulaceæ.	Burseraceæ.	Halorageæ.
Dilleniaceæ.	Tamariscineæ.	Meliaceæ.	Rhizophoreæ.
Magnoliaceæ.	Elatineæ	Olacineæ.	Combretaceæ.
Anonaceæ.	Hypericineæ.	Ilicineæ.	Myrtaceæ.
Menispermaceæ.	Guttiferæ.	Celastrineæ.	Melastomaceæ.
Berberideæ.	Ternstrœmiaceæ.	Rhamneæ.	Lythraceæ.
Nymphæaceæ.	Dipterocarpeæ.	Ampelideæ.	Onagraceæ.
Papaveraceæ.	Malvaceæ.	Sapindaceæ.	Samydaceæ.
Fumariaceæ.	Sterculiaceæ.	Sabiaceæ.	Passifloreæ.
Cruciferæ.	Tiliaceæ.	Anacardiaceæ.	Cucurbitaceæ.
Capparideæ.	Lineæ.	Moringeæ.	Begoniaceæ.
Resedaceæ.	Malpighiaceæ.	Connaraceæ.	Datiscaceæ.
Violaceæ.	Zygophylleæ.	Leguminosæ.	Ficoideæ.
Bixineæ.	Geraniaceæ.	Rosaceæ.	Umbelliferæ.
Pittosporeæ.	Rutaceæ.	Saxifragaceæ.	Araliaceæ.
Polygaleæ.	Simarubeæ.	Crassulaceæ.	Cornaceæ.
Caryophylleæ.	Ochnaceæ.	Droseraceæ.	

5. Artist.—The Artist was, in addition to some minor work, employed in making drawings illustrative of the catalogue of batrachians, and paintings of birds, which have been framed and placed in the bird gallery. The drawings of batrachians were successfully lithographed by Mr. A. Barren.

6. Tours.—During the year two tours were made, viz., to Tuticorin and the Nílgiris. At the former place great assistance was rendered by Captain Phipps, Port officer, in placing boats and divers at my disposal. Large collections, illustrative of the marine fauna, were made, mainly through the medium of native divers, who displayed no little skill, and some of the specimens, *e.g.*, the entire collection of sponges and echinoderms, have been sent to the British Museum, Natural History, for investigation and report. The results of this tour will be published after I have made a further tour to the Gulf of Manaar in the ensuing year.

During my tour on the Nílgiris a large area of both the plateau and slopes was explored, and large collections of birds, reptiles, butterflies, &c., were made, but as I only returned to Madras a few days before the termination of the official year, I reserve a list for my next annual report.

The Museum is greatly indebted to Mr. G. F. Hampson not only for naming many of the butterflies collected, but also for presenting a number of specimens from his admirable collection.

On both tours I was accompanied by the Head and 3rd Taxidermists, who throughout the year did their work with great zeal and ability. The latter unfortunately contracted a severe attack of fever on the Nílgiris.

7. Art Gallery.—Considerable progress was made during the year with the conversion of the old shell gallery into an art gallery. New cases were arranged around the walls, containing samples of silk women's cloths manufactured in various

parts of the Madras Presidency, and in the body of the gallery were exhibited in new cases specimens of Tanjore mixed metalware, the beautiful-chiselled elephant goads from Tanjore, Madras and Kashmir brassware, Bidri ware, Trichinopoly zinc and brass ware, Multán pottery, Vizagapatam ware in ivory and sandalwood, and some of the native jewelry which was returned from the Indo-Colonial Exhibition.

The completed portion of the gallery was screened off from the uncompleted portion by palempores manufactured in the Presidency.

8. Publications.—A preliminary report on the marine fauna of Rámesvaram and the neighbouring islands, and an illustrated catalogue of the coins of Mysore contained in the Museum collection were issued, and I was engaged upon a history of the coinage of the East India Company from the 1st issue of coins, the portcullis money of Queen Elizabeth, in 1601 to the passing of Act No. XIII of 1862. The whole of the records of the Madras Mint were gone through, from which much interesting information with respect to the coinage of the Company was extracted, and arrangements were made with the British Museum for the making of casts of the coins of the Company in the collection of that institution for reference.

An illustrated catalogue of the batrachians (frogs, toads and cœcilians) of Southern India was in the press at the end of the year.

9. Numismatics.—Among the numerous additions to the collection of coins during the year, I may mention (1) silver tungas of the Mogul Emperors Baber and Humayun; (2) a gold coin of Taj-ad-din Yildiz, lieutenant of the Delhi Sultan Muhammad ibn Sam; (3) coins of the Greek and Scythic kings of Bactria and India, Lysias, Rajnabala, Spalirises and Azes, Abdagases, Orthagnes, Zeionises, Kadphises I, and Kadaphes, the bronse coin of the last king having on the obverse a head of the king diademed, and closely resembling the head of Augustus on some of the coins of that Emperor; (4) several new types of Mysore coins; (5) a zodiac Mohur, Capricornus, of Jehangir.

A collection of copper coins, which were found at Kilakarai on the Madura coast, was presented to the Museum. Mr. J. P. James, then Port officer of Pámban, reported in a letter to Government (No. 226, dated 9th August 1887) that, while walking along the beach north-east of Kilakarai to visit the Naajimundel beacons, he noticed the beach strewn with quantities of pottery of various kinds. On making inquiries he was told that the legend runs that, in the time of the Pandyans, there was a large city extending from Kilakarai to Muthupettah, which is about nine miles, and that it also extended to Sheramoodelly Theevo, an island about five miles south; that a hurricane submerged the whole country, and the islands were then formed from part of the mainland. On inquiry whether any coins were ever found, Mr. James was told that they were sometimes, and eventually a parcel of coins was sent to him.

The collections contain in addition to many common coins, several which are of special interest. The former include Buddhist, Vijayanagar, Chola, Pandyan, Setupati, and Indo-French coins, and a coin of the Ceylonese Monarch Sahasa Malla, bearing the legend *Sri-mat Sahasa Malla.*

The latter include (1) a copper coin silvered of Ahsan Shah, commandant in Malabar, who threw off his allegiance to the Delhi Sultan Muhammad ibn Taghlak, and issued coins in his own name; (2) the copper lion coin of the Ceylonese Monarch Parákrama Báhu (1153—1186 A.D.), bearing on the obverse the standing figure of the Raja with a lotus in the left hand and in the right hand a weapon, and the figure of a seated lion with its mouth open showing the teeth in the upper jaw, and on the reverse the seated figure of the Raja and the legend *Sri Parákrama Báhu;* (3) a copper coin of Parákrama Báhu, so far as I am aware hitherto unpublished, similar in every respect to the *Lankeswara* gold coin of that monarch, and bearing the following devices and legend: *Obverse.*—Standing figure of the Raja wearing a conical cap and dhoti, with a lotus flower in the left hand and a weapon in the right hand, standing on the stalk of a lotus which ends in a flower, between which and the left hand are five dots. *Reverse.*—Seated figure of the Raja with a lotus in the left hand and left leg resting on a grating. Legend *Sri Lankeswara;* (4) two Roman copper coins both very much worn and having the legends on the obverses entirely illegible. One bears on the obverse the head of some Emperor, and on the reverse a cross within a circle, while the

other bears on the obverse the head of an Emperor (Decentius or Julianus II ?) and on the reverse the legend VOT XV MULT. XX. in four lines within a laurel wreath, fastened above with a circular ornament.

In addition to numerous coins of the Moghul Emperors of Delhi, the Museum is indebted to the Asiatic Society of Bengal for two coins—impure gold—of Raja Govinda Chandra Deva of the (so-called) Rahtor house of Kanauj, who reigned from 1120—1144 A.D.

10. NATURAL HISTORY—*Sponges.*—The sponges collected at Rámesvaram Island in 1886 and at Tuticorin in 1887 were sent home to be worked out at the British Museum, Natural History by Mr. Arthur Dendy, who has published a report on them in the Annals and Magazine of Natural History for September 1887. The type specimens have been preserved in that institution, and duplicates of the following species are exhibited in the Madras Museum :—

Acanthella carteri (Dendy MSS.)	Tuticorin.
Aplysina fusca (Carter)	Do.
Auletta aurantiaca (Dendy MSS.)	Do.
Aulospongus tubulatus (Bowerbank sp.)	Do.
Axinella donnani (Bowerbank sp.)	Do.
Do. (do.)	Rámesvaram.
Ceraochalina multiformis (Lendenfeld), var. manaarensis (Dendy MSS.)	Tuticorin.
Clathria corallitincta (Dendy MSS.)	Do.
Clathria indica (Dendy MSS.)	Do.
Gelliodes carnosa (Dendy MSS.)	Do.
Hircinia clathrata (Carter)	Rámesvaram.
Iotrochota baculifera (Ridley), var. flabellata (Dendy)	Do.
Megalofastas nigra (Dendy MSS.)	Tuticorin.
Pachychalina spinilamella (Dendy MSS.)	Do.
Phakellia ridleyi (Dendy)	Rámesvaram.
Raspailia fruticosa (Dendy)	Do.
Do. thurstoni (Dendy)	Do.
Suberites inconstans (Dendy), var. digitata, var. globosa	Do.

