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REPORT
ON THE
CENTRAL MUSEUM, NAGPUR
FOR THE YEAR

1920-21

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FROM

H. R. CROSTHWAITE, Esq., C.I.E., C.B.E.,

DIRECTOR OF INDUSTRIES,

Central Provinces and Berar,

To

THE SECRETARY TO GOVERNMENT,

COMMERCE AND INDUSTRY DEPARTMENT,

Central Provinces.

Nagpur, the 19th December 1921.

Sir,

I have the honour to submit, herewith, the Report for 1920-21 on the Central Museum, Nagpur,

I have the honour to be,

Sir,

Your most obedient Servant,

H. R. CROSTHWAITE,

Director of Industries,

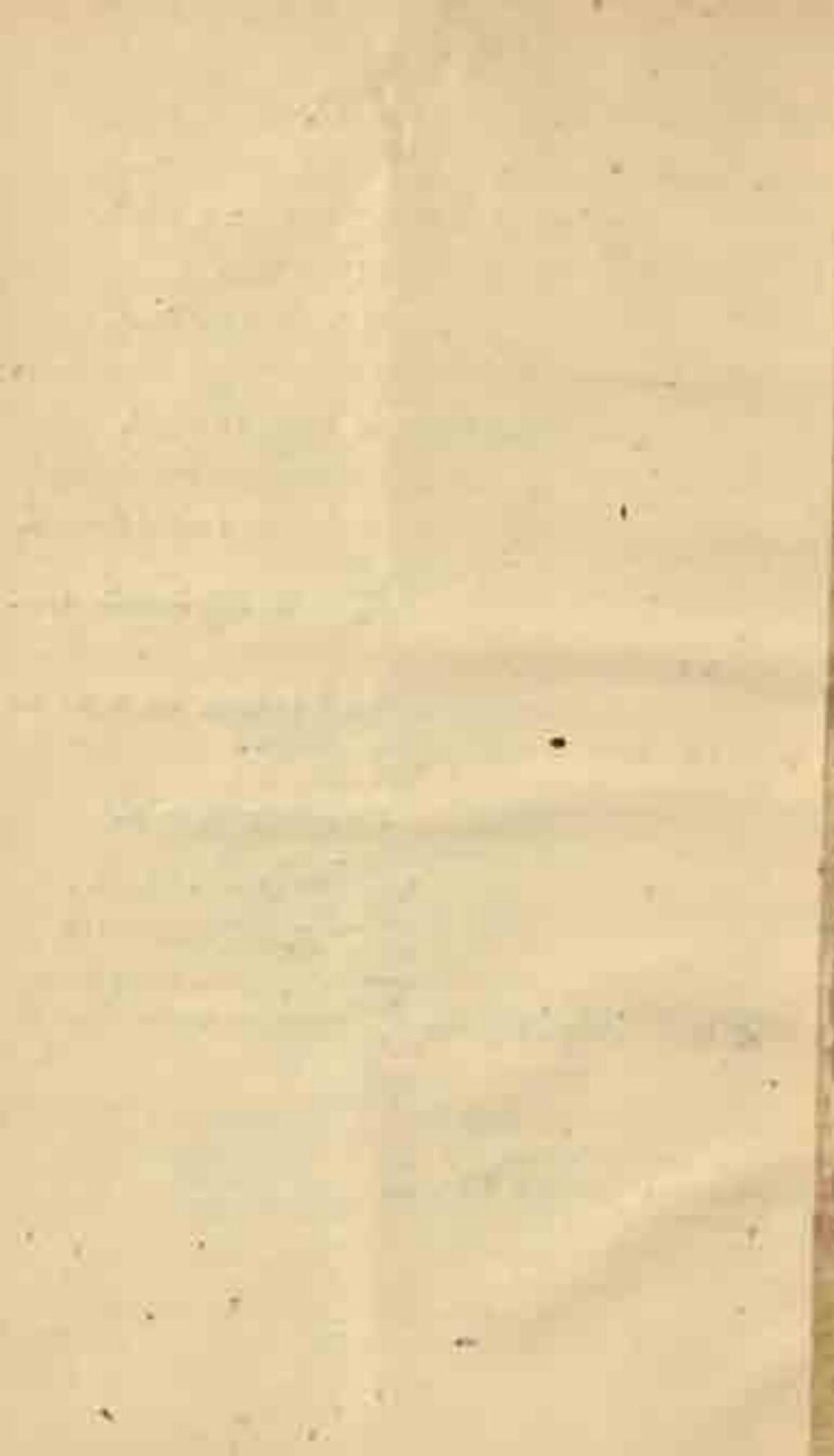
Central Provinces.

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Report of the Central Museum, Nagpur, for the year 1920-21.

I.—FINANCE.

The opening balance at the credit of the Museum Fund on the 1st April 1920, was Rs. 5,055.9.0 (Appendix A). The donation made by Government for the year under report was Rs. 4,380, the amount credited into the Treasury during the year towards the Museum Fund came to Rs. 222.6.0, making the total receipts under all heads, Rs. 9,657.15.9.

The expenditure incurred during the year under "contingencies" amounts to Rs. 5,771.13.10, including salaries and travelling allowances of servants paid from the Museum Fund and contingencies. The year closed with a balance of Rs. 3,886.1.11.

The total expenditure on the salaries and allowances of the permanent staff, including allowances, was Rs. 3,019.14.11.

II.—VISITORS.

The total number of visitors counted at the turnstile for the year was 192,113 (males 129,761 and females 69,354) against 151,933 during the previous year.

III.—GENERAL ARRANGEMENTS, ETC.

During the year under report the geological and forest exhibits were arranged in the Central Hall, but later they were removed into the east room. The collection of mammals, fish and reptiles in the east room was brought into the Central Hall, with the exception of the reptiles which were placed in the bird room. For want of accommodation the textiles have been placed temporarily in the Central Hall as well.

It was found desirable to close the Museum building to the public on two days in the month for dusting and general cleaning up. The days selected were the 1st and the 15th of every month, and this measure was brought into force from November, after duly notifying the fact in local newspapers.

IV.—ESTABLISHMENT.

The pay of the whole establishment has been revised.

V.—BUILDING.

Important additions to the building are hoped for, but nothing can be done until money can be provided. The Museum is now overcrowded.

VI.—ETHNOLOGICAL SECTION.

The ethnological collection of Gond exhibits made by Raj Bahadur Hira Lal in 1914, which consists of some 250 specimens, was placed on exhibition in the west wing of the building. Seven enlarged photographs of typical examples of the aboriginal tribes in the Central Provinces were also placed in the ethnological court.

Through the Director of the Forest School at Balaghat a number of ethnological exhibits, belonging to the forest tribes, were obtained and placed on exhibition.

A separate catalogue of all the ethnological exhibits in the Museum has been prepared, and photographs were taken of the Pola festival.

VII.—ARCHÆOLOGICAL SECTION.

No new additions have been made to this section. An old muzzle-loading arm was presented by the Deputy Commissioner of Saugor, and some arms used by the forest tribes of the Central Provinces were obtained from the Forest School at Balaghat. A catalogue of all the arms and armour in the Museum has been prepared, and photographs taken of the Gond remains at Deogarh in the Chhindwara District.

A pamphlet on the Ashti Inscriptions by the Coin Expert has been published.

VIII.—GEOLOGICAL SECTION.

This section, as stated before, was removed from the Central Hall and now occupies the east room of the building, along with the forest exhibits. The whole collection has been relabelled with printed labels.

The Director of the Geological Survey of India was requested to arrange for the development of this section and in October deputed Mr. C. S. Fox, of the Survey, to draw up a scheme.

Under this scheme the arrangement of the collection is in 16 cases as follows:—

Two cases to certain type minerals.

Two cases to certain type rocks.

Three cases to certain fossils.

Eight cases to certain economic substances as follows:—

(1) Manganese ores and associated minerals and rocks.

(2) Iron ores, ferruginous laterite and aluminous laterite (bauxite).

(3) Limestones dolomite, soapstones, glass sands, kaolin.

(4) Ochres, fire-clay and coals.

(5) Agates, jaspers, amethyst, cornelian, garnets mica.

(6) Gold, copper ore, galena, barytes, fluorspar, calcite, tin, wolfram.

(7) Ornamental building stones.

(8)-Road metal, kankar, Lomar lake salts.

One case, to help students containing a set of crystal models and display of minerals illustrating hardness, structure, cleavage and lustre.

All these changes have been carried out except the supply of the last case, the proposed contents of which must be obtained from England and America. Fifty-one specimens of typical minerals and ten typical rocks were obtained from the Director of the Geological Survey, and the following additions made to the collection.—

Specimen	Locality
Itacolumite (flexible sandstone)	Jhind State.
Pink dolomite	Ranikot.
Dolomite	"
Pure granular dolomite	"
Kaolin	Balaghat.
Vesicularite in pyroxelane brucite rock	Beldangi, Nagpur.
Piedmontite with manganese ore in limestone	Parsoori, Nagpur.
Galena	Aulni mine, Umaribabu, Nagpur, district.
Fire-clay	Khairat, Nagpur.
Calcite	Nagpur.
Selenite.	Mandla.
A few inter-trappean fossils	Mandla.

A set of District Gazetteers has been obtained for use in this section.

IX.—NATURAL HISTORY SECTION.

Mammals.—The collection was increased by 67 specimens and now includes a splendid series of the skins of wolves, wild dogs and jackals in various stages of growth and from all parts of the Provinces. They afford excellent material for study to anybody who has to recognise these animals before paying rewards for their destruction. A pamphlet on the differentiation of these animals has also been compiled. An important addition was the Gazelle-Antelope hybrid which was born and lived for some years in the Mahrajbagh, where it was finally killed by a four-horned antelope which obtained access to its paddock. A lion cub, an otter, and a porcupine were also added to the collection.

Birds.—A large new case has been fitted up in the Bird Room of an improved type to match a similar case constructed the year previously. These cases show the contents to advantage and economise space. The following birds new to the collection were obtained during the year:—

- Blue-tailed Bee-eater.
- Purple-tumped Sunbird.
- Large Indian Pratincole.
- Bombay Quaker Thrush.
- Southern Painted Partridge.
- Northern Rufous Woodpecker.
- Scallop-billed Green Woodpecker.

The Museum is indebted to Mr. D. MacArthur, Irrigation Survey Division, Nagpur, for a collection of birds' nests and for the following local birds' eggs obtained from him by exchange of duplicates:—

Code		In exchange for	
White-throated Ground Thrush	-	do.	Painted Snipe.
Indian Wire-Welder (white variety)	-	do.	Fledgling Crested Starling.
Indian Elfin	-	do.	Brown Rock Chat.
Black-exped Fly-catcher	-	do.	Indian Flycatcher.
Grey-backed Shrike	-	do.	Hoopoe.
Black Partridge	-	do.	Small Pratincole.
White-fronted Wire-Welder	-	do.	Sykes's Crested Lark.
Snowy Crake	-	do.	Singing Bush Lark.
Boat-billed Graveler	-	do.	Long-tail Bush Quail.
Common Kingfisher	-	do.	Dusky Crag Martin.

Eggs of the Blue-tailed Bee-eater have also been secured.

A group of Button Quails, Tickell's Flower-pecker with nest, and a Peacock have been mounted for the show cases.

Ornithology.—A lecture on Economic Ornithology was given by me to the final year students of the Agricultural College.

Reptiles.—The Typhlopidae (Burrowing snakes) in the Museum were sent for examination to Colonel Wall, at his request. He verified their identification and recognised a few specimens of *Typhlops porrectus* amongst them. The only other specimens of this species are in the British Museum.

