FAUNA ANTIQUA SIVALENSIS,

BEING THE

FOSSIL ZOOLOGY OF THE SEWALIK HILLS,

IN THE NORTH OF INDIA.

BY

HUGH FALCONER, M.D., F.R.S., F.L.S., F.G.S.

AND

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CAPTAIN IN THE BENGAL ARTILLERY, MEMBER OF THE ASIATIC SOCIETY OF BENGAL, ETC.

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ILLUSTRATIONS.—PART I.

PROBOSCIDEA.

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<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>7a</td>
<td>ELEPHAS CANESTA</td>
<td>Upper molar</td>
</tr>
<tr>
<td>7b</td>
<td>MASTODON LATIGENS</td>
<td>Lower molar</td>
</tr>
<tr>
<td>9</td>
<td>M. DIOTICUS</td>
<td>Upper c'</td>
</tr>
<tr>
<td>10a</td>
<td>SIVALENSIS</td>
<td>Upper molar, 10 b, Lower d'</td>
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<tr>
<td>11</td>
<td>DINOTHERIUM INDICUM</td>
<td>Lower c'</td>
</tr>
<tr>
<td>12</td>
<td>DINOTHERIUM GIGANTEUM</td>
<td>Male Size</td>
</tr>
</tbody>
</table>

Figs. 7b, 9, 10. at Nat. Size. Figs. 6 & 8 at the Nat. Size.
ELEPHAS HYSUDRICUS

2 inches to a foot
or nearly 1 Nat. size.
ELEPHAS MYODRACUS
11 inch to a foot.
(Min. Life.)
Fig. 6

Hullmai & Walton

Elops.

2.3.

ELEPHAS HYSDRIFICUS

Egs: 5.

Nat: Size.


Nat: Size.
Plate 7.

ELEPHAS MYODONICUS Illus. Size.
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ELEPHAS HYSUDRICUS.

Fig. 14 Nat. Size, Fig. 51 Nat. Size.
ELEPHAS PLANIFRONS.

By Mr. Stow.
ELEPHAS PLANIFRONS.
Figs. 1, 2, 3. Nat. Size 4:1. Nat. Size
Plate 13

Fig. 1  E. PRIMIGENIUS.

Fig. 2  E. INDOMIC.

Fig. 3  E. PRIMIGENIUS.

Fig. 4  E. MERIDIONALIS.

Fig. 5  E. AFRICANUS.

Fig. 6  E. MERIDIONALIS.

The figs 4 the Nat. Size
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Figs. 1–2 ELEPHAS MERIDIONALIS.
6, 7 E. PRISCUS ?
4, 5 E. AFRICANUS.
8, 9 E. PLANIFRONS.
10 E. HYSUDRICUS. (Nat. Size.)
BLANK PAGE
ELEPHAS INSIGNIS.
Nat. Size.
Fig. 1. 2. 3. 4. 6. ELEPHAS INSIGNIS.
7. E______ PLANIFRONS.
The figures (excepting Figs 3 & 7) in Nat. Size.
ELEPHAS CANESA.
Scale 2 1/2 inches to a foot or nearly 1/3 the Nat. Size.
ELEPHAS CANESA.
Fig 1 & 2 One-fifth Nat. Size, Fig 3 One-thousandth.
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Fig 1. (3rd Nat. Size) ELEPHAS NAMADICUS.
Fig 4. (4th Nat. Size) E. HYSUDRICUS.
BLANK PAGE
Plate 12 D.

Fig. 1. ELEPHAS NAMADICUS.
Fig. 1a. E. ERIDION ALIS.

Figs 1-3. Nat. Size.
ELEPHAS MERIDIONALIS.
Figs. 1 the Nat. Size.
Plate 14 B

Figs 1-9. ELEPHAS MERIDIONALIS.

10, 17, 18. ANTIQUUS (?)