Crustacea.—Of the large collection of crustacea made at Tuticorin, many still remain to be worked out. The following species, collected at different parts of the coast, were placed in the Museum :—

Albunea symnista (Fabricius)	Madras.
Aniculus typicus (Dana)	Tuticorin.
Atergatis integerrimus (Lamarck)	Do.
Do. lævigatus (M. Edwards)	Do.
Calappa tuberculata (Fabricius)	Pámban.
Cenobita rugosa (M. Edwards)	Madras.
Charybdis crucifera (Fabricius)	Do.
Do. granulatus (de Haan)	Pámban.
Diogenes custos (Fabricius)	Madras.
Do. custos (non-Fabricius), Herbst	Do.
Do. herbstii n. sp.	Do.
Do. miles (Fabricius)	Do.
Doclea hybrida (M. Edwards)	Do.
Galathea elegans (White)	Tuticorin.
Gonodactylus chiragra (Latreille)	Pámban.
Do. trispinosus (White)	Tuticorin.
Hippa asiatica (M. Edwards)	Madras.
Lysiosquilla maculata (Fabricius)	Tuticorin.
Matuta lunaris (Herbst)	Madras.
Do. victrix (Fabricius)	Do.
Do. victrix, var. circulifera (Henderson)	Pámban.
Neptunus sanguinolentus (Herbst)	Madras.
Ocypoda ceratophthalma (Pallas)	Tuticorin.
Do. macrocera (M. Edwards)	Do.
Pagurus deformis (M. Edwards)	Do.
Do. punctulatus (Ollivier)	Do.
Philyra scabriuscula (M. Edwards)	Madras.
Porcellanella triloba (White)	Tuticorin.
Pseudodromia integrifrons n. sp. (Henderson)	Do.
Pseudosquilla ciliata (Fabricius)	Do.

Spiropagurus spiriger (de Haan)	Madras.
Squilla nepa (Latreille)	Cochin
Do. scorpio	Pámban.
Do. sp. Alima larva	Gopálpur.

Mollusca.—The following list shows the species of mollusca, arranged in alphabetical sequence, which were added to the collection :—

Achatina tornensis	Western Ghâts.
Ancillaria ampla	Madras.
Do. (Sparella) cinnamonea	Tuticorin.
Do. do.	Cape Comorin.
Apicalia holdsworthi	Tuticorin.
Arca (Barbatia) lima	Do.
Do. (Scapharca) sp.	Do.
Avicula vexillum	Do.
Do. radiata	Do.
Brechites sp	Do.
Buccinum erythrostoma	Madras.
Bulimus pullus	Cochin.
Bulla fasciata	Madras.
Cantharus melanostoma	Tuticorin.
Cardium asiaticum	Do.
Conus hebræus	Do.
Corbicula occidens	Cochin.
Corbula fortisulcata	Tuticorin.
Crassatella radiata	Do.
Cryptodon vesicula	Do.
Cypræa arabica (young)	Tuticorin.
Do. moneta	Madras.
Do. vitellus	Tuticorin.
Cytherea vestita	Cochin.
Delphinula distorta	Tuticorin.
Dentalium quadrapicale	Cochin.
Dolabella rumphii	Pámban.
Dosinia sp. (young)	Cochin.
Ficula lævigata	Madras.
Fissurella singaporensis	Tuticorin.
Helix madraspatana	Madras.
Leda mauritiana	Tuticorin.
Limnæa sp.	Cochin.
Lithodomus stramineus	Tuticorin.
Do.	Do.
Lithodomus teres	Do.
Do.	Do.
Littorina scabra (young)	Do.
Lobiger sp.	Do.
Marginella angustata	Do.
Melania spinulosa	Pennár River.
Nassa suturalis	Tuticorin.
Natica pulicaris	Do.
Do. sp. (young)	Do.
Paphia trigona	Do.
Pecten flabelloides	Madras.
Pectunculus taylori	Tuticorin.
Phasianella lineolata	Do.
Purpura rudolphi	Madras.
Pyrula spirillus	Tuticorin.
Ranella foliata	Do.
Do. granifera	Madras.
Do. margaritula	Do.
Do. spinosa	Do.
Do. tuberculata	Vizagapatam.
Ringicula doliaris ?	Tuticorin.
Do. sp.	Do.
Rotella elegans	Bellary.
Sanguinolaria sanguinolenta	Ennore.
Solen corneus	Tuticorin.
Tapes malabarica	Do.

Tapes undulata	Tuticorin.
Theora fragilis	Do.
Triforis cingulatus	Do.
Triton do.	Do.
Do. retusus	Do.
Trochus (Gibbula) variabilis	Do.
Do. (Polydonta) radiatus	Do.
Turbinella pyrum	Do.
Do. rapa	Madras.
Turbo articulatus	Tuticorin.
Voluta interrupta	Pámban.
	Tuticorin.

Fishes.—Arrangements have been made for the preparation for the British Museum of Natural History of a collection of the fishes of the Presidency. The following specimens were added to the fish gallery :—

Zygæna blochii	Madras.
Rhinobatus granulatus	Tuticorin.
Scyllium marmoratum	Madras.
Serranus sp.	Tuticorin.
Do. tumilabris	Do.
Do. bœnack	Madras.
Lutianus rivulatus	Tuticorin.
Therapon sp.	Madras.
Pristipoma furcatum	Do.
Apogon auritus	Tuticorin.
Chætodon vagabundus	Pámban.
Chrysophrys sara	Madras.
Holocentrum rubrum	Tuticorin.
Do. sp.	Do.
Pempheris mangula	Do.
Caranx rottleri	Madras.
Chorinemus lysan	Do.
Stromateus niger	Do.
Gobius bynoensis	Tuticorin.
Gobiodon citrinus	Do.
Salarias sp.	Do.
Tetradrachmum aruanum	Do.
Glyphidodon antyerius	Do.
Silurus wallagoo	Madras.
Exocœtus pæcilopterus	Do.
Notopterus kapirat	Do.
Muræna tessellata	Do.
Do. undulata	Do.

Specimens of Branchiostoma sp. (the Lancelet) dredged off the Seven Pagodas were presented to the Museum by Dr. Giles, Surgeon-Naturalist to the Investigator, and specimens of the same species were obtained by myself off the Tuticorin pearl banks.

Batrachians.—A collection in spirit of the Batrachians of Southern India, illustrative of the catalogue which was in the press, was placed in the "Fish gallery."

Birds and Eggs.—During my tour on the Nílgiris a large collection of birds was made with the assistance of native shikarees, and will be reported on at a future date. The following birds, obtained for the most part during a short visit to the Shevaroys at Christmas, or locally, were stuffed during the year :—

No.*	Latin name.	English name.	No.*	Latin name.	English name.
8	Falco peregrinus	Peregrine falcon.	76	Athene brama	Spotted owlet.
9	Do. peregrinator	Shahin do.	78	Do. Malabarica	Malabar do.
17	Tinnunculus alaudarius.	Kestril.	112	Caprimulgus Asiaticus.	Common Indian bee-eater.
23	Micronisus badius	Shikra.			
54	Circus æruginosus	Marsh harrier.	122	Nyctiornis athertoni	Blue-necked bee-eater.
65	Syrnium sinense	Mottled wood owl.	123	Coracias Indica	Indian roller.
69	Urrua bengalensis	Rock horned owl.	129	Halcyon fuscus	White-breasted king-fisher.
72	Ketupa ceylonensis	Brown fish owl.			
74	Ephialtes pennatus	Indian scops owl.	136	Ceryle rudis	Pied king fisher.

* The numbers refer to the numbers in Jerdon's Birds of India.