A set of local venomous snakes was lent to the Robertson Medical School for lecture purposes and a set of ten named snakes was presented to the Museum of the same institution. I also verified the identification of the snakes already in their possession.

A green Viper (*Vipera graminea*) from Pachmarhi and a large Russell's Viper (*V. Russellii*) were added to the collection and a small crocodile (*Crocodylus gangeticus*) and an agamid lizard (*Charaxes blanfordi*) mounted for exhibition.

Fish.—Local loaches and a collection of local mosquito larvical fish were added to the collection.

Mollusca.—The collection of local mollusca was relabelled with printed labels and the collection enlarged.

A diagram of an ideal mollusc was introduced into the show case.

Varia.—Some additions during the year were an exceptionally large tree snake (*Tree pit viper*), a hamadryas, a green tree snake and a cobra from Betul. The large Russell's Viper, which had lived in the vivaria for the last six years, died. The present position of the vivaria is not ideal for housing reptiles, and great care is necessary during the warmer and colder months.

X.—ENTOMOLOGICAL SECTION.

The Insect Gallery was increased by six compartments depicting named local forms of Coleoptera and Lepidoptera with descriptive labels. The families Pieridae, Lycaenidae, Hesperiidae, Arctiidae, Amatidae, Nortidae, Sphingidae and Saturnidae of the Lepidoptera and Scarabaeidae of the Coleoptera were dealt with.

Three compartments illustrating lepidopterous and coleopterous pests were also added. All the Sphingidae (Hawk-moths), Uramidae, Geometridae, Hypsidae and Lymantriidae in the Museum were identified by me and labels prepared for the Sphingidae, Archidae, Scorpions, Solifugae and Araneae (Spiders). Labels have also been prepared for the Hemiptera and a number of these insects identified.

The following insects were sent to specialists in Europe for identification and return.—

Two consignments of Carabidae to Mr. H. E. Andrews (both returned), Curculionidae, Erotylidae, Endomychidae and Rolelini to Messrs. Marshall and Arrow at the British Museum (not yet returned). Histeridae to Mons. Desbordes of Paris. The latter named all but one of the specimens sent to him and also presented us with a number of specimens.

I identified a number of Dragon-flies and Noctuids while at Pusa during the 4th Entomological Meeting.

The Imperial Entomologist visited the Insect gallery in December and expressed his approval of the exhibits on display.

The ethnological collection has been increased.

XI.—INDUSTRIAL AND ECONOMIC SECTION.

A move was made to improve this section in commercial lines and manufacturers of local industries were asked to advertise their wares in the Museum. The larger firms took advantage of this, e.g., the Tapi Mills at Burhanpur sent 29 samples of mill-woven cloth, the Perfect Pottery Works, Jubbulpore, sent 51 exhibits of their pottery. The manufacturers of minor village industries were naturally unwilling to exhibit their wares and several of these have been purchased and placed on exhibition. Noteworthy are the hand-woven cloths from Damoh and the dyed cloths from Sohagpur.

The specimens of leather, silk and cotton fabrics, scantlings, waxes and tobacco, were relabelled.

Tours.—I was on deputation from the 13th to 30th January as taxidermist to His Royal Highness the Duke of Connaught. In February I attended the meeting of the Board of Agriculture (Entomological Section) held at Pusa and also paid a visit to the Lucknow Museum.

A collecting trip was made to the Balaghat District in March. The Coin Expert visited Deogarh, District Chhindwara, and brought photographic negatives of the old Gond buildings.

E. A. D'ABREU,

Gazetted Central Museum,

Nagpur.

APPENDIX A

Receipts and charges under contingencies, including servants' paid from contingencies and T. A. under the same head during the year ending 31st March 1921.

Details.	Amount	Total	Remarks.
<i>Revenue</i>			
Opening balance on 1st April, 1921	RSRS 0 0	--	
Allowance for 1920-21	4,250 0 0	--	
Amount credited to Treasury	222 6 0	--	
		9,652 13 0	
<i>Expenditure</i>			
Miscellaneous and other contingent expenditure, including salaries and T. A. of servants paid from contingencies	3,271 13 10	5771 13 10	
		3,886 4 11	Balanced on 31st March, 1921.

APPENDIX B

Statement showing the number of coins received in the Central Museum, Nagpur, for the Coin Cabinet during the year ending 31st March 1921.

Donor.	Cobalt.	Silver.	Copper	Billets.	Lead.	Mixed metal.	Total.	Remarks
Director of Industry, Central Provinces, Nagpur.	—	115	3	—	—	117	119	
Under Secretary, United Provinces, Allahabad.	—	4	—	100	—	—	4	
Under Secretary, Government of Bengal, Calcutta.	—	•	—	100	—	—	2	
Superintendent, Government Museum, Madras.	1	—	100	—	40	—	5	
	1	121	3	—	•	—	123	
	—	•	—	—	—	—	—	

APPENDIX C.

*Coin received for the Coin Cabinet of the Central Museum, Nagpur,
during the year 1920-21.*

I.—OTHER THAN MOHAMMADAN COINS.

Serial No. and Metal.	No. of Coins.	Name of the King and Description.	Year and date.	Donor.	Locality where found.
1 N	1	Vishaya Faran.	—	Government Muse- um, Madras.	Calcutta.
2 R	1	Kotahari Pl. VIII No. 47. "Currency of Balasat- ra."	—	Director of Indus- try, Central Pro- vinces.	Sagar.

*List of Coins received for the Coin Cabinet of the Central Museum, Nagpur,
during the year 1920-21.*

II.—PATHAN SULTANS AND THEIR CONTEMPORARIES.

Serial No. and Metal.	No. of Coins.	Name of the King and Description.	Year and date.	Donor.	Locality where found.
Objects.					
1 R	1	Mohammed III, 1. M. C. H. XIII, Bo.	961	Director of Indus- try, Central Pro- vinces.	Balaghat.
2 -	1	Mohammed Shah III, X year 1260.	961	—	—
3 -	1	Mohammed Shah III, year 1261.	—	—	—
4 -	1	Mohammed Shah III, year 1262.	—	—	—

*List of Coins received for the Coin Cabinet of the Central Museum, Nagpur,
during the year 1920-21.*

III.—MOGHUL EMPERORS

Serial No. and Metal	No. of Cust.	Name of ICong.	Mint.	Year and date.	Owner	Locality where found.
1. A	1	Akbar	Amritsar	as last Anno 1070	District of Industries, Central Provinces	Sangli
2. "	1	"	Bengal	—	—	Bengal
3. "	1	"	Bengal	—	—	—
4. "	1	Changi	Amritsar	1071, 11, M.C. 1077	—	Balaghat
5. "	1	"	Bengal	—	—	Italy
6. "	1	"	Bengal	12 Farvardin	Under Secretary, U.P., Allahabad	Mirzapur
7. "	1	"	Mohor	1036-37	District of Industries, Central Provinces	Rajputana
8. "	1	Jahangir and Shahzad	—	1055-56	Under Secretary, Govt. of Bengal, Calcutta	Jamshedpur
9. "	1	Hosh Jahan and Bahadur	—	—	Under Secretary, U.P., Allahabad	Mirzapur
10. "	1	Shah Jahan and Lahore	—	1069-70 1071-72	District of Industries, Central Provinces	Sangli
11. "	12	"	Fatehpur	—	Under Secretary to Government of Bengal, Calcutta	Jamshedpur
12. "	1	Aurangzeb	Amritsar	1084-85 1085-86 1086-87	District of Industries, Central Provinces	Sangli
13. "	1	"	—	1089-91	—	Wardha
14. "	1	"	Ajmer	1095-97	—	Burdwan
15. "	1	"	Ahmedabad	1098-99	—	Wardha
16. "	1	"	—	1104-11	—	Bengal
17. "	1	"	—	1113-14	—	—
18. "	1	"	—	1117-18	—	—
19. "	1	"	Patna	1126-27	—	—
20. "	1	"	—	1134-35	—	—
21. "	1	"	Gulbarga	1091-92	—	—

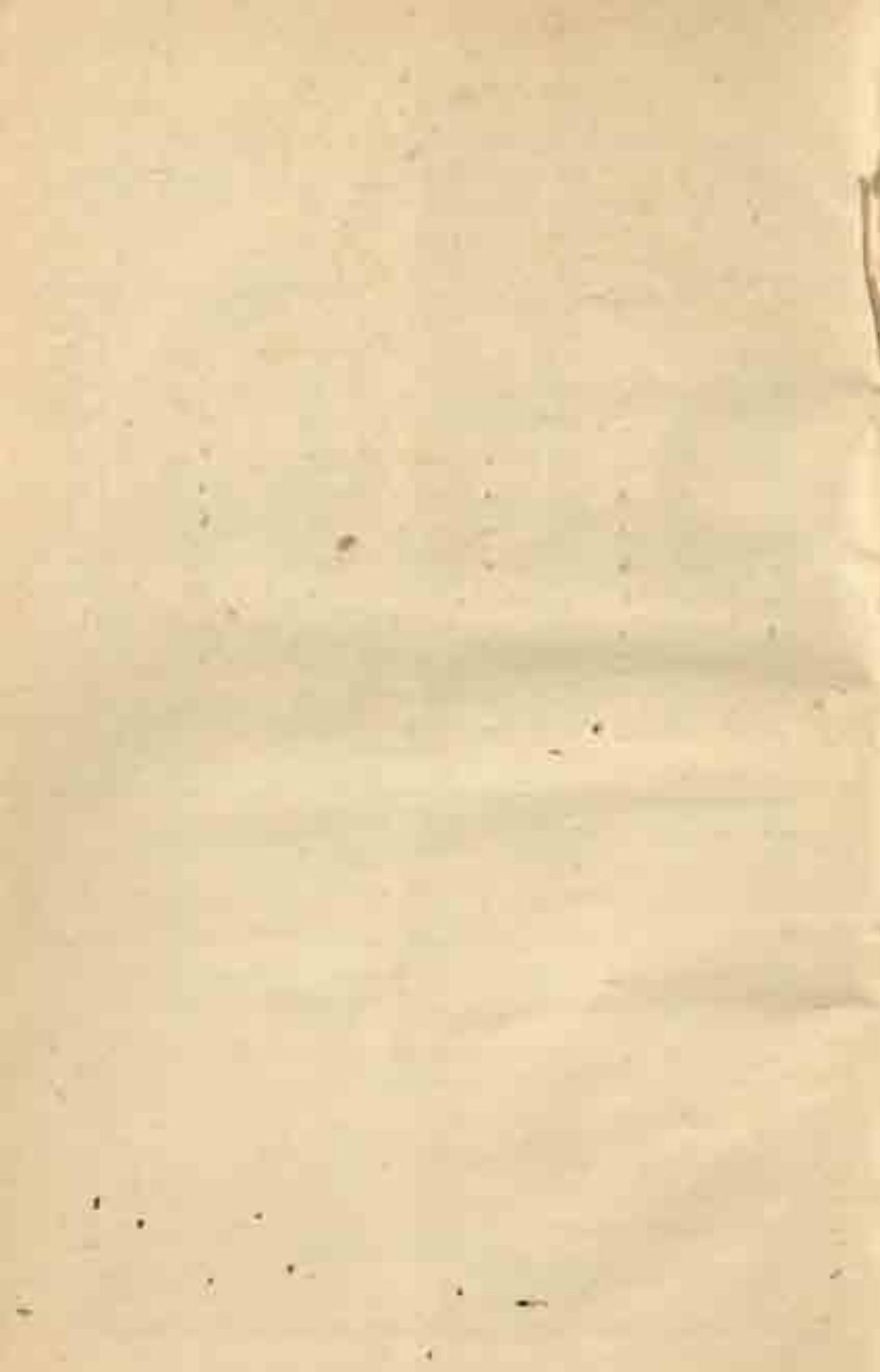
Serial No. and Metal	No. of Coins	Name of King	Mint	Year and date	Dater	Locality where found.
22	10	Ashvapati	Ujjayinipura	1445-46	Director of Industries, Central Provinces	Sangar.
23	10	"	Lalitpur	1446-51	"	"
24	10	"	Baldhan	21	"	"
25	10	"	Pataliputra	1455-56	"	"
26	10	"	Saurashtra	27	"	Sangar.
27	10	"	"	1468-70	"	Anurad.
28	10	"	"	1469-70	"	Sangar.
29	10	"	Tatya	1471	"	"
30	10	"	"	1482-83	"	"
31	10	"	Zafarabad	1499-500	"	"
32	10	Sikhs Alam I	Akkashahar	1501	"	Sangar.
33	10	"	Azmatabad	1511-1512	Under Secretary, U.P., Akkashahar.	Ranib.
34	10	"	Dawri	1512-13	Director of Industries, Central Provinces	Sangar.
35	10	"	"	1518-19	"	"
36	10	"	Kewalnath	1520-1	Under Secretary, U.P., Akkashahar.	Ranib.
37	10	Jahangir Shah	Norut	1523-1524	Director of Industries, Central Provinces	Sangar.
38	10	Farnakshah	Akkashahar	4	"	"
39	10	"	... Akkashahar	1529-2	"	"
40	10	"	... Akkashahar	1529-3	"	"
41	10	"	... Hushangpur	1535-6	"	"
42	10	"	"	1539-40	"	"
43	10	"	Husna	1572-3	"	"
44	10	"	"	3	"	"
45	10	"	Gwalior	1729-7	"	"
46	10	"	Somnath	3	"	"
47	10	Shah Jahan II	Akkashahar	1532-33	"	"
48	10	Mohammed Sulj	"	2	"	"
49	10	"	"	1536-7	"	"

