

# HORN MEASUREMENTS <br> AND WEIGHTS <br> of the 

great game of the world.

20世＋

## HORN MEASUREMENTS

AND WEIGHTS,

## Great Game of the World:

BEING
A RECORD FOR THE USE OF SPORTSMEN AND NATURALISTS.

> ROW LAND WA ND, F.Z.S.,


## London:

AT "THE JUNGLE," 166 , PICCADILLY.
AND OF ALL BOOKSELLERS.

# THIS BOOK IS DEDICATED 

TO THE
SPORTSMEN OF THE WORLD, WITHOUT WHOSE DETERMINED PLUCK AND LOVE OF TRAVEL IT COULD NOT HAVE BEEN PRODUCED, NOR COULD I HAVE SPENT

A LIFE-TIME IN THE ART WHICH I HAVE

TRIED TO ADVANCE.
ROWLAND WARD.

## PREFACE.

MY object in producing this book is to start a record of Horn Measurements of the Great Game of the World. I only regret that I did not commence it at an earlier date, as it would then have been more complete. But in my earlier life I had but little help, and often worked thirty hours at a stretch; my work necessitated attention to specimens that demanded immediate treatment, and my love for reproducing life-like studies prevented me from keeping records.

The measurements presented here have been taken recently by one hand and, for that reason, I value them the more. The dimensions from acknowledged authorities I am not responsible for. This book is not designed to be in any way a scientific work, but it is prepared for gentlemen sportsmen and scientific men who are interested to see comparable measurements at a glance. I think these have not been produced in like form before. Of course, the record can be added to, and I shall feel indebted to sportsmen who will contribute measurements, for I am not
producing this work in a completed form-it must grow. It is to be borne in mind that many trophies which have passed through my hands are now scattered all over the world, and the dimensions of them, for the time, are not recorded here. Some that I give now are fine measurements, some are only ordinary statistics, many are of new species altogether; these last being mainly a result of the quite recent opening up of Africa. The advice noted as to the way to measure must be dealt with strictly, for many persons measuring by different methods produce untrustworthy record. We have tried to be fair in producing the statistics, taking them rather under than over the mark; and the tape has not been pressed into corrugations, but carried outside, over all inequalities.

Many gentlemen's trophies I should like to have measured, but those specimens have either changed hands or are now in some remote part of the world, and the book cannot be delayed longer; but distance has not prevented me from obtaining many important statistics.
R. W.

## ABBREVIATIONS AND SIGNS.

© Malc. \& Female. ... ... ... Unrecorded.

Length is expressed in inches, where not otherwise noted.
Measurements are on the outside of horn from tip to base. Circumference is at the base ; with Deer above first tine.

Memo.-Horns that possess a core have a tendency to shrink.
Weights taken on the field should be accepted as approximate.
P.Z.S., Proceedings of the Zoological Society.

ERRATA.


## HORN MEASUREMENTS

AND WEIGHTS

OF THE

## Great Game of the World.



HIPPOPOTAMUS TUSKS (Hippopotamus amphibius).
Habitat-Africa.

| Length round outside curve. | Circumference. | Across inside. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 315 | $9 \frac{1}{8}$ | $\cdots$ |  | $\ldots$ | Sir Edmund G. Loder, Bart. |
| $30 \frac{1}{2}$ | $\left.9{ }^{\frac{1}{8}}\right\} *$ | ... | St. Lucia Bay | ... | Hon. Charles Ellis, IS70. |
| 30 | 9 9 | $\ldots$ | Do. | ... | Do. |
| 29 | $9^{\frac{1}{2}}$ | 14 |  | ... | Rowland Ward's Collection. |
| $27 \frac{1}{8}$ | 8 | ... | South Africa | ... | The late J. S. Jameson. |
| $27 \frac{1}{8}$ | $\cdots$ | ... | $\ldots$.... | $\ldots$ | W. D. James. |
| 27 | 8 | $\cdots$ | East Africa | ... | E. Gedge. |
| $26 \frac{1}{3}$ | $7 \frac{1}{3}$ | $12 \frac{1}{2}$ | $\cdots$.... | ... | G. Portal. |
| $25 \frac{1}{8}$ | $7 \frac{1}{2}$ | $\cdots$ | South Africa | ... | The Late J. S. Jameson. |
| 25 | $7 \frac{1}{4}$ | $12 \frac{1}{3}$ | ... ... | ... | G. Portal. |
| $24^{\frac{1}{4}}$ | 7 | $12 \frac{1}{4}$ | ... ... | ... | Do. |
| 23 ${ }^{1}$ | 7 | $12 \frac{1}{2}$ | For $\because \sim$ | ... | Do. Fiv M |
| $19 \frac{7}{8}$ | ... | ... | East Africa | ... | Sir John Kirk, M. D., K. C. B. |

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## WILD BOAR TUSKS.

Habitat-Europe, Asia Minor, and North Africa.

| Length outside curve. | Circumference. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: |
| 10 | ... | India ... | Sir Samuel Baker, F.R.S., "Wild Beasts and their Ways." |
| $9{ }^{\frac{1}{4}}$ | ... | Central Provinces. | J. Moray Brown. |
| 81 | $2 \frac{1}{3}$ | Iudia ... | Rowland Ward's Collection. |
| $\mathcal{E}_{8}^{1}$ | $2 \frac{1}{21}$ | Do. ... | Do. |
| $\mathrm{S}_{5}$ | $2 \frac{1}{4}$ | Do. | F. C. Quicke. |
| S | $2 \frac{1}{4}$ | Do. .. | P. A. Bainbridge. |
| 8 | $2{ }^{\frac{1}{4}}$ | Do. . | F. C. Quicke. |
| $7 \frac{1}{2}$ | $2{ }^{\frac{1}{4}}$ | Do. ... | P. A. Bainbridge. |
| $7^{\frac{1}{8}}$ | $2 \frac{3}{8}$ | Do. ... | F. C. Quicke. |



Habitat-British India, Burmah, Malay Peninsula, Java, Sumatra, Borneo, \&c.

| I ength. | Circumference. | Tip to Tip. | Halitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| *61 ${ }^{1}$ | $2 \frac{5}{8}$ | $3{ }^{\frac{1}{2}}$ | ... | ... | B. H. Hodgson, Britishin Museum. |
| $6 \frac{1}{2}$ | 3 | $3{ }^{\frac{3}{8}}$ | ... ... | ... | A. O. Hume, Private Collection. |
| * 5 \% | $2{ }^{3}$ | $3^{\frac{1}{4}}$ | ... ... | $\ldots$ | B. H. Hodgson, British Muscum. |
| $5{ }^{\frac{3}{8}}$ | $2 \frac{1}{4}$ | $3 \frac{1}{8}$ | ... ... | $\ldots$ | Lume Collection, British Museum. |
| 51 | 2 | $3 \frac{1}{8}$ | , S. India | ... | Sir Victor Brooke's Collection. (Shot by Col. Douglas IIamilton.) |
| 5 | 17 | 2 | Do. | $\ldots$ | Do. |
| $4^{\frac{7}{8}}$ | $2 \frac{1}{4}$ | $3^{\frac{3}{8}}$ | Do. | ... | Do. |
| $4 \frac{3}{4}$ | $1 \frac{1}{2}$ | $1{ }^{\frac{5}{8}}$ | ... ... | ... | Hume Collection, British Museum. |
| $3^{\frac{7}{8}}$ | $2 \frac{3}{5}$ | $3{ }^{\frac{5}{8}}$ | .. ... | ... | Do. |
| *3 ${ }^{\frac{1}{4}}$ | $1{ }^{\frac{3}{8}}$ | $2{ }_{6}$ | ... ... | ... | B. H. Hodgson, British Museum. |
| $\dagger 2 \frac{1}{2}$ | 18 | 3 | Ningpo ... | ... | R. Swinhoe, British Museum. |
| $\ddagger+1$ | ... | 412 | Do. | ... | A. Mitchie, British Muscum. |
|  | untiocus | nalis. | + Ce:vulus | lateit | $\ddagger$ Cervulus crinifrons. |



SAIMBUR (Cervus aristotelis).
Wcight-600 lbs. (about) ; I3 $\frac{1}{2}$ hands at shoulder.-Sir Samuel Baker, "Wild Beasts and their Ways."
Habitat-India, Burmah, and China.


## SAIMBUR (Cervus aristotelis)-continucd.

| Length round outside. |  | Tip to Tip. | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4I $\{$ | $\begin{aligned} & 8 \frac{1}{2} \mathrm{ab} \\ & 10 \frac{1}{2} \\ & \mathrm{ra} \end{aligned}$ | $\text { oove burr }\} \text { palı }$ | mated | $3 \times 3$ | North Gujerat | $\left\{\begin{array}{c} \text { S. C. Lex. } \\ \text { IS69. }) \end{array}\right. \text { (The Ficld, Oct. 23, }$ |
| $40 \frac{1}{2}$ | $5 \frac{5}{8}$ | 33 | $37^{\frac{1}{4}}$ | $3 \times 3$ | ... ... ... | Hume Collection, British Museum. |
| $40 \frac{1}{4}$ | $6 \frac{1}{4}$ | $28 \frac{1}{8}$ | 32 | $3 \times 3$ | Neilgherries ... | Sir Victor Brooke's Collection. (Shot by Col. Doug. Hamilton.) |
| 40 | 7 | $11 \frac{1}{2}$ | $24^{\frac{1}{4}}$ | $3 \times 3$ | ... $\quad .$. | Rowland Ward's Collection. |
| 40 | 57 ${ }^{7}$ | $32 \frac{1}{4}$ | 36 | $3 \times 3$ | Ghâuts of Simrol. | Col. J. Evans, British Museum. |
| 39 年 | $6 \frac{3}{8}$ | (single horn) | ... | 3 | $\ldots$.... ... | British Museum. |
| $39^{\frac{1}{4}}$ | 712 | 201 | $26 \frac{3}{4}$ | $3 \times 4$ | $\cdots$.... $\ldots$ | Hume Collection, British Museum. |
| $39 \frac{1}{4}$ | 6 | $16 \frac{1}{2}$ | $2 \mathrm{O}^{\frac{1}{2}}$ | $2 \times 2$ | $\cdots \quad$... | H.R.H. Duke of Edinburgh. |
| 39 | $7 \frac{1}{2}$ | 24 | ... | $4 \times 4$ | . | Capt. Henry Streatfield. |
| 387 | $6 \frac{7}{8}$ | (single horn) | ... | ... | $\cdots$... - | British Museum. |
| $38 \frac{3}{4}$ | $6 \frac{3}{4}$ | 24 | $29 \frac{1}{2}$ | $3 \times 3$ | $\ldots$ | Major-Gen. Arthur Ellis, C.S.I. |
| $38 \frac{5}{8}$ | 6 | 22 $\frac{1}{2}$ | $30 \frac{1}{4}$ | $3 \times 3$ | $\cdots$... | F. J. Horniman. |
| $38 \frac{1}{2}$ | $6 \frac{3}{4}$ | $23 \frac{1}{4}$ | $28 \frac{7}{8}$ | $3 \times 3$ | $\cdots$... | Sir Robert Harvey, Bart. |
| $38 \frac{1}{2}$ | $5^{\frac{1}{4}}$ | 55 | $\cdots$ | $3 \times 3$ | - | Major-Gen. Arthur Ellis, C.S.I. |
| $38 \frac{1}{8}$ | $6 \frac{7}{8}$ | $30 \frac{1}{8}$ | 35 | $3 \times 3$ | Neilgherries... | Sir Victor Brocke's Collection. (Shot by Col. Dong. Hamilton.) |
| $3^{8}$ | $6 \frac{1}{2}$ | $29 \frac{3}{4}$ | $41 \frac{3}{8}$ | $3 \times 3$ | Moharli Forest, Chanda District, Cent. Provinces. | Sir John Morris, K.C.S.I. |
| $37 \frac{7}{8}$ | 6 | 23 | $31 \frac{1}{2}$ | $3 \times 4$ | Cen. Provinces. | Sir Robert Harvey, Bart. |
| $37^{\frac{3}{4}}$ | $5{ }^{7}$ | 14 | $21 \frac{1}{4}$ | $3 \times 3$ | Nepal... ... | B. H. Hodgson, British Museum. |
| $37 \frac{1}{2}$ | $6 \frac{3}{4}$ | $21 \frac{3}{8}$ | $25 \frac{3}{8}$ | $4 \times 3$ | Cent. Provinces | Major C. S. Cumberland. |
| $37 \frac{1}{2}$ | $5^{\frac{3}{4}}$ | $20 \frac{3}{4}$ | $28 \frac{1}{4}$ | $3 \times 3$ | $\cdots$.... ... | H. R. H. Duke of Edinburgh. |
| $37 \frac{3}{8}$ | $6 \frac{3}{4}$ | $28 \frac{1}{8}$ | 31 | $3 \times 3$ | Neilgherries... | Sir Victor Brooke's Collection. (Shot by Col. Doug. Hamilton.) |
| $37 . \frac{1}{4}$ | $5 \frac{3}{8}$ | 195 ${ }^{\frac{5}{6}}$ | $30 \frac{3}{4}$ | $3 \times 3$ | $\cdots$... | Major Cumberland. |
| 37 | $7 \frac{1}{2} \times 5 \frac{3}{4}$ | 16 | $\cdots$ | $3 \times 3$ | $\cdots$... $\quad$. | Surg.-Major Briggs. |
| 37 | $6 \frac{1}{8}$ | $27 \frac{1}{8}$ | $28 \frac{3}{1}$ | $3 \times 3$ | .. ... | II. C. V. Hunter. |
| $36 \pm$ | 58 ${ }^{\frac{7}{8}}$ | $19 \frac{7}{8}$ | 2418 | $3 \times 3$ | Cent. Provinces | Major C. S. Cumberland. |
| $35 \frac{5}{6}$ | $6 \frac{1}{4}$ | $19^{\frac{3}{4}}$ | $24 \frac{1}{2}$ | $3 \times 3$ | ... ... ... | H. R. II. Duke of Edinburgh. |

SAIMBUR (Cervus aristotelis)-continucd.

| $\begin{gathered} \text { Length } \\ \text { round } \\ \text { outside. } \end{gathered}$ |  | Tip to Tip. | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 355 | 5 | $22 \frac{1}{4}$ | $28 \frac{1}{2}$ | $3 \times 3$ | Nepal... ... | B. H. Hodgson, British Museum. |
| $35 \frac{1}{2}$ | 6 | $11{ }^{\frac{3}{4}}$ | ... | $3 \times 3$ | ... ... ... | Capt. Goulburn, R.A. |
| 353 | 57 ${ }^{\frac{7}{8}}$ | $21 \frac{3}{4}$ | $25 \frac{7}{8}$ | $3 \times 3$ | ... ... ... | J. Carr Saunders. |
| $35 \frac{3}{8}$ | 52 | $23 \frac{1}{8}$ | $28 \frac{1}{3}$ | $3 \times 3$ | Nepal... | B. H. Hodgson, British Museum. |
| $35^{\frac{1}{4}}$ | 73 | 20 | 26 | $3 \times 3$ | Bhotan | Sir Victor Brooke's Collection, 1869. |
| $35^{\frac{1}{ \pm}}$ | $5^{\frac{1}{2}}$ | $30 \frac{3}{}$ | $32 \frac{1}{4}$ | $4 \times 3$ | Nepal... | B. H. Hodgson, British Museum. |
| $35 \frac{1}{8}$ | $6 \frac{1}{8}$ | $23 \frac{1}{2}$ | 253 | $3 \times 3$ | India ... | British Museum. |
| 35 | $5 \frac{5}{6}$ | $22 \frac{1}{2}$ | 267 | $3 \times 3$ | Nepal... | B. H. Hodgson, British Museum. |
| 35 | $5 \frac{3}{8}$ | $17 \frac{1}{8}$ | $25^{\frac{1}{2}}$ | $3 \times 3$ | ... ... ... | Sir Robert Harvey, Bart. |
| 343 | $5 \frac{3}{8}$ | 33 | $33^{\frac{1}{2}}$ | $2 \times$ | .. ... ... | British Museum. |
| $34^{\frac{1}{4}}$ | $6 \frac{1}{2}$ | $20 \frac{3}{1}$ | 248 | $3 \times 3$ | Neilgherries ... | Sir Victor Brooke's Collection. (Shot by Col. Doug. Hamilton.) |
| 37 | $4^{7}$ | 30 | $32 \frac{1}{4}$ | $3 \times 3$ | ... ... ... | J. Carr Saunders. |
| 37 | $4 \frac{7}{8}$ | (single horn) | $\ldots$ | 3 | Nepal... ... | B. H. IIodgson, British Museum. |
| $33{ }^{7}$ | $5 \frac{1}{4}$ | $27 \frac{1}{8}$ | 301 | $3 \times 3$ | ... ... ... | II. C. V. Hunter. |
| $33{ }^{3}$ | $5 \frac{1}{8}$ | $15{ }^{3}$ | ... | $3 \times 3$ | Java ... | Capt. Townley Parker. |
| $33 \frac{1}{2}$ | 5 | 16 | 18. | $3 \times 3$ | Nepal... ... | B. II. Hodgson, British Museum. |
| $33 \frac{1}{2}$ | 58 | 251 | $\ldots$ | $3 \times 6$ | ... ... ... | II.R.II. Duke of Edinburgh. |
| 33 | 5\% | 25 | ... | $3 \times 3$ | ... ... ... | Rowland Ward's Collection. |
| 327 | $5 \frac{1}{8}$ | $20_{2}^{2}$ | 245 | $3 \times 3$ | ... ... ... | British Museum. |
| $32 \frac{1}{2}$ | 7 ! | $35 \frac{1}{2}$ | $\cdots$ | $7 \times 6$ | ... ... ... | Hume Collection, Brilish Museum. |
| $32{ }^{\frac{1}{2}}$ | $4{ }^{\text {a }}$ | 258 | $\ldots$ | $3 \times 3$ | ... ... ... | H.R.H. Duke of Edinburgh. |
| 328 | $6 \frac{1}{8}$ | $3)$ | 315 | $3 \times 3$ | Cent. Provinces | Major C. S. Cumberland. |
| $32 \frac{1}{4}$ | 51 | $20 \frac{1}{4}$ | $18{ }^{3}$ | $3 \times 3$ | Nepal... ... | B. H. Hodgson, Brilish Museum. |
| $32 \frac{1}{4}$ | $5{ }^{1}$ | 251 | $29 \frac{1}{8}$ | $2 \times 2$ | India ... | Do. |
| 32 | $5{ }^{\frac{1}{2}}$ | 25 | $25^{3}$ | $3 \times 3$ | ... ... ... | British Museum. |
| 32 | $5 \frac{1}{8}$ | $20 \frac{3}{4}$ |  | $3 \times 3$ | ... ... ... | II. R.II. Duke of Edinburgh. |
| 32 | 5. | $20 \%$ | 25 | $3 \times 4$ | Neilgherries ... | St. Gcorge Littledale, 1875. |

SAMBUR（Cervus aristotelis）－continued．

| $\begin{gathered} \text { Length } \\ \text { round } \\ \text { outside. } \end{gathered}$ |  | Tip to Tip． | $\begin{gathered} \text { Widest } \\ \text { inside. } \end{gathered}$ | Points． | Habitat， | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 315 | 53 ${ }^{\frac{3}{8}}$ | 213 | 25 | $3 \times 3$ | Nepal．．． | B．H．Hodgson，British Museum． |
| $31 \frac{1}{2}$ | $5 \frac{3}{8}$ | $17 \frac{1}{4}$ | 24 | $3 \times 3$ | ．．．．．．．．． | Martyn Kennard． |
| $3{ }^{1 \frac{1}{2}}$ | $5{ }^{\frac{3}{8}}$ | （one horn bi | roken） | $1 \times 3$ | Nepal．．． | B．H．Hodgson，British Museum． |
| $3^{1 \frac{1}{2}}$ | $5{ }^{\frac{1}{4}}$ | $20 \frac{3}{3}$ | $27^{\frac{1}{4}}$ | $3 \times 3$ | Deccan | Col．J．Sykes，British Museum． |
| $3^{1 \frac{3}{8}}$ | $6 \frac{5}{8}$ | 314 | $32 \frac{1}{2}$ | $3 \times 3$ | Do． | Do． |
| 315 | $6 \frac{1}{2}$ | 151 ${ }^{\frac{1}{2}}$ | 19 | $3 \times 4$ | Nepal．．． | B．H．Hodgson，British Museum． |
| $3{ }^{1 \frac{1}{4}}$ | 412 | $22 \frac{3}{4}$ | ．．． | $3 \times 3$ | India ．．． | H．R．H．Duke of Edinburgh． |
| 31 | $5^{\frac{3}{4}}$ | （single horn） | ．．． | 3 | Do．．．． | H．R．H．le Duc d＇Orleans． |
| 3 I | 54 | 10 | ${ }^{1} 7 \frac{1}{4}$ | $4 \times 3$ | Nepal．．． | B．H．Hodgson，British Museum． |
| $30 \frac{3}{}$ | 5 | 115 | 19 | $3 \times 3$ | Do． | Do． |
| $30 \frac{1}{8}$ | $4 \frac{5}{8}$ | 2118 | $25 \frac{3}{8}$ | $3 \times 3$ | ．．．．．．．．． | H．C．V．Hunter． |
| $29 \frac{1}{8}$ | $5^{\frac{3}{4}}$ | $15 \frac{1}{8}$ | $20 \frac{1}{2}$ | $3 \times 3$ | ．．．．．．．．． | Do． |
| $29 \frac{1}{8}$ | $4{ }^{\frac{5}{8}}$ | $21 \frac{1}{8}$ | 22플 | $3 \times 3$ | India ．．． | British Museum． |
| 281 $\frac{1}{8}$ | $5{ }^{7}$ | 23 | $26 \frac{1}{2}$ | $3 \times 3$ | ．．．．．．．．． | H．R．H．Duke of Edinbargh． |
| 28 | 5 | $18 \frac{3}{4}$ | $22 \frac{7}{8}$ | $3 \times 3$ | India ．．． | British Museum． |
| $27 \frac{3}{1}$ | 5 | 261 | $27 \frac{1}{8}{ }^{\text {．}}$ | $3 \times 3$ | Neilgherries ．．． | St．George Littledale，iS75． |
| 267 | 5知 | $12 \frac{1}{8}$ | 16 | $3 \times 3$ | ．．．．．．．．． | A．O．Hume，Private Collection． |
| 267 | $5 \frac{1}{4}$ | 23를 | $23 \frac{3}{}$ | $3 \times 2$ | Neilgherities ．．． | St．George Littledale， 1875. |
| $23^{\frac{3}{1}}$ | $4 \frac{3}{8}$ | $17 \frac{3}{8}$ | $18 \frac{1}{8}$ | $4 \times 3$ | ．．．．．．．．． | H．R．H．Duke of Edinburgh． |
| 22 | ．．． | （single horn） | ．．． | 7 | Nagpore ．．． | Sir Victor Brooke＇s Collection． （Shot by Lord David Kennedy． |
| 21 | 5 | $11{ }^{\frac{1}{8}}$ | $\ldots$ | $3 \times 3$ | ．．．．．．．．． | R．Lydekker，British Museum． |
| $18 \frac{1}{1}$ | $4 \frac{1}{2}$ | $7 \frac{5}{8}$ | 83 ${ }^{3}$ | $3 \times 3$ | India ．．．．．． | B．H．Hodgson，British Museum． |
| 16⿺𠃊⿳亠丷厂犬 | $2 \frac{3}{4}$ | $11 \frac{1}{8}$ | 12 | $1 \times \mathrm{I}$ | Nepal．．．．．． | Do． |

# CENTRAL AND SOUTHERN INDIAN SAMBUR 

（Rusa hippelaphus）．
Habitat－Central and Southern India．

| Lengtl． | Circum－ ference． | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Widest inside． | Points． | Habitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 363 | $5{ }^{\frac{7}{8}}$ | $27 \frac{3}{4}$ | ．．． | $2 \times 3$ | Nepal．．． | $\cdots$ | B．H．Hodgson，British Muscum． |
| $31 \frac{1}{4}$ | $5^{\frac{3}{8}}$ | 18 | I $8 \frac{3}{4}$ | $4 \times 3$ | Do．． |  | Do． |
| $29 \frac{1}{1}$ | $4^{\frac{1}{8}}$ | $20 \frac{1}{2}$ | ．．． | $3 \times 3$ | India | ．．． | British Museum． |
| 2S $\frac{1}{7}$ | 5 | $18 \frac{7}{8}$ | ．．． | $3 \times 4$ | Nepal．．． | $\ldots$ | B．H．Hodgson，British Museum． |

## EQUINE DEER（Cervus equinus）．

Habitat－Borneo，Sumatra，and Singapore．

| Length． | $\begin{aligned} & \text { Circum- } \\ & \text { ference. } \end{aligned}$ | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Widest inside． | Points． | Habitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $30 \frac{7}{8}$ | $6 \frac{1}{2}$ | $17^{\frac{1}{4}}$ | $19 \frac{5}{8}$ | $7 \times 7$ | ．．．．．． | ．．． | Sir Edmund G．Loder，Bart． |
| $30 \frac{1}{8}$ | $4{ }^{\frac{3}{8}}$ | 20.8 | $2 \mathrm{I}^{\frac{1}{4}}$ | $6(3 \times 3)$ | ．．．．．． | ．．． | British Museum． |
| 293 | 6 | $16 \frac{8}{8}$ | $20 \frac{3}{4}$ | $3 \times 3$ | ．．．．．． | ．．． | Hume Collection，British Museum． |
| 275 | $5{ }^{1}$ | $19 \frac{1}{3}$ | 18 | $3 \times 3$ | ．．．．．． | ．．． | Do． |
| $25 \frac{1}{8}$ | $4{ }^{7}$ | $14 \frac{3}{19}$ | 18 ¢ | $4 \times 3$ | ．．．．．． | ．．． | Do． |
| 23． | 7 | $15 \frac{3}{3}$ | ．．． | $3 \times 3$ | Borneo | ．．． | II．B．Low，British Museum． |
| $20 \%$ | $4{ }^{\frac{7}{8}}$ | 183 | ．．． | $3 \times 3$ | Do． | ．．． | Do． |
| 2013 | $5^{\frac{7}{8}}$ | 151 ${ }^{\frac{1}{2}}$ | $\ldots$ | $3 \times 3$ | Do． | ．．． | Do． |
| $20{ }_{8}^{3}$ | $4^{\frac{7}{8}}$ | 13 | $\ldots$ | $3 \times 3$ | Do． | ．．． | Do． |
| 19 宕 | $4{ }^{\frac{1}{4}}$ | $16 \frac{7}{8}$ | 167 | $4 \times 3$ |  | ．．． | Hume Collection，British Museum． |
| $19^{3}$ | 4 ${ }^{\frac{1}{2}}$ | 15 | ．．． | $3 \times 3$ | Borneo | ．．． | H．B．Low，British Museum． |
| $17 \%$ | $5 \frac{1}{8}$ | 16. | ．．． | $4 \times 5$ | Do． | ．．． | Do． |
| $17 \frac{1}{2}$ | $4 \frac{5}{8}$ | 133 | ．．． | $3 \times 3$ | Do． | ．．． | Do． |
| 16！ | $4 ?$ | 5䂞 | $\ldots$ | $2 \times 3$ | Do． | ．．． | W．B．Pryer，British Museum． |
| $15^{\frac{1}{4}}$ | $4 \frac{1}{8}$ | $13 \frac{1}{8}$ | $\ldots$ | $3 \times 3$ | Do． | ．．． | H．B．Low，British Museum． |
| $1 \mathrm{I}_{\text {荘 }}$ | $3^{\frac{1}{8}}$ | $9^{\frac{1}{4}}$ | ．．． | $3 \times 2$ | Do． | ．．． | Do． |

## SWINHOE'S DEER (Cervus swinhoii).

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    [Mr. Swinhoe on "Chinese Mammals," P.Z.S. I870, p. 646.]
["Cervus (Rusa) Swinhoii," Sclater. P.Z.S. 1862, p. I52; Swinhoe, P.Z.S.
    1862, p. 364.]
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In the central ranges of Formosa, near Mount Morrison, this brown deer is very common; and on a visit I paid to the wild tribes of these parts in February 1866, I found them hunting the deer with dogs.