No.	Latin name.	English name.	No.	Latin name.	English name.
149	Palæornis rosa	Rose-ringed parrakeet.	674	Dendrocitta rufa	Common Indian magpie
180	Brachypteru aurantius.	Golden-backed woodpecker.	684	Acridotheres tristis	Common myna.
			699	Munia undulata	Spotted munia.
194	Megalaima viridis	Small green barbet.	795	Turtur suratensis	Spotted dove.
197	Xantholæma indica	Crimson-breasted barbet.	803	Pavo cristatus	Peacock.
214	Eudynamys orientalis	Indian koel.	814	Galloperdix spadiceus	Red-spur fowl.
255	Upupa nigripennis	Indian hoopoe.	832	Turnix taigoor	Black-breasted bustard quail.
272	Pericrocotus flammeus	Orange minivet.			
278	Dicrurus macrocercus	Common drongo shrike.	845	Charadrius longipes	Golden plover.
282	Chaptia ænea	Bronzed drongo.	867	Scolopax rusticola	Woodcock.
287	Artamus fuscus	Ashy swallow shrike.	871	Gallinago scolopacinus	Common snipe.
288	Tchitrea paradisi	Paradise flycatcher.	873	Rhynchæa Bengalensis.	Painted do.
302	Eumyias albicaudata	Nílgiri blue flycatcher.	880	Philomachus pugnax	Ruff.
353	Orocetes cinclorhynchus.	Blue-headed chat thrush.	891	Actitis glareola	Spotted sand piper.
360	Merula simillima	Nílgiri blackbird	894	Totanus glottis	Green shank.
404	Pomatorhinus horsfieldi.	Southern scimitar babbler.	895	Do. stagnatilis	Little shank.
			902	Porphyrio poliocephalus.	Purple coot.
434	Malacocircus griseus	White-headed babbler.	951	Nettappus Coromandelianus.	White-bodied goose teal.
467	Iora zeylonica	Black-headed green bulbul.			
			964	Querquedula crecca	Common teal.
471	Oriolus indicus	Black-naped Indian oriole.	965	Querquedula circia	Blue-winged teal.
			975	Podiceps Philippensis	Little grebe.
475	Copsychus saularis	Magpie robbin.			

Eggs of the following birds were added to the collection :—

No.	Latin name.	English name.	No.	Latin name.	English name.
11	Falco jugger	Laggar falcon.	840	Cursorius Coromandelicus.	Indian courier plover.
23	Micronisus badius	Shikra.			
70	Urrua coromanda	Dusky-horned owl.	929	Buphus Coromandus	Little egret.
89	Cotyle sinensis	Indian bank martin.	930	Ardea leucoptera	Pond heron.
438	Chatarrhæa caudata	Striated bush babbler.	1004	Pelecanus Philippensis.	Grey pelican.
687	Temenuchus pagodarum.	Black-headed myna.			

Mammalia.—The following skeletons were prepared :—

Presbytis jubatus	Nílgiri langur.
Felis tigris	Tiger.
Do. pardus	Leopard.
Herpestes griseus	Madras mungoos.
Mellivora indica	Indian badger.
Bubalus bubalis	Domestic buffalo.
Elephas indicus	Indian elephant.
Mus bandicota	Bandicoot rat.
Lepus ruficaudatus	Indian hare.

The elephant referred to was a solitary male, which is stated to have been dangerous, and to have formerly killed two men. It was crossing some open country between two forests in the neighbourhood of Chengam, and was followed by a crowd of villagers who fired at it and eventually secured it with ropes in the village of Quilam, where it died. The height of the animal is said to have been about 11 feet.

The following skulls were prepared :—

Felis pardus	Leopard.
Lepus ruficaudatus	Indian hare.
Neomeris phocænoides	Finless dolphin.

The following animals were stuffed :—

Presbytis johnii	Malabar langur.
Cynopterus marginatus	Small fox bat.
Rhinopoma microphyllium	Long-tailed leaf bat.
Kerivoula picta	Painted bat.
Tupaia ellioti	Madras tree-shrew.
Felis chaus	Jungle cat.

The specimens of Kerivoula picta were captured by Surgeon-Major Hackett in his compound in Madras in the early morning, as they were flying around the plantain trees. "This very beautiful bat," Jerdon says (Mammals of India, p. 43), "which, when disturbed in the day time, looks more like a butterfly or moth than a bat, has been found over a great part of India, though nowhere common. I first

obtained it at Madras, and subsequently on the Malabar coast. It has also been found in Bengal, in Dacca, where said not to be rare, and called the 'orange bat;' also in Ceylon, and in Burma and Malayana. It conceals itself in the folded leaf of the plaintain, and its Ceylonese name is properly, as Kelaart tells us, *Kehelvoulha*, meaning "*plantain bat.*"

The specimen of Tupaia ellioti was obtained on the Shevaroy Hills by Mr. W. M. Daly, to whom the Museum is indebted for the donation. The type specimens of this species were obtained by the late Sir Walter Elliot from the Eastern Ghâts between Nellore and Cuddapah.

A specimen of a skull and horns of the wild buffalo (*Bubalus arni*) was acquired by purchase. The length of the line from tip to tip of the horns is 8 feet $7\frac{1}{2}$ inches, and the length of the horns round the outside of them and across the forehead 12 feet 2 inches. In a specimen of the same animal from Central Assam in the British Museum, the same measurements are as follows:—

	FT.	IN.
Length of the horns round the outside of them and across the forehead	12	2
Length of line from tip to tip of the horns	6	8

11. Ethnology and Antiquities.—To Mr. R. Bruce-Foote, Superintendent of the Geological Survey of India, the Museum is indebted for the loan of a portion of his beautiful collection of neolithic and palæolithic implements, celts, corn-crushers, cores, flakes, &c., found in Southern India.

In June 1887 Mr. A. Rea, First Assistant, Archæological Survey Department, proceeded to Pallávaram to attempt the removal of one or more of the ancient pottery sarcophagi to the Museum. From the unwieldiness and fragility of these tombs, the work was expected to be of great difficulty, if not impossibility, as all those hitherto discovered were completely covered with cracks, some of them having not even a square foot of unbroken surface. By the exercise of very great care, however, two of them were safely transferred to the Museum. Of these, one was a pyriform tomb about 2 feet in diameter and 3 feet 6 inches in depth. Around the rim were traces of a cover which had once closed it, being exactly like another semi-globular chatty inverted and placed over the top. A quantity of unburnt human bones were found lying below the earth and stones which filled the tomb. The other was an oblong tomb 6 feet long, 1 foot 8 inches deep, and 1 foot 6 inches broad, and had two rows of legs. It had a number of cracks over its surface, which were cemented together.

These tombs have been set up in the gallery of antiquities.

12. The Right Honorable the Governor visited the Museum during the year.

(Signed) EDGAR THURSTON,
Supdt., Govt. Central Museum.

Government Central Museum,
Egmore,
Madras, 4th July 1888.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

Read—the following papers:—

From EDGAR THURSTON, Esq., Superintendent, Government Central Museum, to the Secretary to Government, Revenue Department, dated Madras, 4th July 1888, No. 395.

I have the honor to submit to the Right Honorable the Governor in Council my report on the working of the Government Central Museum during 1887-88, and, as it contains a large number of technical terms, I shall be glad to be furnished with a proof of the same before striking off. I also request that I may be supplied with 100 copies for distribution to other Museums, &c.

ADMINISTRATION REPORT OF THE GOVERNMENT CENTRAL MUSEUM FOR THE YEAR 1887-88.

Visitors to the Museum.—The usual statistical returns of the number of visitors to the Museum during the year are given in appendix B. The total number was 264,182 against 233,028 in 1886-87, being an increase of 31,154. The greatest number of visitors on any single day was 19,161 on December the 27th (*Thuwathasee*).

The number of Gosha visitors on the day set apart for them every month was 1,811 against 749 in 1886-87, being an increase of 1,062.

The following statement of visitors to the Museum during the last five years shows the fluctuations from year to year:—

1883-84	242,514
1884-85	272,968
1885-86	311,462
1886-87	233,028
1887-88	264,182

2. Buildings.—The roof of the Lecture-hall and that of the new gallery still leak, and the attempts made to prevent the oozing of moisture from the walls and pillars of the main hall did not prove successful. These defects were duly brought before the notice of the Department of Public Works.

The provision of a *porte-cochère* in front of the Superintendent's house was sanctioned, when funds are available, in Public Works G.O., No. 95 W., of 11th January 1888, at a cost of Rs. 890, and an estimate for Rs. 840 was furnished by the Public Works Department for improvements to the quarters of the Head Taxidermist.

Definite proposals with an estimate amounting to Rs. 240 were placed before Government for the conversion of a disused godown into a water-pandal in my letter No. 96 of 20th February 1888.

The Public Works Department made a thorough inspection of the buildings during the year with a view to general repairs.

3. Establishment.—The only change in the establishment was caused by the retirement of the Librarian after a total service of 32 years. His place was filled by the Assistant Librarian, who was specially exempted from the operation of the Uncovenanted Civil Service Examination rules to qualify him for the post. A suitable man was recruited from the contingent establishment to fill the vacant post of Assistant Librarian.

4 Herbarium.—The Herbarium-keeper mounted 150 plants and 75 grasses, and arranged the species of the natural order Euphorbiaceæ, so far as they are contained in part XIV of the "Flora of British India." A collection of pulses and grains was named and labelled, and MSS. catalogues of oil-seeds and drugs were prepared.