Serial No. and Metal	No. of Coins	Name of King	Mint	Year and date	Dosar:	Locality where found.
50 -	1	Mohammed Shah	Akhurabad	-	7	Director of Industries Central Provinces
51 -	1	-	Akbarnagar (Traces of some letters after mint name)	1132-3	-	Baldass.
52 -	1	-	Allahabad	-	3	Saugor.
53 -	1	-	Arkat	1136-7	-	-
54 -	1	-	-	-	2	-
55 -	1	-	Azimabad	1138-9	-	-
56 -	1	-	Barsikhi	1138-9	-	Baldass.
57 -	1	-	Bareli	1138-9	-	Saugor.
58 -	1	-	-	1138-9	-	-
59 -	1	-	Ellorpur	-	1132-3	-
60 -	1	-	Ezam	-	6	-
61 -	1	-	-	-	29	-
62 -	2	-	Gwalior	-	2 (7)	-
63 -	1	-	-	-	3	-
64 -	1	-	-	1134-5 (7)	-	-
65 -	1	-	-	1134-5	-	-
66 -	1	-	Kara	-	2	-
67 -	1	-	-	-	3	-
68 -	1	-	-	1138-9	-	-
69 -	1	-	-	-	2	-
70 -	1	-	-	1140-1	-	-
71 -	1	-	-	-	20	-
72 -	1	-	-	-	25	-
73 -	1	-	Mohammed- shah Bahadur	1138-9	-	-
74 -	1	-	-	1138-9	-	-
75 -	1	-	Murshidabad	-	12	-
76 -	1	-	Sardar	-	16	-
77 -	1	-	Sawal Japur	-	2	-

Serial No. and Metal	No. of Coins	Name of King	Mint.	Year and date.	Domin.	Locality where found
76-78.	1	Mohammed Shah.	Shahjahan- Qureshi.	—	16	Director of Industries, Central Provinces
79	1	—	Shahjahan- shah.	1194-5	—	—
80	1	—	—	1199-9	—	—
81	1	—	—	1199-9	—	Burdwan.
82	1	—	—	1199-10	—	Sonarpur.
83	1	—	—	1199-10 (1199-12)	—	Burdwan.
84	1	—	—	—	—	Sonarpur.
85	1	—	—	—	—	—
86	1	—	Silhipur	1199—	—	Amarapuri.
87	1	Ahmed Shah.	Allahabad	1165-6	—	Sonarpur.
88	1	—	Arkoit	—	—	Burdwan.
89	1	—	—	7	—	—
90	1	—	Balwantrager.	—	—	Sonarpur.
91	1	—	Khanishahmuyad	1161-ahd	—	Burdwan.
92	1	—	—	1166-6	—	—
93	1	—	Mohammed- Hamza.	1192-3	—	Sonarpur.
94	1	—	—	1164-5	—	—
95	1	—	Murshidabad.	—	—	Amarapuri.
96	1	Akingar II.	Allahabad	1168-9	—	Sonarpur.
97	1	—	—	5-1176-(10)	—	—
98	1	—	Akor	—	—	Burdwan.
99	1	—	Balwantrager.	1167-ahd	—	Sonarpur.
100	1	—	—	1177-8	—	—
101	1	—	Gaura.	—	—	—
102	1	—	Khanishahmuyad	1178-9	—	Burdwan.
103	1	—	Qasimdar.	1192-3 (10)	—	—
104	1	—	Shahjahanshah.	1193 on both obv. and rev.	—	—
105	1	Sikhs Alam II.	Burhanpur	—	—	—

Serial No. in Recd. Col.	No. of Coll.	Name of Wing	Dist.	Year and date	Division	Lining when found
no A	1	Shah Alam II	Chittarpur	—	Directorate of Industries Central Province	Zangar.
107	1	"	"	4	"	"
108	1	"	"	6	"	"
109	1	"	Kalijaburyp	1175-3	"	Ballia.
110	1	"	"	1177-4	"	"
111	1	"	"	1178-2	"	"
112	1	"	"	6	"	"
113	1	"	"	1180-2	"	"
114	1	"	"	—	"	"
115	1	"	Kora	—	"	Zangar.
116	1	"	"	3	"	"
117	1	"	"	4	"	"
118	1	"	"	6	"	"
119	1	"	"	1200-21	"	Azamara.
				1210-22	"	"

Gost. Pintek, Nizam - 2 + 3 = 5 Min of Ind + 2(172) = 222.



178/22

REPORT
ON THE
CENTRAL MUSEUM, NAGPUR
FOR THE YEAR

1921-22

22450

Agents for the sale of Books published by the Central Provinces Administration.

IN ENGLAND.

COWPER & CO., 10, Orange Street, Leicester Square, London, W. C.
J. S. KING & SON, 2, Bridge Street, Westminster, London, S. W.
KING PATE, THOMAS, THOMAS & CO., 50 & 74, Carter Lane, London, E. C., and
30, New Oxford Street, London, W. C.
R. QUARITCH, 11, Grafton Street, New Bond Street, London, W.
GARRARD & CO., 54, Parliament Street, London, S. W.
DEANSTON HALL & CO., LTD., Cambridge.
R. H. BAGETT, 60 & 61, Broad Street, Oxford.
HENRY R. KING & CO., 63, Cornhill, London, E. C.
LEEDS & CO., 46, Great Russell Street, London, W. C.
W. TAYLOR & CO., 2, Creek Lane, London, E. C.
OLIVER & BOYD, Thistlehill Court, Edinburgh.
C. PORSONNY, LTD., 110, Grafton Street, Dublin.
T. FISHER UNWIN, LTD., 1, Adelphi Terrace, London, W. C.
WILLIAM WAGSTAFF & SON, 28, Essex Street, Strand, London.

ON THE CONTINENT.

JOSÉPH LANGE, 25, Rue Bonaparte, Paris.
MARCELIN NADONNE, The Hague.
WILHELM HANSEWITZ, Leipzig.
FRIEDLAENDER & SOHN, Berlin.

IN INDIA, AND THE COLONIES.

THACKER, BROWN & CO., Calcutta and Madras.
NEWBOLD & CO., Calcutta.
R. C. CHATTERJEE & CO., Calcutta.
R. K. LALIT & CO., Calcutta.
BECKERWICH & CO. (INDIA), LTD., 83, Hastings Street, Calcutta.
VALUABLE SCHOOL BOOK AND LIBRARY LITERATUR SOCIETY, Calcutta.
THE WALTON LIBRARY, 135, Charing-cross Road, Calcutta.
H. C. SINGH & SON, 72, Hastings Road, Calcutta.
THE ASSOCIATION PRESS, Calcutta.
THE PROSPERITY INTERNATIONAL BUSINESS BOOK DEPOT, 4, Chancery Chowk, 1st Lane, Calcutta.
A. J. CONNELL & CO., Bombay.
THACKER & CO., LTD., Bombay.
D. R. TANSTONWALL, BOMBAY & CO., Bombay.
HABIBULLAH ALI MAMUN SINGH, Bombay.
SHRIKRISHNA V. BHATTACHARYA, 36, Malabar Road, Bombay.
MANOHARLAL GOVIND & SON, Mahim, Kallasheri, Bombay.
A. J. CONNELL & CO., Madras.
HODDERSON & CO., Madras.
V. KALYANARAM IYER & CO., Madras.
G. A. NAZIRAN & CO., Madras.
E. MICHINT & CO., Madras.
THOMPSON & CO., Madras.
TEMPLE & CO., Madras.
HAI PARSH N. OGLAS SINGH & SON, Lahore.
THE PROSPERITY, NEWAL KHANNA PRESS, Lucknow.
S. R. MAJUMDAR, SUPERINTENDENT, KALYAN KHAN'S HIGH PRESS, Allahabad.
A. H. WHITELAW & CO., Aligarh, Calcutta and Bombay.
SUPERINTENDENT, AMERICAN BAPTIST MISSION PRESS, Rangoon.
MANOHAR, GENERAL BOOK TRADE, Nagpur and Jabalpur.
THE BRAHMIN, "The Hindu," Nagpur.
A. H. & J. PERINBOY, Bookbinders, Ceylon.
MADRAS & C. TALQUAN, Proprietor, Students & Co., Cochin, India.
THE SINGAPORE PUBLISHING HOUSE, Karsali.
AKHILESHWAR KALAKAR & Sons, Burma.
MEHTA RAM RAM, Managing Proprietor, Indian Army Book Depot, Juhu, Cawnpore.
THE PRAEKTRON, New Kaliakoir.—Poems.

NO. 2327-D.

FROM

H. R. CROSTHWAITE, Esq., C.I.E., C.B.E., M.I.C.,
DIRECTOR OF INDUSTRIES,

Central Provinces,

To

THE SECRETARY TO GOVERNMENT,
COMMERCE AND INDUSTRY DEPARTMENT,
Central Provinces.

Nagpur, the 7th September 1922.

SIR,

I have the honour to submit, herewith, the Report for 1921-22 on the Central Museum, Nagpur.