A place is cleared in the forest, where a party of men hide armed with matchlocks; the dogs yelp after the deer and drive them into the open, where the hidden sportsmen get easy shots at them. The son of the chief with whom I was staying had just returned from a successful battue with the robust antlers and flesh of a large buck. I induced him to return for the head, which he had thrown away on the field. I was thus enabled to secure a fine skull for the British Museum.

The young of this species, about half-grown, is reddish brown, with the tail bushy and black, but reddish at its root; sides of the body paler, and the belly blackish brown; legs pale towards the hoofs, the latter black; under surface of tail, abdomen, and inner sides of hind legs down to middle of shank yellowish white, the breast and belly being blackish brown; under surface of head and neck mottled whitey brown ; crown of the head, with many of the hairs, tipped with black; from the occiput a dark line runs down to the base of the tail; ears blackish brown, tipped and margined with ochreous white, and whitish on their insides.

The adult, in summer, has its coarse hair deep brown, faintly mottled, rufous on the rump; between the fore legs and the thighs ochreous white; tail bushy and dark. In winter it becomes a deeper brown.

The Society's Gardens have had two or three examples of this animal alive; and Dr. Sclater is doing it justice in his paper for the "Transactions." Fig. 5 represents the antlers of a mature individual which I procured in South Formosa.

I have nct heard of any species of Rusa occurring on the main of China; but in Hainan the C. hippelaphus appears to abound. From North China we have the Cervus xanthopygus (A. M. Edwards), the Elaphurus davidianus (A. M. Edwards), and the Capreolus pyaargus (Pall).

| Length. | Circum ference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | $\begin{aligned} & \text { Widest } \\ & \text { inside. } \end{aligned}$ | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19 ? | ... | 9 | 127 | $3 \times 3$ | Island of Formosa | Zoological Society, British Muscum. |
| $16 \frac{1}{8}$ | $3 \frac{5}{8}$ | 16 | ... | $3 \times 3$ | Do. | British Muscum. |
| $13{ }^{\frac{5}{8}}$ | 48 | $13 \frac{1}{8}$ | ... | $4 \times 4$ | Do. | Zoological Society, British Museum. |
| $5{ }^{\frac{7}{8}}$ | $2 \frac{1}{8}$ | $6 \frac{1}{4}$ | ... | $2 \times 3$ | Do. | British Muscum. |

## THE PHILIPPINE DEER (Cervus philippinus).

[Sir Victor Brooke, Bart., P.Z.S. 1877, p. 5ı.]
Adult Male.-Hair of moderate length and rather harsh. General colour, rich ruddy brown, darkest on the back and lightest on the neck. Forehead and cheeks rufous fawn-colour; dark (almost black) streaks commence over each eye, and, blending together, form a band running down the centre of the face, which is separated from the dark moustache-like mark bordering the muzzle by a narrow track of pale fawn-colour. Breast and kelly uniform brown. Tarsal gland plainly marked by a rufous spot. Ears of moderate size, covered externally by short close-set hair. Horns remarkably rough and massive; a powerful, long brow-antler, and one short tinc directed inwards. Height at shoulder, about 27 inches.

The skull of this species is an exact miniature of that of Cervus aristotelis.

Female.-In external colouration differs in no way from the male.

Young.-Of a uniform brown, without spots.
Habitat.-Island of Luzon, Philippines.
The Philippine deer is a very stout-built, short-limbed, powerful animal, in carriage and general appearance closely resembling the common Sambur (Cervus aristotelis).

| Length. | Circum- <br> ference. | Tip to <br> Tip. | Widest <br> inside. | Points. | Habitat. |  | Owner. |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{I} \frac{1}{3}$ | $4 \frac{1}{2}$ | $11 \frac{5}{8}$ | $11 \frac{3}{4}$ | $3 \times 3$ | Basilan | $\ldots$ | $\ldots$ |
| $13 \frac{1}{2}$ | $4 \frac{3}{8}$ | $12 \frac{1}{3}$ | $12 \frac{1}{3}$ | $3 \times 3$ | Philippine Islandis | $\ldots$ | Everett, British Museum. |

MARIANE DEER (Cervus marianus).
The late Sir Victor Brooke believed that Cervus philippinus and C. marianus were identical.

Habitat-Philippine Islands.

| Length. | Circumference. | Tip to Tip. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 195 | $5^{\frac{1}{4}}$ | $7^{\frac{1}{2}}$ | $4 \times 4$ | Philippine Islands... | Capt. Belcher, British Museum. |
| $1 \mathrm{~S}_{8}^{7}$ | $5 \frac{1}{4}$ | $9{ }^{\text {星 }}$ | $3 \times 5$ | Do. | Do. |
| $1{ }^{1}{ }_{8}^{3}$ | $5 \frac{1}{8}$ | $14{ }^{\frac{3}{1}}$ | $4 \times 3$ | Do. | Do. |
| 18 | $4{ }^{\frac{5}{8}}$ | $13^{\frac{7}{8}}$ | $4 \times 4$ | Do. | Do. |
| $15 \frac{1}{8}$ | $5 \frac{1}{2}$ | $1{ }^{\frac{1}{4}}$ | $3 \times 3$ | Do. | Do. |
| $14 \frac{5}{8}$ | $4 \frac{3}{1}$ | $\delta_{8}^{1}$ | $3 \times 3$ | Do. ... | Do. |



## HOG DEER (Cervus porcinus).

Habitat-India.


Habitat.

| India | $\ldots$ | $\ldots$ | A. O. Hume, Private Collection. |
| :--- | :--- | :--- | :--- | :--- |
| Burmahi | $\ldots$ | $\ldots$ | Sir Victor Brooke's Collection. |
| India | $\ldots$ | $\ldots$ | I. C. V. Hunter. |
| Nepal | $\ldots$ | $\ldots$ | B. H. Hodgson, British Museum. |
| India | $\ldots$ | $\ldots$ | J. Carr-Saunders. |
| Do. | $\ldots$ | $\ldots$ | H. C. V. Hunter. |
| Do. | $\ldots$ | $\ldots$ | British Museum. |
| Nepal | $\ldots$ | $\ldots$ | B. H. Hodgson, British Museum. |
| India | $\ldots$ | $\ldots$ | British Museum. |
| Do. | $\ldots$ | $\ldots$ | I. C. V. Hunter. |
| Do. | $\ldots$ | $\ldots$ | Gen. Hardwicke, British Museum. |
| Do. | $\ldots$ | $\ldots$ | British Museum. |

## HOG DEER (Cervus porcinus)-continucd.

| Length. | $\begin{array}{\|c\|} \text { Circum- } \\ \text { ferencu above } \\ \text { brow tine. } \end{array}$ | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $14^{\frac{1}{4}}$ | $3^{\frac{1}{4}}$ | $10 \frac{3}{4}$ | Nepal | ... | B. H. Holgson, British Museum. |
| $14^{\frac{1}{8}}$ | $2{ }^{3}$ | (single horn) | India | ... | Gen. Hardwicke, British Museum. |
| 14 | 3 | $8 \frac{5}{8}$ | Do. | ... | H. R.H. Duke of Edinburgh. |
| $13^{\frac{1}{4}}$ | $3 \frac{1}{8}$ | $10{ }^{13}$ | Do. | ... | Gen. Hardwicke, British Museum. |
| 13 | $3 \frac{1}{8}$ | 123 | Do. | ... | Hon. Walter Rothschild. |
| $12 \frac{3}{4}$ | 3 | 105 | Nepal | .. | B. H. Hodgson, British Museum. |
| $12 \frac{1}{2}$ | 3 | $12{ }^{\frac{7}{3}}$ | India | ... | Gen. Hardwicke, British Museum. |
| $11 \frac{1}{4}$ | $3^{\frac{1}{4}}$ | $9{ }^{\text {荽 }}$ | Do. | ... | British Museum. |
| $11 \frac{1}{4}$ | $2 \frac{5}{8}$ | II | Do. |  | Gen. Hardwicke, British Museum. |
| 9 ? | 3 | (single horn) | Do. | ... | Do. |

## KUHL'S STAG (Cervus kuhli).

[Sir Victor Brooke, P.Z.S. i878, p. 902.]
[1839-44. Cervus kuhlii, Mull. "Verh. Nat. Gesch. Ned. Bez. Zoo.," p. 223, pls. 44, 45, figs. 12-14.

Habitat—Bavian Islands. Type-Mus. Leyden.
This species was originally described by Muller from specimens collected by Diard in the Bavian Islands, to which locality the species, as far as is at present known, is confined. The auditory bullæ in Cervus kuhli are largely inflated. By this character the skull may be distinguished from that of any of the Rusine deer, with the exception of C. porcinus. The skull of C. kuhli differs from that of C . porcinus in having the facial portion anterior to the orbits much more compressed, and the orbits much more prominent. C. kuhli has proportionally much longer limbs than C. porcinus; and all the hairs of the back and sides are annulated
in the former and not in the latter species. The young of C . kuhli are unspotted, which is not the case with those of C . porcinus. Both species are devoid of upper canines.

| Length. | Circum- <br> ference. | Tip to Tip. | Widest <br> inside. | Points. | Habitat. | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $9 \frac{3}{\frac{3}{4}}$ | 27 | $10 \frac{7}{8}$ | 107 | $3 \ldots 3$ | Java... | $\ldots$ | British Museum. |

## MOLUCCAN DEER (Cervus moluccensis).

[Sir Victor Brooke, P.Z.S. 1878, p. 904.]
Dimensions.
Total length of skull in a straight line
Eng. inches.
From ant. rim of orbit to free extremity of præmaxillæ $5 \% 7$
Length of upper molar series ... ... ... ... r8 premolar series ... ... ... I•4
Greatest length of nasals ... ... ... ... 3.5
Length of præmaxillæ ... ... ... ... ... 2.9
Across the lower rims of orbits at the widest place... 4.5
Length of humerus ... ... ... ... ... 79
,, radius ... ... ... ... ... ... $7^{\circ} 2$
,, metacarpal cannon ... ... ... ... 6.I
,, femur ... ... ... ... ... ... 97
,, tibia ... ... ... ... ... ... 10 '5
,, metatarsal cannon ... ... ... ... 7
Habitat- Molucca Islands.

| Length. | Circum- <br> ference. | Tip to Tip. | Points. | Habitat. |  | Owner. |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $3^{6 \frac{1}{8}}$ | $4 \frac{5}{8}$ | $18 \frac{1}{2}$ | $3 \times 3$ | $\ldots$ | $\ldots$ | $\ldots$ | Sir Edmund G. Loder, Bart. |
| $S_{4}^{\frac{3}{4}}$ | 4 | $5 \frac{1}{8}$ | $\ldots$ | Batchian | $\ldots$ | A. R. Wallace, British Museum. |  |
| $6 \frac{1}{4}$ | $3 \frac{3}{8}$ | $5 \frac{5}{8}$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | British Museum. |



## SWAMP DEER (Cervus duvaucelli).

Habitat-India.
Weight-About 40 stone.

| Length round outside | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 I | 512 | (one <br> bro | horn <br> ken) | $6 \times 6$ | Central Provinces | Major C. S. Cumberland. (Shot in 1891.) |
| $39^{\frac{1}{4}}$ | 5 | $35^{\frac{1}{2}}$ | $37 \frac{1}{2}$ | $5 \times 6$ | India ... ... | Do. |
| $37 \frac{3}{8}$ | 5 ${ }^{\frac{1}{4}}$ | 23홍 | $28 \frac{1}{2}$ | $7 \times 6$ | $\cdots$... $\quad$ - | Sir Edmund G. Loder, Bart. |
| 36 | 5 | $29 \frac{3}{4}$ | $33 \frac{3}{8}$ | $6 \times 5$ | Nepal... ... | B. H. Hodgson, British Museum. |
| $35 \frac{3}{8}$ | $4^{\frac{7}{8}}$ | 27 | $29 \frac{3}{4}$ | ... | ... | Sir Victor Brooke's Collection. |
| 35 ${ }^{1}$ | $5 \frac{3}{4}$ | $22 \frac{1}{4}$ | ... | $7 \times 6$ | ... | H. C. V. Hunter. |
| $34 \frac{3}{4}$ | 55 ${ }^{\frac{5}{8}}$ | $38 \frac{1}{4}$ | ... | $5 \times 5$ | Central Provinces | Major C. S. Cumberland. |
| $33 \frac{1}{2}$ | $4^{\frac{3}{4}}$ | 261 $\frac{1}{2}$ | $29 \frac{1}{4}$ | $5 \times 5$ | Do. | Do. |
| $33 \frac{1}{8}$ | $5^{\frac{1}{2}}$ | $38 \frac{3}{8}$ | $\cdots$ | $5 \times 5$ | Do. | Do. |
| $32 \frac{7}{8}$ | $5^{\frac{1}{4}}$ | $22 \frac{3}{8}$ | $26 \frac{3}{8}$ | $5 \times 6$ | $\ldots$ | A. O. Hume, Private Collection. |
| $32 \frac{3}{4}$ | 5 | $27 \frac{1}{2}$ | ... | $6 \times 7$ | - | Capt. Henry Streatfield. |
| 325 | 5 | $33^{\frac{1}{4}}$ | 35 | $6 \times 6$ | ... $\quad .$. | Sir Robert Harvey, Bart. |
| $32 \frac{1}{8}$ | $5 \frac{1}{8}$ | 195 ${ }^{\frac{5}{8}}$ | $24 \frac{1}{2}$ | $7 \times 7$ | ... ... | H.R.H. Duke of Edinburgh. |
| 317 | $4 \frac{5}{8}$ | $26 \frac{1}{2}$ | 30 | $5 \times 6$ | ... ... ... | Major Cumberland. |
| 317 7 | $4 \frac{3}{4}$ | $27 \frac{1}{8}$ | 30 | $7 \times 8$ | Nepal ... ... | B. H. Hodgson, British Museum. |

SWAMP DEER (Cervus duvaucelli)-continuted.


## SCHOMBURGK'S DEER (Cervus schomburgki).

[Sir Victor Brooke, Bart., P.Z.S. 1876, p. 306.]
Adult Male.-Antlers with very long powerful brow-antlers, which are frequently forked; beam very short, and more or less laterally compressed; upper part of the antlers strictly dichotomous, each of the main branches about equally developed, and in itself dichotomous, and furnished with long cylindrical tines. External surface of the antlers smooth and polished. Hair in winter rather long and coarse. General colour uniform brown, darkest on the nose and upper surface of the tail, and lightest on the cheeks and lower parts of the sides and haunches. Lower lip, belly, and under surface of tail whitish. Upper lip, occiput, and limbs with a decided tinge of rufous. The hair on the front of the metacarpal cannon bones is lengthened into an everted mane about 2 inches in length.

Immature Male.-Antlers with the posterior of the two main branches less developed than the anterior branch.

Habitat-Northern parts of Siam.

| Length. | Circum ference | $\begin{gathered} \text { Tip to } \\ \text { Tip. } \end{gathered}$ | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $30 \frac{1}{8}$ | 5 | $15 \frac{5}{8}$ | 33 | $10 \times 10$ | Siam ... ... | British Museum. |
| $29 \frac{7}{8}$ | $5 \frac{1}{8}$ | 23 䂞 | 267 | $9 \times 8$ | Do. ... | Do. |
| $29 \frac{3}{4}$ | $4^{\frac{3}{4}}$ | $28 \frac{3}{8}$ | 315 | $10 \times 11$ | Do. ... ... | Do. |
| $28 \frac{1}{2}$ | 53 ${ }^{\frac{1}{4}}$ | 11 | $29 \frac{3}{8}$ | $11 \times 9$ | ... ... ... | Sir Victor Brooke's Collection. |
| $27 \frac{7}{8}$ | 53 | 14 | $24 \frac{1}{2}$ | $9 \times 8$ | Siam ... ... | British Museum. |
| $27 \frac{3}{4}$ | $4{ }^{\frac{3}{8}}$ | $18 \frac{1}{2}$ | $24 \frac{7}{8}$ | $7 \times 8$ | Do. ... ... | Do. |



## BURIMESE STAG or THEMIN (Cervus eldi).

Habitat-Burmah and Hainan.

| Length. | Circumference. | Tip to Tip. | Widest inside. | Points. | Length of brow tine. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 398 | 5 | $31 \frac{3}{8}$ | $\begin{gathered} 36 \frac{5}{5} \\ (\mathrm{sm} \end{gathered}$ | 20 all poin | ts) | Siam ... | .. | Sir Fdmund G. Loder, Bart. |
| 387 | $6 \frac{1}{4}$ | $25 \frac{1}{2}$ | $30^{3}$ | $16 \times 19$ |  | India ... | ... | British Museum. |
| $37 \frac{1}{2}$ | $5 \frac{3}{8}$ | $20 \frac{1}{4}$ | $30 \frac{1}{2}$ | $5 \times 5$ | $\cdots$ | Do. | ... | Do. |
| 37 | $6 \frac{1}{8}$ | $\cdots$ | $31 \frac{1}{4}$ | ... | $10 \frac{1}{2}$ | ... ... | ... | Rowland Ward's Collection. |
| $36 \frac{1}{8}$ | $5^{\frac{1}{2}}$ | $28 \frac{3}{1}$ | $31{ }^{\frac{3}{4}}$ | $4 \times 3$ | -. | ... $\quad$. | $\ldots$ | A. O. Hume, Private Collection. |
| $35 \frac{3}{4}$ | $5 \frac{3}{8}$ | 307 | $34^{\frac{1}{2}}$ | $4 \times 5$ | $\cdots$ | India ... | ... | British Museum. |
| $34 \frac{7}{8}$ | $5^{\frac{1}{2}}$ | $27 \frac{1}{2}$ | 32 | $6 \times 6$ | $\ldots$ | ... ... | $\ldots$ | Hume Collection, British Museum. |
| $34 \frac{5}{8}$ | $6 \frac{1}{8}$ | 24 | $30 \frac{3}{8}$ | $5 \times 6$ | $\cdots$ | $\cdots$ | ... | A. O. Hume, Private Collection. |
| $34 \frac{1}{8}$ | 5 | 24 | $32 \frac{1}{4}$ | $6 \times 6$ | $\cdots$ | $\cdots$ | ... | Hon. Walter Rothschild. |
| 34 | $5^{\frac{7}{8}}$ | $23 \frac{1}{2}$ | $29 \frac{3}{4}$ | $10 \times 10$ | ... | $\cdots$ | $\cdots$ | J. Carr-Saunders. |
| $33{ }^{\frac{7}{8}}$ | $5 \frac{1}{8}$ | $25{ }^{7}$ | $28 \frac{3}{4}$ | $6 \times 6$ | $\cdots$ | India ... | ... | British Museum. |
| 332 ${ }^{\frac{1}{2}}$ | $5 \frac{1}{2}$ | $\cdots$ | 40 | ... | 15 | $\cdots \quad$... | ... | Col. Pole Carew. |

## BURIMESE STAG or THEMIN (Cervus eldi)-continut.



## PERE DAVID'S DEER (Cervus davidianus).

[Sir Victor Brooke, P.Z.S. 1878, p. 906.]
Antlers dichotomous, about twice the length of the head, pedestals short. The anterior branch of the antlers (b) more strongly developed than the posterior branch (c) and in adult specimens bifurcating and carrying many strong tines. Facial portion of the skull much elongated. Ears small and narrow; eye small; tail long; neck maned; stature large; young unspotted.

Distribution-North-eastern Palæarctic region.

| Length. | Circum- <br> ference. | Tip to <br> Tip. | Widest <br> inside. | Points. | Habitat. | Owner. |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :--- | :--- |
| $32 \frac{7}{8}$ | $6 \frac{3}{8}$ | $13 \frac{5}{8}$ | $18 \frac{1}{2}$ | $8 \times 8$ | Near Pekin ... | Sir Edmund G. Loder, Bart. |  |  |
| $28 \frac{1}{4}$ | $5 \frac{3}{8}$ | $26 \frac{1}{2}$ | $\ldots$ | $3 \times 3$ | $\ldots$ | $\ldots$ | $\ldots$ | Hon. Walter Rothschild. |
| 27 | $5{ }^{\frac{7}{8}}$ | $20 \frac{1}{4}$ | $\ldots$ | $6 \times 5$ | $\ldots$ | $\ldots$ | $\ldots$ | British Museum. |

JAVA DEER (Cervus rusa).
\(\left.$$
\begin{array}{l|c|c|c|c|c|c|c}\text { Length. } & \begin{array}{c}\text { Circum- } \\
\text { ference. }\end{array} & \begin{array}{c}\text { Tip to } \\
\text { Tip. }\end{array} & \begin{array}{c}\text { Widest } \\
\text { inside. }\end{array}
$$ \& Points. \& Habitat. \& Owner. <br>
\hline 35 \& 4 \frac{3}{8} \& 22 \frac{3}{4} \& ··· \& 3 \times 3 \& Java \& ··· \& ··· <br>

34 \& 4 \frac{3}{4} \& 16 \frac{3}{8} \& 17 \frac{1}{2} \& 3 \times 3 \& ··· \& ··· \& ···\end{array}\right)\)| Sir Victor Brooke's Collection. (Shot |
| :---: |
| by Col. Douglas Hamilton.) |
| Do. |



## AXIS (Axis maculata).

Native Name-Chital or Chitra.
Habitat-India.

| Length outside curve. | Circumference above first point. | Tip to Tip. | Points. |  | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37\% | 4 ${ }^{\frac{1}{4}}$ | $24 \frac{3}{8}$ | $4 \times 4$ | India | ... | - | A. O. Hume, Private Collection. |
| $37 \%$ | 4 | $24 \frac{1}{2}$ | $3 \times 3$ | Do. | $\cdots$ | . | Do. |
| $37 \frac{1}{4}$ | $4^{\frac{1}{4}}$ | 167 | $4 \times 5$ | Do. | ... | ... | Sir Victor Brooke's Collection. |
| $36 \frac{3}{4}$ | $4^{\frac{3}{8}}$ | $19 \frac{1}{8}$ | $4 \times 4$ | Do. | ... | ... | W. C. Oswell. |
| $3^{6 \frac{1}{2}}$ | $4 \frac{1}{2}$ | 25 | $3 \times 4$ | Do. | $\cdots$ | .. | C. H. Seeley. |
| 36 | $4{ }^{\frac{1}{4}}$ | $25^{\frac{1}{4}}$ | $3 \times 4$ | Do. | $\cdots$ | -. | British Museum. |
| 351 ${ }^{\frac{1}{2}}$ | $4{ }^{\frac{1}{4}}$ | $18 \frac{1}{8}$ | $4 \times 4$ | Do. | ... | ... | Sir Edmund Loder, Bart. |
| $35^{\frac{1}{4}}$ | $4 \frac{1}{8}$ | $22 \frac{7}{8}$ | $3 \times 3$ | Do. | $\cdots$ | ... | Major-Gen, Ellis, C.S.I. |
| $34^{\frac{3}{4}}$ | 42 | $17 \frac{3}{4}$ | ... | Do. | ... | ... | H.R.H. Duke of Edinburgh. |
| 353 | $4 \frac{5}{8}$ | 23 | $3 \times 4$ | Do. | $\cdots$ | ... | British Museum. |
| $34 \frac{5}{8}$ | $3 \frac{5}{8}$ | $14 \frac{3}{8}$ | $3 \times 3$ | Do. | $\cdots$ | ... | Do. |
| $34 \frac{1}{2}$ | $6 \frac{1}{2}$ | $15^{\frac{1}{2}}$ | $5 \times 4$ | Do. | $\cdots$ | $\cdots$ | Capt. G. Campbell. |
| $34 \frac{1}{2}$ | $4^{\frac{1}{4}}$ | 201 | $3 \times 3$ | Do. | ... | $\cdots$ | Sir Victor Brooke's Collection. |
| 34 | $4{ }^{3}$ | $16 \frac{1}{2}$ | ... | Do. | $\cdots$ | ... | Col. Polc-Carew. |
| $33 \frac{7}{8}$ | $3{ }^{\frac{7}{8}}$ | 22 | $4 \times 4$ | Do. | $\cdots$ | $\cdots$ | British Museum. |
| $33 \frac{5}{8}$ | $3{ }^{\frac{7}{8}}$ | (one horn broken) | $3 \times 3$ | Do. | ... | $\cdots$ | Do. |
| 33 $\frac{1}{2}$ | $4 \frac{5}{8}$ | $13{ }^{\frac{1}{8}}$ | $3 \times 3$ | Do. | $\ldots$ | ... | J. Carr-Saunders. |
| $33 \frac{1}{2}$ | 4 $\frac{3}{8}$ | 23䂞 | $4 \times 5$ | Central | Provinces |  | Major C. S. Cumberland. |