Mr. M. A. Lawson, Government Botanist, went systematically through and rearranged the specimens contained in the herbarium, illustrative of the following natural orders:—

Ranunculaceæ.	Portulaceæ.	Burseraceæ.	Halorageæ.
Dilleniaceæ.	Tamariscineæ.	Meliaceæ.	Rhizophoreæ.
Magnoliaceæ.	Elatineæ	Olacineæ.	Combretaceæ.
Anonaceæ.	Hypericineæ.	Ilicineæ.	Myrtaceæ.
Menispermaceæ.	Guttiferæ.	Celastrineæ.	Melastomaceæ.
Berberideæ.	Ternstrœmiaceæ.	Rhamneæ.	Lythraceæ.
Nymphæaceæ.	Dipterocarpeæ.	Ampelideæ.	Onagraceæ.
Papaveraceæ.	Malvaceæ.	Sapindaceæ.	Samydaceæ.
Fumariaceæ.	Sterculiaceæ.	Sabiaceæ.	Passifloreæ.
Cruciferæ.	Tiliaceæ.	Anacardiaceæ.	Cucurbitaceæ.
Capparideæ.	Lineæ.	Moringeæ.	Begoniaceæ.
Resedaceæ.	Malpighiaceæ.	Connaraceæ.	Datiscaceæ.
Violaceæ.	Zygophylleæ.	Leguminosæ.	Ficoideæ.
Bixineæ.	Geraniaceæ.	Rosaceæ.	Umbelliferæ.
Pittosporeæ.	Rutaceæ.	Saxifragaceæ.	Araliaceæ.
Polygaleæ.	Simarubeæ.	Crassulaceæ.	Cornaceæ.
Caryophylleæ.	Ochnaceæ.	Droseraceæ.	

5. Artist.—The Artist was, in addition to some minor work, employed in making drawings illustrative of the catalogue of batrachians, and paintings of birds, which have been framed and placed in the bird gallery. The drawings of batrachians were successfully lithographed by Mr. A. Barren.

6. Tours.—During the year two tours were made, viz., to Tuticorin and the Nílgiris. At the former place great assistance was rendered by Captain Phipps, Port officer, in placing boats and divers at my disposal. Large collections, illustrative of the marine fauna, were made, mainly through the medium of native divers, who displayed no little skill, and some of the specimens, *e.g.*, the entire collection of sponges and echinoderms, have been sent to the British Museum, Natural History, for investigation and report. The results of this tour will be published after I have made a further tour to the Gulf of Manaar in the ensuing year.

During my tour on the Nílgiris a large area of both the plateau and slopes was explored, and large collections of birds, reptiles, butterflies, &c., were made, but as I only returned to Madras a few days before the termination of the official year, I reserve a list for my next annual report.

The Museum is greatly indebted to Mr. G. F. Hampson not only for naming many of the butterflies collected, but also for presenting a number of specimens from his admirable collection.

On both tours I was accompanied by the Head and 3rd Taxidermists, who throughout the year did their work with great zeal and ability. The latter unfortunately contracted a severe attack of fever on the Nílgiris.

7. Art Gallery.—Considerable progress was made during the year with the conversion of the old shell gallery into an art gallery. New cases were arranged around the walls, containing samples of silk women's cloths manufactured in various

parts of the Madras Presidency, and in the body of the gallery were exhibited in new cases specimens of Tanjore mixed metalware, the beautiful-chiselled elephant goads from Tanjore, Madras and Kashmir brassware, Bidri ware, Trichinopoly zinc and brass ware, Multán pottery, Vizagapatam ware in ivory and sandalwood, and some of the native jewelry which was returned from the Indo-Colonial Exhibition.

The completed portion of the gallery was screened off from the uncompleted portion by palempores manufactured in the Presidency.

8. Publications.—A preliminary report on the marine fauna of Rámesvaram and the neighbouring islands, and an illustrated catalogue of the coins of Mysore contained in the Museum collection were issued, and I was engaged upon a history of the coinage of the East India Company from the 1st issue of coins, the portcullis money of Queen Elizabeth, in 1601 to the passing of Act No. XIII of 1862. The whole of the records of the Madras Mint were gone through, from which much interesting information with respect to the coinage of the Company was extracted, and arrangements were made with the British Museum for the making of casts of the coins of the Company in the collection of that institution for reference.

An illustrated catalogue of the batrachians (frogs, toads and cœcilians) of Southern India was in the press at the end of the year.

9. Numismatics.—Among the numerous additions to the collection of coins during the year, I may mention (1) silver tungas of the Mogul Emperors Baber and Humayun; (2) a gold coin of Taj-ad-din Yildiz, lieutenant of the Delhi Sultan Muhammad ibn Sam; (3) coins of the Greek and Scythic kings of Bactria and India, Lysias, Rajnabala, Spalirises and Azes, Abdagases, Orthagnes, Zeionises, Kadphises I, and Kadaphes, the bronse coin of the last king having on the obverse a head of the king diademed, and closely resembling the head of Augustus on some of the coins of that Emperor; (4) several new types of Mysore coins; (5) a zodiac Mohur, Capricornus, of Jehangir.

A collection of copper coins, which were found at Kilakarai on the Madura coast, was presented to the Museum. Mr. J. P. James, then Port officer of Pámban, reported in a letter to Government (No. 226, dated 9th August 1887) that, while walking along the beach north-east of Kilakarai to visit the Naajimundel beacons, he noticed the beach strewn with quantities of pottery of various kinds. On making inquiries he was told that the legend runs that, in the time of the Pandyans, there was a large city extending from Kilakarai to Muthupettah, which is about nine miles, and that it also extended to Sheramoodelly Theevo, an island about five miles south; that a hurricane submerged the whole country, and the islands were then formed from part of the mainland. On inquiry whether any coins were ever found, Mr. James was told that they were sometimes, and eventually a parcel of coins was sent to him.

The collections contain in addition to many common coins, several which are of special interest. The former include Buddhist, Vijayanagar, Chola, Pandyan, Setupati, and Indo-French coins, and a coin of the Ceylonese Monarch Sahasa Malla, bearing the legend *Sri-mat Sahasa Malla.*

The latter include (1) a copper coin silvered of Ahsan Shah, commandant in Malabar, who threw off his allegiance to the Delhi Sultan Muhammad ibn Taghlak, and issued coins in his own name; (2) the copper lion coin of the Ceylonese Monarch Parákrama Báhu (1153—1186 A.D.), bearing on the obverse the standing figure of the Raja with a lotus in the left hand and in the right hand a weapon, and the figure of a seated lion with its mouth open showing the teeth in the upper jaw, and on the reverse the seated figure of the Raja and the legend *Sri Parákrama Báhu;* (3) a copper coin of Parákrama Báhu, so far as I am aware hitherto unpublished, similar in every respect to the *Lankeswara* gold coin of that monarch, and bearing the following devices and legend: *Obverse.*—Standing figure of the Raja wearing a conical cap and dhoti, with a lotus flower in the left hand and a weapon in the right hand, standing on the stalk of a lotus which ends in a flower, between which and the left hand are five dots. *Reverse.*—Seated figure of the Raja with a lotus in the left hand and left leg resting on a grating. Legend *Sri Lankeswara;* (4) two Roman copper coins both very much worn and having the legends on the obverses entirely illegible. One bears on the obverse the head of some Emperor, and on the reverse a cross within a circle, while the

Tapes undulata	Tuticorin.
Theora fragilis	Do.
Triforis cingulatus	Do.
Triton do.	Do.
Do. retusus	Do.
Trochus (Gibbula) variabilis	Do.
Do. (Polydonta) radiatus	Do.
Turbinella pyrum	Madras.
Do. rapa	Tuticorin.
Turbo articulatus	Pámban.
Voluta interrupta	Tuticorin.

Fishes.—Arrangements have been made for the preparation for the British Museum of Natural History of a collection of the fishes of the Presidency. The following specimens were added to the fish gallery :—

Zygæna blochii	Madras.
Rhinobatus granulatus	Tuticorin.
Scyllium marmoratum	Madras.
Serranus sp.	Tuticorin.
Do. tumilabris	Do.
Do. bœnack	Madras.
Lutianus rivulatus	Tuticorin.
Therapon sp.	Madras.
Pristipoma furcatum	Do.
Apogon auritus	Tuticorin.
Chætodon vagabundus	Pámban.
Chrysophrys sara	Madras.
Holocentrum rubrum	Tuticorin.
Do. sp.	Do.
Pempheris mangula	Do.
Caranx rottleri	Madras.
Chorinemus lysan	Do.
Stromateus niger	Do.
Gobius bynoensis	Tuticorin.
Gobiodon citrinus	Do.
Salarias sp.	Do.
Tetradrachmum aruanum	Do.
Glyphidodon antyerius	Do.
Silurus wallagoo	Do.
Exocœtus pæciloptcrus	Madras.
Notopterus kapirat	Do.
Muræna tessellata	Do.
Do. undulata	Do.

Specimens of Branchiostoma sp. (the Lancelet) dredged off the Seven Pagodas were presented to the Museum by Dr. Giles, Surgeon-Naturalist to the Investigator, and specimens of the same species were obtained by myself off the Tuticorin pearl banks.

Batrachians.—A collection in spirit of the Batrachians of Southern India, illustrative of the catalogue which was in the press, was placed in the "Fish gallery."