I have the honour to be,

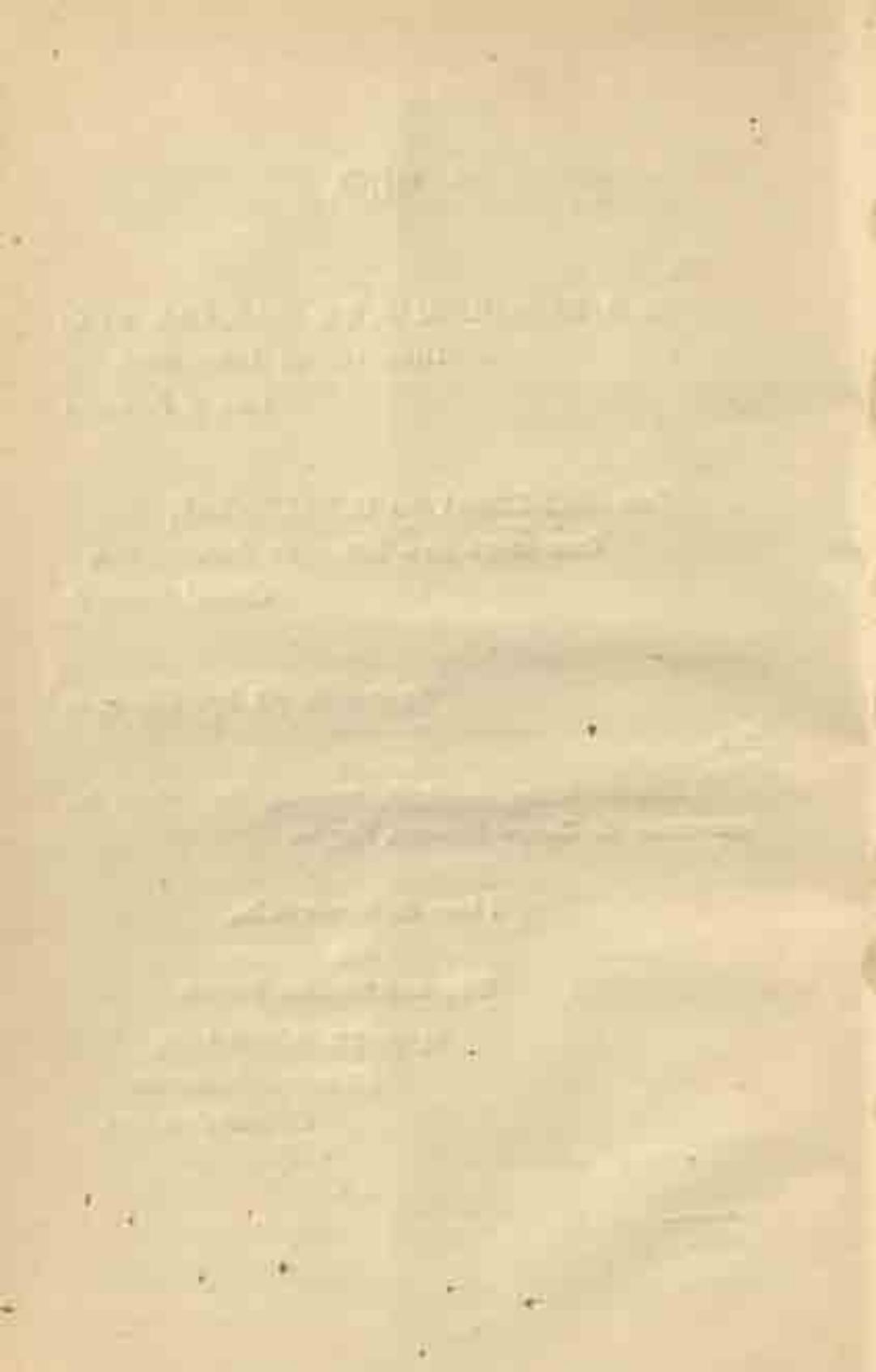
Sir,

Your most obedient Servant,

H. R. CROSTHWAITE,

Director of Industries,

Central Provinces.



REPORT OF THE CENTRAL MUSEUM, NAGPUR, FOR THE YEAR 1921-22

I.—FINANCE.

The opening balance at the credit of the Museum on the 1st April 1921, was Rs. 3,886-1-11 (Appendix A). The donation made by Government for the year was Rs. 2,053-0-0, the amount credited into the Treasury was Rs. 118-2-0 bringing the total to Rs. 6,057-3-11.

The expenditure incurred under "contingencies" amounts to Rs. 3,223-5-1, including salaries and travelling allowances of servants and contingencies. The year closed with a balance of Rs. 3,733-14-10. The total expenditure on the salaries and allowances of the permanent staff was Rs. 4,306-7-1.

II.—VISITORS.

The total number of visitors counted at the turnstiles for the year was 218,627 (males 151,172 and females 67,455) against 199,115 in the previous year. The Curator of the Patna Museum was a visitor on the 25th and 26th March 1922.

III.—GENERAL ARRANGEMENTS

During the year the building was fitted with electric lights and fans. The old industrial and art section was overhauled and a number of useless exhibits removed. The ethnological collection of Gond articles was removed from the west wing into the central hall and the textiles were re-arranged in the west wing.

IV.—BUILDING.

Plans have long been ready for the extension of the building. A room 60' x 30' is wanted for a commercial section and emporium. This will help the other sections in the Museum to develop.

V.—ARCHEOLOGICAL SECTION

The most important addition to this section was an inscribed wooden pillar 12½ feet long found in the bottom of a tank at Kirari in the Chandrapur Zamindari of the Bilaspur

district. The type of letters used in the inscription fixes its date between the 1st and 3rd centuries A.D. A copy of the inscription made by a pundit at Kirti when the pillar was first found has been obtained, but when the Coin Expert went to Chandrapur to treat the pillar and to bring it away he found only about 1 foot of the inscribed portion left on it. While at Chandrapur the Coin Expert also procured through Mr. L. P. Pandaya of Balpur two old iron spears exposed by the cutting away of the bank of the Mahanadi. Mr. Pandaya has presented an old steatite drinking vessel and two minute gold rings (*bal munas*) found in the Mahanadi.

A copper plate in two parts belonging to the period of the Haikayavansu kings was received from the Deputy Commissioner, Raipur, and is being described by Rai Bahadur Hiralsal in *Epigraphia Indica*.

In accordance with the Local Government's orders seven Jain images which have been many years in this section were given to the Jain community. These were removed with much ceremony on the 3rd October 1921.

Numismatics.—The collection in the coin cabinet was increased by 144 coins received from various sources as detailed in Appendix R. A descriptive list of the coins—Appendix C—has been prepared which includes a number of unique and rare coins, viz. Nos. 1 to 6 and 12 to 15, of part I, and Nos. 6, 35, 43, 49, 102 and 103 of part III.

VI.—GEOLOGICAL SECTION

The collection of mineral types—the economic minerals, the rocks and the fossils were re-numbered and catalogued. A fine specimen of stalactitic limestone was obtained from Ramtek, and a few additions made of coal, copper-ore from Betul, manganese, etc. A few echinoderms from Dwarka were presented. Many of these exhibits were provided with new labels.

Messrs. H. F. Cook and Sons, Katni, sent samples of limestones and bauxites for exhibition and Opherts Paints and Products Limited, Katni, sent 16 samples of their metallic paints.

VII.—ZOOLOGICAL SECTION

Mammals.—The black ape which was one of the great attractions in the Maharaj Bagh menagerie died and has been mounted and given a place in the mammal gallery. A good specimen of a four-horned antelope was added.

Birds.—Two groups of herons and rails amongst natural surroundings have been prepared and placed on exhibition and the following birds new to the collection have been obtained:—

- Steppe Eagle.
- Bonelli's Eagle.
- Lesser Flamingo.
- Night Heron.
- Flamingo.

The egg collection was re-labelled and has been improved chiefly by exchange through the energies of Mr. D. MacArthur. New clutches to the collection are as follows:—

- Tickle's Flower-pecker.
- Indian Sand Martin.
- Rufus-bellied Babbler.
- White-browed Bulbul.
- Pied Kingfisher.
- Black-headed Oriole.
- Indian Pitta.
- Purple Moorhen.
- Coot.
- Black Partridge.
- Peafowl.
- Rock Horned Owl.

A hand-list of the birds of the Central Provinces is in preparation and a bird calendar for the Central Provinces is desired by local bird-lovers, one of whom has supplied considerable data from four central districts.

Reptiles and Fish.—A chart showing how to tell whether a snake is poisonous, and a mounted specimen of the fish *Pangasius buchanani* from the Mahanadi have been introduced into the galleries.

The cabinet collection of specimens in alcohol has been overhauled and systematically arranged in a dark corner at one end of the work room.

VIII.—ENTOMOLOGICAL SECTION.

The insect gallery was increased by seven compartments depicting named local forms of diptera, rhynchota, and arachnida. The cases devoted to rhynchota dealt with land and aquatic bugs and also plant lice with representations of the

families Pentatomidae, Coreidae, Lygaeidae, Hydrometridae, Belostomidae, Reduviidae, etc. The case devoted to the phytophthires shows plant lice, scale insects and also the lac insect.

A preparation showing the terminology of the hard parts of a bog and diagrams showing the venation of an ideal insect's wing and of a lepidopterous wing have also been added.

The gallery has also been enriched by coloured plates showing pests of the cotton, rice and wheat plants and other lepidopterous pests.

The display of the arachnids consists of local scorpions, typical spiders and the salinige. Only one consignment of insects was sent out to specialists for identification, but two were received which had been sent out in previous years. The cabinet collection has been increased and most of the scorpions in the Museum have been identified.

IX.—INDUSTRIAL AND ART SECTION.

Much time had to be devoted to this section this year. The whole collection has been re-catalogued, re-labelled and re-arranged, a large number of useless exhibits weeded out, but it is still far from satisfactory. It is hoped that when a new room has been added to the building all specimens of commercial importance will be removed from this section which could then be entirely devoted to ethnology, art and archaeology.

The changes at present effected consist chiefly of bringing together articles of a like nature and their correct labelling.

One case has been arranged with local pottery and another devoted only to exhibits from the potteries of Jubbul-pore. Another case contains lacquered ware with a model of a lac factory showing the various processes gone through. Another case contains agricultural models. The wood carvings and stone work have been removed to one end of the room and have been labelled.

The gold and silver work has been brought together and labelled and the same has been done with all the musical instruments which now occupy a bay in one of the central cases.

X—ECONOMIC SECTION.

The timber specimens and the fibres have been sorted out, and short descriptive labels have been added to the former. Through the Director of Agriculture 49 samples

of typical agricultural products of the provinces and also 21 samples of local fodder, thatching, and oil-producing grasses were received.

It is hoped shortly to have all local forest products on exhibition.

XI.—EMPORIUM.

An emporium for the exhibition and sale of cottage industry products was opened in May in the central hall. No funds were available for the purchase of suitable show-cases but some miscellaneous cases not in use were assembled and used to the best advantage. The arrangement is not satisfactory as many goods cannot be displayed but have to be hidden away so that the visitor does not gain a correct impression of the quantity and variety of the goods stocked.

The object of this emporium is to increase the sale of village products, not only to the extent that goods can be sold there but by introducing new lines and new makers to shopkeepers and those in a position to buy in large quantities. This aim has been achieved, several dealers in Nagpur now stock new lines as a result of what they have seen in this emporium. A directory of cottage manufactures giving the names and addresses of the makers has been compiled and is being printed. It is hoped this will increase the trade in these goods.

XII.—EDUCATIONAL.

The following sets of specimens were given free of charge to other institutions or school museums for educational purposes —

- (1) A set of 20 named minerals and rocks to St. Joseph's Convent High School, Nagpur.
- (2) A set of six mounted birds to the Normal School, Raipur.
- (3) A set of two mammals, nine birds, one reptile and one fish to St. Mary's High School, Mhow.
- (4) A set of 34 birds and two mammals to the Deputy Chief Scout, Boy Scouts' Association, for demonstration work to scout-masters.