## AXIS (Axis maculata)-continued.

| Length outside curve. | Circumference above first point. | Tip to Tip. | Points. |  | Habitat |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $33 \frac{1}{4}$ | $4 \frac{1}{8}$ | $20 \frac{1}{4}$ | $4 \times 4$ | India | ... | . | British Museum. |
| $33^{\frac{1}{4}}$ | 4 ${ }^{\frac{1}{4}}$ | 22 $\frac{1}{2}$ | $4 \times 5$ | Do. | ... |  | Do. |
| $33^{\frac{1}{4}}$ | $3{ }^{\frac{7}{8}}$ | 13 | $2 \times 3$ | Yeddac Ind |  | South | Sir Victor Brooke's Collection. (Shot by Col. Doug. Hamilton.) |
| $33^{\frac{1}{8}}$ | $3^{\frac{7}{8}}$ | $14 \frac{3}{8}$ | $3 \times 4$ | India | ... |  | Sir James Anderson, Bart. |
| 335 | $4 \frac{1}{8}$ | $21 \frac{1}{8}$ | $3 \times 4$ | Do. | $\ldots$ | .* | British Museum. |
| 327 | $4 \frac{3}{8}$ | $21 \frac{1}{2}$ | $3 \times 3$ | Do. | ... | .. | Hon. Walter Rothschild. |
| $32{ }^{\frac{3}{4}}$ | 37 | 14 | $3 \times 3$ | Do. | ... | ... | Sir James Anderson, Bart. |
| $32 \frac{1}{2}$ | $4 \frac{1}{4}$ | $23 \frac{3}{8}$ | $5 \times 4$ | Karkoo | r, Sou | India | Sir Victor Brooke's Collection. |
| $32 \frac{3}{8}$ | $3 \frac{7}{8}$ | 154 | $3 \times 3$ | Central | Prov | ces ... | Major C. S. Cumberland. |
| $31 \frac{1}{2}$ | $3 \frac{5}{8}$ | $19 \frac{1}{2}$ | $5 \times 5$ | India | ... |  | British Museum. |
| 317 | $4 \frac{1}{4}$ | 22 | $6 \times 6$ | Do. | ... | ... | Do. |
| $31 \frac{1}{4}$ | 3? | $10 \frac{7}{8}$ | $3 \times 3$ | Do. | ... | - | H. C. V. Hunter: |
| $30 \frac{1}{2}$ | 4 | $10 \frac{1}{2}$ | $3 \times 3$ | Do. | ... | - | Do. |
| $30 \frac{3}{8}$ | $4 \frac{1}{8}$ | 218 | $4 \times 4$ | Do. | ... | - | Sir Robert Harvey, Bart. |
| $30 \frac{3}{8}$ | $3 \frac{5}{8}$ | $6 \frac{5}{8}$ | $3 \times 3$ | Do. | ... | ... | H. R. H. Duke of Edinburgh. |
| $29 \frac{7}{8}$ | $4 \frac{1}{8}$ | $20 \frac{1}{4}$ | $3 \times 3$ | Do. | -. | - | British Museum. |
| 297 | $3^{\frac{1}{2}}$ | $4 \frac{3}{8}$ | $4 \times 4$ | Nepal | $\ldots$ | - | B. H. Hodgson, British Museum. |
| 297 | $3 \frac{5}{8}$ | $16 \frac{1}{2}$ | $3 \times 3$ | India | $\cdots$ | ... | Sir Robert Harvey, Bart. |
| $29 \frac{3}{8}$ | $4 \frac{1}{8}$ | 178 | $5 \times 4$ | Do. | ... | $\cdot$ | British Museum. |
| 29 | $3 \frac{5}{8}$ | $18 \frac{1}{2}$ | $3 \times 3$ | Nepal |  | -• | B. H. Hodgson, British Museum. |
| 285 | 3 ${ }^{\frac{3}{8}}$ | $15 \frac{1}{1}$ | $3 \times 3$ | India | $\cdots$ | ... | Martyn Kennard. |
| 285 | $3 \frac{5}{8}$ | $13 \frac{7}{8}$ | $3 \times 3$ | Do. | $\cdots$ | ... | Rowland Ward's Collection, |
| 28 | $3^{\frac{1}{2}}$ | $12 \frac{5}{8}$ | $3 \times 3$ | Do. | $\cdots$ | ... | Sir Robert Harvey, Bart. |
| 27 | $3{ }^{\frac{1}{2}}$ | $8 \frac{1}{2}$ | $3 \times 3$ | Do. | $\cdots$ | $\ldots$ | Capt. Lewis Jones, R.E. |
| $24 \frac{3}{4}$ | $3 \frac{1}{8}$ | $19 \frac{3}{8}$ | $3 \times 3$ | Do. | ... | . | British Museum. |
| $23{ }^{3}$ | $2 \frac{7}{8}$ | $11 \frac{1}{4}$ | $3 \times 3$ | Do. | ... | - | Do. |
| $22 \frac{1}{8}$ | $3 \frac{3}{8}$ | $9^{\frac{3}{4}}$ | $6 \times 6$ | Nepal | ... | ... | B. H. Hodgson, British Museum. |

## JAPANESE DEER (Cervus sika).

Several herds of these Deer have been acclimatized in Great Britain, notably by the late Sir Victor Brooke, Bart., at Colebrooke, Ireland, and Viscount Powercourt, county Wicklow, as well as Sir Robert Harvey, Bart, at Langley, Slough.

Habitat-Japan.

| Length. | Circumference. | Tip to Tip. | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $31{ }^{1 \frac{1}{4}}$ | $5^{\frac{1}{4}}$ | $27 \frac{1}{8}$ | $27 \frac{3}{8}$ | $4 \times 4$ | ... | Sir Edmund G. Loder, Bart. |
| 253 | $4 \frac{1}{8}$ | $20 \frac{1}{4}$ | -. | $4 \times 4$ | ... ... ... | Do. |
| 22, $\frac{1}{2}$ | $3 \frac{1}{8}$ | $16 \frac{1}{8}$ | $19{ }^{\frac{1}{2}}$ | $8 \times 9$ | North Japan ... | St. George Littledale. |
| 215 | $3 \frac{3}{8}$ | $16 \frac{1}{2}$ | $20 \frac{1}{8}$ | $10 \times 6$ | Islands of Yezzo... | Do. |
| $18 \frac{1}{2}$ | $3^{\frac{3}{4}}$ | $\cdots$ | 12 | 9 | Bred in Ireland ... | Sir Victor Brooke's Collection. |
| 163 | $3 \frac{1}{8}$ | ... | 13 | $4 \times 3$ | Japan ... ... | British Museum. |
| $16 \frac{5}{8}$ | $3^{\frac{1}{2}}$ | $\cdots$ | $12 \frac{1}{2}$ | $4 \times 4$ | Bred in Ireland ... | Sir Victor Brocke's Collection. |
| $13 \frac{7}{8}$ | $2{ }^{3}$ | ... | $14 \frac{3}{4}$ | $3 \times 3$ | Japan ... ... | British Museum. |
| 122 $\frac{1}{2}$ | $2 \frac{3}{8}$ | $6 \frac{1}{2}$ | $6 \frac{3}{4}$ | $3 \times 3$ | Do. ... | Do. |

## MANTCHURIAN DEER (Cervus mantchuricus).

[Swinhoe, P.Z.S. 1865, p. I.]
Fine buck from Newchwang, still in summer coat, examined 30th September, 1864. General colour reddish brown; under neck and fore thighs covered with rather long dusky brown hair ; hair of neck, chiefly on its back part and down part of the back list, long and shaggy; list black between the shoulders, fading towards
the tail, inner portion of hind thighs, and inside hair of ears; a large spot on the outer portion of ear near its root; rim round the eye and chin; throat white; body ornamented with large spots of white; tail, including apical hair, nearly one foot long; the hair that overhangs the roots of the tail on either side black; basal half of tail white; apical half black with white tips; under the tail and between the hams white; knees and front of tibice brown; head, from crown to tip of nose, about 20 inches long; ear about 9 inches; forehead and before the eyes reddish; rest of face brownish fawn colour; horns, with frontal tine about 5 inches long, bent a little downwards at the tips; about 8 inches of the stem between lowest tine and the next above, which are broken and represented only by a knob; top stem between that and the top knob about 4 inches.

Habitat-China.

| Length. | Circum- <br> ference. | Tip to <br> Tip. | Points. | Habitat. | Owner. |
| ---: | :---: | :---: | :---: | :---: | :---: |
| $15^{\frac{3}{8}}$ | 3 | 20 | $4 \times 4$ | South Ussari, Mantchuria ... | British Museum. |

FORMOSA DEER (Cervus taëvanus).

| Length. | Circum- <br> ference. | Tip to <br> Tip. | Widest <br> inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $19 \frac{3}{4}$ | $3 \frac{3}{8}$ | 13 | $16 \frac{3}{8}$ | $4 \times 4$ | Islands of Formosa | $\ldots$ | British Museum.



STOKE PARK DEER HEAD.

RED DEER (Cervus elaphus).
Habitat-Europe, Western Asia, and North Africa.

|  |  | Tip to Tip. | $\begin{aligned} & \text { Widest } \\ & \text { spread } \\ & \text { inside. } \end{aligned}$ | Points. | Weight. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 68 | $\cdots$ |  | (outside) | 44 |  | Carpathians? ? | Lord Powerscourt, P.Z.S. 1862, p. 142. |
| 4812 | 6 | 30 | (outside) ${ }_{\text {4 }}$ | $5 \times 6$ | ... | Ichater Dagh (Crimea). | H. R.H. Duke of Edirburgh, 1874. |
| $48 \frac{1}{8}$ | $7 \frac{1}{4}$ | (single horn) | ... | 12 | ... | Asia Minor | Lord A. Hay, British Museum. |
| 475 | $5^{\frac{1}{2}}$ | 38 | $\ldots$ | . $6 \times 5$ | ... | Caucasus ... | St. George Littledale. |
| $47 \frac{1}{8}$ | $7{ }^{\text {7 }}$ | 34 | $41 \frac{1}{8}$ | $8 \times 9$ | ... | Germany... | Sir Victor Brooke's Collection. |
| 47 | $7 \frac{1}{8}$ | 36 | 37 年 | $6 \times 7$ | ... | Caucasus ... | St. George Littledale. |
| $46 \frac{3}{1}$ | 53 | 18 | 33 | $8 \times 8$ | ... | $\stackrel{\text { Do. }}{(7, \mathrm{ooo} \mathrm{ft} .)}$ | Do. British <br> Museum. |

## RED DEER (Cervus elaphus)-continued.

|  |  | Tip to Tip. | $\begin{aligned} & \text { Widest } \\ & \text { spread } \\ & \text { inside. } \end{aligned}$ | Points. | Weight. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $45^{\frac{3}{4}}$ | $7 \frac{3}{4}$ | $25 \frac{1}{8}$ | $35{ }^{\frac{3}{8}}$ | $8 \times 8$ | st. lbs. | Caucasus... | St. George Littledale. |
| $45 \frac{5}{8}$ | $6 \frac{1}{8}$ | $26 \frac{3}{8}$ | $38 \frac{1}{4}$ | $5 \times 5$ | ... | Hungary ... | Major - Gen. Arthur Ellis, C.S. I., 1886. |
| $45^{\frac{1}{8}}$ | $7{ }^{\frac{3}{4}}$ | ... | ... | $9 \times 6$ | ... | Asia Minor | Sir Edmund G. Loder, Bart. |
| $44^{\frac{3}{4}}$ | 61 | $33^{\frac{3}{4}}$ | $35 \frac{1}{\frac{1}{3}}$ | $7 \times 5$ | $\ldots$ | Caucasus... | St. George Littledale. |
| $44^{\frac{5}{8}}$ | $6 \frac{3}{4}$ | 39 | 40 | $7 \times 7$ | $\ldots$ | Hungary ... | Major-Gen. Arthur Ellis, C.S. I., 1886. |
| $44^{\frac{1}{4}}$ | 7 | $31 \frac{1}{4}$ | 34 | $6 \times 6$ | $\ldots$ | Caucasus... | St. George Littledale. |
| $44^{\frac{1}{4}}$ | 67 | (single horn) | ... | 9 | $\ldots$ | Asia Minor | C. G. Danford, Brilish Museum. |
| $43^{\frac{1}{2}}$ | $6 \frac{3}{4}$ | $21^{\frac{3}{4}}$ | 35 | $7 \times 7$ | $\ldots$ | Caucasus... | St. George Littledale. |
| $43^{\frac{1}{2}}$ | 6 | ... | $38 \frac{1}{2}$ | $8 \times 6$ | $\ldots$ | Asia Minor | E. N. Buxton. |
| 43 | 6121 | $20 \frac{1}{8}$ | $25 \frac{3}{8}$ | $8 \times 2$ (malformed | ... | Caucasus... | St. George Littledalc. |
| $42 \frac{1}{2}$ | $6 \frac{1}{4}$ | 348 | $37{ }^{\text {巣 }}$ | $6 \times 7$ | ... | Do. ... | Do. |
| $42 \frac{3}{8}$ | $6 \frac{3}{8}$ | 374 | 41 | $7 \times 7$ | $\ldots$ | Do. ... | Do. 1887. |
| 417 | $6 \frac{1}{2}$ | 157 | 298 | $6 \times 5$ | $\ldots$ | Do. ... | Do. |
| $41{ }^{\frac{7}{8}}$ | $5^{\frac{1}{4}}$ |  | $25^{\frac{1}{4}}$ | $6 \times 6$ | $\cdots$ | Germany... | British Museum. |
| 4118 | 53 | $15^{\frac{1}{2}}$ | $28 \frac{1}{8}$ | $6 \times 5$ | $\ldots$ | Caucasus ... | H. R. H. Duc d'Orleans. |
| $40 \frac{5}{8}$ | 67 | (single horn) | $\ldots$ | 8 | $\ldots$ | Crimea ... | British Museum. |
| $40 \frac{1}{4}$ | 6 | $18 \frac{1}{8}$ | $28 \frac{1}{1}$ | $6 \times 8$ | $\ldots$ | Hungary ... | Major - Gen. Arthur Ellis, C.S.I., i $\$ 86$. |
| $40 \frac{1}{4}$ | 5 | $20 \frac{3}{4}$ | $27 \frac{3}{8}$ | $7 \times 6$ | ... | $\cdots$... | H.R.H. Duke of Edinhurgh. |
| $39 \frac{5}{8}$ | 517 | $14 \frac{1}{2}$ | $26 \frac{3}{8}$ | $7 \times 7$ | 2611 | Ireland (age 8 years!. | Sir Victor Brooke's Collection, 1886. |
| $39^{\frac{1}{4}}$ | 6 | 30 | $33^{\frac{1}{2}}$ | $6 \times 5$ | ... | Caucasus... | St. George Littledale. |
| *387 | $5{ }^{3}$ | $\ldots$ | $\ldots$ | $5 \times 6$ | $\ldots$ | $\cdots$... | Sir Edmund G. Loder, Bart. |
| $38 \frac{1}{2}$ | $4^{\frac{7}{8}}$ | $22 \frac{1}{2}$ | 31 | $8 \times 8$ | 2311 | Ireland (age Io years). | Sir Victor Brooke's Collection, 188 r. |
| $37^{\frac{3}{8}}$ | 55 | $14^{\frac{3}{4}}$ | $26 \frac{1}{8}$ | $6 \times 7$ | ... | ... ... | H. R. H. Duke of Edinburgh. |
| $38 \frac{1}{8}$ | 5 | $26 \frac{1}{1}$ | 305 | $7 \times 7$ | 25 - | Ireland (age 9 years). | Sir Victor Brooke's Collection, IS84. |
| $37 \frac{1}{4}$ | 6 | $32 \frac{1}{8}$ | $35 \frac{1}{8}$ | $7 \times 8$ | $\ldots$ | Ireland (age 12 years). | Sir Victor Brooke's Collection, 1878 . |

* Cervus barbarus.

RED DEER (Cervus elaphus)-continucd.

|  |  | Tip to Tip. | $\underset{\substack{\text { Widest } \\ \text { spread }}}{\substack{\text { an }}}$ inside. | Points. | Weight. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $37 \frac{1}{4}$ | 5 | 24 | 29 | $7 \times 7$ | st. Ibs. | Caucasus... | H.R.H. Duc d'Orleans. |
| $37 \frac{1}{4}$ | 5 | $14{ }^{\frac{3}{4}}$ | $24 \frac{3}{4}$ | $6 \times 5$ | ... | ... ... | H.R.H. Duke of Edinburgh. |
| 361 | 63 | ... | $32 \frac{1}{2}$ | $9 \times 9$ | $\ldots$ | Wairarapa, N.Z. | J. Handyside. (The Field, Feb. 6, 1891.) |
| $36 \frac{1}{2}$ | $5^{\frac{1}{4}}$ | $19^{\frac{1}{2}}$ | $24 \frac{3}{4}$ | $9 \times 7$ | ... | ... ... | J. Carr Saunders, |
| *361 | $4^{\frac{3}{4}}$ | 227 | $28 \frac{3}{9}$ | $4 \times 4$ | ... | $\cdots$ | British Museum. |
| *363 | 4를 | $17 \frac{1}{2}$ | 255 | $4 \times 4$ | ... | ... ... | Do. |
| 36 | $5{ }^{\frac{1}{2}}$ | 37 | ... | 15 | ... | South Spain | Lord Lilford. |
| 36 | $6 \frac{1}{2}$ | 24 | 30 | $6 \times 6$ | ... | Vaynol Park, | Assheton Smith. |
| $35 \frac{1}{2}$ | $5^{\frac{1}{4}}$ | $26 \frac{1}{2}$ | 323 | $\begin{gathered} 13 \times 11 \\ \text { (perisher) } \end{gathered}$ | ... | Ireland (dug up). | Sir Victor Brooke's Collection. |
| 35 | 6 | 142 | 24 | 6×6 | ... | Vaynol Park, North Wales. | Assheton Smith. |
| 35 | ... | ... | 34 | ıо | 16 I | North Morar | T. W. Gill. (The Field, Dec. 6, 1890.) |
| 35 | 4年 | ... | 30 | 9 | ... | Ireland ... | Hon. A. Charter:s, 1889. |
| $34^{\frac{3}{4}}$ | $5 \frac{3}{4}$ | $20 \frac{1}{4}$ | $27 \frac{3}{4}$ | $7 \times 8$ | ... | Caucasus... | H.R.H. Duc d'Orleans. |
| $34 \frac{5}{8}$ | $5{ }^{\frac{1}{8}}$ | (single horn) | ... | 7 | $\ldots$ | Germany... | British Museum. |
| $34 \frac{1}{2}$ | $5 \frac{1}{8}$ | (shed horns) | ... | $11 \times 9$ | $\cdots$ | Ireland (still alive). | Sir Victor Brooke's Collec tion. |
| $34^{\frac{1}{2}}$ | 5 | $17 \frac{3}{4}$ | $26 \frac{1}{4}$ | $7 \times 7$ | ... |  | J. Carr-Saunders. |
| 343 $\frac{3}{8}$ | $5 \frac{1}{8}$ | $25^{\frac{1}{4}}$ | $29 \frac{3}{8}$ | $8 \times 9$ | 29 o | Ireland (age 8 years). | Sir Victor Brooke's Collection, 1875. |
| $34^{\frac{1}{4}}$ | $4 \frac{1}{8}$ | $16 \frac{1}{4}$ | $24 \frac{3}{8}$ | $5 \times 5$ | ... | Scotland ... | F. Devas. |
| 34 | $4{ }^{\frac{3}{4}}$ | ... | $3^{1 \frac{1}{2}}$ | $6 \times 5$ | 268 | Ireland ... | Ralph Sneyd. |
| 34 | $5{ }^{\frac{1}{4}}$ | 34 | ... | $5 \times 5$ | ... | Cancasus... | H.R.H. Duc d'Orleans. |
| 34 | ... | ... | 3012 | 11 | 172 | North Morar | T. W. Gill. (The Ficld, Dec. 6, I 890. |
| 34 | $4^{\frac{1}{2}}$ | ... | 23 | $6 \times 6$ | ... | ... ... | H. R. H. Comtesse de Pazis. |
| $33{ }^{\frac{3}{4}}$ | 5 | ... | 26 | $5 \times 5$ | ... | Muckross, Ireland. | Hon. Mrs. Bourke. |
| $33 \frac{3}{4}$ | 4 ${ }^{\frac{7}{8}}$ | $14 \frac{1}{2}$ | $21 \frac{3}{4}$ | $7 \times 6$ | ... | ... ... | H. R.H. Duke of Edinburgh |
| $33 \frac{1}{8}$ | $4{ }^{\frac{7}{8}}$ | $17 \frac{5}{8}$ | $24 \frac{1}{2}$ | $4 \times 4$ | ... | Scotland ... | Lord d'Arcy Osborn. |

## RED DEER（Cervus elaphus）－continued．

|  |  | Tip to Tip． | $\begin{aligned} & \text { Widest } \\ & \text { spread } \\ & \text { inside. } \end{aligned}$ | Points． | Weight． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 | $4^{\frac{3}{4}}$ | 267 | 315 | $6 \times 6$ | st．lbs． | Rosshire ．．． | E．Lort Phillips． |
| 33 | 61 | ．．． | 30 | $7 \times 7$ | 29 II | Muckross， Ireland． | Hon．A．Bourke． |
| 33 | $4 \frac{3}{4}$ | 16 | $23^{\frac{1}{2}}$ | $6 \times 6$ | ．．． | Vaynol Park， | Assheton Smith． |
| 32 年 | 4六 | ．．． | 28 | $5 \times 4$ | ．．． | Scotland ．．． | Sir Charles Tennant，Bart． |
| $32 \frac{5}{8}$ | $4 \frac{5}{8}$ | （single horn） | ．．． | 4 | $\cdots$ | ．．．．．． | British Museum． |
| $32 \frac{5}{8}$ | $4 \frac{1}{8}$ | $20 \frac{3}{4}$ | 297 | $5 \times 5$ | ．．． | ．．．．．． | H．R．H．Duke of Edinburgh． |
| $32^{\frac{1}{2}}$ | 6 | ．．． | 32 | $6 \times 6$ | ．．． | Morar ．．． | Capt．Gill．（The Field， Feb．6，1891．） |
| $32 \frac{3}{6}$ | $4 \frac{5}{8}$ | 247 | 317 | $5 \times 5$ | ．．． | ．．．．．． | H．K．H．Duke of Edinburgh． |
| 32 | 5 | ．．． | $22 \frac{1}{2}$ | $5 \times 4$ | 19 － | Scotland ．．． | Sir W．G．Pearce，Bart． |
| $3{ }^{1 \frac{3}{4}}$ | $3{ }^{\frac{3}{4}}$ | ．．． | $26 \frac{1}{2}$ | $4 \times 4$ | ．．． | Do．．．． | Capt．F．Cookson． |
| $3{ }^{1 \frac{3}{4}}$ | $4^{\frac{3}{4}}$ | ．．． | 251 | $6 \times 5$ | ．．． | ．．．．．． | A．Brassey． |
| $3{ }^{1 \frac{1}{2}}$ | 5 | ．．． | 261 | 12 | 17 o | Scotland ．．． | J．F．Laycock． |
| $31 \frac{1}{2}$ | $4{ }^{\frac{3}{4}}$ | ．．． | 28 | $4 \times 3$ | ．．． | Norway ．．． | E．N．Denny． |
| $31 \frac{1}{2}$ | $4^{\frac{1}{2}}$ | ．．． | 263 | $6 \times 4$ | ．．． | Scotland ．．． | Sir W．G．Pearce，Bart． |
| $3{ }^{1 \frac{1}{2}}$ | $4 \frac{1}{2}$ | ．．． | $24 \frac{1}{2}$ | $5 \times 5$ | ．．． | Norway ．．． | H．Seton Karr，M．P． |
| $3^{1 \frac{1}{4}}$ | $4 \frac{1}{8}$ | 16 | $24 \frac{1}{8}$ | $7 \times 5$ | $\ldots$ | Scotland ．．． | Capt．F．Cookson． |
| $31 \frac{1}{4}$ | $4 \frac{5}{8}$ | $24 \frac{7}{8}$ | 32 | $5 \times 3$ | ．．． | Rosshire ．．． | E．Lort Phillips． |
| 31 | 5 | ．．． | $22 \frac{1}{2}$ | 12 | 18 I | Scotland ．．． | J．F．Laycock． |
| 31 | $4{ }^{\frac{1}{4}}$ | ．．． | 261 | $6 \times 4$ | ．．． | Do．．．． | Sir W．G．Pearce，Bart． |
| 31 | $4{ }^{\frac{1}{4}}$ | $\ldots$ | $20 \frac{1}{2}$ | $6 \times 6$ | ．．． | Do． | W．N．Diggle． |
| 31 | 4 | ．．． | $28 \frac{1}{2}$ | 11 | 15 － | Do． | J．F．Laycock． |
| 31 | 4 | ．．． | $24 \frac{1}{2}$ | $4 \times 4$ | ．．． | Do．． | Sir Chas．Tennant，Bart． |
| 308 | $4 \frac{3}{8}$ | $25 \frac{7}{8}$ | $28 \frac{1}{8}$ | $5 \times 6$ | ．．． | Do．．．．． | W．R．Cookson， |
| $30 \frac{3}{4}$ | $4 \frac{5}{8}$ | 157 | $21 \frac{1}{2}$ | $6 \times 6$ | ．．． | Do． | Capt．F．Cookson． |
| $30 \frac{1}{2}$ | $4 \frac{1}{2}$ | ．．． | 20 | $6 \times 6$ | 147 | Do． | J．F．Laycock． |
| $30 \frac{1}{2}$ | 4年 | 25 | $25{ }^{7}$ | $6 \times 4$ | ．．． | ．．． | Col．G．A．Percy． |