Figs ± the Nat. Size.
Figs 1, 2 ELEPHAS PLANIFRONS.
3, 5 E. INSIGNIS.
6, 6a. MASTODON SIVALENSIS.
Plate 24 A

Fig. 1. ELEPHAS CANESA
2-3 E. INSIGNIS
4 E. NAMADICUS.
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Fig. 1. *ELEPHAS CANESIA.*
2, 3 = *BOMBIFRONS.*
4, 4a = *INSIGNIS.*
ELEPHAS BOMBIFRONS.
Nat. Size.
ELEPHAS BOMBIFRONIS.
4 the Nat. Size.
ELEPHAS BOMBIFRONS.
ELEPHAS BOMBIFRONS.

Fig. 1: Nat. SIZE.
MASTODON SIVALENSIS.
Figs 1 inch to a foot (nearly) the Nat. Size.
FAUNA ANTQUA SIVALENSIS,

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PRODOSCIDEA.

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MASTODON SIVALensis

Fig. 1. Skull, size.

Fig. 2. Lower jaw, size.

Fig. 3. Upper jaw, size.

Fig. 4. Molar, size.

Fig. 5. Premolar, size.

Fig. 6. Incisor, size.

Fig. 7. Canine, size.

Fig. 8. Lower molar, size.

Fig. 9. Upper molar, size.
Plate 35.

Figs 1, 1a. MASTODON SIVALENSIS.

Figs 6, 6a. DINOTHERIUM INDICUM.
MASTODON PERIMENSIS.

Nat. Size.
PROBOSCIDEA.
Figs 1 to the Nat. Size.
PROBOSCIDEA.

I. DINOThERIUM GIcANTEUM.

II. DINOth. INDICUM.

III. MTAPIroidEs.

IV. MASTODON OHioticus.

V. M. ANGUSTIDENS.

VI. M. ANDium.

I. DINOtherium Giganteum.

XXII. E. NAIVATICUS.

XXIII. E. INDICUS. (DAUNTELA var.)

XXIII. E. INDICUS. (MUKNA var.)

Fig 1. 2. DINOThERIUM

3. II MASTODON

7. II TRilOPHODON

12. ELEPHAS

19. STECODON

19. E. PLANIFRONS.

XXIII. E. INDICUS. (MUKNA var.)
Fig. 1—The Nat. Size.
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PROBOSCIDEA.

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PROBOSCIDEA.
Figs 1 Nat. Size.
PROBOSCIDEA.
Anterior Extremity
Figs 1, 2 ELEPHAS NAMADICUS.
Figs 8 the Nat. Size
PROBOSCIDEA.
Anterior Extremity.
Equal Nat Size.
PROBOSCIDEA.
Posterior Extremity
Figs. 3 Nat. Size.
Fig1. ELEPHAS NAMADICUS.
Fig. II. E. INSIONIS.
Fig. 13. E.
Fig. 14. E.
Fig. 15. E.
Fig. 16. E.
Fig. 17. E.
Fig. 18. E.
Fig. 19. E.
Fig. 20. E.
From the Valley of the Nerbudda River.
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PROBY T. CAUTLEY, F.R.S. F.L.S. F.G.S.,

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HIPPOPOTAMIDÆ.

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Figs 1-9. *Hippopotamus* (Tetraprotod) PALÆINDICUS.
10. 11 H. HEXAPROTOD. *Iracticus.*
12 H. HEXAPROTOD. *Namadicus.*
HIPPOPOTAMUS [HEXAPROTOD] SIVALENSIS.
Figs 1 the Nat. Size.
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HIPPopotamus [HEXAPROTOD] SIVALENSIS.

Figs 2 to the Nat Size.
HIPPOPOTAMUS | HEXITAPRODO | SIVALENSIS.
Posterior Extremity.
Figs 1 the Nat. Size.
MERYCOPOTAMUS DISSIMILIS.

Figs. 1 & 4 var. major.

Figs. 5, 7 var. minor.

Figs. (excepting Fig. 6) at the Nat. Size.
Plate 68

Fig: 2d

Hipp. (Hexaprotod.) Sivalensis

Fig: 22d.