At the request of the Deputy Chief of the Boy Scouts' Association a lecture was given in July to a party of scout-masters on the birds of the Central Provinces. How to

recognize poisonous snakes and disease-carrying flies was demonstrated by means of specimens to a few students of the Robertson Medical School in March. A party of schoolboys from Akola were taken round by the Coin Expert in October. As usual a number of animals, chiefly reptiles and mammals, have been sent to the Museum for identification.

Tours.—Collecting trips were made in the Bhandara and Hoshangabad districts and the Pendira Zamindari during the winter months. The Coin Expert also toured in Chandrapur Zamindari, Raigarh State, and visited Hoshangabad and Bilaspur in connection with archaeological work.

M. A. SUBOOR,

Officiating Curator.

APPENDICES

REDACTED

APPENDIX A.

Receipts and Charges under Contingencies, including Servants paid from Contingencies and Travelling Allowance under the same head during the year ending 31st March 1922.

Details.	Actuals.	Total.	Remarks.
<i>Receipts</i>	Rs. a. p.	Rs. a. p.	
Opening balance on 1st April 1922	5896 2 11		
Allotment for 1921-22	4552 9 0		
Amount credited into Treasury	118 2 6		
Total	—	6473 9 11	
<i>Expenditure</i>			
Miscellaneous and other contingent expenditure, including salaries and travelling allowance of servants paid from contingencies	3123 8 1	3123 8 1	
Total	—	3123 8 1	Balance on 31st March 1922

APPENDIX B.

Statement showing the number of Coins received for the Coin Cabinet during the year ending 31st March 1922.

Dinars.	Gold.	Silver.	Cop. per.	Billon.	Lassi.	Mixed metals.	Total.	Remarks.
Director of Industries, Central Provinces, Nagpur.	22	400	—	—	—	22	149	
Director-General of Archaeology in India (through Indian Museum, Calcutta).	—	5	78	—	—	—	17	
Sariska Museum, Jodhpur	—	1	—	—	—	1	1	
Assistant Secretary to the Government of Bengal, Calcutta	—	1	—	—	—	1	1	
Total	22	410	23	—	—	144		

APPENDIX C

*List of Contracts entered for the Care Cabinet of the Central Mission, Nagpur,
during the year 1931-32*

ONE THOUSAND MEXICAN COINS.

Spec. No. and Serial	No. of parts	Ornate	Smooth	Very smooth	Smooth	Locality where found
3	2	7	4	4	4	Tulon, Missouri, Calumet.
4 A	4	FOLIATE OR PAPERY.			A.D.	Purchased by the Director- General of Archaeology in India.
		Face ornament of shield and handles. Part of long, thick, and broad rod, with elongated band around neck, smooth. Length, more than 1.75 C. Width, seven mm.	Face ornament of shield and handles. Part of long, thick, and broad rod, with elongated band around neck, smooth. Length, more than 1.75 C. Width, seven mm.	Face ornament of shield and handles. Part of long, thick, and broad rod, with elongated band around neck, smooth. Length, more than 1.75 C. Width, seven mm.	About 100 A.D.	Purchased by the Director- General of Archaeology in India.

I.—OTHER THAN MUHAMMADAN COINS—(Contd.)

Serial No. of catalogue	No. of coins	Obverse	Reverse	Year and date	Dress	Locality where found
364	2	Plain or slightly marked.	Plain	1000 A.D.	Dress of Indian Central Princes A.D.	Akola, India
365	2	Plain or slightly marked.	Plain	1000 A.D.	Dress of Indian Central Princes A.D.	Bijapur, India
366	2	Plain or slightly marked.	Plain	1000 A.D.	Dress of Indian Central Princes A.D.	Mysore, India
367	2	Plain or slightly marked.	Plain	1000 A.D.	Dress of Indian Central Princes A.D.	Mysore, India
368	2	Plain or slightly marked.	Plain	1000 A.D.	Dress of Indian Central Princes A.D.	Mysore, India
369	2	Plain or slightly marked.	Plain	1000 A.D.	Dress of Indian Central Princes A.D.	Mysore, India
370	2	Plain or slightly marked.	Plain	1000 A.D.	Dress of Indian Central Princes A.D.	Mysore, India
371	2	Plain or slightly marked.	Plain	1000 A.D.	Dress of Indian Central Princes A.D.	Mysore, India
372	2	Plain or slightly marked.	Plain	1000 A.D.	Dress of Indian Central Princes A.D.	Mysore, India

I.—OTHER THAN MUHAMMADAN COINS.—(Contd.)

Serial No. and date.	Name of mint.	Obverse.	Reverse.	Year and date.	Diameter.	Locality where found.
88	-	-	-	-	-	-
89	-	-	-	-	-	-
90	-	-	-	-	-	-
91	-	-	-	-	-	-
92	-	-	-	-	-	-
93	-	-	-	-	-	-
94	-	-	-	-	-	-
95	-	-	-	-	-	-
96	-	-	-	-	-	-

HINDU COINAGE OF KASHMIR.

Dvaras, Dravas.

Sakhasas.

88. - Gold coin of R. S. Shahi King
recognisable by the
legend "R. S. Shahi
King".

89. - Gold coin of R. S. Shahi King.

90. - Gold coin of R. S. Shahi King.

91. - Gold coin of R. S. Shahi King.

92. - Gold coin of R. S. Shahi King.

93. - Gold coin of R. S. Shahi King.

94. - Gold coin of R. S. Shahi King.

95. - Gold coin of R. S. Shahi King.

96. - Gold coin of R. S. Shahi King.

Purchased by the
Government of
Kashmir.

26	Brass plate, made from King's t. ^h m th	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
27	Golden 12th. base inc. King's 8. plates	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
28	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
29	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
30	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
31	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
32	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
33	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
34	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
35	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
36	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.
37	Golden 12th. 1. base inc. King's 1. base	1400-1500 A.D.	Indian Caskets	Indian Museum Calcutta	Purchased by the Director- General of Archaeology in India.

1.—OTHER THIN MUDMADAN CORNS.—(Caudal)

Spec. No. and name	Length in mm.	Diameter	Number	Year and date	Density	Country where found.
28. A.	+	4	4	1742—1844 A.D.	Indian Caulis.	Purchased by the Director-General of Archaeology in India.
29. =	+	4	4	1742—1844 A.D.	Indian Caulis.	Purchased by the Director-General of Archaeology in India.
30. =	+	4	4	1742—1844 A.D.	Indian Caulis.	Purchased by the Director-General of Archaeology in India.

List of Coins received for the Coin Cabinet of the Central Museum, Nizhniy during the year 1921-22.

(1) — PATRIAN SURVIVAL AND TIGRE CONTEMPORARIES.

Serial No. and Name of mint.	No. of coins.	Obverse.	Reverse.	Date and Year and date (High).	Source.	Locality where found.
1	1			4		
2	1			5		
3	1			6		

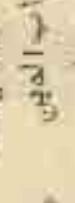
III.—MUNICIPAL EMERGERS.

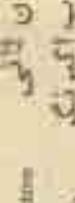
Serial No. and name of emerg. emerg.	No. of cases	District	Revenue	Min.	Year and Rate (%)	Norm.	Locality where found
1	2	3	4	5	6	7	8
1. A.	1	In double circle containing one or date in dotted field	On double field	1.00	18—0.05	Dirección de Indus. Tramvia, C. P.	
1. B.	1	On double line containing one or date in dotted field	1.00	1.00	12—0.05	12—0.05	General

SHAN JAN/JAN.

In square with loops at the corners, with loops at the vertices.
Chinese: 1. The *Ke* all in one corner.

Margins

Top	أَسْفَلْ أَصْفَافْ	
Right	أَمْسِكْ أَسْفَلْ	
Bottom	أَرْبَاعْ مُحَمَّدْ	
Left	أَسْفَلْ أَصْفَافْ	
1. ٦٧٦	in left margin and square.	

Top	أَسْفَلْ أَصْفَافْ	
Right	أَسْفَلْ أَصْفَافْ	
Bottom	أَسْفَلْ أَصْفَافْ	
Left	أَسْفَلْ أَصْفَافْ	

(In double circles containing
one of them, the *Kelin*, & so on)

Top	أَسْفَلْ أَصْفَافْ	
Right	أَسْفَلْ أَصْفَافْ	
Bottom	أَسْفَلْ أَصْفَافْ	
Left	أَسْفَلْ أَصْفَافْ	

— 1945 Secretary to Govt. Brothers
of Bengal, Calcutta
etc.

Dhankar

— 1947

H

III—MUSICAL INSTRUMENTS—(Contd.)

Slip No. No. and initial	No. of coins	Obverse	Inverse	Mint	Year and (High)	Date found	Locality where found
7	8			8	6	2	
8	1	In square with corners at the corners of the National Emblem at 9 m. N.W. A. but beginning from the bottom and 1.5 ft. apart. 	As in No. 8 but green writing	Jaipur	—1932	Director of Indus- trial Tax, C.P.	Dindoshi.
9	1	On horizontal nail.	دیوبند	Shimla			
10	1	On horizontal nail.	دیوبند	Shimla	1938	Omrai.	
11	1	On horizontal nail, the Kallima below.	دیوبند	Shimla	1938		

III.—MURKIN, EQUATION-(CANDL.)

III—MUCHAL EMPHORS—[Contd.]

No. of Serial No. and date.	Object.	Reverse	Min.	Year and date (High)	Period	Totality where found,
on R.s.						
18	As per No. 30 1114 14 1935	Int. P. 9	Int. Int.	Jahangir Mughal	42-116 30-116	Director of Archaeo- logical Survey of India, G. P.
19	1115	Int.	Int.	Khan Jahan Mughal	26-104	Director of Archaeo- logical Survey of India, G. P.
20	1116	Int.	Int.	Wali Khan	26-104	Director of Archaeo- logical Survey of India, G. P.
21	1117	Int.	Int.	Wali Khan	26-104	Director of Archaeo- logical Survey of India, G. P.
22	1118	Int.	Int.	Wali Khan	26-104	Director of Archaeo- logical Survey of India, G. P.
23	1119	Int.	Int.	Wali Khan	26-104	Director of Archaeo- logical Survey of India, G. P.
24	1120	Int.	Int.	Wali Khan	26-104	Director of Archaeo- logical Survey of India, G. P.
25	1121	Int.	Int.	Wali Khan	26-104	Director of Archaeo- logical Survey of India, G. P.
26	1122	Int.	Int.	Wali Khan	26-104	Director of Archaeo- logical Survey of India, G. P.
27	1123	Int.	Int.	Wali Khan	26-104	Director of Archaeo- logical Survey of India, G. P.