Birds and Eggs.—During my tour on the Nílgiris a large collection of birds was made with the assistance of native shikarees, and will be reported on at a future date. The following birds, obtained for the most part during a short visit to the Shevaroys at Christmas, or locally, were stuffed during the year :—

No.*	Latin name.	English name.	No.*	Latin name.	English name.
8	Falco peregrinus	Peregrine falcon.	76	Athene brama	Spotted owlet.
9	Do. peregrinator	Shahin do.	78	Do. Malabarica	Malabar do.
17	Tinnunculus alaudarius.	Kestril.	112	Caprimulgus Asiaticus	Common Indian bee-eater.
23	Micronisus badius	Shikra.			
54	Circus æruginosus	Marsh harrier.	122	Nyctiornis athertoni	Blue-necked bee-eater.
65	Syrnium sinense	Mottled wood owl.	123	Coracias Indica	Indian roller.
69	Urrua bengalensis	Rock horned owl.	129	Halcyon fuscus	White-breasted king-fisher.
72	Ketupa ceylonensis	Brown fish owl.	136	Ceryle rudis	Pied king fisher.
74	Ephialtes pennatus	Indian scops owl.			

* The numbers refer to the numbers in Jerdon's Birds of India.

No.	Latin name.	English name.	No.	Latin name.	English name.
149	Palæornis rosa	Rose-ringed parrakeet.	674	Dendrocitta rufa	Common Indian magpie
180	Brachypteru aurantius.	Golden-backed woodpecker.	684	Acridotheres tristis	Common myna.
			699	Munia undulata	Spotted munia.
194	Megalaima viridis	Small green barbet.	795	Turtur suratensis	Spotted dove.
197	Xantholæma indica	Crimson-breasted barbet.	803	Pavo cristatus	Peacock.
214	Eudynamys orientalis	Indian koel.	814	Galloperdix spadiceus	Red-spur fowl.
255	Upupa nigripennis	Indian hoopœ.	832	Turnix taigoor	Black-breasted bustard quail.
272	Pericrocotus flammeus	Orange minivet.			
278	Dicrurus macrocercus	Common drongo shrike.	845	Charadrius longipes	Golden plover.
282	Chaptia ænea	Bronzed drongo.	867	Scolopax rusticola	Woodcock.
287	Artamus fuscus	Ashy swallow shrike.	871	Gallinago scolopacinus	Common snipe.
288	Tchitrea paradisi	Paradise flycatcher.	873	Rhynchæa Bengalensis.	Painted do.
302	Eumyias albicaudata	Nilgiri blue flycatcher.	880	Philomachus pugnax	Ruff.
353	Orocetes cinclorhynchus.	Blue-headed chat thrush.	891	Actitis glareola	Spotted sand piper.
360	Merula simillima	Nílgiri blackbird	894	Totanus glottis	Green shank.
404	Pomatorhinus horsfieldi.	Southern scimitar babbler.	895	Do. stagnatilis	Little shank.
			902	Porphyrio poliocephalus.	Purple coot.
434	Malacocircus griseus	White-headed babbler.	951	Nettappus Coromandelianus.	White-bodied goose teal.
467	Iora zeylonica	Black-headed green bulbul.	964	Querquedula crecea	Common teal.
471	Oriolus indicus	Black-naped Indian oriole.	965	Querquedula circia	Blue-winged teal.
475	Copsychus saularis	Magpie robbin.	975	Podiceps Philippensis	Little grebe.

Eggs of the following birds were added to the collection :—

No.	Latin name.	English name.	No.	Latin name.	English name.
11	Falco jugger	Laggar falcon.	840	Cursorius Coromandelicus.	Indian courier plover.
23	Micronisus badius	Shikra.			
70	Urrua coromanda	Dusky-horned owl.	929	Buphus Coromandus	Little egret.
89	Cotyle sinensis	Indian bank martin.	930	Ardea leucoptera	Pond heron.
438	Chatarrhæa caudata	Striated bush babbler.	1004	Pelecanus Philippensis.	Grey pelican.
687	Temenuchus pagodarum.	Black-headed myna.			

Mammalia.—The following skeletons were prepared :—

Presbytis jubatus	Nílgiri langur.
Felis tigris	Tiger.
Do. pardus	Leopard.
Herpestes griseus	Madras mungoos.
Mellivora indica	Indian badger.
Bubalus bubalis	Domestic buffalo.
Elephas indicus	Indian elephant.
Mus bandicota	Bandicoot rat.
Lepus ruficaudatus	Indian hare.

The elephant referred to was a solitary male, which is stated to have been dangerous, and to have formerly killed two men. It was crossing some open country between two forests in the neighbourhood of Chengam, and was followed by a crowd of villagers who fired at it and eventually secured it with ropes in the village of Quilam, where it died. The height of the animal is said to have been about 11 feet.

The following skulls were prepared :—

Felis pardus	Leopard.
Lepus ruficaudatus	Indian hare.
Neomeris phocænoides	Finless dolphin.

The following animals were stuffed :—

Presbytis johnii	Malabar langur.
Cynopterus marginatus	Small fox bat.
Rhinopoma microphyllium	Long-tailed leaf bat.
Kerivoula picta	Painted bat.
Tupaia ellioti	Madras tree-shrew.
Felis chaus	Jungle cat.

The specimens of Kerivoula picta were captured by Surgeon-Major Hackett in his compound in Madras in the early morning, as they were flying around the plantain trees. "This very beautiful bat," Jerdon says (Mammals of India, p. 43), "which, when disturbed in the day time, looks more like a butterfly or moth than a bat, has been found over a great part of India, though nowhere common. I first

obtained it at Madras, and subsequently on the Malabar coast. It has also been found in Bengal, in Dacca, where said not to be rare, and called the 'orange bat;' also in Ceylon, and in Burma and Malayana. It conceals itself in the folded leaf of the plaintain, and its Ceylonese name is properly, as Kelaart tells us, *Kehelvoulha*, meaning "*plantain bat.*"

The specimen of Tupaia ellioti was obtained on the Shevaroy Hills by Mr. W. M. Daly, to whom the Museum is indebted for the donation. The type specimens of this species were obtained by the late Sir Walter Elliot from the Eastern Ghâts between Nellore and Cuddapah.

A specimen of a skull and horns of the wild buffalo (*Bubalus arni*) was acquired by purchase. The length of the line from tip to tip of the horns is 8 feet 7½ inches, and the length of the horns round the outside of them and across the forehead 12 feet 2 inches. In a specimen of the same animal from Central Assam in the British Museum, the same measurements are as follows:—

	FT.	IN.
Length of the horns round the outside of them and across the forehead	12	2
Length of line from tip to tip of the horns	6	8

11. Ethnology and Antiquities.—To Mr. R. Bruce-Foote, Superintendent of the Geological Survey of India, the Museum is indebted for the loan of a portion of his beautiful collection of neolithic and palæolithic implements, celts, corn-crushers, cores, flakes, &c., found in Southern India.

In June 1887 Mr. A. Rea, First Assistant, Archæological Survey Department, proceeded to Pallávaram to attempt the removal of one or more of the ancient pottery sarcophagi to the Museum. From the unwieldiness and fragility of these tombs, the work was expected to be of great difficulty, if not impossibility, as all those hitherto discovered were completely covered with cracks, some of them having not even a square foot of unbroken surface. By the exercise of very great care, however, two of them were safely transferred to the Museum. Of these, one was a pyriform tomb about 2 feet in diameter and 3 feet 6 inches in depth. Around the rim were traces of a cover which had once closed it, being exactly like another semi-globular chatty inverted and placed over the top. A quantity of unburnt human bones were found lying below the earth and stones which filled the tomb. The other was an oblong tomb 6 feet long, 1 foot 8 inches deep, and 1 foot 6 inches broad, and had two rows of legs. It had a number of cracks over its surface, which were cemented together.

These tombs have been set up in the gallery of antiquities.

12. The Right Honorable the Governor visited the Museum during the year.

(Signed) EDGAR THURSTON,
Supdt., Govt. Central Museum.

Government Central Museum,
Egmore,
Madras, 4th July 1888.

APPENDICES.

A.

General List of the Contributions, &c., received for the Government Central Museum from 1st April 1887 to 31st March 1888.