## RED DEER（Cervus elaphus）－continued．

|  |  | Tip to Tip． | Widest spread inside． | Points． | Weight． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $30 \frac{1}{2}$ | 41 $\frac{1}{8}$ | 2318 | 265 | $5 \times 5$ | st．lbs． | Scotland ．．． | Capt．F．Cookson． |
| $30 \frac{3}{8}$ | $4 \frac{1}{2}$ | 1418 | $24 \frac{1}{8}$ | $5 \times 5$ | $\ldots$ | Do．．．． | Miss Laycock． |
| $30 \frac{1}{4}$ | $4^{\frac{1}{4}}$ | ．．． | 24 | $6 \times 4$ | ．．． |  | E．N．Buxton，I880． |
| $30 \frac{1}{8}$ | $4^{\frac{1}{4}}$ | （single horn） | $\ldots$ | 9 | $\ldots$ | Germany ．．． | British Museum． |
| 30 | 5 | ．．． | 29 | 12 | 20 o | Norway ．．． | E．M．Denny． |
| 30 | 4t ${ }^{\frac{1}{8}}$ | $25 \frac{1}{8}$ | $28 \frac{7}{8}$ | $4 \times 5$ | ．．． |  | Col．G．A．Percy． |
| $29 \frac{3}{4}$ | $4{ }^{\frac{1}{8}}$ | 215 | $23 \frac{3}{8}$ | $6 \times 6$ | ．．． | Scotland ．．． | J．F．Laycock． |
| 295 | $3 \frac{7}{8}$ | 261 | $28 \frac{3}{8}$ | $6 \times 6$ | ．．． | ．．．．．． | Col．G．A．Percy． |
| $29 \frac{1}{2}$ | $4^{\frac{1}{2}}$ | ．．． | 24 | $4 \times 4$ | 14 I | Scotland ．．． | J．F．Laycock． |
| $29 \frac{3}{8}$ | $4^{\frac{1}{4}}$ | 233 | $27 \frac{1}{2}$ | $5 \times 5$ | ．．． | － | Col．G．A．Percy． |
| $29 \frac{1}{4}$ | $3{ }^{\frac{7}{8}}$ | ．．． | $21 \frac{1}{2}$ | $5 \times 6$ | ．．． | Germany ．．． | British Museum． |
| $29 \frac{1}{8}$ | $5 \frac{1}{4}$ | 245 | $27 \frac{5}{8}$ | $3 \times 4$ | ．．． | Scotland ．．． | Sir William Eden，Bart． |
| 29\％${ }^{\frac{1}{8}}$ | $4 \frac{5}{8}$ | $19^{\frac{1}{2}}$ | $25^{\frac{1}{4}}$ | $5 \times 5$ | ．．． | ．．．．．． | Col．G．A．Percy． |
| 29 | $4^{\frac{1}{2}}$ | ．．． | 24 | $4 \times 4$ | ．．． | Scotland ．．． | W．N．Diggle． |
| 29 | $4{ }^{\frac{1}{4}}$ | ．．． | 29 | $6 \times 5$ | ．．． | Do．．．． | J．F．Laycock． |
| 29 | $3^{\frac{3}{4}}$ | ．．． | $24 \frac{1}{2}$ | $6 \times 4$ | ．．． | Do．．．． | J．E．Wilmot． |
| $28 \frac{3}{4}$ | $3^{\frac{3}{4}}$ | ．．． | 23 | $4 \times 3$ | ．．． | Do．．．． | F．Devas． |
| 281 $\frac{1}{2}$ | $5 \frac{1}{3}$ | $\cdots$ | 29 | $6 \times 6$ | ．．． | Norway ．．． | E．Lee Townshend． |
| $28 \frac{1}{2}$ | $4 \frac{1}{2}$ | ．．． | $24^{\frac{1}{2}}$ | $6 \times 6$ | ．．． | Scotland ．．． | Sir Charles Tennant，Bart． |
| $28 \frac{1}{2}$ | $4{ }^{\frac{1}{2}}$ | ．．． | 22 | $6 \times 5$ | 187 | Do．．．． | Sir W．G．Pearce，Bart． |
| $28 \frac{1}{2}$ | $4{ }^{\frac{3}{8}}$ | $18 \frac{5}{8}$ | 245 | $4 \times 5$ | ．．． | － | H．R．H．Duke of Edinburgh． |
| 28 ${ }^{\text {年 }}$ | $4 \frac{1}{2}$ | 16⿺⿸⿻𠃋丿乚⿱亠乂⿱一𧰨丶丶 | 227 | $5 \times 5$ | ．．． | Scotland ．．． | W．R．Cookson． |
| $28 \frac{1}{8}$ | $4{ }^{\frac{1}{2}}$ | $29 \frac{1}{4}$ | $33 \frac{3}{8}$ | $6 \times 6$ | $\ldots$ | ．．．．．． | Col．G．A．Percy． |
| 28 | 5 | ．．． | 23 | $5 \times 3$ | $17 \quad 7$ | Scotland ．．． | J．F．Laycock． |
| $27 \frac{7}{8}$ | 41 ${ }^{\frac{1}{8}}$ | $17 \frac{5}{8}$ | $23{ }^{\frac{3}{8}}$ | $5 \times 5$ | $\ldots$ | Do．． | Lord D＇Arcy Osborn． |
| $27 \frac{7}{8}$ | 4 | $20 \frac{3}{8}$ | $27 \frac{1}{4}$ | $4 \times 4$ | ．．． | ．．．．．． | E．N．Buxton． |

RED DEER (Cervus elaphus)-continucd.

|  |  | Tip to Tip. | Widest spread inside. | Points. | Weight. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $*_{27} 7$ | 4 | 25 | $25 \frac{3}{8}$ | $4 \times 3$ | . st. lbs. | $\cdots$ | British Museum. |
| 27 | 4 | ... | 23 | $3 \times 4$ | 159 | Scotland ... | F. Devas. |
| 27 | $5^{\frac{1}{2}}$ | $\cdots$ | $30 \frac{7}{8}$ | $7 \times 7$ | ... | Glenquoich | Lord Burton. (The Field, Feb. 6, i89I.) |
| $26 \frac{1}{4}$ | $3^{\frac{3}{t}}$ | $15 \frac{5}{8}$ | $20 \frac{1}{2}$ | $5 \times 6$ | $\cdots$ | Scotland ... | R. H. Helpman. |
| 255ㅜㅎ | $4 \frac{3}{8}$ | $8 \frac{5}{8}$ | $16 \frac{3}{4}$ | $4 \times 4$ | -.. | Do. ... | B. M. Jenkins. |
| 25 ${ }^{\frac{1}{2}}$ | $4^{\frac{1}{2}}$ | -. | 25 | $6 \times 6$ | $15 \quad 2$ | Do. | J. F. Laycock. |
| 251 | $3{ }^{\frac{5}{8}}$ | $15 \frac{1}{4}$ | $18 \frac{5}{8}$ | $7 \times 6$ | $\cdots$ | Do. .... | Capt. F. Cookson. |
| 251 | $3 \frac{5}{8}$ | 20 | 23 告 | $4 \times 4$ | ... | Braemore... | E. N. Buxton, 1869. |
| 25 | $3 \frac{3}{4}$ | ... | $16 \frac{1}{2}$ | $6 \times 5$ | ... | Scotland ... | W. H. Purvis. |
| $24 \frac{3}{}$ | $4 \frac{1}{4}$ | ... | 21 | $5 \times 4$ | ... | Norway ... | J. H. Thomas. |
| 243 | 4 | 17 | 197 | $4 \times 3$ | ... |  | F. H. J. Underwood. |
| $24 \frac{1}{8}$ | $3^{\frac{3}{4}}$ | $19 \frac{1}{1}$ | 215 | $3 \times 3$ | ... | Scotland ... | R. H. Helpman. |
| 24 | $4{ }^{\frac{1}{4}}$ | - | 23 | $6 \times 6$ | 1213 | Do. ... | J. F. Laycock. |
| $23 \frac{1}{4}$ | 312 | $13 \frac{1}{2}$ | $17 \frac{1}{8}$ | $2 \times 31$ |  |  |  |
| $20 \frac{1}{4}$ | $3 \frac{5}{8}$ | extra horn | from fo |  | ... | $\cdots \quad$... | H.R. H. Duke of Edinburgh. |



WAPITI (Cervus canadensis).
Weight-About 7oo lbs. Height at Shoulder-About 16 hands. Habitat-North America.

| Length. |  | Tip to Tip. | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $62 \frac{1}{2}$ | 8. | ... | $48 \frac{1}{2}$ | $7 \times 9$ | North America | Frank Cooper (American Ex hibition Catalogue). |
| 62 | $7 \frac{3}{8}$ | $33^{\frac{1}{4}}$ | $50 \frac{5}{8}$ | $7 \times 7$ | Do. | Ernest Farquhar. |
| $6 \mathrm{I}_{\frac{1}{2}}$ | $7 \frac{1}{2}$ | $\ldots$ | 45 | $6 \times 7$ | Do. | Do. |
| $60 \frac{3}{4}$ | $7 \frac{7}{8}$ | ... | 52 | $6 \times 6$ | Do. | W. A. Baillie-Grohman (American Exhibition Catalogue). |

WAPITI (Cervus canajensis)-continued.

| Length. |  | Tip to Tip. | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $59 \frac{3}{4}$ | $13^{x}$ | $\cdots$ | $\ldots$ | $\cdots$ | North America | Sir Samuel Baker (" Wild Beasts and their Ways"). |
| $59 \frac{1}{2}$ | 81 | $37 \frac{1}{4}$ | 47 | $8 \times 7$ | Nebraska ... | Lieut.-Gen. Hankey. |
| $59^{\frac{1}{2}}$ | $7 \frac{1}{2}$ | $\cdots$ | 45 | $6 \times 6$ | North America | II. Seton-Karr (American Exhilition Catalogue). |
| 583 | 7 | 323 | $38 \frac{1}{4}$ | $6 \times 6$ | Do. | Ernest Farquhar. |
| $58 \frac{1}{2}$ | 9 | ... | $46 \frac{1}{2}$ | $10 \times 7$ | Do. | IIon. T. A. Brassey. |
| $5^{8 \frac{1}{2}}$ | $8 \frac{1}{2}$ | (owner's measurement) | $43 \frac{1}{2}$ | $6 \times 6$ | Do. | J. D. Cobbold. |
| $58 \frac{1}{8}$ | $8 \frac{1}{4}$ | $39 \frac{5}{8}$ | $42 \frac{3}{4}$ | $7 \times 6$ | Do. | Ernest Farquhar. |
| $57^{3}$ | 7 | 47 | $48 \frac{5}{8}$ | $6 \times 6$ | Do. | Hon. Charles Ellis. |
| $57^{\frac{1}{4}}$ | $6 \frac{3}{4}$ | $30 \frac{3}{3}$ | $37 \frac{3}{4}$ | $7 \times 6$ | Do. | Ernest Farquhar. |
| *57 | $7 \frac{7}{8}$ | 49 | 61 | $8 \times 8$ | Do. | Sir Edmund G. Loder, Bart. |
| 57 | $7 \frac{1}{8}$ | $35 \frac{1}{8}$ | $41^{\frac{1}{8}}$ | $6 \times 6$ | Yellowstone Park. | British Museum. |
| 55知 | $7 \frac{5}{8}$ | $43^{\frac{1}{4}}$ | $48 \frac{1}{6}$ | $7 \times 7$ | North America | Hon. Charles Ellis. |
| 55 ${ }^{\frac{1}{2}}$ | $7{ }^{\frac{1}{2}}$ | ... | $48 \frac{3}{}$ | $6 \times 7$ | Do. | Otho Shaw (American Exhibition Catalogue). |
| $55^{\frac{1}{2}}$ | 67 | 33 | 39 | $6 \times 6$ | Do. | British Museum. |
| 55 ${ }^{\frac{1}{2}}$ | $6 \frac{1}{2}$ | 44 | 45 ${ }^{\frac{1}{2}}$ | $6 \times 6$ | Do. | A. H. Pollen (1891). |
| 553 ${ }^{\frac{3}{6}}$ | $7 \frac{1}{8}$ | $46 \frac{1}{4}$ | ... | $6 \times 7$ | Do. | St. George Littledale. |
| $55 \frac{1}{8}$ | $7{ }^{\frac{1}{4}}$ | 415 | ... | $6 \times 6$ | Do. | Hon. Charles Ellis. |
| 55 | $8_{\frac{1}{1}}$ | ... | $41 \frac{1}{4}$ | $6 \times 6$ | Do. | Major Maitland Kirwin (American Exhibition Catalogue). |
| 55 | $7 \frac{1}{8}$ | $\cdots$ | $47 \frac{1}{2}$ | $6 \times 5$ | Do. | E. N. Buston (American Exhibition Catalogue). |
| 55 | 8 | ... | $45^{\frac{1}{2}}$ | $7 \times 6$ | Do. | Major Maitland Kirwin (American Exhibition Catalogue). |
| 55 | 8 | $\cdots$ | 41 | $7 \times 7$ | Do. | Rowland Ward's Collection. |
| 55 | S1 | ... | $41 \frac{1}{4}$ | $6 \times 6$ | Do. | A. Pendarves Vivian (American Exhibition Catalogue). |
| 55 | $6 \frac{1}{2}$ | $\cdots$ | ... | $6 \times 6$ | Do. | Crawford E. Logan. |
| $54 \frac{3}{4}$ | $6 \frac{1}{2}$ | $29 \frac{1}{2}$ | $3^{8 \frac{7}{8}}$ | $6 \times 6$ | Do. | The late J. S. Jameson. |
| $54 \frac{1}{2}$ | $8 \frac{3}{4}$ | - | ... | $6 \times 6$ | Do. | J. D. Cobbold. |
| $54 \frac{1}{2}$ | $\cdots$ | *. | -. | 14 | Do. | P. C. Walker. |

* Weight- $+2 \frac{1}{2} \mathrm{lbs}$. With small frontal.

[^1]
## WAPITI (Cervus canadensis)-continued.

| Length. |  | Tip to Tip. | Widest | Points. | Habitat. | Ourner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $54 \frac{1}{2}$ | $7 \frac{1}{8}$ | ... | $41 \frac{1}{8}$ | $6 \times 6$ | North America | British Museum (American Exhibition Catalogue). |
| $54 \frac{1}{2}$ | 7 | ... | $42 \frac{1}{2}$ | $8 \times 7$ | Do. | S. C. Alexander. |
| $54{ }^{\frac{3}{8}}$ | $6 \frac{1}{3}$ | 383 | $44^{\frac{1}{4}}$ | $7 \times 6$ | Buffalo Fork... | E. N. Buxton. |
| $54^{\frac{1}{4}}$ | 8 | $\cdots$ | $43 \frac{1}{2}$ | $10 \times 10$ | North America | W, A. Tullock (American Exhibition Catalogue). |
| 54 ${ }^{\frac{1}{4}}$ | $7{ }^{\frac{5}{8}}$ | 497 | $\cdots$ | $7 \times 9$ | Do. | Hon. Walter Rothschild. |
| 54 | $7{ }^{\frac{7}{8}}$ | ... | $\cdots$ | $6 \times 6$ | Do. | J. L. Carroll. |
| 54 | $7 \frac{1}{2}$ | ... | ... | $6 \times 7$ | Do. | H. Hadden. |
| 54 | $7{ }^{\frac{1}{4}}$ | ... | 48 | $7 \times 8$ | Do. | Earl of Rosslyn (American Exhibition Catalogue). |
| 54 | $7{ }^{\frac{1}{4}}$ | ... | 48 | $7 \times 8$ | Do. | Moreton Frewen (American Exhibition Catalogue). |
| 54 | ... | $\ldots$ | $\cdots$ | ... | Do. | Capt. F. Cookson. |
| 54 | $\cdots$ | ... | $\cdots$ | 14 | Do. | W. S. Power. |
| 54 | 7 | $\cdots$ | $40 \frac{1}{4}$ | ... | Do. | British Museum (American Exhibition Catalogue). |
| $53 \frac{1}{8}$ | $7{ }^{\frac{3}{4}}$ | $24 \frac{3}{x}$ | $36 \frac{1}{4}$ | $8 \times 8$ | Do. | St. George Littledale. |
| $53 \frac{1}{8}$ | ${ }^{7 \frac{3}{8}} \times$ | 47 | $49^{\frac{3}{4}}$ | $\begin{gathered} 8 \times 7 \\ \text { (palmated) } \end{gathered}$ | Do. | Ford G. Barclay. |
| 53 | 122 ${ }^{\text {² }}$ | ... | ... | -.. | Do. | Sir Samuel Baker ("Wild Beasts and their Ways"). |
| $52 \frac{3}{4}$ | $8 \frac{1}{4}$ | $\cdots$ | 41 | $6 \times 6$ | Do. | Frank Cooper (American Exhibition Catalogue). |
| $52 \frac{3}{4}$ | $7{ }^{\frac{1}{2}}$ | $34 \frac{5}{8}$ | $42 \frac{3}{8}$ | $7 \times 7$ | Do. | St. George Littledale. |
| $52 \frac{1}{2}$ | $7{ }^{\frac{1}{2}}$ | (owner's | ... | 12 | Do. | W. H. Hammersley. |
| $52 \frac{1}{2}$ | $7 \frac{3}{8}$ | , | $37 \frac{1}{1}$ | $6 \times 6$ | Do. | Sir H. Rae Reid, Bart. (American Exhibition Catalogue). |
| $52^{\frac{1}{2}}$ | $6 \frac{1}{2}$ | ... | $34^{\frac{3}{4}}$ | $7 \times 6$ | Do. | Ford G. Barclay. |
| $52 \frac{3}{8}$ | $5{ }^{\frac{3}{4}}$ | 493 | ... | $6 \times 5$ | Do. | Col. Ralph Vivian. |
| 52 | $8 \frac{1}{2}$ | $\cdots$ | $\ldots$ | $6 \times 6$ | Do. | Hon. F. Thellusson. |
| 52 | $6 \frac{1}{2}$ | ... | $\ldots$ | 14 | Do. | Do. |
| 52 | 6 | $37 \frac{3}{4}$ | 40 | $6 \times 6$ | Do. | Capt. F. Cookson. |
| $51 \frac{3}{4}$ | $6 \frac{3}{4}$ | 29 | 387 | $6 \times 6$ | Do. | A. H. Pollen. |
| 515 | $6 \frac{3}{1}$ | 39 | $41 \frac{1}{2}$ | $6 \times 6$ | Del Nord Creek | E. N. Buxton (1884). |

WAPITI（Cervus canadensis）－continued．

| Length． |  | Tip to Tip． | $\begin{aligned} & \text { Widt } \\ & \text { insid. } \end{aligned}$ | Points． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $51 \frac{1}{2}$ | $6 \frac{7}{8}$ | ．．． | ．．． | $6 \times 7$ | North America | J．L．Carroll． |
| 51 | 7 | ．．． | $36 \frac{3}{4}$ | $9 \times 8$ | Do． | J．G．Millais（American Exhibi－ tion Catalogue）． |
| 51 | ．．． | 36 | ．．． | 12 | Do． | W．S．Power． |
| 50흉 | 7妾 | 42 | $48 \frac{1}{4}$ | $7 \times 7$ | Do． | Col．Ralph Vivian． |
| $50 \frac{1}{2}$ | 8 | 39 | 42 | $6 \times 6$ | Do． | S．Lewis． |
| $50^{\frac{1}{2}}$ | $7 \frac{1}{2}$ | 35 | 41 | $6 \times 6$ | Do． | H．S．Somerset． |
| $50 \frac{1}{2}$ | 6 | ．．． | ．．． | 12 | Do． | E．F．Heneage． |
| $50 \frac{1}{2}$ | ．．． | 28 | ．．． | 13 | Do． | W．S．Power． |
| $50^{\frac{1}{4}}$ | $6 \frac{1}{4}$ | ．．． | 43 | $6 \times 6$ | Do． | Gerald Buxton（American Ex－ hibition Catalogue）． |
| 50 | ${ }^{1}$ | ．．． | ．．． | 13 | Do． | T．W．H．Clarke． |
| 50 | 10를 | ．．． | 54 | $6 \times 6$ | Do． | Capt．L．Payne． |
| 50 | $7 \frac{1}{8}$ | ．．． | $47^{\frac{1}{2}}$ | $6 \times 6$ | Do． | J．M．Hanbury（American Ex－ hibition Catalogue）． |
| $49^{\frac{7}{8}}$ | $6 \frac{3}{4}$ | $33 \frac{5}{8}$ | 45 | $6 \times 6$ | Do． | H．R．H．Duke of Edinburgh． |
| 49 妾 | 7 | 32 | $35^{\frac{1}{8}}$ | $7 \times 8$ | Do． | J．Carr－Saunders． |
| 49 䍃 | 67 | 24 | $30 \frac{5}{8}$ | $6 \times 6$ | Do． | Capt．F．Cookson． |
| 498 | $6{ }^{5}$ | $34 \frac{3}{1}$ | 36 宕 | $6 \times 6$ | Do． | Ifugh G．Barclay． |
| $49^{\frac{1}{2}}$ | $7{ }^{3}$ | $45^{\frac{1}{4}}$ | $45^{\frac{1}{4}}$ | $7 \times 7$ | Do． | H．R．H．Duc d＇Orleans． |
| $49 \frac{1}{2}$ | $6 \frac{1}{2}$ | 25 | $30 \frac{1}{2}$ | $6 \times 6$ | Do． | A．H．Pollen． |
| $49 \frac{3}{8}$ | 75 | $33_{8}^{7}$ |  | 10×15 | Do． | Moreton Frewen． |
| $49^{\frac{1}{3}}$ | 61 | ．．． | 45 ${ }^{\frac{1}{2}}$ | 13 | Do． | W．A．Fordham． |
| 49 | ．．． | $35 \frac{1}{2}$ | $46 \frac{1}{4}$ | 12 | Do． | W．S．Power． |
| $48 \frac{5}{8}$ | 7 | $30 \frac{3}{8}$ | $37 \frac{3}{5}$ | $6 \times 7$ | California ．．． | C．Pentland，British Museum． |
| $48 \frac{1}{2}$ | $8{ }_{8}$ | $31 \frac{1}{2}$ | $34 \frac{1}{2}$ | $6 \times 7$ | North America | Hon．Charles Ellis． |
| $48 \frac{1}{2}$ | 6 | 29 | $33^{\frac{1}{4}}$ | $6 \times 7$ | Do． | The late J．S．Jameson． |
| 48 | $11 \frac{1}{2}$ | ．．． | ．．． | 17 | Do． | T．W．H．Clarke． |
| 48 | $10 \frac{1}{2}$ | ．．． | ．．． | 13 | Do． | Do． |

WAPITI (Cervus canadensis)-continucd.

| Length. |  | Tip to Tip. | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $4^{8}$ | $8 \frac{1}{2}$ | ... | $\cdots$ | 12 | North America | Ford G. Barclay. |
| 48 | $7 \frac{3}{4}$ | ... | $\cdots$ | $8 \times 6$ | Do. | Do. |
| 48 | 7 | ... | 4 I | 14 | Do. | Hon. F. Thellusson. |
| 48 | $6 \frac{1}{2}$ | ... | $44^{\frac{1}{2}}$ | 12 | Montana ... | W. A. Fordham. |
| $47^{\frac{3}{4}}$ | $7{ }^{\frac{1}{8}}$ | 31 | $32 \frac{1}{4}$ | $9 \times 9$ | North America | Col. G. A. Percy. |
| $47 \frac{1}{2}$ | 61 | - | 39 | $7 \times 6$ | Do. | Ford G. Barclay (American Exhibition Catalogue). |
| $47^{\frac{1}{4}}$ | $8 \frac{1}{8}$ | $49^{\frac{3}{4}}$ | 51 | $8 \times 12$ | Do. | Moreton Frewen. |
| $47 \frac{1}{8}$ | $7 \frac{1}{4}$ | 40 | 41 | $7 \times 7$ | Do. | Sir Victor Brooke's Collection, I 869. |
| 465 | 7 | 43 | 43 | $9 \times 10$ | North America | Hon. Charles Ellis. |
| $46 \frac{1}{4}$ | $6 \frac{1}{2}$ | $41 \frac{1}{2}$ | 43 | $6 \times 7$ | Do. | A. H. Pollen, |
| $46 \frac{1}{4}$ | 6 | 39 | $39^{\frac{1}{4}}$ | $6 \times 6$ | Montana ... | R. H. Sawyer. |
| $45^{\frac{3}{4}}$ | 7 | ... | $43^{\frac{1}{4}}$ | $7 \times 7$ | Do. ... | Thomas Bate (American Exhibition Catalogue). |
| 455 | 7 | $33 \frac{1}{2}$ | $33 \frac{3}{4}$ | II $\times 9$ | Do. ... | Hon. Charles Ellis. |
| $45^{\frac{1}{2}}$ | $7{ }^{\frac{1}{2}}$ | ... | 26 | $8 \times 6$ | Wyoming ... | Ford G. Barclay. |
| 44 $\frac{1}{2}$ | $6 \frac{1}{2}$ | $27 \frac{3}{4}$ | 315 | $7 \times 7$ | Do. ... | F. J. Horniman, |
| 442 | 6 | ... | ... | $7 \times 7$ | Do. ... | Crawford E. Logan. |
| 44 | 7 | $\cdots$ | $32 \frac{1}{2}$ | $6 \times 7$ | Do. ... | Lord Stradbrooke. |
| $43 \frac{1}{2}$ | 67 | ... | $36 \frac{1}{4}$ | $5 \times 7$ | North America | British Museum. |
| 43 | $6 \frac{3}{4}$ | ... | $50 \frac{1}{4}$ | 12 | Montana ... | W. A. Fordham. |
| 43 | $6 \frac{1}{2}$ | ... | $39 \frac{1}{4}$ | 12 | Wyoming ... | Hon. F. Thellusson. |
| $41 \frac{1}{2}$ | $5^{\frac{1}{4}}$ | $36 \frac{1}{8}$ | $36 \frac{1}{8}$ | $6 \times 6$ | Do. ... | Col. G. A. Percy. |
| $40 \frac{3}{4}$ | 54 | $3^{8 \frac{1}{2}}$ | ... | $6 \times 6$ | ... ... | J. C. L. Knight-Bruce. |
| 35 ${ }^{\frac{5}{8}}$ | $4 \frac{1}{2}$ | 115 | $22 \frac{7}{8}$ | $6 \times 5$ | North America | British Museum. |
| $35^{\frac{1}{2}}$ | $4 \frac{7}{8}$ | 241 | $25 \frac{3}{8}$ | $5 \times 5$ | Do. | Do. |
| 31 | $16 \frac{1}{2}^{x}$ | ... | ... | ... | $\cdots$...... | Frank Cooper. |

[^2]PERSIAN DEER (Cervus maral).