۱۰۰	ب	ب	۱۱۹	ب
۱۰۱	ب	ب	۱۲۰	ب
۱۰۲	ب	ب	۱۲۱	ب
۱۰۳	ب	ب	۱۲۲	ب
۱۰۴	ب	ب	۱۲۳	ب
۱۰۵	ب	ب	۱۲۴	ب
۱۰۶	ب	ب	۱۲۵	ب
۱۰۷	ب	ب	۱۲۶	ب
۱۰۸	ب	ب	۱۲۷	ب
۱۰۹	ب	ب	۱۲۸	ب
۱۱۰	ب	ب	۱۲۹	ب
۱۱۱	ب	ب	۱۳۰	ب
۱۱۲	ب	ب	۱۳۱	ب
۱۱۳	ب	ب	۱۳۲	ب
۱۱۴	ب	ب	۱۳۳	ب
۱۱۵	ب	ب	۱۳۴	ب
۱۱۶	ب	ب	۱۳۵	ب
۱۱۷	ب	ب	۱۳۶	ب
۱۱۸	ب	ب	۱۳۷	ب
۱۱۹	ب	ب	۱۳۸	ب
۱۲۰	ب	ب	۱۳۹	ب
۱۲۱	ب	ب	۱۴۰	ب
۱۲۲	ب	ب	۱۴۱	ب
۱۲۳	ب	ب	۱۴۲	ب
۱۲۴	ب	ب	۱۴۳	ب
۱۲۵	ب	ب	۱۴۴	ب
۱۲۶	ب	ب	۱۴۵	ب
۱۲۷	ب	ب	۱۴۶	ب
۱۲۸	ب	ب	۱۴۷	ب
۱۲۹	ب	ب	۱۴۸	ب
۱۳۰	ب	ب	۱۴۹	ب
۱۳۱	ب	ب	۱۵۰	ب
۱۳۲	ب	ب	۱۵۱	ب
۱۳۳	ب	ب	۱۵۲	ب
۱۳۴	ب	ب	۱۵۳	ب
۱۳۵	ب	ب	۱۵۴	ب
۱۳۶	ب	ب	۱۵۵	ب
۱۳۷	ب	ب	۱۵۶	ب
۱۳۸	ب	ب	۱۵۷	ب
۱۳۹	ب	ب	۱۵۸	ب
۱۴۰	ب	ب	۱۵۹	ب
۱۴۱	ب	ب	۱۶۰	ب
۱۴۲	ب	ب	۱۶۱	ب
۱۴۳	ب	ب	۱۶۲	ب
۱۴۴	ب	ب	۱۶۳	ب
۱۴۵	ب	ب	۱۶۴	ب
۱۴۶	ب	ب	۱۶۵	ب
۱۴۷	ب	ب	۱۶۶	ب
۱۴۸	ب	ب	۱۶۷	ب
۱۴۹	ب	ب	۱۶۸	ب
۱۵۰	ب	ب	۱۶۹	ب
۱۵۱	ب	ب	۱۷۰	ب
۱۵۲	ب	ب	۱۷۱	ب
۱۵۳	ب	ب	۱۷۲	ب
۱۵۴	ب	ب	۱۷۳	ب
۱۵۵	ب	ب	۱۷۴	ب
۱۵۶	ب	ب	۱۷۵	ب
۱۵۷	ب	ب	۱۷۶	ب
۱۵۸	ب	ب	۱۷۷	ب
۱۵۹	ب	ب	۱۷۸	ب
۱۶۰	ب	ب	۱۷۹	ب
۱۶۱	ب	ب	۱۸۰	ب
۱۶۲	ب	ب	۱۸۱	ب
۱۶۳	ب	ب	۱۸۲	ب
۱۶۴	ب	ب	۱۸۳	ب
۱۶۵	ب	ب	۱۸۴	ب
۱۶۶	ب	ب	۱۸۵	ب
۱۶۷	ب	ب	۱۸۶	ب
۱۶۸	ب	ب	۱۸۷	ب
۱۶۹	ب	ب	۱۸۸	ب
۱۷۰	ب	ب	۱۸۹	ب
۱۷۱	ب	ب	۱۹۰	ب
۱۷۲	ب	ب	۱۹۱	ب
۱۷۳	ب	ب	۱۹۲	ب
۱۷۴	ب	ب	۱۹۳	ب
۱۷۵	ب	ب	۱۹۴	ب
۱۷۶	ب	ب	۱۹۵	ب
۱۷۷	ب	ب	۱۹۶	ب
۱۷۸	ب	ب	۱۹۷	ب
۱۷۹	ب	ب	۱۹۸	ب
۱۸۰	ب	ب	۱۹۹	ب
۱۸۱	ب	ب	۲۰۰	ب
۱۸۲	ب	ب		
۱۸۳	ب	ب		
۱۸۴	ب	ب		
۱۸۵	ب	ب		
۱۸۶	ب	ب		
۱۸۷	ب	ب		
۱۸۸	ب	ب		
۱۸۹	ب	ب		
۱۹۰	ب	ب		
۱۹۱	ب	ب		
۱۹۲	ب	ب		
۱۹۳	ب	ب		
۱۹۴	ب	ب		
۱۹۵	ب	ب		
۱۹۶	ب	ب		
۱۹۷	ب	ب		
۱۹۸	ب	ب		
۱۹۹	ب	ب		
۲۰۰	ب	ب		

III.—MUGHAL EXPRESSIONS.—I. (Contd.)

Serial No. and mark.	No. of couplets	Poetry	Meaning	Min.	Year and Date (Hijri)	Death.	Locality where buried.
1	1	—	—	—	—	—	—
20. R.	1	شہزادہ شاہ عالم	Shahzada Shah Alam	Abdullah,	Barrister	Director of Indian Drama, Calcutta C. P.	—
21.	1	شہزادہ شاہ عالم	Shahzada Shah Alam	Abdullah,	Abdullah	Abdullah Babu	—

III.—MUSICAL EMPLEOS.—(Contd.)

Serial No. and Name of Compt.	Original Name.	Native.	Min.	Tone and Pitch	Hour	Latitude where found.
30. R. 1.	نیک	نیک	۳	F	6.	26° 45' N. Himalayan.
	دیو	دیو	۴	G	7.	
	پری	پری	۵	A	8.	
	بیل	بیل	۶	B	9.	
	بیل	بیل	۷	C	10.	
	بیل	بیل	۸	D	11.	
	بیل	بیل	۹	E	12.	
	بیل	بیل	۱۰	F	1.	
	بیل	بیل	۱۱	G	2.	
	بیل	بیل	۱۲	A	3.	
	بیل	بیل	۱۳	B	4.	
	بیل	بیل	۱۴	C	5.	
	بیل	بیل	۱۵	D	6.	
	بیل	بیل	۱۶	E	7.	
	بیل	بیل	۱۷	F	8.	
	بیل	بیل	۱۸	G	9.	
	بیل	بیل	۱۹	A	10.	
	بیل	بیل	۲۰	B	11.	
	بیل	بیل	۲۱	C	12.	
	بیل	بیل	۲۲	D	13.	
	بیل	بیل	۲۳	E	14.	
	بیل	بیل	۲۴	F	15.	
	بیل	بیل	۲۵	G	16.	
	بیل	بیل	۲۶	A	17.	
	بیل	بیل	۲۷	B	18.	
	بیل	بیل	۲۸	C	19.	
	بیل	بیل	۲۹	D	20.	
	بیل	بیل	۳۰	E	21.	
	بیل	بیل	۳۱	F	22.	
	بیل	بیل	۳۲	G	23.	
	بیل	بیل	۳۳	A	24.	
	بیل	بیل	۳۴	B	25.	
	بیل	بیل	۳۵	C	26.	
	بیل	بیل	۳۶	D	27.	
	بیل	بیل	۳۷	E	28.	
	بیل	بیل	۳۸	F	29.	
	بیل	بیل	۳۹	G	30.	
	بیل	بیل	۴۰	A	31.	
	بیل	بیل	۴۱	B	32.	
	بیل	بیل	۴۲	C	33.	
	بیل	بیل	۴۳	D	34.	
	بیل	بیل	۴۴	E	35.	
	بیل	بیل	۴۵	F	36.	
	بیل	بیل	۴۶	G	37.	
	بیل	بیل	۴۷	A	38.	
	بیل	بیل	۴۸	B	39.	
	بیل	بیل	۴۹	C	40.	
	بیل	بیل	۵۰	D	41.	
	بیل	بیل	۵۱	E	42.	
	بیل	بیل	۵۲	F	43.	
	بیل	بیل	۵۳	G	44.	
	بیل	بیل	۵۴	A	45.	
	بیل	بیل	۵۵	B	46.	
	بیل	بیل	۵۶	C	47.	
	بیل	بیل	۵۷	D	48.	
	بیل	بیل	۵۸	E	49.	
	بیل	بیل	۵۹	F	50.	
	بیل	بیل	۶۰	G	51.	
	بیل	بیل	۶۱	A	52.	
	بیل	بیل	۶۲	B	53.	
	بیل	بیل	۶۳	C	54.	
	بیل	بیل	۶۴	D	55.	
	بیل	بیل	۶۵	E	56.	
	بیل	بیل	۶۶	F	57.	
	بیل	بیل	۶۷	G	58.	
	بیل	بیل	۶۸	A	59.	
	بیل	بیل	۶۹	B	60.	
	بیل	بیل	۷۰	C	61.	
	بیل	بیل	۷۱	D	62.	
	بیل	بیل	۷۲	E	63.	
	بیل	بیل	۷۳	F	64.	
	بیل	بیل	۷۴	G	65.	
	بیل	بیل	۷۵	A	66.	
	بیل	بیل	۷۶	B	67.	
	بیل	بیل	۷۷	C	68.	
	بیل	بیل	۷۸	D	69.	
	بیل	بیل	۷۹	E	70.	
	بیل	بیل	۸۰	F	71.	
	بیل	بیل	۸۱	G	72.	
	بیل	بیل	۸۲	A	73.	
	بیل	بیل	۸۳	B	74.	
	بیل	بیل	۸۴	C	75.	
	بیل	بیل	۸۵	D	76.	
	بیل	بیل	۸۶	E	77.	
	بیل	بیل	۸۷	F	78.	
	بیل	بیل	۸۸	G	79.	
	بیل	بیل	۸۹	A	80.	
	بیل	بیل	۹۰	B	81.	
	بیل	بیل	۹۱	C	82.	
	بیل	بیل	۹۲	D	83.	
	بیل	بیل	۹۳	E	84.	
	بیل	بیل	۹۴	F	85.	
	بیل	بیل	۹۵	G	86.	
	بیل	بیل	۹۶	A	87.	
	بیل	بیل	۹۷	B	88.	
	بیل	بیل	۹۸	C	89.	
	بیل	بیل	۹۹	D	90.	
	بیل	بیل	۱۰۰	E	91.	
	بیل	بیل	۱۰۱	F	92.	
	بیل	بیل	۱۰۲	G	93.	
	بیل	بیل	۱۰۳	A	94.	
	بیل	بیل	۱۰۴	B	95.	
	بیل	بیل	۱۰۵	C	96.	
	بیل	بیل	۱۰۶	D	97.	
	بیل	بیل	۱۰۷	E	98.	
	بیل	بیل	۱۰۸	F	99.	
	بیل	بیل	۱۰۹	G	100.	

JAHANDAR SHARI

اجداد نظر
اے

Ahamad
mugat.

اے زی جامنار
اے

اے

ایمکن ای ای ای
ای

در اطاق زاد

FABRUKHSTYAR

Akbar

ای ای ای
ای

III.—Mucosal Epitheliose—(Cont'd.)

Dinak

۷۴-۱۶۹

Dinak

۷۴-۱۶۹

Dinak

۴۹+

سبس

۷۴-۱۶۹

کار

۷۴-۱۶۹

کار

۷۴-۱۶۹

کار

۷۴-۱۶۹

Area No. ۳۰
Lan

۷۴-۱۶۹

کار

۷۴-۱۶۹

کار

۷۴-۱۶۹

کار

۷۴-۱۶۹

Gashik

۷۴-۱۶۹

Dinak

کار

۷۴-۱۶۹

کار

۷۴-۱۶۹

کار

۷۴-۱۶۹

III.—MUSICAL INSTRUMENTS—(Continued.)

Serial No. and Model	No. of Cables	Chinese	Russian	Arab.	Year and date (Hijr.)	Pointed	Locality where found.
40. 22.	2	三	†	ج	6	7	*
41. 22.	2	四	阿罕 No. 43.	جع	ستينيات	ستينيات	طهانين، ق. ب.
42. 22.	2	五	و	كعب	ستينيات	ستينيات	طهانين، ق. ب.
43. 22.	2	六	阿罕 No. 43.	كعب	ستينيات	ستينيات	طهانين، ق. ب.
44. 22.	2	七	كعب	كعب	ستينيات	ستينيات	طهانين، ق. ب.
45. 22.	2	八	كعب	كعب	ستينيات	ستينيات	طهانين، ق. ب.
46. 22.	2	九	كعب	كعب	ستينيات	ستينيات	طهانين، ق. ب.
47. 22.	2	十	كعب	كعب	ستينيات	ستينيات	طهانين، ق. ب.