	NO.
Agri.-Horticultural Society, Honorary Secretary—	
Rope and basket made out of "pish" (*Chamœrops Ritchicana*) leaves ...	...
Arbuthnot and Company, Messrs., Proprietors, Madras Portland Cement Works—	
Specimens of Madras Portland Cement	5
Baker, Captain—	
Fish (Stegostoma tigrinum)	1
Bartlett, W. H., Esq.—	
Woodpecker (Brachypternus chrysonotus)	1
Bellary, District Magistrate of—	
Brass coins	13
Bidie, Surgeon-General G., M.B., C.I.E.—	
Palmyra fibre baskets used for carrying onions on boardship at Tuticorin ...	3
Bond, Master, H.—	
Moth	1
Bourne, Dr. A. G.—	
Frog (Ixalus variabilis.)	1
Fish (Muræna tessellata)	1 } 2
Cammiade, Master—	
Egg	1
Carter, H. R. P., Esq.—	
South Indian Hedgehog (Erinaceus micropus)	2
Coimbatore, Collector of—	
Silver coins	14
Curtis, Colonel—	
Batrachian (Ixalus variabilis)	1
Daly, William Mahon, Esq., Yercaud, Shevaroys—	
Bird (Astur badius)	1
Birds (Estrelda amandava)	3
Birds' eggs {Caprimulgus asiaticus 2	4
Birds' eggs {Seena aurantia 2	1
„ (Pelicanus philippensis)	1
„ (Urrua coromanda)	1 } 17
„ (Falco jugger)	1
„ (Micronisus badius)	1
„ (Cotyle sinensis)	1
„ (Glareola lactea)	1
Frog (Callula triangularis)	1
Snake (Silybura shortii)	1
Annelida and crustacea from Covelong.	
Ditmas, F. W., Esq.—	
Tortoise (Emys trijuga)	1
Embryo of do. (do.) within its egg	1 } 3
Snake (Chersydrus granulatus)	1
Dodd, Messrs. W. and A.—	
Birds' eggs	13
Doyle, Reverend James—	
Abnormal Duck's egg	1
Fiddian, J. P., Esq.—	
Death's head moth (Acherontia atropos) ?	1
Fisher, Mr. J.—	
Copper Bactrian, Indo-Scythic and Gupta coins	8
Foote, R. B., Esq., F.G.S., Geological Survey of India—	
Drinking bowl found at a depth of 2 or 3 feet below the surface of the bat ground in the second south passage of the Yerreozari Gabbi (cave) near Banganapalle, Kistna district.	
Gilchrist, William, Esq.—	
Jungle cat (Felis chaus)	1
Larva of a beetle	1 } 2
Giles, Dr.—	
(Amphioxus lanceolatus)	1
Crustacea, echinodermata, &c., dredged off the Seven Pagodas by H. M. S. S. *Investigator*	Lot. } 2
Gnanapragasum, T. A., M.R.Ry.—	
Hyderabad dubs	5
Govindarajooloo, M., M.R.Ry.—	
Abnormal hen's eggs	2
	3

	No.	
Griffin, Albert Charles, Esq.—		
Insect (Bacillus sp.)	1	
Ghulam Dastgir Sahib—		
Crab	1	
Hackett, Dr. A. L., Kilpauk—		
Painted bats (Kerivoula picta)	2	
Hakim Mahomed Abdul Ali—		
Mahommedan bookstand designed out of a single piece of wood	1	
Hasted, Colonel, R.E.—		
Moth	1	
Havell, E. B., Esq., Superintendent, School of Arts, Madras—		
Chrysalis of a butterfly (Euplœa asela)	1	3
Moth (Partula macrops)	1	
Tusser silk worm	1	
Henderson, Captain, Acting Principal, Civil Enginering College, Madras—		
Eggs (Hypotriorchis severus)	4	33
„ (Athene brama)	2	
„ (Drymoipus inornatus)	3	
„ (Ploceus baya)	3	
„ (Passer indicus)	3	
„ (Columba intermedia)	3	
„ (Herodias egrettoides)	5	
„ (Tantalus leucocephalus)	6	
Egg (Ardeola leucoptera)	6	
Henderson, Dr., Egmore—	1	
Frogs Rana gracilis (Nílgiris)	2	20
Batrachian (Callula olivacea)	1	
Fish (Syngnathus acus)	1	
Crustacea (Matuta miersei)	2	
„ („ lunaris)	1	
„ („ victrix)	1	
„ (Albunea symnista) male and female	2	
„ („ „)	1	
„ (Diogenes miles)	2	
„ („ custos)	1	
„ („ herbstii)	1	
„ (Dorippe sp.)	1	
„ (Calappa sp.)	1	
Mollusc (Bulla fasciata)	2	
Copper Dutch East India Company's coins.		
Higgins, A. W. B., Esq., Deputy Conservator of Forests, Cuddapah—		
Beetle	1	
Holmes, W. Hamilton, Esq., Madras Club—		
Moths (Bombyx mori)	3	4
Caterpillar of a moth (Antheræa perrotetti)	1	
Honorary Secretary (Philological), Asiatic Society of Bengal, Calcutta—		
Gold coins	2	45
Silver coins	43	
Hutchins, Captain H. L., M.S.C.—		
Earthenware Burmese Guatamas, one silvered and one gilt	2	4
„ Peacock pice (different)	2	
James, Captain, Nungumbaukum—		
Stone shot from Pámban	1	
James, C. W., Esq.—		
Moth	1	2
Cocoon	1	
Jensen, Rev. H.—		
Shells (Helices) from Denmark	19	
Johnston, J. C., Esq., Executive Engineer, Cuddapah Division—		
Old copper still found amidst the foundations of the old Collector's Cutcherry, Cuddapah.		
Judge, H. M., Mr.—		
Insect (Nepa grandis)	1	
Laing, Mrs.—		
Woodcock (Scolopax rusticola)	1	
McLeod, Colonel H.—		
Crustacea (Hippa asiatica)	1	
Madura, Collector of—		
Caterpillars destructive to dry crops	Lot.	2
Coins	„	
Mahomed Mason Sahib, Triplicane—		
Abnormal hen's egg	1	

	No.	
Mahomed Mossim, Triplicane—		
Egg of a snake	1	
Malabar, Collector of—		
Gold fanams	63	
Marshall, H. H., Esq.—		
Pumice stone	1	
Mason, Master Charles William—		
Butterfly	1	
Mason, Miss Hilda—		
Moth	1	
Michie Smith, C., Esq.—		
Copper Dutch East India Company's coins.		
Minchin, J. W., Esq —		
Rhæa fibre.		
Moss, Samuel C., Esq., Forest Department—		
Mineral specimens	2	
Mylitta Silk Mills Company. The Managing Director of the—		
Samples of Tussar cocoons, silk, and waste	Lot.	6
„ of "Yama mai" cocoons and silk reeled from them	„	
„ of Pernyi cocoons and silk reeled from them	„	
„ of Eria cocoons	„	
True Bombyx mori cocoons reared in France from Japan seed	„	
Skein of Tussah silk spun by the native process	„	
Mysore Government Museum, Superintendent of—		
Silk cotton	1	
Nellore, the District Forest-officer—		
Specimen of Asbestos	1	
Phipps, Captain—		
Marine invertebrata—		
Porter, Dr. A.—		
Jungle sheep's skin	1	
Miss Angalique Sauria Halkie, the Estate of—		
Portuguese Gold coin of the last century	1	
President, Municipal Commission, Madras—		
Tiger cub (Felis tigris)	1	9
Cheetahs („ pardus)	2	
Badger (Mellivora indica)	1	
Kangaroo (Macropus sp.)	1	
Cockatoo (Cockatua sp.)	2	
Pheasant (Lophophorus impeyanus)	1	
Pelican (Pelecanus philippensis)	1	
Price, J. F., Esq.—		
Land crab (Telphusa n. sp.) from Ootacamund.—		
Rajagopala Charriar Avergal, P., M.R.Ry., Acting General Deputy Collector, Námakal Division—		
Double-stinged scorpion	1	
Rajaratna Moodelliar, P., M.R.Ry.—		
Green Parrot (Electus polychrous)	1	
Rea, A., Esq.—		
Tombs from Pallávaram	2	11
Small pots found in a tomb having a quantity of bones in one	9	
Robinson, W. R., Esq.—		
Bat (Taphozous longimanus)	1	2
Insect (Nepa grandis)	1	
Runganayacooloo Chetty, S., M.R.Ry., Saidápet—		
Shells	Lot.	
Salem, District Forest-officer—		
Fibres	24	
Shortt, J., Retired Deputy Surgeon-General—		
Bird (Iora zeylanica)	1	86
Birds' skins (not fit for stuffing)	3	
Bird in spirit	1	
Reptiles	22	
Frogs	21	
Toad	1	
Tadpoles	27	
Insects	7	
Caterpillar	1	
Ants	Lot.	
Ant's nest	1	

	No.
Smart, Captain—	
Insects from Elephanta	10
Spence, Lieutenant, Gun Powder Factory, Madras—	
Caterpillar	1
South Canara, the Collector of—	
Gold coins	3
Steavenson, J., Esq.—	
Insect (Cerambyx sp.)	1
A curiously flattened Casuarina stem	1 } 2
Stephenson, A. E., Esq.—	
Abnormal chicken	1
Egg	1 } 2
Tanjore, Collector of—	
Gold coins	7
Taylor, Captain J. H.—	
Chola copper coins	4
Thomas, H. S., Esq.—	
Fresh water fishes from Kodaikánal.—	
Thomas, Miss, Nungumbaukum—	
The Indian Koel (Eudynamis orientalis).	
Thorowgood, F. N., Esq., Nungumbaukum—	
Russell's Viper (Daboia elegans)	1
Tracy, Rev. J., Tirumangalam—	
Specimens of pottery from Paravai	2
Tufnell, Captain R. H. C.—	
Reptiles and Batrachians from Kodaikánal	Collection.
Lepidoptera from Palni Hills	
Vadanayagam Pillay, M.R.Ry.—	
Specimen of fossil wood	1
Váyalpád Taluk, Sub-Collector of—	
Gold coin	1
Venkaya Royadu, Maharajah, B.—	
Fossil shells	13
Wicks, Captain G., Port officer, Mangalore—	
Bird (Sterna javanica)	1
Fish (Balistes erythrodon)	1
„ (Ichthyscopos inermis)	1 } 3

B.