Anthracotherium Silistrense

Hipp. (Hexaprotod.) Sivalensis

Fig: 17d

Anthracotherium Silistrense

Fig: 18

Anthracotherium Velanum

Figs 1-18. MERYCOPOTAMUS DISSIMILIS.

Fig: 1-21.5 the Nat. Size

22-24 the Nat. Size.
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SUIDAE AND RHINOCEROTIDE.

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Fig 1-4. SUS GIGANTEUS.

SUS SCROFA (var. INDICUS).
Fig. 1 SUS HIPPOHYUS SIVALENSIS.
Fig. 2 3 SUS HYSDRICUS.
Fig. 4 8 SUS... GIGANTEUS.
Fig 14  SUS (HIPPOHYUS) SIVALENSIS.
5b  SUS (HYSUDRICUS.
12d  S....GICANTEUS.
RHINOCEROS PLATYRHINUS.

Figs. (excepting 6 & 7) in the Nat. Stat.
Fig 1-4. RHINOCEROS PALEINDICUS.
5-6. R. SIVALENSIS.
7. R. SONDAICUS (recent).
9-12. R. PLATYRHINUS.
13-16. R. (ACEROATHER:?) PERIMENSIS.
All Nat. Size.
From the Valley of the Nerbudda.

Figs 19-20b. From the Netee Pals Front Beloochistan.

Diverse Indian Fossil Species.

Figs excepting Fig 9A the Nat. Size.

RHINOCEROS PERIMENSIS.
Rhinoceros.
Divers Fossil Indian Species
Anterior Extremity
Fig. 1 Nat. Size
RHINOCEROS.
Divers Indian Fossil Species.
Posterior Extremity.
Fig. 1. Nat. Size.
Rhinoceros.

Divers Fossil Indian Species

Figs 1-14: Anterior Extremity
Figs 15-20: Posterior Extremity

Figs 1-3: Ante.
CHALICOTHERIUM SIVALENSE.

Figs. Nat. Size.
FAUNA ANTIQUA SIVALENSIS.

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ILLUSTRATIONS.—PART IX.

**EQUIDAE.**

**RUMINANTIA.**

**CAMELIDÆ, SIVATHERIUM.**

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Figs 1-4 EQUUS SIVALENSIS.
5-7 E. NAMADICUS.
Figs 8 Nat. Size.
Figs. 1-4 EQUUS Sivalensis.

8-12 E. (= HIPPOH: ANTELOPINUM.

13. 14 EQUUS From the Nerbadda.

15-19 EQUUS From the Nellore Fossils.

Figs. 1-19 Anterior; 20, 21 Posterior Extremity.

Figs. 1 Nat. Size.
Figs. 1-8. *EQUUS SIVALENSIS*.
3.18 E. *HIPPOTHERIUM ANTELOPINUM*
Figs. 1 Nat. Size.
Hate

Fig: U-a.

CAMELUS SIVALENSIS.

Figs. (excepting Fig. 4) are Nat. Size.
CAMELUS SIVALENSIS.
CAMELUS SIVALensis.
Figs. 1 Nat. Size.
CAMELUS SIVALENSIS.
Figs at Nat. Size.
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CAMELUS SIVALENSIS.
Figs. 7 Nat. Size.
SIVATHERIUM CIGANTEUM.
1 Nat. Size.
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THE FOSSIL ZOOLOGY OF THE SEWALK HILLS, IN THE NORTH OF INDIA.

By H. G. FARRANT, M.D., F.R.S., F.L.S., F.G.S., Member of the Asiatic Society of Bengal, and of the Royal Asiatic Society of the Bengal Medical Service, and late Superintendent of the H. R. C. Zoological Garden at Calcutta; and Professor T. C. Allibone, F.G.S., Major in the Bengal Artillery, Member of the Asiatic Society of Bengal, and of the Royal Asiatic Society. 2 vols. Edited by H. G. Farrant.

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