| Length. | Circum- <br> ference. | Tip to <br> Tip. | Widest <br> inside. | Points. | Habitat. | Owner. |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $48 \frac{5}{8}$ | $6 \frac{1}{8}$ | $38 \frac{1}{4}$ | $40 \frac{7}{8}$ | $6 \times 5$ | Altai | $\ldots$ | $\ldots$ | British Museum. |
| $40 \frac{1}{4}$ | $5 \frac{1}{2}$ | $23 \frac{3}{4}$ | $3 \frac{3}{4}$ | $5 \times 5$ | $\ldots$ | $\ldots$ | $\ldots$ | Hume Collection, British Museum. |
| $35 \frac{1}{8}$ | $5 \frac{1}{2}$ | $19 \frac{3}{4}$ | 26 | $5 \times 5$ | $\ldots$ | $\ldots$ | $\ldots$ |  |

KASHMIR STAG, or BARASINGH (Cervus cashmerianus).
This stag is closely allied to the Red Deer.

| Length. | Circum ference | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Widest inside. | Points. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 47 | $6 \frac{3}{4}$ | $21{ }^{\frac{3}{4}}$ | $36 \frac{3}{8}$ | $5 \times 5$ | ... | ... | Sir Edmund G. Loder, Bart. |
| 455 | 6 | $25^{\frac{3}{4}}$ | 36 | $8 \times 8$ | Kashmir | ... | Sir Victor Brooke's Collection. |
| $45{ }^{\frac{7}{8}}$ | 8 | 35 | 41 | $6 \times 6$ | ... ... | ... | Hume Collection, British Muscum. |
| $43{ }^{\frac{7}{8}}$ | 57 ${ }^{\frac{7}{8}}$ | $15 \frac{7}{8}$ | 32 | $5 \times 5$ | ... ... | ... | The Hon. Charles Ellis. |
| $43{ }^{\frac{3}{8}}$ | $6 \frac{1}{2}$ | $25 \frac{3}{8}$ | $36 \frac{1}{2}$ | $\cdots$ | ... ... | ... | Do. |
| $43^{\frac{1}{4}}$ | $6 \frac{1}{2}$ | ${ }^{1} S_{8}^{1}$ | $34^{\frac{1}{2}}$ | $5 \times 5$ | ... ... | ... | Hume Collection, British Museum. |
| 43 | $5{ }^{\frac{7}{8}}$ | $6 \frac{1}{4}$ | $27 \frac{3}{4}$ | $5 \times 5$ | Nepal... | ... | Dr. Falconer, British Museum. |
| 43 | $5{ }^{\frac{7}{8}}$ | $26 \frac{1}{8}$ | 37 | $6 \times 5$ | ... ... | ... | Martyn Kennard. |
| 42 | $5^{\frac{7}{8}}$ | $29 \frac{3}{8}$ | $33^{\frac{1}{2}}$ | $6 \times 5$ | ... ... | ... | British Museum. |
| $41^{\frac{3}{4}}$ | $6 \frac{3}{8}$ | $27 \frac{1}{4}$ | 35 | $6 \times 6$ | ... ... | ... | Martyn Kennard. |
| $41{ }^{\frac{3}{8}}$ | $5^{\frac{3}{4}}$ | $23{ }^{\frac{3}{4}}$ | 33 | $5 \times 5$ | ... ... | ... | R. Lydekker, British Museum. |
| $41 \frac{1}{4}$ | 5렬 | 34 | 49 | $6 \times 5$ | ... ... | ... | C. H. Seeley. |
| $40 \frac{3}{4}$ | $5{ }^{\frac{3}{4}}$ | $15 \frac{3}{8}$ | $3^{1 \frac{1}{4}}$ | $5 \times 5$ | ... ... | .. | Rowland Ward's Collection. |
| $39 \frac{5}{8}$ | $5{ }^{\frac{3}{8}}$ | 20 | $26 \frac{1}{8}$ | $5 \times 5$ | ... ... | ... | British Museum. |
| 39 | $5 \frac{1}{8}$ | $17 \frac{1}{2}$ | $29 \frac{1}{3}$ | $6 \times 5$ | Kashmir | ... | Sir Victcr Brooke's Collection, 1869. |

KASHMIR STAG, or BARASINGH (Cervus cashmerianus)continued.

| Length. | Circum. ference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | $\begin{aligned} & \text { Widest } \\ & \text { inside. } \end{aligned}$ | Points. |  | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $38 \frac{3}{1}$ | $6 \frac{1}{4}$ | 26 | $30 \frac{3}{4}$ | $6 \times 6$ | ... | ... | .. | Hume Collection, British Museum. |
| $37 \frac{7}{8}$ | $5^{\frac{3}{4}}$ | $19 \frac{1}{\frac{1}{4}}$ | $28 \frac{3}{1}$ | $8 \times 7$ | ... | ... | ... | The Hon. Charles Ellis. |
| $36 \frac{1}{2}$ | $5 \frac{5}{8}$ | $21 \frac{1}{2}$ | $25 \frac{3}{8}$ | $7 \times 5$ | ... | ... | ... | British Museum. |
| $36 \frac{3}{8}$ | $4^{\frac{3}{4}}$ | $17 \frac{3}{\text { 星 }}$ | $22 \frac{1}{1}$ | $6 \times 6$ | ... | $\ldots$ | ... | Do. |
| $35^{\frac{1}{8}}$ | $5^{\frac{1}{4}}$ | $23 \frac{3}{8}$ | $30 \frac{1}{2}$ | $5 \times 5$ | $\ldots$ | ... | .. | Dr. Falconer, British Museum. |
| 33 | $4{ }^{\frac{1}{2}}$ | 9 ${ }^{\frac{3}{4}}$ | ... | 9 | ... | ... | ... | Capt. Goulburn. |

## SHOU, or SIKKIM STAG (Cervus affinis).

This is one of the largest deer in Southern Asia, standing sometimes 15 hands, and closely approaches the American Wapiti in the measurements of the horns.

Habitat-Eastern Tibet.

| Length. | Circumference | Tip to Tip. | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $55^{\frac{3}{2}}$ | $6 \frac{1}{2}$ | $17 \frac{1}{ \pm}$ | $40 \frac{3}{8}$ | $7 \times 6$ | ... ... | A. O. Hume, Private Collection. |
| 55 | $8_{\frac{1}{2} \times 9^{\frac{1}{8}} \text {, }}$ | (owner's | $\ldots$ | $6 \times 7$ | ... ... | Lord Northbrooke. |
| $54 \frac{3}{8}$ | $6 \frac{5}{8}$ | 215 | $37 \frac{1}{1}$ | $5 \times 5$ | India ... | Dr. Campbell, British Museum. |
| $53{ }^{\frac{3}{1}}$ | $6 \frac{7}{8}$ | $26 \frac{1}{8}$ | 44 | $5 \times 5$ | Nepal ... | B. H. Hodgson, British Museum. |
| $53^{\frac{1}{1}}$ | $6 \frac{7}{8}$ | 30 | $45^{\frac{3}{2}}$ | $4 \times 5$ | ... ... | Hume Collection, British Museum. |
| 53 | 9 | (owner's | 40 | $5 \times 5$ | Darjeeling | Col. Tanner. |
| 52 | 8 | (shed horns) | ... | ... | ... ... | Rowland Ward's Collection. |
| $48^{7}$ | $6 \frac{1}{2}$ | $19 \frac{3}{8}$ | $38 \frac{1}{8}$ | $5 \times 7$ | ... ... | Sir Edmund G. Loder, Bart. |
| 48 | $6 \frac{1}{8}$ | $29 \frac{1}{2}$ | $41 \frac{1}{2}$ | $6 \times 6$ | ... ... | Hume Collection, Dritish Muscum. |
| $47^{\frac{7}{8}}$ | $5 \frac{5}{8}$ | $30 \frac{3}{5}$ | $40 \frac{1}{2}$ | $5 \times 5$ | North India | British Museum. |
| $43 \frac{3}{7}$ | $5^{\frac{7}{8}}$ | $20 \frac{1}{5}$ | 35 | $6 \times 5$ | ... ... | A. O. Inume, Private Collection. |
| $42 \frac{3}{4}$ | $5^{\frac{7}{8}}$ | 235 | $31 \frac{1}{4}$ | $5 \times 5$ | Nepal ... | British Museum. |
| 4012 | 5 | $39^{\frac{1}{4}}$ | 41 | $5 \times 5$ | North India | B. H. Hodgson, British Museum. |



FALLOW DEER (Cervus dama).
Habitat-Europe.

| Length. | Circumference. | Tip to Tip. | Spread inside. | Points. | Width of Palm. | Habitat |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 213 | $4{ }^{\frac{3}{8}}$ | $\cdots$ | $\cdots$ | II $\times 10$ | 5 | Colebrooke (Irelan | Voods | Sir Victor Brooke's Collection. |
| $28 \frac{3}{8}$ | $4 \frac{1}{8}$ | ... | 26 | $10 \times 8$ | 6 | Do. |  | Do. |
| $27 \frac{3}{8}$ | $3{ }^{\frac{7}{8}}$ | $20 \frac{1}{4}$ | 22, $\frac{1}{2}$ | $10 \times 9$ | $5 \frac{1}{8}$ | Do. |  | Do. |
| $27 \frac{1}{4}$ | 4 | 23 | $\cdots$ | $10 \times 8$ | ... | $\cdots$ | ... | J. Carr-Saunders. |
| 267 | - 3 年 | 12 | $17 \frac{1}{2}$ | $7 \times 10$ | $\ldots$ | $\cdots$... | ... | British Museum. |
| 265 | 4 | $24 \frac{1}{8}$ | -.. | $8 \times 12$ | 5 | Ireland ... |  | Sir Victor Brooke's Collec tion. |
| $25 \frac{1}{2}$ | $\cdots$ | ... | 26 | ... | 5 ${ }^{\frac{1}{4}}$ | England |  | Rowland Ward's Collection. |
| $25^{\frac{3}{8}}$ | $4^{\frac{1}{4}}$ | 26 | $\cdots$ | $8 \times 8$ | $5 \frac{1}{8}$ | Ireland ... | ... | Sir Victor Brooke's Collection. |
| $24 \frac{1}{2}$ | $3 \frac{5}{8}$ | 16 | 197 | II $\times$ II | $\cdots$ | $\cdots$... | ... | British Museum. |
| 191 | $2 \frac{7}{8}$ | $16 \frac{1}{4}$ | $17 \frac{1}{2}$ | $7 \times 5$ | .. | ... $\quad$. | ... | Do. |



IRISH ELK (Cervus giganteus).
(Extinct.)

| $\begin{aligned} & \text { Spread Tip } \\ & \text { to Tip. } \end{aligned}$ | Length round inside of horn. | Circumference above burr. | Width of Palm. | Points. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { ft. in. } \\ & \text { Io } \end{aligned}$ | $\begin{array}{cc} \text { ft. } & \text { in. } \\ 5 & 8 \frac{1}{2} \end{array}$ | $9^{\frac{7}{8}}$ | $19^{\frac{1}{4}}$ | 19 | British Museum. |
| 98 | ... | ... | ... | ... | Rowland Ward's Collection. |
| 95 | ... | ... | 27 | $13 \times 15$ | Sir Edmund G. Loder, Bart. |
| 92 | $\begin{aligned} & \text { I3 } 6 \\ & \text { (of both horns) } \end{aligned}$ | ... | $15^{\frac{1}{2}}$ | (owner's measurement) | Mrs. Graham Lloyd. |
| $811 \frac{3}{4}$ | $6 \mathrm{I}^{\frac{3}{8}}$ | $8 \frac{3}{1}$ | $17 \frac{3}{4}$ | $10 \times 13$ | Hon. Charles Ellis. |
| 8 гс | 1210 | ... | $13 \frac{1}{2}$ | (owner's | Mrs. Graham Lloyd. |
| 76 | $53^{\frac{1}{2}}$ | $8 \frac{5}{8}$ | ... | $10 \times 11$ | Sir Victor Brooke's Collection. |



REINDEER, or CARIBOU (Rangifer tarandus).
Weight of a full-grown Reindecr after gralloching-From 250 lbs. to 350 lbs .

Habitat-Europe, Asia, and America.

| Length. | Circumference. | $\begin{gathered} \text { Tip to } \\ \text { Tip. } \end{gathered}$ | Widest inside. | Points. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60 | $5 \frac{5}{8}$ | $38 \frac{5}{8}$ | $41 \frac{1}{8}$ | $15 \times 22$ | ... ... | ... | Sir Victor Brooke's Collection. |
| $57 \frac{5}{8}$ | $5^{\frac{1}{4}}$ | $13 \frac{3}{8}$ | $\cdots$ | $13 \times 7$ | Arctic Regions | ... | British Muscum. |
| $57^{\frac{1}{8}}$ | 5 | $35^{\frac{1}{4}}$ | ... | $8 \times 10$ | $\cdots$ | $\ldots$ | Do. |
| $54 \frac{3}{8}$ | $4^{\frac{7}{8}}$ | $20 \frac{1}{4}$ | ... | I $1 \times 13$ | North America | ... | Capt. Sir J. Franklin, Mitish Museum. |
| $51 \frac{3}{8}$ | $4^{\frac{7}{8}}$ | $40^{\frac{7}{8}}$ | $48^{3}$ | $17 \times 14$ | $\cdots$ | ... | Sir Edmund G. Loder, Bart. |
| $50 \frac{3}{8}$ | $4^{7}$ | 24 | $\begin{gathered} 29 \\ \text { (outside) } \end{gathered}$ | $13 \times 16$ | ... ... | ... | H.R. H. Duke of Edinburgh. |
| 49 | $4^{\frac{1}{8}}$ | $24 \frac{5}{8}$ | $32 \frac{3}{5}$ | $7 \times 9$ | ... -.. | ... | Hon. Walter Rothschild. |
| 48 | $6 \frac{1}{2}$ | 117 | $25 \frac{1}{2}$ | $15 \times 17$ | ... $\quad$. | ... | Sir Edmund G. Loder, Bart. |

REINDEER, or CARIBOU (Rangifer tarandus)-continucid.

| Length. | Circum- ference. | $\begin{gathered} \text { Tip to } \\ \text { Tip. } \end{gathered}$ | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 473 | 5 $\frac{1}{8}$ | $32 \frac{1}{8}$ | ... | $12 \times 19$ | North America ... | A. Murray, British Museum. |
| 47 | $5{ }^{\frac{1}{2}}$ | $\cdots$ | $34 \frac{1}{1}$ | ... | $\ldots$... | E. D. Gosling. |
| $46 \frac{1}{4}$ | $5 \frac{3}{8}$ | 293 | ... | $15 \times 15$ | ... ... ... | British Museum. |
| 46 | $4{ }^{\frac{1}{2}}$ | $\ldots$ | 34 | $\cdots$ | ... ... ... | Hon. A. Broderick. |
| 457 ${ }^{\frac{7}{8}}$ | 6 | 10 | ... | $20 \times 27$ | ... ... ... | British Museum. |
| 451 | $5 \frac{3}{8}$ | $34 \frac{3}{8}$ | ... | $23 \times 16$ | ... | Do. |
| $43^{\frac{3}{4}}$ | 5 $\frac{3}{8}$ | 40 | $41^{\frac{7}{8}}$ | $16 \times 11$ | Newfoundland ... | St. George Littledale, 1 \$76. |
| $42^{\frac{1}{2}}$ | $7 \frac{1}{4}$ <br> ${ }_{7}^{7 \frac{1}{4}}$ <br> lon | $33^{\frac{1}{4}}$ w antler g, 6 in . | $\begin{array}{r} 38 \frac{1}{2} \\ 17 \frac{1}{2} \frac{12}{2 n} . \end{array}$ wide) | (Owner's measurement) | ... ... ... | R. Gordon Smith. |
| 42 | $6 \frac{1}{2}$ | , | 188 | 33 | Alaska ... | Earl of Lonsdale. |
| $4{ }^{1 \frac{1}{4}}$ | $4 \frac{1}{8}$ | $\cdots$ | $28 \frac{3}{8}$ | $8 \times 6$ | ... ... ... | Col. G. A. Percy. |
| $41 \frac{1}{8}$ | $4^{\frac{3}{4}}$ | $\cdots$ | 241 | $12 \times 9$ | ... ... ... | W. D. James. |
| $4{ }^{1}$ | $\cdots$ | $\ldots$ | ... | ... | Alaska ... | Earl of Lonsdale. |
| $40^{3}$ | $4^{\frac{1}{2}}$ | $20 \frac{1}{2}$ | 281 | $17 \times 14$ | ... ... ... | J. Carr Saunders. |
| 40 | $6 \frac{3}{8}$ | $20 \frac{3}{4}$ | ${ }_{(1 n}$ | $13 \times 14$ | Hudson Bay | British Museum. |
| $39 \frac{1}{8}$ | 4 | 16 | velvet) | $13 \times 13$ | North America ... | Do. |
| 39 | 55 | ... | $23 \frac{1}{7}$ | $14 \times 17$ | $\ldots$... $\quad$. | Sir Victor Brooke's Collection. |
| 383 | $4^{\frac{7}{8}}$ | $15 \frac{3}{8}$ | 193 | $10 \times 4$ | ... ... ... | J. Carr Saunders. |
| $38^{\frac{3}{4}}$ | 4 | $25^{\frac{1}{4}}$ | ... | $7 \times 5$ | Norway... ... | C. Ingram, British Museum. |
| $33^{\frac{3}{8}}$ | $5 \frac{3}{8}$ | $21 \frac{3}{1}$ | $30 \frac{1}{8}$ | $16 \times 16$ | ... ... ... | Sir James Anderson. |
| 38 | $5^{\frac{1}{2}}$ | $21 \frac{1}{2}$ | ... | $15 \times 13$ | Norway ... ... | W. H. Ingram, British Museum. |
| $37 \frac{7}{8}$ | $4^{\frac{7}{8}}$ | 315 | $\cdots$ | $14 \times 17$ | ... ... ... | British Museum. |
| $37 \frac{3}{\text { 年 }}$ | $4^{\frac{7}{8}}$ | $2 I^{\frac{3}{8}}$ | ... | $12 \times 10$ | ... ... ... | Do. |
| $37 \frac{5}{8}$ | $5^{\frac{1}{4}}$ | $18 \frac{1}{4}$ | $25 \frac{1}{3}$ | $18 \times 12$ | ... ... ... | F. J. Horniman. |
| $37 \frac{1}{\frac{1}{2}}$ | $5 \frac{1}{2}$ | $\ldots$ | 29 | $\cdots$ | ... ... ... | Otho Shaw (American Exhilition Catalogue). |
| $37^{\frac{1}{4}}$ | $5 \frac{5}{8}$ | $\ldots$ | 24 | 27 | ... ... ... | Licut. Wm. 'Tait. |
| 363 | $3 \frac{3}{7}$ | $13^{\frac{1}{4}}$ | ... | $7 \times 9$ | North America ... | Capt. Sir J. Franklin, Britisl Museum. |
| $36 \frac{1}{4}$ | 57 | $24 \frac{3}{8}$ | ... | $14 \times 15$ | ... ... ... | Bidish Mascum. |

REINDEER, or CARIBOU (Rangifer tarandus)-continucd.

| Length. | Circum ference | $\begin{gathered} \text { Tip to } \\ \text { Tip. } \end{gathered}$ | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 | $6 \frac{3}{8}$ | 17 | $\ldots$ | $19 \times 13$ | Nova Scotia | J. Florence, British Museum. |
| 36 | $4^{\frac{1}{2}}$ | ... | 30 | ${ }^{\cdots}$ | $\cdots \quad \cdots$ | Otho Shaw (American Exhibition Catalogue). |
| $34{ }^{\frac{7}{8}}$ | $5{ }^{5}$ | 23 | ... | $18 \times 16$ | Arctic Regions ... | British Museum. |
| $34^{\frac{3}{4}}$ | 4 | $12{ }^{\frac{3}{4}}$ | ... | $17 \times 11$ | ... ... ... | Do. |
| $34 \frac{1}{2}$ | 5 | $21 \frac{1}{2}$ | ... | $18 \times 15$ | North America ... | A. Murray, British Museum. |
| $34 \frac{1}{2}$ | $4{ }^{\frac{3}{8}}$ | $12 \frac{3}{8}$ | $19 \frac{1}{2}$ | $10 \times 13$ | Do. | Capt. F. Cookson. |
| $32 \frac{3}{4}$ | $3^{\text {足 }}$ | 315 | ... | $3 \times 14$ | Northern Europe. | British Museum. |
| 32 | $3 \frac{1}{8}$ | $18 \frac{1}{4}$ | ... | $7 \times 8$ | North America ... | Do. |
| $3 \mathrm{I} \frac{3}{8}$ | $4{ }^{\frac{3}{4}}$ | ... | $23 \frac{1}{2}$ | $11 \times 10$ | ... ... ... | F. J. Horniman. |
| $30 \frac{1}{2}$ | $4{ }^{\frac{1}{4}}$ | 19 | $23 \frac{1}{2}$ | $7 \times 9$ | Newfoundland | St. George Littledale, 1876. |
| $29 \frac{1}{4}$ | $3 \frac{3}{8}$ | $20 \frac{3}{8}$ | ... | $7 \times 10$ | ... ... ... | E. N. Buxton, 1867. |
| $28 \frac{1}{2}$ | $3 \frac{3}{8}$ | 27 | ... | $6 \times 10$ | North America ... | Capt. Sir J. Franklin, Brilish Museum. |
| $28 \frac{1}{1}$ | $4{ }^{\frac{3}{8}}$ | $13 \frac{1}{8}$ | 213 | $12 \times 11$ | Do. | Capt. F. Cookson. |
| $24 \frac{1}{1}$ | 3 | $12 \frac{1}{2}$ | ... | $4 \times 4$ | Hudson Bay | British Museum. |
| $23^{\frac{1}{4}}$ | $3^{\frac{3}{8}}$ | $14 \frac{5}{8}$ | ... | $11 \times 11$ | ... ... ... | Do. |
| $2 \mathrm{I}_{\frac{1}{4}}^{1}$ | $2 \frac{1}{2}$ | $12 \frac{5}{8}$ | ... | $11 \times 14$ | North America ... | Capt. Sir J. Franklin, Bitish Museum. |
| $19 \frac{1}{4}$ | $3^{\frac{1}{8}}$ | $22 \frac{1}{8}$ | ... | $5 \times 5$ | ... ... ... | British Museum. |



ELK, or, MOOSE (Alces machlis).
Weight-About goo lbs.
Habitat-Northern Europe and North America.

| Length tolongest tine | Circumference above burr. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Greatest width. | Breadth of Palm. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 397 | 631 | $\ldots$ | $51 \frac{3}{6}$ | $15 \frac{3}{4}$ | $12 \times 13$ | $\ldots$ | British Museum. |
| $39^{\frac{1}{2}}$ | S $\frac{1}{2}$ | ... | $39 \frac{1}{2}$ | $13^{\frac{3}{4}}$ | ... | N. America | Otho Shaw (American Ex hibition Catalogue). |
| $39^{\frac{1}{4}}$ | $7 \frac{5}{8}$ | $33 \frac{1}{2}$ | $49 \frac{1}{8}$ | $11 \frac{1}{2}$ | $10 \times 12$ | Do. | J. Carr-Saunders. |
| $39 \frac{1}{3}$ | 75 | $36 \frac{1}{4}$ | $51 \frac{3}{4}$ | $9^{\frac{1}{2}}$ | $7 \times 8$ | Do. | J. C. L. Knight Bruce. |
| 39 | $8_{\frac{1}{4}}$ | $3{ }^{3 \frac{1}{2}}$ | 57 | $12 \frac{1}{2}$ | $15 \times 12$ | Do. | Sir Edmund G. Loder, Bart. |
| $38 \frac{1}{2}$ | 7 | $\cdots$ | $52 \frac{7}{8}$ | $10 \frac{7}{8}$ | $10 \times 11$ |  | British Museum. |
| $33^{\frac{1}{4}}$ | $6 \frac{1}{8}$ | 34 | $49^{\frac{1}{2}}$ | $9 \frac{3}{4}$ | $9 \times 9$ | N. America | Sir Victor Brooke's Collection. |
| $3^{8}$ | $6 \frac{1}{2}$ | $\cdots$ | $59^{\frac{1}{4}}$ | $9^{\frac{3}{4}}$ | II $\times$ II |  | H. R. H. Duke of Edinburgh. |
| $37 \frac{3}{4}$ | 8 | ... | $51 \frac{1}{2}$ | $11 \frac{1}{4}$ | $14 \times 13$ | N. America | F. Ashby. |
| $37 \frac{1}{2}$ | ... | $\ldots$ | $49^{\frac{1}{2}}$ | 20 |  | Do. | Rowland Ward's Collection. |
| $37 \frac{1}{4}$ | $7 \frac{1}{8}$ | 35 | $50 \frac{5}{8}$ | 115 | $13 \times 10$ | $\ldots$... | Hon. Charles Ellis. |
| $37^{\frac{1}{4}}$ | $6 \frac{7}{8}$ | ... | $43^{\frac{3}{4}}$ | 83 | $\underline{I I} \times 9$ | .. | British Museum. |
| $36 \frac{3}{4}$ | $6 \frac{7}{8}$ | $\cdots$ | 47\% | $10 \frac{1}{2}$ | $8 \times 8$ | $\cdots$ | Do. |
| 365 | 63 | ... | $46 \frac{7}{8}$ | I I | $12 \times 10$ | ... | Do. |

ELK, or MOOSE (Alces machlis)-continucd.