Visitors to the Government Central Museum from 1st April 1887 to 31st March 1888.

1887-88.	Signatures made in English.	Telugu.	Hindustani.	Tamil.	Mahratta.	Nagaree.	Guzerattee.	Canarese.	Chinese.	Singalese.	Malayalam.	Bengalee.
1	2	3	4	5	6	7	8	9	10	11	12	13
April	1,665	333	135	1,084	14	5	13	8	..	..	18	..
May	2,460	314	145	1,204	2	5	12	18	..	1	15	..
June	2,815	626	242	2,236	10	4	23	33	2	..	10	..
July	2,039	463	197	1,702	8	15	28	2	..	..	53	..
August	2,273	589	350	2,080	21	7	38	12	..	..	65	..
September	2,000	362	122	1,731	13	4	21	16	..	..	51	4
October	1,386	328	107	1,648	9	5	5	16	..	..	64	..
November	1,973	482	334	1,494	2	18	34	50	..	..	56	..
December	4,220	574	237	2,306	19	30	115	42	..	3	103	3
January	3,425	606	298	1,879	18	31	57	52	..	..	65	6
February	2,184	409	222	1,439	8	9	18	24	..	..	39	..
March	2,164	472	258	1,545	9	10	46	15	3	5	43	3
Total ..	28,604	5,558	2,647	20,348	133	143	410	268	5	9	582	16

1887-88.	Total of signatures.	Unable to sign, but tally kept.	Total of visitors.	Number of: Men and boys.	Number of: Women and girls.	Total of visitors.
	14	15	16	17	18	19
April	3,275	10,483	13,758	8,211	5,547	13,758
May	4,176	10,934	15,110	9,274	5,836	15,110
June	6,001	14,971	20,972	13,820	7,152	20,972
July	4,507	13,507	18,014	10,925	7,089	18,014
August	5,435	15,845	21,280	13,162	8,118	21,280
September	4,324	14,431	18,755	11,301	7,454	18,755
October	3,568	13,236	16,804	9,829	6,975	16,804
November	4,443	12,964	17,407	10,748	6,659	17,407
December	7,652	39,487	47,139	24,757	22,382	47,139
January	6,417	29,229	35,646	19,698	15,948	35,646
February	4,352	15,748	20,100	12,708	7,392	20,100
March	4,573	14,624	19,197	11,307	7,890	19,197
Total ..	58,723	205,459	264,182	155,740	108,442	264,182

C-1.

List of Books added to the Public Library.

1.—*By Purchase* (*Standard Works*).

	Volumes.
Agassiz, Monographies D'Echinodermes Vivans et Fossiles	1
Agricultural Pests of India, by Balfour, E.	1
Alwis, Rev. C.—History of the Island of Lanka	1
Arnold, Edwin—Poetical Works of	6
Arnold, Edwin—India revisited	1
Burmese Scripture on Cadjan	1
Ceylon—A General Description of the Island, Historical, Physical, Statistical, by an Officer, late of the Ceylon Rifles	2
Church, A. H.—Food-grains of India	1
Claus and Sedgwick Elementary Text Book of Zoology	2
Curtis' Botanical Magazine, Vol. 43, for 1887	1
Darwinism Tested by Language, by F. Bateman	1
De Candolle Monographiæ Phanerogamarum, Vol. 5, Part 2	1
Depths of the Sea, by Wyville Thomson	1
Distinguished Anglo-Indians, by W. F. B. Laurie	1
Eastern Carpets, by Vincent Robinson	1
Encyclopædia Britannica, Vol. 22nd	1
Fauna and Flora Des Golfes Von Neapel	7
Geddes, M.—History of the Church of Malabar	1
Geddes, M.—History of the Church of Ethiopia	1
Gcherzer, Reiffe Der Novara um Die Erde, Erster Band	2
Gutzlaff's Sketch of Chinese History	2
Hæckel System Des Craspedoten	2
Heber, R.—Narrative of a Journey through the Upper Provinces of India	3
Hincks, T.—History of the British Marine Polyzoa	2
Indian Ferns, by C. E. Baynes	1
Initial Coinage of Bengal, by Edward Thomas	1
Inglis, D.—Spain in 1830	2
Jenyns, Rev. F. G.—A Book about Bees	1
Jerdon's Illustrations of Fishes	1
Lee, A. B.—The Microtomist's Vade Mecum	1
Leuckart, Rudolf—The Parasites of Man	1
Life and Letters of Charles Darwin	3
Lotus and Jewel, by E. Arnold	1
Manual of Ethnology, by C. L. Brace	1
Map of the Island of Ceylon	Map 1
Marion's Practical Guide to Photography	1
Nomenclature of Color for Naturalists by Ridgway, R., 1886	1
Now and Then, by Samuel Warren	1
Oakely, R. B.—The Pagoda of Hallibeed, folio	1
Oostindische Voyagien	2

	Volumes.
Ormerod, E. A.—Report on Injurious Insects	1
Percival's, P., Rev.—Tamil Proverbs with English Translation	1
Physiography, an Introduction to the Study of Nature, by T. H. Huxley	1
Price, M. D.—Memoirs of the Emperer Jahangheir	1
Quarterly Journal of Microscopical Science, Nos. 102 to 108	7
Recent Polar Voyages—A Record of Adventure and Discovery	1
Skeen, W.—Early Typography	1
Standard Pronouncing Dictionary of the English Language by Nuttall, P. A	1
Stewart, C.—Memoirs of the Moghul Emperor Humayun	1
Streeter, C. W.—Pearls and Pearling Life	1
Tank Angling in India, by H. S. Thomas	1
The British Isles, by E. Reclus	1
The Copper, Tin and Bronze Coinage and Patterns for coins of England	1
The Ocean, by E. Reclus	1
Thomas, E.—Early Sassanian Inscriptions, Seals and Coins	1
Transactions of the Internationl Congress of Prehistoric Archæology, 1868	1
Wheeler, J. T.—India under British Rule	1

C-2.

Periodicals.

American Naturalist—Nos. 1 to 12 for 1887, October wanting.
Annual Register—for 1886.
Asiatic Journal and Monthly Register from the year 1825 to 1836—Vols. 31.
Asylum Press Almanac for 1888.
Illustrated London News—Vols. 91-92, for 1887-88.
Journal of the Royal Asiatic Society of Great Britain and Ireland—Vol. 19, for 1887.
London Times, Weekly Edition—Nos. 536 to 583, for 1887-88.

C-3.

By Gift (Standard Works).

	Volumes.
Albertic Theorem, by Venkaya Royadu, B	1
Archæological Survey of India Reports, Vol. 23rd, Punjab and Rajputana, 1883-84, by Garrick	1
Archæological Survey of India Reports, by Cunningham, Vols. 1 to 23, with General Index	1
Buckler, W.—Larvæ of British Butterflies and Moths, Vols. 1 and 2	2
Candles, by G. Watt	2
Catalogue of the Moths of India, by E. C. Cotes, Parts 1 and 2	2
Catalogue Des Plantes Des Jardins Coloniaux, Pondicherry	1
Cyclone Memoirs, Part 1, Bay of Bengal, May 20th—28th, 1887	1
Civil Travelling Code, Chapters 1 to 15 only, Provisional issue	1
Descriptive Catalogue of the Medusæ of the Australian Seas, by R. V. Lendenfeld	1
Description of Roman Imperial Aurei, by Caldwell	1
Department of Agriculture Report, 1886	1
First Report on the Collection of Birds in the Colombo Museum	1
Geological Annual Report, Vol. 1, 1885	1
Hooper, Gums, Resins and other Economic Products in the Mysore Government Museum—Notes on the	1
Hooker's Flora of British India, Parts 13 and 14	2
Imperial Gazetteer of India, by W. W. Hunter, Vols. 9, 10, 11	3
King, New Species of Ficus from New Guinea	1
Lepidoptera of Ceylon, by F. Moore, Part 13	1
List of Photographs of Ancient Buildings and Antiquities, Madras	1
List of Notifications and Rules	1
List of Wood Specimens in the Museum of the Central Forest Office, Madras	1
Madras Meridian Circle Observations, 1862—1864	1
Manava Dharma Sastra, by V. N. Mandlike	3
Manual of the Coimbatore District, by F. A. Nicholson	1
Manual of the Geology of India, Part 4, Mineralogy, by F. R. Mallet	1
Manual of Malabar, Vol. 2, by W. Logan	2
Map of India showing density of Population	1
"My Children," Part 1, Their Health	1
New Law of Oscillation and a New Theory of Tides, Winds, &c., by Venkaya Royadu	1