1	جبل عالي	جبل عالي	جبل عالي	جبل عالي
2	جبل عالي	جبل عالي	جبل عالي	جبل عالي
3	جبل عالي	جبل عالي	جبل عالي	جبل عالي
4	جبل عالي	جبل عالي	جبل عالي	جبل عالي
5	جبل عالي	جبل عالي	جبل عالي	جبل عالي

III.—MUGHAL FAMOUS—(Continued)

Serial No. and Name of Caste	Observe	Prov.	Wife	Your and date of birth.	Damr.	Locality where found
41. 44.	RAGHUVARDHAK <i>(سرجع اور راگھو)</i>	Burd. उर्दू	Ahd-Urvi. اہد عری	Abd-Urvi. ابد عری	District, C. P. District, Mysore District, Mysore	
42. 45.	MUHAMMAD SHAH <i>(محمد شاہ)</i>	S. D. سیڈی	X X (A. H. 1050)	X X (A. H. 1050)	1050	

III.—MIGRAVE TEMPERATURES—(Contd.)

Serial No. and Metal.	Date, weather	Locality	Temp.	Wint.	Year and date (W.C.P.).	Degree.	Locality where found.	S.
1	2	3	4	5	6	7	8	9
30. Q.	date, weather	hot.	Ak ce No. 375. P.S.	hot.	Alashkard	45°-47°	Thesaur. of Nodar, Demir Hills, C. P.	+
31.	1155	"	"	"	"	"	"	-
32.	"	"	"	"	"	"	"	-
33.	"	"	"	"	"	"	"	-
34.	"	"	"	"	"	"	"	-
35.	"	"	"	"	"	"	"	-
36.	"	"	"	"	"	"	"	-
37.	"	"	"	"	"	"	"	-
38.	"	"	"	"	"	"	"	-
39.	"	"	"	"	"	"	"	-
40.	"	"	"	"	"	"	"	-
41.	"	"	"	"	"	"	"	-
42.	"	"	"	"	"	"	"	-
43.	"	"	"	"	"	"	"	-
44.	"	"	"	"	"	"	"	-
45.	"	"	"	"	"	"	"	-
46.	"	"	"	"	"	"	"	-
47.	"	"	"	"	"	"	"	-
48.	"	"	"	"	"	"	"	-
49.	"	"	"	"	"	"	"	-
50.	"	"	"	"	"	"	"	-
51.	"	"	"	"	"	"	"	-
52.	"	"	"	"	"	"	"	-
53.	"	"	"	"	"	"	"	-
54.	"	"	"	"	"	"	"	-
55.	"	"	"	"	"	"	"	-
56.	"	"	"	"	"	"	"	-
57.	"	"	"	"	"	"	"	-
58.	"	"	"	"	"	"	"	-
59.	"	"	"	"	"	"	"	-
60.	"	"	"	"	"	"	"	-
61.	"	"	"	"	"	"	"	-
62.	"	"	"	"	"	"	"	-
63.	"	"	"	"	"	"	"	-
64.	"	"	"	"	"	"	"	-
65.	"	"	"	"	"	"	"	-
66.	"	"	"	"	"	"	"	-
67.	"	"	"	"	"	"	"	-
68.	"	"	"	"	"	"	"	-
69.	"	"	"	"	"	"	"	-
70.	"	"	"	"	"	"	"	-
71.	"	"	"	"	"	"	"	-
72.	"	"	"	"	"	"	"	-
73.	"	"	"	"	"	"	"	-
74.	"	"	"	"	"	"	"	-
75.	"	"	"	"	"	"	"	-
76.	"	"	"	"	"	"	"	-
77.	"	"	"	"	"	"	"	-
78.	"	"	"	"	"	"	"	-
79.	"	"	"	"	"	"	"	-
80.	"	"	"	"	"	"	"	-
81.	"	"	"	"	"	"	"	-
82.	"	"	"	"	"	"	"	-
83.	"	"	"	"	"	"	"	-
84.	"	"	"	"	"	"	"	-
85.	"	"	"	"	"	"	"	-
86.	"	"	"	"	"	"	"	-
87.	"	"	"	"	"	"	"	-
88.	"	"	"	"	"	"	"	-
89.	"	"	"	"	"	"	"	-
90.	"	"	"	"	"	"	"	-
91.	"	"	"	"	"	"	"	-
92.	"	"	"	"	"	"	"	-
93.	"	"	"	"	"	"	"	-
94.	"	"	"	"	"	"	"	-
95.	"	"	"	"	"	"	"	-
96.	"	"	"	"	"	"	"	-
97.	"	"	"	"	"	"	"	-
98.	"	"	"	"	"	"	"	-
99.	"	"	"	"	"	"	"	-
100.	"	"	"	"	"	"	"	-
101.	"	"	"	"	"	"	"	-
102.	"	"	"	"	"	"	"	-
103.	"	"	"	"	"	"	"	-
104.	"	"	"	"	"	"	"	-
105.	"	"	"	"	"	"	"	-
106.	"	"	"	"	"	"	"	-
107.	"	"	"	"	"	"	"	-
108.	"	"	"	"	"	"	"	-
109.	"	"	"	"	"	"	"	-
110.	"	"	"	"	"	"	"	-
111.	"	"	"	"	"	"	"	-
112.	"	"	"	"	"	"	"	-
113.	"	"	"	"	"	"	"	-
114.	"	"	"	"	"	"	"	-
115.	"	"	"	"	"	"	"	-
116.	"	"	"	"	"	"	"	-
117.	"	"	"	"	"	"	"	-
118.	"	"	"	"	"	"	"	-
119.	"	"	"	"	"	"	"	-
120.	"	"	"	"	"	"	"	-
121.	"	"	"	"	"	"	"	-
122.	"	"	"	"	"	"	"	-
123.	"	"	"	"	"	"	"	-
124.	"	"	"	"	"	"	"	-
125.	"	"	"	"	"	"	"	-
126.	"	"	"	"	"	"	"	-
127.	"	"	"	"	"	"	"	-
128.	"	"	"	"	"	"	"	-
129.	"	"	"	"	"	"	"	-
130.	"	"	"	"	"	"	"	-
131.	"	"	"	"	"	"	"	-
132.	"	"	"	"	"	"	"	-
133.	"	"	"	"	"	"	"	-
134.	"	"	"	"	"	"	"	-
135.	"	"	"	"	"	"	"	-
136.	"	"	"	"	"	"	"	-
137.	"	"	"	"	"	"	"	-
138.	"	"	"	"	"	"	"	-
139.	"	"	"	"	"	"	"	-
140.	"	"	"	"	"	"	"	-
141.	"	"	"	"	"	"	"	-
142.	"	"	"	"	"	"	"	-
143.	"	"	"	"	"	"	"	-
144.	"	"	"	"	"	"	"	-
145.	"	"	"	"	"	"	"	-
146.	"	"	"	"	"	"	"	-
147.	"	"	"	"	"	"	"	-
148.	"	"	"	"	"	"	"	-
149.	"	"	"	"	"	"	"	-
150.	"	"	"	"	"	"	"	-
151.	"	"	"	"	"	"	"	-
152.	"	"	"	"	"	"	"	-
153.	"	"	"	"	"	"	"	-
154.	"	"	"	"	"	"	"	-
155.	"	"	"	"	"	"	"	-
156.	"	"	"	"	"	"	"	-
157.	"	"	"	"	"	"	"	-
158.	"	"	"	"	"	"	"	-
159.	"	"	"	"	"	"	"	-
160.	"	"	"	"	"	"	"	-
161.	"	"	"	"	"	"	"	-
162.	"	"	"	"	"	"	"	-
163.	"	"	"	"	"	"	"	-
164.	"	"	"	"	"	"	"	-
165.	"	"	"	"	"	"	"	-
166.	"	"	"	"	"	"	"	-
167.	"	"	"	"	"	"	"	-
168.	"	"	"	"	"	"	"	-
169.	"	"	"	"	"	"	"	-
170.	"	"	"	"	"	"	"	-
171.	"	"	"	"	"	"	"	-
172.	"	"	"	"	"	"	"	-
173.	"	"	"	"	"	"	"	-
174.	"	"	"	"	"	"	"	-
175.	"	"	"	"	"	"	"	-
176.	"	"	"	"	"	"	"	-
177.	"	"	"	"	"	"	"	-
178.	"	"	"	"	"	"	"	-
179.	"	"	"	"	"	"	"	-
180.	"	"	"	"	"	"	"	-
181.	"	"	"	"	"	"	"	-
182.	"	"	"	"	"	"	"	-
183.	"	"	"	"	"	"	"	-
184.	"	"	"	"	"	"	"	-
185.	"	"	"	"	"	"	"	-
186.	"	"	"	"	"	"	"	-
187.	"	"	"	"	"	"	"	-
188.	"	"	"	"	"	"	"	-
189.	"	"	"	"	"	"	"	-
190.	"	"	"	"	"	"	"	-
191.	"	"	"	"	"	"	"	-
192.	"	"	"	"	"	"	"	-
193.	"	"	"	"	"	"	"	-
194.	"	"	"	"	"	"	"	-
195.	"	"	"	"	"	"	"	-
196.	"	"	"	"	"	"	"	-
197.	"	"	"	"	"	"	"	-
198.	"	"	"	"	"	"	"	-
199.	"	"	"	"	"	"	"	-
200.	"	"	"	"	"	"	"	-
201.	"	"	"	"	"	"	"	-
202.	"	"	"	"	"	"	"	-
203.	"	"	"	"	"	"	"	-
204.	"	"	"	"	"	"	"	-
205.	"	"	"	"	"	"	"	-
206.	"	"	"	"	"	"	"	-
207.	"	"	"	"	"	"	"	-
208.	"	"	"	"	"	"	"	-
209.	"	"	"	"	"	"	"	-
210.	"	"	"	"	"	"	"	-
211.	"	"	"	"	"	"	"	-
212.	"	"	"	"	"	"	"	-
213.	"	"	"	"	"	"	"	-
214.	"	"	"	"	"	"	"	-
215.	"	"	"	"	"	"	"	-
216.	"	"	"	"	"	"	"	-
217.	"	"	"	"	"	"	"	-
218.	"	"	"	"	"	"	"	-
219.	"	"	"	"	"	"	"	-
220.	"	"	"	"	"	"	"	-
221.	"	"	"	"	"	"	"	-
222.	"	"	"	"	"	"	"	-
223.	"	"	"	"	"	"	"	-
224.	"	"	"	"	"	"	"	-
225.	"	"	"	"	"	"	"	-
226.	"	"	"	"	"	"	"	-
227.	"	"	"	"	"	"	"	-
228.	"	"	"	"	"	"	"	-
229.	"	"	"	"	"	"	"	-
230.	"	"	"	"	"	"	"	-
231.	"	"	"	"	"	"	"	-
232.	"	"	"	"	"	"	"	-
233.	"	"	"	"	"	"	"	-
234.	"	"	"	"	"	"	"	-
235.	"	"	"	"	"	"	"	-
236.	"	"	"	"	"	"	"	-
237.	"	"	"	"	"	"	"	-
238.	"	"	"	"	"	"	"	-
239.	"	"	"	"	"	"	"	-
240.	"	"	"	"	"	"	"	-
241.	"	"	"	"	"	"	"	-
242.	"	"	"	"	"	"	"	-
243.	"	"	"	"	"	"	"	-
244.	"	"	"	"	"	"	"	-
245.	"	"	"	"	"	"	"	-
246.	"	"	"	"	"	"	"	-
247.	"	"	"	"	"	"	"	-
248.	"	"	"	"	"	"	"	-
249.	"	"	"	"	"	"	"	-
250.	"	"	"	"	"	"	"	-
251.	"	"	"	"	"	"	"	-
252.	"	"	"	"	"	"	"	-
253.	"	"	"	"	"	"	"	-
254.	"	"	"					

III.—MORTAL EMPERORS.—(Contd.)