| $\begin{aligned} & \text { Length } \\ & \text { tolong- } \\ & \text { test tine. } \end{aligned}$ | Circumference above burr. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Greatest | $\begin{aligned} & \text { Breadth } \\ & \text { of Palm. } \end{aligned}$ | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $34{ }^{\frac{1}{2}}$ | $6 \frac{5}{8}$ | ... | $51 \frac{1}{2}$ | 98 | $11 \times 12$ | ... ... | British Museum. |
| $34^{\frac{1}{4}}$ | 65 | 42 | $51 \frac{1}{8}$ | $9 \frac{1}{2}$ | IO× 9 | ... | G. Marchetti. |
| $34^{\frac{1}{4}}$ | $6 \frac{3}{8}$ | $\ldots$ | 47 ${ }^{\frac{1}{2}}$ | $9{ }^{\frac{3}{4}}$ | $13 \times 11$ | ... ... | British Museum. |
| 32 | $6 \frac{7}{8}$ | $\ldots$ | $43 \frac{3}{\frac{3}{8}}$ | 912 | $7 \times 8$ | Russia ... | Sir Edward Caley, British Museum. |
| 315 | $6 \frac{1}{2}$ | $\ldots$ | 385 | $7{ }^{\frac{7}{3}}$ | $6 \times 5$ | ... ... | British Museum. |
| $31 \frac{1}{2}$ | ... | $\ldots$ | $51 \frac{1}{2}$ | $12 \frac{1}{2}$ | ... | N. America | Earl of Lonsdale. |
| 31 | $6 \frac{1}{2}$ | ... | $42^{\frac{1}{2}}$ | 812 | $10 \times 9$ | ... ... | F. J. Horniman. |
| $30 \frac{1}{2}$ | (owner's measurement) | 40 | 44 | $8 \frac{3}{8}$ | 17 | Norway ... | Thomas Bate. |
| $30 \frac{1}{8}$ | $7^{\frac{1}{8}}$ | $29 \frac{1}{2}$ | $44^{\frac{1}{4}}$ | 10 | $8 \times 9$ | ... ... | Sir Victor Brooke's Collection. |
| $29 \frac{3}{4}$ | 6 | ... | $40 \frac{1}{8}$ | 812 | $8 \times 8$ | ... ... | British Museum. |
| 295 | $6 \frac{1}{8}$ | $\ldots$ | 45 | $9{ }^{\frac{3}{5}}$ | $10 \times 9$ | ... ... | F. J. Horniman. |
| $29 \frac{1}{4}$ | 7 | $\ldots$ | 40 | $5^{\frac{1}{8}}$ | $6 \times 5$ | ... ... | British Museum. |
| 29 | $7{ }^{\frac{1}{2}}$ | ... | $43^{\frac{1}{2}}$ | $10 \frac{1}{2}$ | 24 | Norway ... | P. C. Walker. |
| $28 \frac{3}{4}$ | $7 \frac{3}{8}$ | 35 | 497 | $12 \frac{1}{2}$ | II $\times 11$ | ... ... | Hon. Charles Ellis. |
| $2 S_{\frac{1}{2}}$ | $6 \frac{3}{4}$ (owner's | $3^{1 \frac{1}{2}}$ | $40 \frac{1}{2}$ | $9{ }^{\frac{3}{8}}$ | If $\times 11$ | Norway ... | Thomas Bate. |
| 28 | ${ }^{\text {mea }}$ meas (owner's | $34 \frac{1}{2}$ | 4212 | $\cdots$ | 16 | Do. | Do. |
| $27 \frac{5}{8}$ | $\underset{5}{5^{\frac{3}{2}}}$ | 30 | $40 \frac{7}{8}$ | $7 \frac{3}{8}$ | $8 \times 7$ | N. America | Capt. F. Cookson. |
| $27 \frac{1}{2}$ | ... | ... | $49 \frac{1}{2}$ | $10 \frac{1}{2}$ | ... | Do. | Earl of Lonsdale. |
| $27 \frac{3}{8}$ | 61 | $24^{\frac{3}{4}}$ | $37 \frac{8}{8}$ | 7 | $6 \times 6$ | Do. | J. C. L. Knight Bruce. |
| 267 | (single horn) | ... | $\cdots$ | $7 \frac{1}{8}$ | $\cdots$ | .. | British Museum. |
| $26 \frac{5}{8}$ |  | $\ldots$ | $45 \frac{1}{8}$ | $3{ }^{\frac{3}{9}}$ | $5 \times 5$ | ... | Do. |
| $26 \frac{1}{8}$ | 61 | ... | $39 \frac{3}{8}$ | $6 \frac{7}{8}$ | $5 \times 4$ | S. Russia... | Do. |
| 25 | 6 | $\ldots$ | $44 \frac{1}{2}$ | ... | 22 | Norway ... | Major Sulivan. |
| $23^{\frac{1}{2}}$ | $5^{\frac{3}{4}}$ | ... | $35^{\frac{3}{4}}$ | 57 ${ }^{\frac{7}{8}}$ | $5 \times 3$ | Tydal ... | E. N. Buxton, 1886. |
| 23 | ... | ... | $28 \frac{1}{2}$ | 8 | ... | Norway ... | H. C. Hambro. |
| $19 \frac{3}{4}$ | 53 ${ }^{\frac{1}{2}}$ | $\ldots$ | $37 \frac{3}{4}$ | 7 | $6 \times 7$ | ... | E. N. Buxton. |
| 16 | ... | $\ldots$ | 29 | 5 | ... | Norway ... | H. C. Hambro. |

ROE DEER (Capreolus caprea).
Habitat-Europe and Western Asia.

| Length. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. |  |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97 | $3{ }^{\frac{3}{4}}$ | $5^{\frac{3}{4}}$ | Kirdels Wood, Ireland |  |  | Sir Victor Brooke's Collection, ISSo. |
| 97 | 5 | 5 | Dorsetshire |  |  |  |
| $9^{\frac{1}{2}}$ | $3^{\frac{1}{4}}$ | $3 \frac{1}{8}$ |  |  |  | Sir Victor Brooke's Collection, ISSo. Do. <br> IS75. |
| $9^{\frac{1}{4}}$ | 3 | $7 \frac{3}{8}$ | Easter EIchies |  |  |  |
| 9 | 4 | $4{ }^{\frac{1}{2}}$ | ... ... | $\cdots$ | ... | Rowland Ward's Collection. |
| $8 \frac{1}{2}$ | 3 (malformed) | $5 \frac{7}{3}$ | Nairnshire | ... | ... | Earl Cawdor, British Museum. |
| 812 | 3 | $4{ }^{\frac{1}{2}}$ | France | ... | ... | British Museum. |
| $8_{\frac{1}{2}}$ | $3{ }^{\frac{1}{4}}$ | $4 \frac{1}{8}$ | Westphalia | ... | $\cdots$ | Do. |
| S | 4 | $3 \frac{3}{ \pm}$ | Inverness | . | ... | Sir Victor Brooke's Collection. |
| $6 \frac{7}{8}$ | 3 | 6 | Dorset | ... | ... | J. Fraser |
| $4^{\frac{1}{4}}$ | $2 \frac{1}{4}$ (velvet) | $4^{\frac{1}{2}}$ | Astrabad | ... | ... | Col. Beresford Lovett, Brit. Museum. |

## SIBERIAN ROE DEER (Capreolus pygargus).

Habitat-Siberia.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $13^{\frac{3}{4}}$ | 3 | 6 | Asia ... ... ... | British Museum. |
| $13 \frac{1}{4}$ | 4 | 87 | South Manchuria ... | H. E. M. James, British Museum. |
| $11 \frac{3}{8}$ | 4 | $8 \frac{1}{8}$ | China ... ... ... | British Museum. |
| $8 \frac{7}{8}$ | $3{ }^{3}$ | $7 \frac{5}{8}$ | Siberia ... ... | Do. |

LONG-TAILED DEER (Cariacus leucurus).

| Length. | Circum. <br> ference. | Tip to <br> Tip. | Widest <br> inside. | Points. | Habitat. | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $25 \frac{1}{4}$ | $4 \frac{3}{4}$ | $12 \frac{7}{8}$ | $17 \frac{7}{8}$ | $11 \times 9$ | $\ldots$ | $\ldots$ | British Museum. |
| $23 \frac{1}{2}$ | $4 \frac{1}{4}$ | $2 \frac{5}{8}$ | 13 | $8 \times 9$ | $\ldots$ | $\ldots$ | Do. |
| $20 \frac{1}{8}$ | $3 \frac{3}{4}$ | 10 | $14 \frac{1}{2}$ | $11 \times 7$ | $\ldots$ | $\ldots$ | Do. |
| $16 \frac{7}{8}$ | $3 \frac{1}{8}$ | $9 \frac{3}{8}$ | $13 \frac{5}{8}$ | $4 \times 3$ | $\ldots$ | $\ldots$ | Do. |



VIRGINIAN or WHITE-TAILED DEER
(Cariacus virginianus).

## VIRGINIAN or WHITE-TAILED DEER (Cariacus virginianus).

Weight-About I8o lbs.
Habitat-North America from the Atlantic to the Pacific, extending into British Columbia in the North and Mexico in the South.

| Length. | Circum ference | Tip to Tip. | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $27 \frac{5}{8}$ | $5{ }^{\frac{3}{8}}$ | (single horn) | ... | 16 | North America | British Museum. |
| $27 \frac{1}{8}$ | $4{ }^{\frac{3}{8}}$ | $14^{\frac{1}{4}}$ | 19 | $6 \times 6$ | Do. | Do. |
| 253 | 4六 | 9 | 19 | 11. | Do. | H. S. Wellcome. |
| $25 \frac{3}{8}$ | 45 | $10 \frac{3}{8}$ | 19 | $13 \times 15$ | Texas ... . ... | Capt. F. Cookson. (See Illustration.) |
| $24 \frac{7}{8}$ | 5 | (single horn) | ... | 19 | North America | British . Museum, |
| $24 \frac{1}{2}$ | $44^{\frac{1}{2}}$ | $12 \frac{3}{8}$ | $18 \frac{1}{2}$ | $6 \times 6$ | Do. | J. Carr-Saunders. |
| $24 \frac{1}{2}$ | $4 \frac{1}{8}$ | $11 \frac{1}{8}$ | $19 \frac{1}{2}$ | $6 \times 6$ | Do. | British Museum. |
| 24 | $4^{\frac{1}{2}}$ | $14^{\frac{1}{2}}$ | $19 \frac{7}{8}$ | $10 \times 6$ | ... | Do. |
| $22 \frac{3}{4}$ | $5 \frac{5}{8}$ | $8 \frac{1}{4}$ | $16 \frac{7}{8}$ | $16 \times 19$ | North America | Do. |
| $21 \frac{1}{2}$ | $3 \frac{3}{7}$ | $7{ }^{\frac{1}{4}}$ | $16 \frac{3}{8}$ | $7 \times 5$ | Wisconsin ... | Do. |
| 21 | $3{ }^{\frac{7}{8}}$ | $7{ }^{\frac{1}{2}}$ | $14 \frac{1}{2}$ | $4 \times 4$ | North America | Do. |
| 205 | $3{ }^{\frac{7}{8}}$ | $4{ }^{\frac{3}{4}}$ | $14 \frac{3}{8}$ | $4 \times 5$ | Do. | Do. |
| $20 \frac{1}{2}$ | $4 \frac{1}{8}$ | $9 \frac{5}{8}$ | $15 \frac{3}{4}$ | $5 \times 6$ | Do. | Do. |
| 193 | 41 $\frac{1}{8}$ | $7{ }^{\frac{5}{8}}$ | $17 \frac{3}{8}$ | ... | Do. | F. J. Horniman. |
| $19 \frac{1}{2}$ | 4 | ... | $19 \frac{3}{4}$ | 12 | Do. | H. S. Wellcome. |
| 187 | $3 \frac{1}{2}$ | $8 \frac{1}{8}$ | $14 \frac{1}{2}$ | $6 \times 5$ | Do. | Sir Victor Brooke's Collection. |
| $17{ }^{\frac{3}{4}}$ | $4 \frac{3}{4}$ | ... | ... | $27 \times 25$ | Do. | Moreton Frewen. |
| $16 \frac{3}{4}$ | $4{ }^{\frac{1}{4}}$ | $3^{\frac{3}{9}}$ | $12 \frac{5}{8}$ | $5 \times 4$ | Do. | British Museum. |
| $15 \frac{1}{2}$ | $3{ }^{\frac{7}{8}}$ | 4 | $11 \frac{3}{8}$ | $5 \times 6$ | Do. | Do. |
| $13{ }^{\frac{1}{4}}$ | 5 | $3{ }^{\frac{3}{8}}$ | 63 | $5 \times 6$ | Do. | Capt. Townley Parker. |

## MEXICAN DEER

## (Cariacus mexicanus; Cervus paludosus; Blastoceros paludosus).

[Sir Victor Brooke, P.Z.S. 1878, p. 920.]


| Length. | Circum- | $\begin{aligned} & \text { Tip to } \\ & \text { Tipp. } \end{aligned}$ | Widest | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| *23雱 | $5 \frac{1}{8}$ | $15 \frac{3}{1}$ | $16 \frac{1}{4}$ | $4 \times 5$ | South America | British Museum. |
| $23^{\frac{1}{m}}$ | 6 | ... | $19 \frac{1}{2}$ | 12 | Do. | G. R. Stuart. |
| $\dagger$ 22 ${ }^{\frac{5}{8}}$ | $6 \frac{1}{4}$ | 20 | $20 \frac{1}{2}$ | $5 \times 5$ | Brazil ... ... | Sir Victor Brooke's Collection. |
| * $211 \frac{1}{4}$ | $7 \frac{1}{8}$ | $9{ }^{5}$ | 16 | $4 \times 3$ | South America | British Museum. |
| *I S $_{8}$ | $5^{\frac{1}{2}}$ | $20 \frac{5}{8}$ | $\ldots$ | $4 \times 5$ | Do. | Do. |
| ${ }^{1} 7^{\frac{1}{2}}$ | $4{ }^{\frac{1}{4}}$ | ... | ${ }^{1}$ | 10 | Do. | Hon. Walter Rothschild. |
| $13 \frac{5}{8}$ | $3{ }^{\frac{3}{8}}$ | 67 | 113 | $3 \times 3$ | Mexico ... | British Museum. |
| ${ }^{*} 3^{\frac{1}{2}}$ | $4 \frac{3}{4}$ | 15 | ... | $4 \times 4$ | South America | Do. |
| 8 ${ }_{\text {2 }}$ | $2 \frac{1}{8}$ | $4{ }^{\frac{3}{4}}$ | 68 | $3 \times 4$ | Mexico ... | Sir Victor Brooke's Collection. |



BLACK－TAILED DEER（Cervus columbianus）． Weight－About 200 lbs ．
Habitat－California，Oregon，Washington，and along the Pacific Coast．

| Length． | Circum－ ference． | Tip to Tip． | Widest inside． | Points． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 285 | $4^{\frac{1}{2}}$ | $13 \frac{1}{4}$ | $17 \frac{3}{\text { \％}}$ | $5 \times 5$ | ．．．．．．．．． | F．G．Barclay． |
| 27 | $5^{\frac{1}{4}}$ | $19 \frac{1}{2}$ | 21 每 | $6 \times 5$ | North America | Sir Edmund G．Loder，Bart． |
| $26 \frac{1}{8}$ | $4 \frac{1}{8}$ | $15^{\frac{7}{8}}$ | $22 \frac{7}{8}$ | $6 \times 6$ | Wyoming ．．． | Capt．F．Cookson． |
| 26 | $5^{\frac{1}{4}}$ | ．．． | 26 | $10 \times 10$ | $\cdots \quad . .$. | Wm．Marr． |
| 26 | ．．． | ．．． | 18 | 7 | $\cdots$ ．．．$\quad$. | W．S．Power． |
| 25 ${ }^{\frac{1}{2}}$ | $5{ }^{\frac{1}{2}}$ | ．．． | $21 \frac{1}{2}$ | 8 | $\cdots$ ．．．$\quad .$. | P．C．Walker． |
| $25 \frac{3}{8}$ | $4 \frac{1}{8}$ | 19 | 20 | $5 \times 5$ | $\cdots$ ．．．$\quad$. | C．H．Pollen． |
| 251 | ．．． | ．．． | 18 | ro | $\cdots \quad \cdots \quad$ ．．． | W．S．Power． |
| 25 | $4 \frac{1}{2}$ | ．．． | 23 | 10 | $\cdots$ ．．．${ }^{\text {．．．}}$ | C．P．S．Porter． |
| $24 \frac{1}{2}$ | $5^{\frac{1}{2}}$ | ．．． | 25 | 10 | $\cdots$ ．．．$\quad .$. | T．W．H．Clarke． |
| $24^{\frac{1}{2}}$ | 5 | ．．． | 19 | 10 | $\cdots \quad \cdots \quad \cdots$ | W．G．Rathbone． |
| 24⿺𠃊⿳亠丷厂彡 | 5 | ．．． | 18 | 12 | $\cdots \quad \cdots \quad$ ．．． | Capt．F．Cookson． |
| 242 ${ }^{\frac{1}{2}}$ | $5^{\frac{1}{4}}$ | $\ldots$ | 2313 | 10 | ．．．．．．．．． | H．S．Wellcome． |
| $24 \frac{1}{8}$ | $4^{\frac{1}{4}}$ | $21 \frac{3}{6}$ | $23 \frac{1}{2}$ | $5 \times 5$ | $\cdots \quad . .$. | J．Carr－Saunders． |
| 24 | $5^{\frac{1}{2}}$ | ．．． | $\cdots$ | $8 \times 5$ | $\cdots$ ．．． | F．G．Barclay． |
| $23 \frac{1}{2}$ | ．．． | ．．． | $15 \frac{1}{2}$ | 11 | $\cdots$ | W．S．Power． |
| $22 \frac{3}{4}$ | $3^{\frac{7}{8}}$ | 15 | $19 \frac{3}{4}$ | $5 \times 4$ | ．．．．．． | J．Carr－Saunders． |
| 22 $\frac{1}{4}$ | 4 | $16 \frac{1}{8}$ | $19 \frac{3}{4}$ | $5 \times 5$ | $\cdots \quad \cdots$ | Col．J．A．Percey． |
| 22 | 5 | $\cdots$ | ．．． | $9 \times 7$ | $\cdots$ ．．． | F．G．Barclay． |
| $21 \frac{1}{2}$ | $3^{\frac{3}{4}}$ | $6 \frac{1}{4}$ | ．．． | $7 \times 7$ | ．．．．．．．．． | British Museum． |
| $19 \frac{1}{4}$ | $4{ }^{\frac{1}{4}}$ | 14 | $16 \frac{1}{2}$ | $3 \times 3$ | Mouterey，Cali－ fornia． | Sir Victor Brooke＇s Collection． |
| $18 \frac{18}{18}$ | $3{ }^{3}$ | 13 ${ }^{\frac{1}{4}}$ | ．．． | $3 \times 3$ |  | British Museum． |

## PAMPAS DEER (Cariacus campestris).

Habitat-South America.

| Length. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tis. } \end{aligned}$ | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $14 \frac{5}{6}$ | $2 \frac{5}{8}$ | $13{ }^{\frac{1}{4}}$ | $3 \times 3$ | La Plata ... | British Museum. |
| $12 \frac{1}{2}$ | $2 \frac{1}{8}$ | 812 | $3 \times 3$ | ... $\quad$. | Sir Victor Brooke's Collection. |
| $11 \frac{3}{1}$ | $2 \frac{3}{4}$ | $14 \frac{1}{4}$ | $3 \times 3$ | $\cdots$ | Do. |
| $11 \frac{1}{8}$ | $3{ }^{7}$ | 1318 | $3 \times 3$ | $\cdots$ | Charles Darwin, British Museum. |
| $10 \frac{3}{8}$ | $2 \frac{1}{2}$ | $13 \frac{1}{8}$ | $3 \times 3$ | North Patagonia | British Museum. |

## PERUVIAN ROE DEER (Cariacus (furcifer) antisiensis).

[Dr. J. E. Gray, F.R.S., P.Z.S. 1869, p. 498.]
The horns divide from the base into two branches; the front one is erect, conical, and acute, with a short conical branch on the outer side, and in the middle one or two more or less elongate, basal anterior or interior snags. The hinder part of the base and sheath compressed, diverging horizontally into a strong, angular, tapering branch, which is nearly as long as the erect one, with several irregularly placed, more or less elongate, acute processes; the upper part, near the roots, with one or two cylindrical diverging branches on its upper and lower sides. Like the small branches on the erect part of the horn, they are not exactly similar on the two horns.

The metatarsus is without any glandular tuft on the outside. On the inner side of the hock is a large rounded tuft of such hairs. The fur consists of thick, elastic, tubular quills. The skull has a wellmarked, deep, triangular pit in the front of the orbit. The female is without horns. This animal may be called Xenelaphus huamel.

| Length. | Circum- <br> ference. | Tip to <br> Tip. | Habitat. | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $99^{\frac{1}{2}}$ | $7 \frac{5}{8}$ | $4 \frac{5}{8}$ | Tinta, South Peru $\ldots$ | $\ldots$ | H. Whitely, British Museum. |
| $9 \frac{3}{8}$ | $2 \frac{1}{2}$ | $8 \frac{1}{8}$ | Ceuchepate, Peru (II,000 ft.) | Do. |  |

## MUULE DEER (Cariacus macrotis).

This variety has much larger ears than the White-tailed or Blacktailed Deer, and owing to its having the tip of the tail black, is often called Black-tail.

Habitat-Includes Oregon, Nebraska, Dakota, West of Missouri, Colorado, and Kansas.

| Length. | Circumference | Tip to Tip. | Widest inside. | Points. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 | 53 (own | er's me | $\begin{gathered} 4 \mathrm{I} \\ \text { asurements) } \end{gathered}$ | 17 | White River, Colorado, N. America. | H. A. James. |
| $28 \frac{1}{2}$ | ... | - | $24 \frac{1}{2}$ | $\cdots$ | Do. | Major Maitland Kirwin. (American Exhibition Catalogue.) |
| $27 \frac{1}{2}$ | ... | ... | 2612 | ... | Do. | Do. |
| $26 \frac{3}{4}$ | ... | ... | ... | 26 | Do. | W. A. Baillie Grohman. (American Exhibition Catalogue.) |
| $26 \frac{3}{4}$ | $4^{\frac{3}{4}}$ | $19{ }^{\frac{5}{8}}$ | $20 \frac{1}{8}$ | $5 \times 5$ | Do. | Ernest Farquhar. |
| $26 \frac{1}{2}$ | $5^{\frac{3}{4}}$ | ... | $17 \frac{1}{2}$ | 12 | Do. | Hon. F. Thellusson. |
| $26 \frac{1}{2}$ | 51 | ... | 19 | 11 | Do. | Do. |
| 25 | $5^{\frac{1}{4}}$ | 278 | $27 \frac{3}{8}$ | $16 \times 13$ | Do. | Moreton Frewen. |
| $24 \frac{1}{2}$ | $5^{\frac{1}{2}}$ | ... | 21 | 21 | Do. | Ford G. Barclay. |
| $24 \frac{1}{2}$ | 5 | $\cdots$ | $\left(\begin{array}{c} 38 \frac{1}{2} \\ (\text { outside points) } \end{array}\right.$ | 33 | Do. | Hon. F. Thellusson. |
| 24 | $5 \frac{1}{4}$ | $\cdots$ | 2014 | 10 | Do. | William Fox. |
| 24 | $4^{\frac{1}{2}}$ | $11 \frac{3}{4}$ | $18 \frac{1}{8}$ | $12 \times 1 \mathrm{l}$ | Do. | E. N. Buxton. |
| $23^{\frac{1}{4}}$ | .. | $\cdots$ | 3 I | $5 \times 5$ | Do. | Noble Jenkins. |
| 23 | 6 | ... | $12 \frac{1}{2}$ | 13 | Do. | Ford G. Barclay, |
| $22 \frac{3}{8}$ | $4^{\frac{3}{8}}$ | $14 \frac{7}{8}$ | $17 \frac{1}{2}$ | $5 \times 4$ | Yellowstone River | British Museum. |
| 223 | 4 | 105 ${ }^{\frac{5}{8}}$ | $18 \frac{1}{4}$ | $6 \times 6$ | Do. | Do. |
| $22 \frac{1}{4}$ | 33 | 165 | $18 \frac{1}{4}$ | $5 \times 5$ | North America... | Sir Victor Brooke's Collection. |
| $22 \frac{1}{8}$ | 4 | 123 | $16 \frac{3}{8}$ | $4 \times 4$ | Yellowstone River | British Museum. |
| $21 \frac{5}{8}$ | $4^{\frac{3}{4}}$ | $17 \frac{1}{2}$ | $19{ }^{\frac{1}{4}}$ | $5 \times 4$ | Kansas ... ... | Sir Victor Brooke's Collection, $\pi 872$. |
| 21 | $6 \frac{3}{4}$ | $\cdots$ | 28 | 26 | North America... | J. Turner-Turner. |
| 197 | $3^{\frac{3}{4}}$ | $11 \frac{1}{2}$ | $15 \frac{1}{2}$ | $5 \times 5$ | Yellowstone River | British Museum. |



PRONG-HORNED ANTELOPE (Antilocapra americana).