	Volumes.
Notices of Sanskrit Manuscripts by Rajendralala Mitra, Vol. 4, Part 2; Vols. 5 to 8 and Vol. 9, Part 1, Nos. 13 to 22 for 1877 to 1886-87	10
Numismatique Des Indes Neerlandaises	1
Paper-making, by Cross, C. F., and Bevan, E. J.	1
Photograph of the Eight-branched Palmyra Palm near Tanjore	1
Photograph of the largest Car in South India, Tiruválúr in Tanjore, decorated for the Festival	1
Pictorial Tour round India	1
Preservation of National Monuments, India, Agra and Gwalior	1
Preservation of National Monuments, Delhi	1
Preservation of National Monuments, Meywar	1
Preservation of National Monuments, Buildings in the Punjab	1
Preservation of National Monuments, India; Great Temple to Siva and his Consort at Madura	1
Preservation of National Monuments, India, Græco-Buddhist Sculptures from Yusufzai.	1
Preservation of National Monuments, India, Temples at Trichinopoly	1
Preservation of National Monuments, India, Tomb of Jahangir at Shahdara near Lahore	1
Preservation of National Monuments, India, Golden Temple at Amritsar, Punjab	1
Preservation of National Monuments, India, Great Buddhist Tope at Sanchi	1
Religious Reform, Parts 1 and 2, Philosophic Hinduism	2
Report on the Search for Sanscrit Manuscript in the Bombay Presidency by Bhandarkar, R. G., 1883-84	1
Report on the Scientific results of the Exploring voyage of the *Challenger*, H. M. S., 1873—76, Botany, Vol. 2nd	1
Report on the Scientific results of the Exploring voyage of the *Challenger*, H. M. S., 1873—76, Zoology, Vols. 17 to 22	9
Smithsonian Report, 1885, Part 1	1
Species of Loranthus indigenous to Perak, by G. King	1
The Entomologist, 1887, Nos. 288 and 289	2
The Buddhist Stupas of Amarávati and Jaggayapet in the Kistna district, Madras Presidency, by J. Burgess	1
Thomas—The Pearl Oyster of the Gulf of Manaar	1
United States Department of Agriculture—Fourth Report of the United States Entomological Commission, by Riley, V.	1
United States Department of Agriculture—Reports of Observations and Experiments in the Practical work of the Division, Nos. 13 and 14	4
United States Department of Agriculture, Division of Entomology—The Icerya or Fluted scale or cottony cushion, scale No. 15	2
United States Department of Agriculture—Work of the Division of Entomology for the Season of 1885, No. 12	1
Watts', G.—Report on Indian Fibres and Fibrous substances	1
Woods—Catalogue of, in the Mysore Government Museum	1

C-4.

Periodicals (By Gift).

Avifauna of British India and its Dependencies, by James Murray, Parts 2 and 3, for 1887.
Fort St. George Gazette, Nos. 13 to 49 for 1887; Nos. 1 to 13 for 1888.
Gazette of India, Nos. 13 to 53 for 1887; Nos. 1 to 12 for 1888.
Indian Antiquary by Burgess, J., Vol. 16 for 1887.
Journal of the Asiatic Society of Bengal, Part 1, Nos. 1 and 2; Part 2, Nos. 1 and 2 for 1887.
Journal of the Bombay Branch of the Royal Asiatic Society, Vol. 17, No. 46 for 1887.
Journal of Indian Art, Parts 17 to 21.
Madras Journal of Literature and Science, by Tufnell, R. H C., Part 1 for 1886-87.
Memoirs of the Geological Survey of India (Palæontologia Indica), Vol. 4, S. 10—13.
Memoirs of the Geological Survey of India, Vol. 24, Part 1.
Oesterreichische Monatsschrift fur den orient, Nos. 2 to 5, 9, 10, 11 and 12 for 1887.
Proceedings of the Asiatic Society of Bengal, Nos. 1 to 8 for 1887.
Quarterly Journal of Veterinary Science in India, Nos. 17—22 for 1886-87.
Records of the Geological Survey of India, Nos. 1—4 for 1887.
Statement of Imports and Exports, March to December 1887, January and February 1888.
The Pandit—A monthly publication devoted to Sanscrit Literature, Nos.1 to 12 for 1887.
The Indian Annals and Magazine of Natural Science by Murray, J. A., Vol. 1, Nos. 1—3 for 1887.

C-5.

Reports.

	Volumes.
Administration Report of the Bombay Jails for 1886	1
Administration Report of the Jails of Bengal for 1886	1
Administration Reports, 1885 (Part 4, Miscellaneous, Ceylon Museum)	1
Annual Report on the Foreign Trade of the North-Western Provinces and Oudh for 1887	2
Annual Report, with Tabular Statements of the Condition and Management of the Jails in the North-Western Provinces and Oudh for 1886	1
Annual Report of the Madras Court of Small Causes for 1886	1
Annual Report on the Jails of the Hyderabad Assigned Districts for 1886	1
Annual Administration Report of the Forest Department, Madras Presidency, for 1885-86	1
Annual Report on the Government Cinchona Plantation in Bengal for 1886-87	2
Annual Report of the Royal Botanic Garden, Calcutta, for 1886-87	2
Annual Report of the Khandesh Experimental Farm for 1887	2
Annual Report of the Administration of the Land Revenue in Assam for 1886-87	1
Annual Report on the Administration of the Prisons in the Province of Coorg for 1886.	1
Annual Report of the Lunatic Asylums in the Madras Presidency for 1886	1
Annual Report of the Director, Land Records and Agriculture, Bombay Presidency, for 1886-87	2
Annual Report of the Department of Land Records and Agriculture, Assam, for 1886-87	2
Annual Report of the Agricultural Department, Bengal, for 1886-87	2
Annual Report of the Madras Medical College for 1886-87	1
Annual Report of the Department of Revenue Settlement and Agriculture, Madras, for 1885-86	1
Annual Report on the Progress and Condition of the Mysore Government Museum for 1887	1
Annual Report of the Government Experimental Farm, Hyderabad, Sind, for 1887	2
Annual Returns of the Civil Hospitals and Dispensaries in the Madras Presidency for 1886-87	1
Annual Volume of the Sea-borne Trade and Navigation of the Madras Presidency for 1886-87	1
Accessions to the Indian Museum, Appendix A, for 1886, Part 4	4
Charts of the Bay of Bengal	1
Civil Justice Report of Lower Burma for 1886	1
Civil Statements of the North-Western Provinces for 1886	1
Criminal Justice Report of Lower Burma for 1886	1
Criminal Statements of the North-Western Provinces for 1886	1
Crop Experiments, Bombay Presidency, for 1885-86 and 1886-87	4
Cultivation of the Sugarcane in Bombay	2
Department of Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st December 1886	1
Department of Agriculture, Central Provinces—Report on the Nagpur Experimental Farm for 1886-87	1
Department of Land Records, Settlement and Agriculture, Central Provinces—Returns of Railway-borne Traffic for the quarter ending 31st March 1887	4
Department of Revenue Settlement and Agriculture, Madras, 1887—Report on the Outturn of early crops	1
Fifth Annual Report of the Board of Trustees, City of Milwankee, for 1886-87	1
Indian Meteorological Memoirs, by H. F. Blanford, Vol. 3, Part 2; Vol. 4, Parts 2—4	4
Jeypore Economic and Industrial Museum—Third Report of	1
Madras Land Revenue Reports for 1885	1
Memorandum on the Preservation of Grain by Church	4
Memoirs on the Winds and Monsoons of the Arabian Sea and North Indian Ocean, by W. L. Dallas	1
Meteorological Observations recorded at six Stations in India, by Blanford, H. F., for 1887.	1
Monograph on Silk Industry in the Punjab, 1885-86	1
Progress Report of Forest Administration in the Hyderabad Assigned Districts for 1886-87.	2
Queensland Museum—Report of Board of Trustees for 1886	1
Report on the Prison Administration of Lower Burma for 1886	1
Report on Public Instruction in the Madras Presidency for 1885-86, 1886-87	2
Report on the Jails of the Punjab for 1886	1
Report on the Jail Administration of the Province of Assam for 1886	1
Report on the Administration of the Abkári Revenue in the Madras Presidency for 1885-86	1
Report on the Civil Justice in the Hyderabad Assigned Districts, for 1886	1
Report on Criminal Justice in the Hyderabad Assigned Districts, for 1886	1