Serial No and Name of Cetina	Owner	Rever-	Year and date of Birth	Domi-	Locality where found				
1	2	3	4	5	6	7	8	9	10
67—88.	Mr.	As an No. 26. Inf. outstanding.	As an No. 26. Inf. outstanding.	1917 and 1918	Kash.	6— 1918, C. P.	January 20 1919.	Domini-	Domini-
68—9.	Mr.	"	"	1918, C. P.	"	"	"	Balikun,	"
69—10.	Mr.	"	"	Inf.	"	"	"	Domini-	"
70—11.	Mr.	"	"	Inf.	"	"	"	Domini-	"
71—12.	Mr.	"	"	Inf.	"	"	"	Domini-	"
72—13.	Mr.	"	"	Inf.	"	"	"	Domini-	"
73—14.	Mr.	"	"	Inf.	"	"	"	Domini-	"
74—15.	Mr.	"	"	Inf.	"	"	"	Domini-	"
75—16.	Mr.	"	"	Inf.	"	"	"	Domini-	"
76—17.	Mr.	"	"	Inf.	"	"	"	Domini-	"
77—18.	Mr.	"	"	Inf.	"	"	"	Domini-	"
78—19.	Mr.	"	"	Inf.	"	"	"	Domini-	"
79—20.	Mr.	"	"	Inf.	"	"	"	Domini-	"

III—MORAL, MORPHOLOGICAL, AND

Serial No. and Name of Com. etc.	Date of Recd.	Name of Person	Report	Min.	Year and date (M.D.C.)	Place	Locality where found	
							No.	S.
78. (B.)	"	As per No. 77.	Act No. 97.	Int.	1910-11-15 Int.-C. V.	Division of India- Int.-C. V.	4-4173	5
		1) P.M. 1910-11-15	P.					
79.	"		Act No. 97.	Int.	1910-11-15 Int.-C. V.	Division of India- Int.-C. V.	4-4174	7
		1) P.M.	"	Int.				
		"	"	Int.				
		"	"	Int.				
		1) P.M.	9	Int.				
	"	"	"	Int.				
80.	"	1) P.M. 1910-11-15	17	Int.	1910-11-15 Int.-C. V.	Division of India- Int.-C. V.	4-4175	7
		"	"	Int.				
		1) P.M.	18	Int.				
	"	"	"	Int.				
82.	"	1) P.M.	19	Int.	1910-11-15 Int.-C. V.	Division of India- Int.-C. V.	4-4176	7

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III.—MUSICAL EDUCATION—*Cantilena*

Year	Population	Area (sq km)	Density (per sq km)
1971	1000	1000	1.00
1972	1000	1000	1.00
1973	1000	1000	1.00
1974	1000	1000	1.00
1975	1000	1000	1.00
1976	1000	1000	1.00
1977	1000	1000	1.00
1978	1000	1000	1.00
1979	1000	1000	1.00
1980	1000	1000	1.00
1981	1000	1000	1.00
1982	1000	1000	1.00
1983	1000	1000	1.00
1984	1000	1000	1.00
1985	1000	1000	1.00
1986	1000	1000	1.00
1987	1000	1000	1.00
1988	1000	1000	1.00
1989	1000	1000	1.00
1990	1000	1000	1.00
1991	1000	1000	1.00
1992	1000	1000	1.00
1993	1000	1000	1.00
1994	1000	1000	1.00
1995	1000	1000	1.00
1996	1000	1000	1.00
1997	1000	1000	1.00
1998	1000	1000	1.00
1999	1000	1000	1.00
2000	1000	1000	1.00
2001	1000	1000	1.00
2002	1000	1000	1.00
2003	1000	1000	1.00
2004	1000	1000	1.00
2005	1000	1000	1.00
2006	1000	1000	1.00
2007	1000	1000	1.00
2008	1000	1000	1.00
2009	1000	1000	1.00
2010	1000	1000	1.00
2011	1000	1000	1.00
2012	1000	1000	1.00
2013	1000	1000	1.00
2014	1000	1000	1.00
2015	1000	1000	1.00
2016	1000	1000	1.00
2017	1000	1000	1.00
2018	1000	1000	1.00
2019	1000	1000	1.00
2020	1000	1000	1.00
2021	1000	1000	1.00
2022	1000	1000	1.00
2023	1000	1000	1.00
2024	1000	1000	1.00
2025	1000	1000	1.00
2026	1000	1000	1.00
2027	1000	1000	1.00
2028	1000	1000	1.00
2029	1000	1000	1.00
2030	1000	1000	1.00
2031	1000	1000	1.00
2032	1000	1000	1.00
2033	1000	1000	1.00
2034	1000	1000	1.00
2035	1000	1000	1.00
2036	1000	1000	1.00
2037	1000	1000	1.00
2038	1000	1000	1.00
2039	1000	1000	1.00
2040	1000	1000	1.00
2041	1000	1000	1.00
2042	1000	1000	1.00
2043	1000	1000	1.00
2044	1000	1000	1.00
2045	1000	1000	1.00
2046	1000	1000	1.00
2047	1000	1000	1.00
2048	1000	1000	1.00
2049	1000	1000	1.00
2050	1000	1000	1.00
2051	1000	1000	1.00
2052	1000	1000	1.00
2053	1000	1000	1.00
2054	1000	1000	1.00
2055	1000	1000	1.00
2056	1000	1000	1.00
2057	1000	1000	1.00
2058	1000	1000	1.00
2059	1000	1000	1.00
2060	1000	1000	1.00
2061	1000	1000	1.00
2062	1000	1000	1.00
2063	1000	1000	1.00
2064	1000	1000	1.00
2065	1000	1000	1.00
2066	1000	1000	1.00
2067	1000	1000	1.00
2068	1000	1000	1.00
2069	1000	1000	1.00
2070	1000	1000	1.00
2071	1000	1000	1.00
2072	1000	1000	1.00
2073	1000	1000	1.00
2074	1000	1000	1.00
2075	1000	1000	1.00
2076	1000	1000	1.00
2077	1000	1000	1.00
2078	1000	1000	1.00
2079	1000	1000	1.00
2080	1000	1000	1.00
2081	1000	1000	1.00
2082	1000	1000	1.00
2083	1000	1000	1.00
2084	1000	1000	1.00
2085	1000	1000	1.00
2086	1000	1000	1.00
2087	1000	1000	1.00
2088	1000	1000	1.00
2089	1000	1000	1.00
2090	1000	1000	1.00
2091	1000	1000	1.00
2092	1000	1000	1.00
2093	1000	1000	1.00
2094	1000	1000	1.00
2095	1000	1000	1.00
2096	1000	1000	1.00
2097	1000	1000	1.00
2098	1000	1000	1.00
2099	1000	1000	1.00
2100	1000	1000	1.00

AKHAKH—11.

مکتبہ
حاجی فراز

DRAFT

卷之三

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$\delta\theta = 122^\circ$
 $\phi_{\text{left}} = 113^\circ$
 $\phi_{\text{right}} = 122^\circ$
53 —————
 $S^2 = 122^\circ$

DRAFT

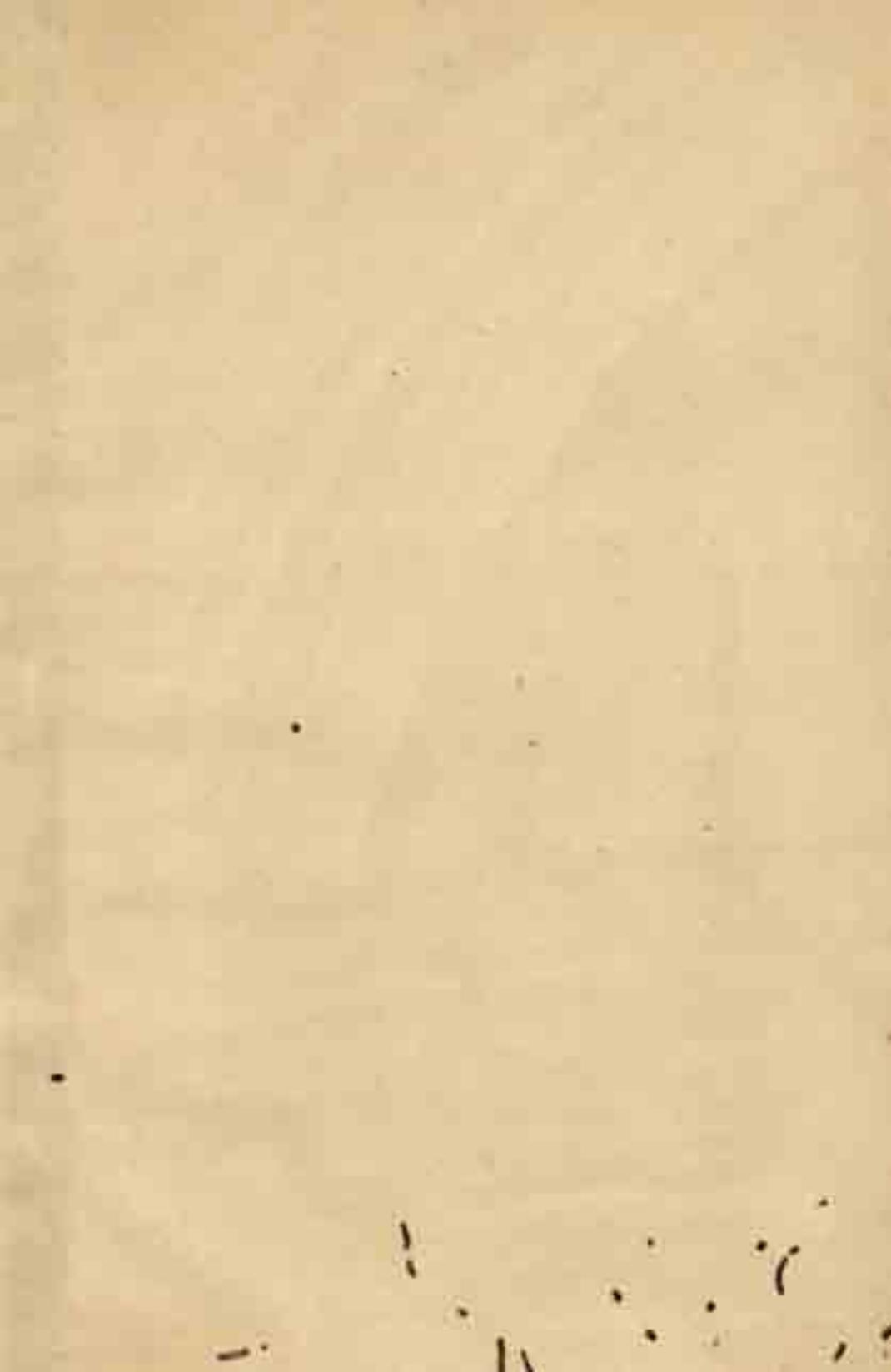
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