Weight-About 80 lbs . clean.

| Length. | Circumference. | Tip to Tip. | Widest inside. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $15^{\frac{3}{4}}$ | $6 \frac{1}{4}$ | $5^{\frac{7}{8}}$ | ... | Wyoming ... | St. George Littledale, 1879. |
| 151 $\frac{1}{8}$ | $6 \frac{1}{4}$ | $7{ }^{\frac{5}{8}}$ | ... | North America... | Col. Ralph Vivian. |
| 15 | $5{ }^{\frac{5}{8}}$ | $5 \frac{3}{4}$ | ... | Wyoming ... | St. George Littledale, 1879. |
| 14\% | 5 | $5 \frac{1}{4}$ | $\cdots$ | New Mexico ... | Capt. F. Cookson, 1887. |
| $14{ }^{\frac{3}{4}}$ | 6 | 57 | ... | Wyoming ... | St. George Littledale, 1879. |
| $14 \frac{1}{2}$ | 63 | $4^{\frac{1}{4}}$ | ... | North America... | Col. Ralph Vivian. |
| $14^{\frac{1}{2}}$ | $6 \frac{1}{4}$ | $\cdots$ | 14 | Do. | Rev. J. H. Douglas. |
| $14 \frac{1}{2}$ | 6 | $\cdots$ | $9^{\frac{1}{2}}$ | Do. | Ford G. Barclay. |
| $14{ }^{\frac{1}{4}}$ | 6 | $2 \frac{5}{8}$ | $8 \frac{1}{8}$ | Do. | Sir Victor Brooke's Collection. |
| $14^{\frac{1}{4}}$ | $5^{\frac{1}{4}}$ | $2 \frac{7}{8}$ | $\cdots$ | New Mexico . | Capt. F. Cookson, 1887. |
| 14 | 512 | 914 | $\cdots$ | North America... | J. Carr-Saunders. |
| $13 \frac{7}{8}$ | $5 \frac{3}{4}$ | $5 \frac{5}{8}$ | $\cdots$ | Do. | Gerald Buxton, is84. |
| $13{ }^{\frac{1}{2}}$ | $5{ }^{7}$ | $5 \frac{3}{8}$ | $\cdots$ | New Mexico ... | Capt. F. Cookson, 1887. |
| $13{ }^{\frac{1}{4}}$ | 53 | $\cdots$ | $10 \frac{3}{4}$ | North America... | William Fox. |
| 13 | $6 \frac{1}{4}$ | $9{ }^{\frac{1}{2}}$ | $\cdots$ | Do. ... | Rowland Ward's Collection. |
| 13 | $5^{\frac{3}{4}}$ | ... | ... | Do. . | P. C. Walker. |
| 13 | $5^{\frac{1}{2}}$ | $\cdots$ | $5^{\frac{1}{2}}$ | Do. | Crawford E. Logan. |
| $12 \frac{7}{8}$ | $6 \frac{1}{2}$ | $9^{\frac{3}{8}}$ | ... | Wyoming ... | St. George Littledale, 1879. |
| $12 \frac{7}{8}$ | $5^{\frac{1}{4}}$ | $6 \frac{5}{8}$ | ... | North America... | The late J. S. Jameson. |

PRONG-HORNED ANTELOPE (Antilocapra americana)-
continucd.

| Length. | Circumference. | Tip to Tip. | Widest inside. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 125 | $6 \frac{1}{2}$ | 5 | ... | North America... | Hon. Walter Rothschild. |
| $12 \frac{1}{2}$ | $6 \frac{3}{8}$ | $5^{\frac{1}{2}}$ | $10 \frac{1}{2}$ | Do. | J. L. Carroll. |
| $12 \frac{1}{2}$ | 5年 | ... | 9 ${ }^{\frac{1}{2}}$ | Do. ... | William Fox. |
| 123 | $5 \frac{3}{1}$ | $4^{\frac{7}{8}}$ | ... | Do. ... | E. N. Buxton, I884. |
| 12 | $5 \frac{1}{2}$ | ... | 15 | Do. ... | M. Tilden. |
| 113 | 53 | ... | ... | Do. ... | Gerald Buxton. (American Exhibition Catalogue.) |
| I $1 \frac{1}{8}$ | $5^{\frac{1}{8}}$ | 4 | $\cdots$ | Do. ... | F. J. Horniman. |
| $10 \frac{3}{4}$ | $5^{\frac{7}{8}}$ | 65 | ... | Mexico ... ... | British Museum. |
| $10^{\frac{1}{2}}$ | $5^{\frac{1}{4}}$ | 7 | 8 | North America... | J. L. Carroll. |
| $9 \frac{1}{2}$ | $6 \frac{1}{2}$ | ... | 10 | Do. ... | H. G. C. Bishop. |
| $6 \frac{3}{8}$ | 4 ${ }^{\frac{1}{2}}$ | 10 | ... | Yellowstone River | British Museum. |
| $6 \frac{1}{8}$ | ... | $8 \frac{3}{}$ | ... | Do. | Do. |
| $5 \frac{3}{1}$ | $5^{\frac{1}{8}}$ | ... | $\cdots$ | North America... | Otho Shaw. (American Exhibition Catalogue.) |

## BUBALINE ANTELOPE (Bubalis bubalinus).

Habitat-North Africa.

| Length. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 14를 | S $\frac{5}{8}$ | $9{ }^{\frac{3}{8}}$ | North Africa ... | ... | British Museum. |
| $14 \frac{1}{8}$ | $6{ }^{3}$ | 93 | Soudan | ... | Col. Ralph Vivian. |
| $13 \frac{1}{8}$ | 7 | $5 \frac{1}{4}$ | North Africa ... | ... | Zoological Society, British Museum. |



## HARTEBEESTE (Bubalis caama).

Habitat-South Africa: Griqualand West, Eastern border of the Kalahari desert and eastwards to the river Serule on the road from Bamangwato to Tati ; also from the Botletlie river to the Zambesi. Further northwards B. caama is replaced by B. lichtensteinii.

| Length. | Circumference. | Tip to Tip. | $\mathrm{H}_{\text {abitat }}$. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $24^{\frac{3}{4}}$ | $10{ }^{1}$ | $9{ }^{3}$ | South Africa | ... | H. Atkinson. |
| 24 | 10 | $9^{\frac{1}{2}}$ | Do. | ... | R. C. Dobson. |
| 23 3 | 10 | 83 | Do. | ... | Sir A. Smith, British Museum. |
| $23 \frac{1}{2}$ | $1{ }^{\frac{1}{2}}$ | $9 \frac{1}{8}$ | Do. | ... | Hon. Walter Rothschild. |
| $23 \frac{1}{2}$ | $11^{\frac{1}{2}}$ | $10 \frac{3}{8}$ | Do. | ... | F. C. Selous. |
| $23 \frac{1}{4}$ | $10 \frac{3}{8}$ | $8 \frac{1}{8}$ | Do. | ... | The late J. S. Jameson. |
| 23 | $11 \frac{1}{4}$ | 6 | Do. | ... | F. C. Selous. |
| $22 \frac{1}{2}$ | $10 \frac{3}{4}$ | $1{ }^{\frac{1}{8}}$ | Do. | ... | Sir Edmund G. Loder, Bart. |
| $22 \frac{3}{8}$ | $10 \frac{3}{4}$ | 61 | Do. | ... | H. Atkinson. |
| $22 \frac{3}{8}$ | $10 \frac{3}{8}$ | $9{ }^{\frac{5}{8}}$ | Do. | ... | A. Beit. |
| 22 | $10 \frac{5}{8}$ | $8 \frac{1}{81}$ | Do. | ... | Sir Victor Brooke's Collection. |
| 22 | 11 | 8 | Do. | ... | Major Severas. |
| 21 番 | $11{ }^{13}$ | 7 | Do. | ... | W. C. Oswell. |
| $21 \frac{3}{4}$ | ${ }_{10}$ | 81 | Do. | ... | A. Beit. |

HARTEBEESTE (Bubalis caama)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $21 \frac{1}{2}$ | II | $5 \frac{1}{2}$ | South Africa | $\ldots$ | C. Ansell. |
| $21 \frac{1}{2}$ | 10.5 | $7{ }^{3}$ | Do. | .. | A. Beit. |
| $21 \frac{1}{8}$ | 107 | $6 \frac{1}{2}$ | Do. | ... | F. C. Selous, |
| 2012 | 10 | 8 | Do. | ... | Rowland Ward's Collection. |
| $20 \frac{1}{4}$ | $11{ }^{\frac{1}{4}}$ | $5{ }^{7}$ | Do. | $\cdots$ | R. C. Dobson. |
| 20 | II | 47 | Africa ... | ... | Sir Edmund G. Loder, Bart. |
| 9194 | $7 \frac{1}{2}$ | 9 | South Africa | ... | The late J. S. Jameson. |
| $19 \frac{1}{2}$ | 81 | 8 | Do. | ... | F. C. Selous. |
| 1931 | $7 \frac{1}{2}$ | $8 \frac{1}{2}$ | Africa ... | ... | J. A. Nicoll. |
| $18 \frac{3}{4}$ | 89 | $7{ }^{\frac{3}{4}}$ | South Africa | ... | H.R.H. Duke of Edinburgh. |
| $18 \frac{3}{4}$ | 87 | $9^{\frac{1}{2}}$ | Do. | ... | J. Carr-Saunders. |
| $17 \frac{1}{8}$ | $8 \frac{3}{4}$ | $5{ }^{7}$ | Do. | ... | H.R.H. Duke of Edinburgh. |
| $16 \frac{1}{8}$ | 87 | $\frac{3}{8}$ | Do. | ... | British Museum. |
| 103 ${ }^{\frac{3}{8}}$ | $7 \frac{1}{4}$ | 3 | Africa ... | ... | Earl of Derby, British Museum. |



JACKSON'S HARTEBEESTE (Bubalis jacksoni).
Habitat-Central Africa: Country between Lake Victoria Nyanza and Lake Naivashœ.
This is a new species of Hartebeeste recently shot by Mr. F. J. Jackson in British East African Territory, who in his letter to me, dated October I890, says: "I do not think it is likely to extend further south, but of course it may extend to the Cape for what we know; if it is A. caama it may do so, but I am inclined to doubt its being the same as the S . African animal. I seem to have an idea that the one at the British Museum is very much darker, and the horns different, but this is only from memory, and I cannot be sure. Up north all along the top of the Elgeyo Escarpment (continuation of Mau) into Turquel, to the north and north-east of Mount Elgon, it is common, and takes the place of A. cokei. Round Baringo it is fairly plentiful, but some marches south of Njemis the A. cokei takes its place."

| Length. | Circumference. | Tip to Tip. | H.bitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $20{ }_{8}^{7}$ | 113 | $9{ }^{\frac{5}{8}}$ | East Africa | F. J. Jackson. |
| $23 \frac{1}{2}$ | 12 | 9 | ... | E. Gedge. |



TORA ANTELOPE (Bubalis tora).
Habitat-North Africa. Numerous in Soudan and Abyssinia.

| ${ }^{-}$Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $19 \frac{3}{4}$ | 9 | $16 \frac{1}{8}$ | Abyssinia... ... | British Museum. |
| $19{ }^{\frac{2}{2}}$ | 9 | $13^{\frac{3}{7}}$ | Do. ... ... | Sir Victor Brooke's Collection. |
| $18 \frac{1}{2}$ | 83 | $15 \frac{1}{1}$ | Soudan ... ... | Col. Ralph Vivian. |
| $18 \frac{1}{8}$ | 10 | $15 \frac{1}{2}$ | Do. ... ... | Do. |
| $17 \frac{1}{2}$ | $9^{\frac{3}{4}}$ | 18 | $\begin{aligned} & \text { Bogos Land, Abys- } \\ & \text { sinia. } \end{aligned}$ | British Museum. |
| $16{ }^{\frac{3}{4}}$ | $7 \frac{1}{8}$ | $14{ }^{\frac{1}{2}}$ | Do. | Do. |
| $15 \frac{5}{8}$ | $7{ }^{\frac{7}{8}}$ | $17 \frac{3}{4}$ | Do. | Do. |
| $13 \frac{7}{8}$ | $6{ }^{3}$ | 14 | Upper Nubia ... | Sir Edmund G. Loder, Bart. |
| 123 | 7 | $6 \frac{7}{8}$ | Abyssinia... ... | British Museum. |
| II | $6 \frac{1}{8}$ | $15 \frac{1}{8}$ | $\begin{aligned} & \text { Bogos Land, Alys- } \\ & \text { sinia. } \end{aligned}$ | Do. |



## SWAYNE'S HARTEBEESTE (Bubalis swaynei).

Habitat-N. E. Africa: Somali Land.
Closely allied to B . cokei and B. tora, but can readily be distinguished from either by its dark markings on the face.

| Length. | Circumference. | Tip to Tip. | Habitat |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $18 \frac{3}{8}$ | $8 \frac{3}{4}$ | 18 | Somali... | ... | Capt. H. G. C. Swayne. |
| $17 \frac{1}{2}$ | $8 \frac{1}{8}$ | $19^{\frac{1}{2}}$ | Do. ... | ... | T. W. H. Clarke. |
| $16 \frac{1}{2}$ | $9{ }^{\frac{3}{4}}$ | $12 \frac{3}{4}$ | Do. ... | . | Hon. Walter Rothschild. |
| 163 | 9 | $17 \frac{7}{8}$ | Do. ... | ... | W. D. James. |
| $15^{\frac{1}{4}}$ | $7{ }^{\frac{1}{4}}$ | $10 \frac{5}{8}$ | Do. ... | ... | E. Lort-Phillips. |



COKE'S HARTEBEESTE (Bubalis cokei).
Habitat-East Africa (Masai Land and adjoining Territory).

| Length. |  | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Round bend. | Straight. |  |  |  |  |  |
| 19 | ... | $9^{\frac{3}{4}}$ | 16 | East Africa | ... | Sir Robert Harvey, Bart. |
| 185 | ... | 87 | $16 \frac{1}{1}$ | Do. | ... | F. J. Jackson. |
| $18 \frac{1}{1}$ | ... | $9^{\frac{1}{2}}$ | $13 \frac{1}{8}$ | Do. | $\ldots$ | H. C. V. Hunter. |
| 18 | ... | $9^{\frac{1}{4}}$ | $16 \frac{3}{1}$ | Do. | ... | Sir Robert Harvey, Bart. |
| $17 \frac{5}{8}$ | .. | S $\frac{3}{1}$ | $17 \frac{1}{8}$ | Do. | ... | F. J. Jackson. |
| $17 \frac{3}{8}$ | $\cdots$ | $9^{\frac{1}{2}}$ | 11 | Do. | ... | J. Carr-Saunders. |
| $17 \frac{1}{8}$ | ... | $9^{\frac{1}{4}}$ | $13 \frac{1}{2}$ | Do. | $\cdots$ | H. C. V. Hunter. |
| $16 \frac{3}{8}$ | $\cdots$ | $9 \frac{1}{8}$ | $13{ }^{\frac{5}{8}}$ | Do. | ... | Do. |
| $16 \frac{3}{8}$ | ... | 8 | $12 \frac{3}{8}$ | Do. | ... | British Museum. |

COKE'S HARTEBEESTE (Bubalis cokei)-continutd.

| Length. |  | Circum- | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Round bend. | Straight. |  |  |  |  |  |
| $16 \frac{1}{4}$ | ... | 9 | $17 \frac{1}{4}$ | East Africa | ... | Sir Victor Brooke's Collection. |
| $16 \frac{1}{8}$ | ... | 85 | $13{ }^{\frac{1}{\text { a }}}$ | Kilima'njaro | ... | Sir John Kirk, M.D., K.C.B. |
| 16 | 12 | ... | 12 | East Africa | ... | E. Gedge. |
| $15{ }^{7}$ | ... | $7 \frac{1}{2}$ | $12 \frac{3}{8}$ | Do. | ... | Sir Robert Harvey, Bart. |
| $15 \frac{3}{4}$ | ... | 83 | $10 \frac{1}{8}$ | Taita ... | .. | J. Wray, British Museum. |
| $15 \frac{3}{8}$ | ... | $7{ }^{\frac{3}{8}}$ | $11 \frac{1}{8}$ | East Africa | ... | Sir Robert Harvey, Bart. |
| $\cdots$ | 9 | $5{ }^{\frac{3}{4}}$ | 11 | Do. | ... | W. Astor Chanler. |
| $14 \frac{1}{8}$ | ... | $9 \frac{1}{8}$ | $12 \frac{1}{4}$ | Do. | ... | Sir Robert Harvey, Bart. |
| 14 | ... | 10 | 117 | Do. | ... | Hon. Walter Rothschild. |
| $13^{\frac{1}{2}}$ | $\ldots$ | $9 \frac{1}{8}$ | $12 \frac{1}{2}$ | Do. | ... | Roland Ward's Collection. |
| $1{ }^{\frac{1}{2}}$ | ... | $\cdots$ | ${ }^{7} 7 \frac{1}{2}$ | Do. | ... | Sir John Willoughby, Bart., "East Africa and its Big Game." |

## WEST AFRICAN HARTEBEESTE (Bubalis major).

Habitat-West Africa.

| Length. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Widest outside. | Habita |  | Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $20 \frac{3}{8}$ | $10 \frac{1}{4}$ | 7 | ... | Africa |  | British Museum. |



## LICHTENSTEIN'S HARTEBEESTE (Bubalis lichtensteinii).

Zanbesi name_-"Godoñko."
Habitat-South and East Africa.

| Length. | Circumference. | Tip to Tip. | Widest outside. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20 | $12 \frac{1}{8}$ | 8 | ... | Zanzibar ... | Sir John Kirk, M. D., K. C. B. |
| $19{ }^{\frac{1}{2}}$ | $1 I^{\frac{1}{2}}$ | $8 \frac{1}{8}$ | ... | Africa ... ... | Hon. Walter Rothschild. |
| $19 \frac{1}{4}$ | $10 \frac{3}{8}$ | 65 | ... | Zanzibar ... | Sir John Kirk, M. D., K. C. B. |
| 19 | $11 \frac{1}{2}$ | $4 \frac{7}{8}$ | ... | East Africa ... | British Museum. |
| $18 \frac{5}{8}$ | 113 | $3 \frac{1}{8}$ | $\cdots$ | South Africa ... | F. C. Selous. |
| $18 \frac{1}{2}$ | $10 \frac{1}{4}$ | 5 | ... | Do. ... | F. C. Selous, British Museum. |
| 1818 | 12 | 8 | 12 | East Africa ... | Gen. Mathews. |
| $18 \frac{1}{4}$ | $11 \frac{1}{4}$ | $5 \frac{1}{8}$ | ... | Do. ... | F. J. Jackson. |
| I 81 | 103 | $4 \frac{5}{8}$ | $\cdots$ | Do. | Do. |
| 165 | $11 \frac{1}{8}$ | $6 \frac{1}{8}$ | ... | River Saba (Mashuna Land). | F. C. Selous, British Museum. |
| $15^{\frac{1}{2}}$ | $10 \frac{3}{4}$ | $5 \frac{3}{8}$ | $\cdots$ | - | W. P. Rylands. |
| ¢15 | 88 | $4{ }^{\frac{7}{8}}$ | $\cdots$ | River Saba (Mashuna Land). | F. C. Selous, British Museum. |
| $14 \frac{5}{8}$ | $7 \frac{3}{4}$ | $3{ }^{\frac{3}{4}}$ | ... | East Africa ... | F. J. Jackson. |
| $14{ }^{\frac{1}{2}}$ | 8 | $5 \frac{1}{8}$ | ... | Do. ... | Do. |
| ¢ $144^{\frac{1}{2}}$ | $7 \frac{3}{4}$ | $2 \frac{7}{8}$ | .. | Do. ... | Rowland Ward's Collection. |
| $9_{14 \frac{1}{8}}$ | $8 \frac{1}{2}$ | $5 \frac{5}{8}$ | ... | Transvaal ... | British Museum. |
| $12 \frac{7}{8}$ | 7 | $3{ }^{\frac{7}{8}}$ | $\cdots$ | Africa ... ... | F. L. James. |



SENEGAL HARTEBEESTE (Bubalis senegalensis).
Habitat-East and West Central Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $19 \frac{1}{4}$ | $6 \frac{5}{8}$ | $3{ }^{\frac{3}{8}}$ | East Africa | ... | H. C. V. Hunter. |
| 19 | $6 \frac{3}{4}$ | 10 | Gambia... | ... | Earl of Derby, British Museum. |
| 19 | $7{ }^{\frac{1}{2}}$ | 8 | East Africa | ... | Rowland Ward's Collection. |
| $18 \frac{3}{4}$ | $9{ }^{\frac{1}{8}}$ | 11 | Gambia... | ... | Earl of Derby, British Museum. |
| $18 \frac{1}{2}$ | 83 | $5^{\frac{1}{4}}$ | East Africa | ... | J. Carr-Saunders. |
| $18 \frac{1}{8}$ | $6 \frac{3}{8}$ | $5{ }^{\text {7 }}$ | Do. | ... | Sir Robert Harvey, Bart. |
| 18 | $8 \frac{1}{8}$ | $5{ }^{\frac{3}{8}}$ | Do. | ... | F. J. Jackson. |
| ${ }^{1} 7 \frac{3}{4}$ | 832 | 8 | Do. | ... | Do. |

## SENEGAL HARTEBEESTE (Bubalis senegalensis)

continutd.



## BUBALIS KOBA.

Habitat-East and West Central Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 2138 | $9^{\frac{1}{8}}$ | $11 \frac{3}{4}$ | River Gambia | Dr. P. Rendall, British Museum. |
| O $20 \frac{1}{1}$ | $6 \frac{3}{4}$ | $6 \frac{7}{8}$ | Bahr-el-gazal ... | Consul Petherick, British Museum. |
| ¢ 163 | $5{ }^{\frac{7}{8}}$ | 55 | River Juba, South Somali. | Sir John Kirk, M. D., K. C. B., British Museum. |
| $10 \frac{1}{8}$ | $6 \frac{3}{4}$ | $7{ }^{7}$ | Bahr-el-gazal ... | Consul Petherick, British Museum. |

## TSESSEBE ANTELOPE or BASTARD HARTEBEESTE (Bubalis lunatus).

Habitat-South Africa. Open country in territory adjacent to Limpopo River.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $15 \frac{5}{8}$ | $7{ }^{\frac{1}{2}}$ | $11 \frac{3}{4}$ | ... ... ... | Sir Edmund G. Loder, Bart. |
| $15{ }^{\frac{1}{4}}$ | $8 \frac{1}{8}$ | $12 \frac{1}{2}$ | ... ... ... | F. C. Selous, |
| $15 \frac{1}{ \pm}$ | $8 \frac{1}{8}$ | 10 ${ }^{\frac{1}{2}}$ | South Africa | W. C. Oswell. |
| $15 \frac{1}{\text { a }}$ | 8 | $12 \frac{1}{4}$ | Do. | Sir A. Smith, British Museum. |
| $15 \frac{1}{8}$ | $7 \frac{1}{8}$ | 12 | ... ... ... | Sir Victor Brooke's Collection. |
| $14^{\frac{1}{2}}$ | $7{ }^{7}$ | $11{ }^{\frac{1}{4}}$ | ... ... ... | F. C. Selous. |
| $14 \frac{1}{2}$ | $7{ }^{\frac{5}{8}}$ | 11 | Mashuna Land ... | F. C. Selous, British Museum. |
| $14 \frac{1}{2}$ | $7 \frac{1}{2}$ | $13 \frac{5}{8}$ | Central Africa ... | British Museum. |
| $14^{\frac{1}{4}}$ | $7 \frac{1}{2}$ | $10 \frac{1}{4}$ | . | Hon. Walter Rothschild. |
| $14^{\frac{1}{2}}$ | $6 \frac{3}{8}$ | $11^{\frac{1}{4}}$ | ... ... ... | W. C. Oswell. |
| $14 \frac{1}{8}$ | 61 | $9{ }^{\frac{7}{8}}$ | $\cdots$... ... | F. C. Selous. |
| 14 | 7 | $9{ }^{\frac{5}{8}}$ | ... ... ... | Durban Museum. |
| 14 | $6 \frac{3}{4}$ | 127 | South Africa | A. Beit. |
| $13{ }^{\frac{7}{8}}$ | $7{ }^{\frac{1}{2}}$ | $13 \frac{3}{8}$ | Do. | British Museum. |
| 아 $13{ }^{\frac{7}{8}}$ | 65 | $1 \mathrm{I}^{\frac{1}{2}}$ | Mashuna Land ... | F. C. Selous, British Museum. |
| $13{ }^{7}$ | $6 \frac{1}{4}$ | $12 \frac{3}{8}$ | South Africa ... | H. and C. Beddington. |

tsessebe antelope or bastard Hartebeeste. 67
TSESSEBE ANTELOPE or BASTARD HARTEBEESTE
(Bubalis Iunatus)-continuca'.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $13 \frac{3}{4}$ | $6 \frac{1}{2}$ | $10 \frac{1}{8}$ | South Africa | ... | Hon. Walter Rothschild. |
| $13 \frac{5}{8}$ | $6 \frac{3}{8}$ | $13 \frac{1}{8}$ | Do. | $\ldots$ | The late J. S. Jameson. |
| $13 \frac{1}{1}$ | $7 \frac{3}{8}$ | $10 \frac{7}{8}$ | Do. | ... | A. Beit. |
| $13 \frac{1}{2}$ | 6 | $9^{\frac{1}{4}}$ | $\cdots$... | ... | J. A. Nicoll. |
| $13^{\frac{1}{4}}$ | 61 | $13^{\frac{1}{4}}$ | South Africa | $\cdots$ | Sir A. Smith, British Museum. |
| $13 \frac{1}{8}$ | $7 \frac{3}{8}$ | $12 \frac{1}{4}$ | Do. | $\cdots$ | H. and C. Beddington. |
| 13 | $7 \frac{1}{8}$ | $13{ }^{\frac{1}{4}}$ | Do. | ... | The late J. S. Jameson. |
| 127 | $7{ }^{\frac{1}{2}}$ | $12 \frac{5}{8}$ | Do. | ... | W. P. Rylands. |
| $12 \frac{3}{4}$ | $5{ }^{\frac{3}{4}}$ | 12 | Do. | $\ldots$ | A. Beit. |
| $12 \frac{1}{2}$ | $7 \frac{1}{2}$ | 12 | Do. | ... | Rowland Ward's Collection. |
| 12 | 6 | $12 \frac{7}{8}$ | Do. | ... | H. and C. Beddington. |

## BLESSBOK (Bubalis albifrons).

Habitat-South Africa.


## BONTEBOK (Bubalis pygargus).

Habitat-South Africa. The horns closely resemble Blcssbok.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $16 \frac{3}{8}$ | 63 | $9 \frac{1}{8}$ | ... ... | ... | British Museum. |
| 16 | 61 | $6 \frac{3}{4}$ | $\cdots$... | ... | Rowland Ward's Collection. |
| $15 \frac{3}{4}$ | 6 | $3^{\frac{3}{4}}$ | $\cdots$ | ... | Do. |
| $15 \frac{3}{8}$ | $6 \frac{1}{8}$ | $8 \frac{1}{8}$ | Cape Colony | ... | Sir Victor Brooke's Collection. |
| $15 \frac{3}{5}$ | $6 \frac{1}{4}$ | 812 | $\ldots$ | ... | British Museum. |
| 15 | $5^{\frac{1}{4}}$ | $4^{\frac{1}{2}}$ | ... ... | . | Do. |
| 15 | $6 \frac{3}{8}$ | $7 \frac{5}{8}$ | Cape Colony | ... | Capt. Freville-Cookson. |
| 15 | 61 | 67 | South Africa | ... | British Museum. |
| $14 \frac{1}{2}$ | $6 \frac{1}{4}$ | $8 \frac{1}{4}$ | Dc. | ... | Hon, Walter Rothechi'd. |
| 142 ${ }^{\frac{1}{2}}$ | $6 \frac{5}{8}$ | $7 \frac{1}{4}$ | Do. | ... | British Museum. |
| 141 ${ }^{\frac{1}{2}}$ | 412 | $7{ }^{3}$ | Do. | ... | Do. |
| 14 | $6 \frac{3}{8}$ | 81 | ... ... | ... | J. Carr-Saunders. |
| 14 | $6 \frac{1}{4}$ | $7 \frac{1}{2}$ | Cape Colony | ... | Sir Victor Brooke's Collection. |
| 13 3 | 5 | $6 \frac{1}{2}$ | South Africa | ... | A. W. Davis. |
| $12 \frac{3}{8}$ | $5{ }^{7}$ | $5{ }^{\frac{7}{8}}$ | Do. | ... | British Museum. |
| $12 \frac{1}{8}$ | $4{ }^{\frac{3}{8}}$ | $6 \frac{3}{5}$ | Do. | ... | Do. |



HUNTER'S ANTELOPE (Bubalis hunteri). Habitat-North banks of the Tana River, East Africa.


HUNTER'S ANTELOPE (Bubalis hunteri)-continued.

| Length. |  | Circumference. | Tipto Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Round bend. | Straight. |  |  |  |  |  |
| 2438 | ... | 77 | $13 \frac{3}{8}$ | East Africa | .. | H. C. V. Hunter. |
| $24 \frac{1}{8}$ | $20 \frac{1}{4}$ | $8 \frac{1}{8}$ | $11 \frac{3}{4}$ | Do. | ... | Sir Robert Harvey, Bart. |
| 24 | $20 \frac{1}{2}$ | 8 | ... | Do. | - | H. C. V. Hunter. |
| 227 | ... | $7{ }^{\frac{1}{4}}$ | $7 \frac{5}{8}$ | Tana River | .. | Do. British Museum. |
| 22 | ... | -.. | 16 | East Africa | ... | Do. |
| 21 | ... | $5^{\frac{1}{2}}$ | $10 \frac{1}{4}$ | Tana River | ... | Do. British Museum. |
| $20 \frac{1}{2}$ | $18 \frac{1}{4}$ | $5^{\frac{1}{2}}$ | $11 \frac{3}{5}$ | East Africa | ... | Sir Robert Harvey, Bart. |
| $20 \frac{1}{8}$ | ... | 55 | $10 \frac{5}{8}$ | Do. | - | H. C. V. Hunter. |
| $20 \frac{1}{8}$ | ... | $5 \frac{5}{8}$ | 87 | Do. | ... | Hon. Walter Rothschild. |
| 195 | $17 \frac{5}{8}$ | $5 \frac{3}{8}$ | $11{ }^{\frac{3}{4}}$ | Do. | ... | Sir Robert Harvey, Bart. |
| 19 | 17 | $5^{\frac{3}{4}}$ | $10 \frac{1}{4}$ | Do. | ... | H. C. V. Hunter. |



BRINDLED GNU (Connochœtes taurina).
Habitat-South Central Africa.
The specimens shot in East Africa may be the sub-species figured on page 75.

| Length. | Breadth of Palm. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Widest Inside. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $26 \frac{1}{8}$ | 8 | $14^{3}$ | $16 \frac{1}{2}$ | ... ... | Sir Edmund G. Loder, Bart. |
| 23 | $11{ }^{\frac{1}{2}}$ | $19 \frac{1}{2}$ | 31 | South Africa | J. A. Nicoll. |
| 23 | 97 | $14 \frac{7}{8}$ | ... | ... ... | H.R.H. Duke of Edinburgh. |
| 227 | ... | $16 \frac{1}{2}$ | $23 \frac{3}{8}$ | East Aftica | F. J. Jackson. |
| $22 \frac{5}{8}$ | $\ldots$ | $1 S^{3}$ | $26 \frac{1}{4}$ | Do. | H. C. V. Iunter. |
| $22 \frac{1}{4}$ | 6 | 1818 | 26 | South Africa | F. C. Selous. |
| $22 \frac{1}{8}$ | $\ldots$ | $17 \frac{3}{4}$ | 25耍 | East Africa | F. J. Jackson. |
| 22 | $5 \frac{3}{1}$ | 158 | $23 \frac{1}{8}$ |  | The late J. S. Jameson. |
| 215 | 13 | $23 \frac{3}{4}$ | ... | East Africa | F. J. Jackson. |
| 215 | $5^{\frac{1}{4}}$ | $17 \frac{3}{8}$ | $28 \frac{1}{2}$ | South Africa | G. H. Banks. |
| 205 | ... | $15^{\frac{1}{8}}$ | 24 | Last Africa | Sir Robert Harvey, Bart. |
| $20_{2}$ | $12 \frac{1}{2}$ | 12.1 | 25 |  | Rowland Ward's Collection. |
| $2 \mathrm{C}_{4}^{1}$ | ... | 123 | $21 \frac{3}{4}$ | Mashmaland | F. C. Selous. |
| 20 | $\begin{gathered} 12 \\ \text { (circumference) } \end{gathered}$ | 17 | ${ }_{(\text {outside) }}^{27}$ | East Africa | R. P. Carrol. |
| 197 | .. | $12 \frac{3}{4}$ | $20 \frac{7}{8}$ | Do. | Sir Robert Harvey, Bart. |
| $19 \frac{3}{4}$ | ... | 18 | $23 \frac{3}{5}$ | Do. | Do. |

BRINDLED GNU (Connochœtes taurina)-continud.

| Length. | Brendth of Palm. | $\underset{\substack{\text { Tippto } \\ \text { iop. }}}{ }$ | Widest Inside. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 197 | 5 | 17 | $23 \frac{3}{1}$ | South Africa ... | R. C. Dobson. |
| $19 \frac{5}{8}$ | 53 | $12 \frac{1}{2}$ | $21 \frac{1}{4}$ | ... ... ... | Hon. Walter Rothschild. |
| $19 \frac{1}{2}$ | 5 | 15 | $22 \frac{1}{2}$ | ... ... ... | W. C. Oswell. |
| $19 \frac{1}{2}$ | ... | 20 | ... | East Affica | H. C. V. Hunter. |
| $19 \frac{1}{2}$ | 14 ${ }^{\frac{1}{2}}$ <br> (circumference) | $16 \frac{1}{4}$ | 22 | Do. | F. J. Jackson. |
| 1912 | ... | $13 \frac{5}{8}$ | $25^{\frac{3}{4}}$ | Do. | Sir Robert Harvey, Bart. |
| $19 \frac{3}{3}$ | ... | $15 \frac{1}{8}$ | 22 | Do. | H. C. V. Hunter. |
| $19 \frac{1}{\frac{1}{4}}$ | ${ }_{\text {(circumferencz) }} 1 \frac{1}{8}$ | $17 \frac{1}{8}$ | $23 \frac{5}{8}$ | South Africa ... | H. Atkinson. |
| $19{ }^{\frac{1}{4}}$ | 5 | $15 \frac{3}{8}$ | $22 \frac{1}{8}$ | Do. | H. and C. Beddington. |
| $19 \frac{1}{8}$ | $5 \frac{1}{2}$ | $15^{\frac{1}{2}}$ | $22 \frac{1}{2}$ | Do. | F. C. Selous. |
| 19 | $5{ }^{\frac{1}{2}}$ | $12 \frac{3}{8}$ | $21 \frac{1}{2}$ | ... ... ... | J. Carr Saunders. |
| 19 | $5 \frac{1}{2}$ | $11 \frac{1}{2}$ | $13 \frac{5}{8}$ | ... ... ... | Sir Edmund G. Loder, Bart. |
| $18 \frac{1}{4}$ | $4 \frac{3}{8}$ | $12 \frac{7}{8}$ | $19 \frac{7}{3}$ | ... ... ... | The late J. S. Jameson. |
| 18 | ... | 16 | ... | South Afiica ... | British Museum. |
| $17 \frac{1}{4}$ | ... | $11 \frac{1}{8}$ | $20 \frac{1}{1}$ | East Africa | F. J. Jackson, |
| 17 | $4{ }^{3}$ | $17 \frac{1}{2}$ | 215 | ... ... ... | Sir Victor Brooke's Collection. |
| 17 | ... | 15 | $\left\lvert\, \begin{gathered} 2 \dot{4} \\ \text { (outside) } \end{gathered}\right.$ | East Africa | W. Astor Chanler. |
| $\cdots$ | ... | 16 | $\left\lvert\, \begin{gathered} 28 \\ \text { (outside) } \end{gathered}\right.$ | ... ... ... | Sir J. Willoughby, Bart., "East Africa and its Big Game." |
| 16 | 7 | $12 \frac{1}{1}$ | 22 | South Africa | A. W. Davis. |
| $15 \frac{7}{8}$ | 3咅 | $10 \frac{3}{8}$ | $18 \frac{3}{5}$ | Do. | A. Beit. |
| $15^{\frac{1}{2}}$ | ... | $3 \frac{3}{1}$ | $10 \frac{1}{8}$ | Do. | British Museum. |
| 15 | ... | $13 \frac{1}{8}$ | $18 \frac{1}{2}$ | East Africa | Sir Robert Harvey, Bart. |
| 15 | 87 | $12 \frac{1}{4}$ | $17 \frac{7}{8}$ | South Africa. | H. and C. Beddington. |
| $14{ }^{7}$ | 4 | $14{ }^{\frac{3}{19}}$ | 187 | Do. | A. Beit. |
| $14 \frac{1}{2}$ | ... | $11 \frac{7}{8}$ | $17 \frac{1}{1}$ | East Africa | Sir Robert Harvey, Bart. |
| $13^{\frac{3}{4}}$ | $8{ }^{3}$ | $9{ }^{\frac{7}{8}}$ | $16 \frac{1}{4}$ | Zanzibar | Sir John Kirk, M. D., K.C. B. |
| $12 \frac{5}{8}$ | ... | 1告 | $\ldots$ | South Africa ... | British Museum. |

## WHITE-TAILED GNU (Connochœtes gnu).

Habitat-South Africa.

| Length. | Breadth of Palm. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Widest Inside. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 223 | $8 \frac{1}{2}$ | $15^{\frac{1}{4}}$ | $\cdots$ | ... $\quad$. | ... | F. C. Selous. |
| 22 | 9 | $17 \frac{1}{8}$ | $\cdots$ | ... | ... | Hon. Walter Rothschild. |
| $21 \frac{3}{4}$ | $10 \frac{5}{8}$ | $18 \frac{5}{8}$ | ... | South Africa |  | British Museum. |
| $21 \frac{3}{8}$ | 8 | $14 \frac{3}{8}$ | ... | $\cdots \quad \cdots$ | ... | F. C. Selous. |
| 203 ${ }^{\frac{3}{8}}$ | ... | $15^{\frac{1}{2}}$ | $23 \frac{1}{8}$ | ... ... | ... | Bethnal Green Museum. |
| $16 \frac{3}{4}$ | $10 \frac{1}{2}$ | $12 \frac{5}{8}$ | $17 \frac{3}{4}$ | South Africa |  | British Museum. |
| 157 ${ }^{\frac{7}{8}}$ | $3^{\frac{3}{4}}$ | $13 \frac{1}{8}$ | 193 |  | ... | Sir Edmund G. Loder, Bart. |
| $*_{145}^{85}$ | $\begin{gathered} 7 \frac{3}{8} \\ \text { (circumference) } \end{gathered}$ | $S_{\frac{1}{2}}$ | $16 \frac{5}{8}$ | Ugarano | ... | Capt. Speke, British Museum. |

* Gorgon fasciatus.


JACKSON'S WILDEBEESTE (Connochœtes taurinus albojubatus).
Habitat-East Africa, Uganda.
Closely allied to the Brindled Wildebeeste, excepting that it has a white mane under the throat instead of black.

| Length. | Breadth. | Tip to <br> Tip. | Widest <br> Inside. | Habitat. | Owner. |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $20 \frac{1}{8}$ | $5 \frac{1}{8}$ | $16 \frac{3}{8}$ | $22 \frac{5}{8}$ | East Africa | $\cdots$ | F. J. Jackson. |
| $19 \frac{1}{8}$ | $5 \frac{3}{4}$ | $16 \frac{1}{4}$ | $21 \frac{7}{8}$ | Do. | $\cdots$ | Do. |



## DUIKER ANTELOPE (Cephalophus grimini).

Habitat-South and East Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $5^{\frac{3}{8}}$ | $2 \frac{1}{8}$ | 27 | South Africa | ... | F. C. Selous. |
| 5 | $2 \frac{1}{4}$ | $2 \frac{1}{2}$ | Do. | - | Do. |
| $4^{\frac{7}{8}}$ | $2 \frac{1}{2}$ | $2 \frac{1}{4}$ | Do. | ... | Do. |
| $4^{\frac{3}{4}}$ | $2 \frac{1}{4}$ | 3 | Do. | $\cdots$ | A. Beit. |
| 4 ${ }^{\frac{1}{2}}$ | ... | $2 \frac{7}{8}$ | Algoa Bay | ... | F. C. Selous, British Museum. |
| $4^{\frac{1}{2}}$ | $2 \frac{1}{4}$ | $1 \frac{3}{4}$ | South Africa | ... | G. H. Banks. |
| $4^{\frac{1}{4}}$ | 17 | $2 \frac{3}{4}$ | $\cdots$... | $\cdots$ | Sir Robert Harvey, Bart. |
| $4 \frac{1}{8}$ | $2 \frac{1}{8}$ | $1 \frac{5}{8}$ | ... ... | .. | J. Carr-Saunders. |
| $4 \frac{1}{8}$ | $1 \frac{7}{8}$ | $2 \frac{5}{8}$ | Natal | ... | J. Wahlberg, Brilish Museum. |
| $4^{\frac{1}{8}}$ | 2 | 2 | Transvaal | - | F. C. Selous, British Museum. |
| 4 | 17 | $1{ }^{\frac{1}{2}}$ | South Africa | ... | H. and C. Beddington. |
| 4 | $1 \frac{7}{8}$ | $1{ }^{\frac{1}{2}}$ | Do. | - | Do. |
| $3{ }^{7}$ | $2 \frac{1}{8}$ | 2 |  | ... | Sir Robert Harvey, Bart. |
| $3{ }^{\frac{7}{8}}$ | $1 \frac{3}{4}$ | $1 \frac{3}{4}$ | Last Africa | ... | F. J. Jackson. |
| $3^{\frac{3}{4}}$ | 2 | $2 \frac{1}{8}$ | South Africa | $\ldots$ | H . and C. Beddington. |
| $3^{\frac{3}{4}}$ | $\cdots$ | $1{ }^{\frac{3}{1}}$ |  | $\cdots$ | The late J. S. Jameson. |
| $3^{\frac{1}{1}}$ | I $\frac{3}{4}$ | $2 \frac{1}{4}$ | East Africa | ... | F. J. Jackson. |
| $3{ }^{\frac{1}{4}}$ | ... | 1. ${ }^{\frac{1}{4}}$ | South Africa | ... | The late J. S. Jameson. |
| * $3 \frac{1}{2}$ | $1 \frac{7}{8}$ | $1 \frac{3}{4}$ | Abyssinia | $\cdots$ | Sir Victor Brooke's Collection. |
| $2 \frac{3}{4}$ | 17 | $1 \frac{1}{4}$ | Do. | ... | British Museum. |

[^3]
## NATAL BUSHBUCK (Cephalophus natalensis).

> [Dr. J. E. Gray, P.Z.S., p. 589.]

Hair rigid, adpressed, of neck and cheeks short, of forehead long, bright red-bay; beneath pale yellowish; forehead red.

There are four specimens in the British Museum, two males and two females.

Habitat-Port Natal.


## WHITE-BACKED BUSHBUCK (Cephalophus sylvicultor).

Habitat-Fantee.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $4 \frac{5}{8}$ | ... | $2 \frac{1}{4}$ | Fantee ... ... | British Museum. |
| 63 | ... | 4 ${ }^{\frac{1}{2}}$ | Do. ... ... | Do. |
| $6 \frac{5}{8}$ | $3{ }^{\frac{5}{8}}$ | 43 | Do. | Do. |

## BANDED BUSHBUCK (Cephalophus doriæ).

Habitat-Liberia.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. <br> $\mathbf{I} \frac{7}{8}$ | $\ldots$ |
| :---: | :---: | :---: | :---: | :---: | :---: |



## FOUR-HORNED ANTELOPE or CHOUSINGHA (Tetraceros quadricornis).

Horns in male only.
Habitat-India.

| Length. |  | Circumference. |  | Tip to Tip. |  | Habitat. |  | Owner, |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rear Horn. | Fore Horn. | Rear Horn. | Fore Horn. | Rear Horn. | Fore Horn. |  |  |  |
| $4 \frac{3}{8}$ | $2 \frac{1}{2}$ | $2 \frac{1}{4}$ | $2 \frac{3}{3}$ | I $\frac{6}{8}$ | $2 \frac{7}{8}$ | India | $\ldots$ | Sir Edmund G. Loder, |
| 4 | $2 \frac{1}{2}$ | 17 | 17 | 3 | $1 \frac{1}{8}$ | Indore |  | Col. John Evans, Bri- |
| $3 \frac{5}{8}$ | $1{ }^{\text {爯 }}$ | $1 \frac{7}{8}$ | 2 | 1 $\frac{1}{8}$ | $2 \frac{1}{2}$ | India | ... | Sir Robert Harvey, |
| $3^{\frac{1}{2}}$ | 2 | $1 \frac{5}{8}$ | $1 \frac{5}{8}$ | $1^{\frac{1}{4}}$ | $2 \frac{1}{2}$ | Do. | ... | H. R. H. Duke of Edinburgh. |
| $3 \frac{1}{8}$ | $\frac{1}{2}$ | $2 \frac{1}{8}$ | $1 \frac{1}{2}$ | $2 \frac{5}{8}$ | $1 \frac{1}{8}$ | Nepal | .. | British Museum. |
| $2 \frac{3}{4}$ | 1 | 17 | $1{ }^{\frac{1}{2}}$ | 17 | - | India | ... | Do. |
| 2 | $\frac{1}{2}$ | 3 | $\cdots$ | 3 | $1 \frac{1}{8}$ | Do. | . | Do. |



KIRK'S ANTELOPE (Neotragus kirki).
Habitat-East Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 3 | ... | $1 \frac{1}{2}$ | East Africa | F. J. Jackson. |
| $2{ }^{3}$ | ... | $1{ }^{5}$ | Do. | British Museum. |
| $2{ }^{5}$ | ... | ${ }^{1} \frac{1}{2}$ | Do. | Sir Robert Harvey, Bart. |
| 25 | $1 \frac{1}{2}$ | $1 \frac{5}{8}$ | Kilima'njaro ... | H. C. V. Hunter, British Museum, |
| $2{ }^{5}$ | ... | $1{ }^{3}$ | East Africa | Sir Robert Harvey, Bart. |
| $2 \frac{1}{2}$ | ... | $1 \frac{7}{8}$ | Do. | F. J. Jackson. |
| $2 \frac{1}{2}$ | $1 \frac{1}{2}$ | ... | North-east Africa | Col. Ralph Vivian. |
| $2 \frac{1}{2}$ | ... | $1 \frac{5}{8}$ | East Africa ... | Hon. Walter Rothschild. |
| $2 \frac{1}{2}$ | ... | $1 \frac{3}{8}$ | Do. ... | Rowland Ward's Collection. |
| $2 \frac{3}{8}$ | ... | $1 \frac{3}{8}$ | Island of Manda... | Sir John Kirk, M. D., K.C.B. |
| $2{ }^{\frac{3}{8}}$ | ... | $1 \frac{1}{2}$ | Somali Land ... | Do. British Museum. |
| $2 \frac{3}{8}$ | $\ldots$ | $1 \frac{1}{2}$ | East Africa ... | Sir Robert Harvey, Bart. |
| $2 \frac{3}{8}$ | 15 | $1 \frac{3}{8}$ | Do. | Sir John Kirk, British Museum. |
| $2 \frac{1}{4}$ | ... | $1 \frac{7}{8}$ | Do. | Sir Robert Harvey, Bart. |
| 2 | ... | ... | Do. ... | Sir John Willoughby, Bart., "East Africa and its Big Game." |

## SALT'S ANTELOPE (Neotragus Saltianis).

Wcight-Weight about 6 lbs.
Habitat-Somali Land, North-east Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner, |
| :---: | :---: | :---: | :---: | :---: |
| $2 \frac{3}{4}$ | 1. | 1 | Somali Land | T. W. H. Clarke. |
| $2 \frac{5}{8}$ | ... | $1 \frac{3}{8}$ | Do. | Sir Victor Brooke's Collection. |
| $2 \frac{1}{2}$ | I | $1 \frac{3}{8}$ | Do. | Capt. H. G. C. Swayne. |
| $2 \frac{3}{8}$ | $1 \frac{3}{8}$ | $1 \frac{5}{8}$ | Abyssinia... | Sir Victor Brooke's Collection. |
| $2 \frac{3}{8}$ | ... | 1 冎 | North-east Africa | British Museum. |
| $2 \frac{3}{8}$ | $1 \frac{1}{2}$ | ... | Somali Land ... | C. Liddell. |

ZANZIBAR ANTELOPE (Nanotragus moschatus). Habitat-East Africa.


ORIBI ANTELOPE (Nanotragus scoparia).
Habitai-South Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $4{ }^{\frac{5}{8}}$ | $1{ }^{3}$ | $3^{\frac{1}{2}}$ | South Africa ... | F. C. Selous. |
| $4^{\frac{3}{4}}$ | 2 | $2 \frac{1}{2}$ | Cape of Good Hope | British Museum, |
| $4^{\frac{3}{4}}$ | $1 \frac{3}{4}$ | 2 | South Africa ... | F. C. Selous. |
| $4^{\frac{1}{1}}$ | I $\frac{3}{4}$ | 17 | Do. ... | Do. |
| 418 | ... | $2 \frac{7}{8}$ | Do. ... | Rowland Ward's Collection. |

## WEST AFRICAN ORIBI (Nanotragus nigricaudatus).

Habitat-River Gambia.
(For description see page 82.)

| Circum. <br> ference. | Tip to Tip. | Hatitat. | Owner. |  |
| :--- | :---: | :---: | :---: | :---: |
| 3 | $1 \frac{5}{8}$ | $2 \frac{3}{4}$ | River Gambia | $\ldots$ | Charles B. Mosse, British Museum.

## NANOTRAGUS NIGRICAUDATUS.

[Sir Victor Brooke, P.Z.S. 1872, p. 875.]
Grizzly fawn; forehead rufous; tail black, of moderate length; temporal gland distinct, black; knee-brushes large; false hoofs present but small ; ears moderate; horns slender, moderate in length, and slightly bent forward.

Height at shoulder, 20 in .; length of ears, $4^{\frac{1}{2}} \mathrm{in}$. ; length of horns, 3 in . A narrow mark about one inch in length on each side of the naked muzzle ; a line passing round the eye and suborbital pit, but not meeting in front of the gland, lower lip, chin, spot on throat, belly, inside of limbs nearly as far down as the carpal and tarsal joints, and rump white. Nose and ears externally dusky brown; forehead and occiput rufous; temporal gland large, round, and covered with very short bluish-black hair, that covering the region between the suborbital pit and the eye being of similar character and colour; neck, back, flanks, and sides of a peculiar grizzly fawn colour. This peculiarity is obtained by the base of each hair being almost white, the tip rufous, the intervening part of a deep bluish grey.

## ABYSSINIAN ORIBI (Nanotragus montanus).

Habitat—Abyssinia.
[Sir Victor Brooke, P.Z.S. 1872, p. 875.]
Sandy fawn; tail of the same colour as the back, and very short, almost rudimentary; temporal gland and knee-brushes distinct; false hoofs small ; ears moderate ; horns short and subconical.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $4 \frac{3}{8}$ | $\mathbf{I} \frac{3}{4}$ | $2 \frac{1}{2}$ | Dembelas, Abys- <br> sinia. | British Museum. |



## STEINBUCK (Nanotragus tragulus).

Habitat-South and East Africa.

| Length. | Circum- <br> ference | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 53 | 2 | $1{ }^{\frac{3}{4}}$ | East Africa | E. Gedge. |
| 5 | ... | $2 \frac{1}{2}$ | Do. ... | Sir John Willoughby, Bart., "East Africa and its lig Game." |
| $4^{\frac{1}{2}}$ | $1{ }^{3}$ | 15 | South Africa | H . and C. Beddington. |
| $4{ }^{\frac{1}{2}}$ | 15 | $2 \frac{5}{8}$ | Do. | F. C. Selous. |
| $4 \frac{3}{8}$ | 15 | $2 \frac{3}{8}$ | East Africa | Sir Robert Harvey, Bart. |
| $4{ }^{\frac{3}{8}}$ | 15 | $2 \frac{1}{4}$ | South Africa | F. C. Selous. |
| $4^{\frac{1}{4}}$ | 2 | 25 | Do. | The late J. S. Jameson. |
| $4 \frac{1}{8}$ | $1{ }^{7}$ | $2 \frac{1}{4}$ | Soudan ... ... | Col. Ralph Vivian. |
| $4 \frac{1}{8}$ | $1{ }^{\frac{5}{8}}$ | $2 \frac{3}{8}$ | Kaokoland, West Africa. | Capt. F. Cookson, I8go. |
| $4 \frac{1}{8}$ | $1{ }^{5}$ | $1{ }^{\frac{3}{4}}$ | South Africa ... | F. C. Selous. |

STEINBUCK (Nanotragus tragulus)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 4 | $1{ }^{\frac{3}{4}}$ | $2 \frac{3}{8}$ | Soudan ... | Col. Ralph Vivian. |
| 4 | $1 \frac{3}{8}$ | $2 \frac{1}{4}$ | East Africa ... | Sir Robert Harvey, Bart. |
| *37 | $1 \frac{5}{8}$ | $2 \frac{3}{8}$ | South Africa ... | British Museum. |
| $3^{\frac{3}{4}}$ | I $\frac{3}{4}$ | $2 \frac{1}{4}$ | East Africa | Sir Robert Harvey, Bart. |
| $3^{\frac{3}{4}}$ | $1 \frac{5}{8}$ | $1 \frac{7}{8}$ | $\cdots \quad . .$. | J. Carr Saunders. |
| $3 \frac{3}{\frac{3}{4}}$ | $1 \frac{1}{2}$ | $2 \frac{1}{1}$ | East Africa .. | F. J. Jackson. |
| *3年 | I ${ }^{\frac{1}{2}}$ | $2 \frac{1}{2}$ | Transvaal .. | British Museum. |
| *33 | ... | 23 | Near Kilima'njaro, East Africa. | H. C. V. Hunter, British Museum. |

## KLIPSPRINGER (Nanotragus oreotragus)

Somali name-" Alakud."
Habitat-Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :--- |
| $4 \frac{3}{8}$ | 2 | $3 \frac{1}{4}$ | South Africa | $\ldots$ | F. C. Selous. |
| $4 \frac{1}{4}$ | $2 \frac{1}{8}$ | $2 \frac{1}{4}$ | Do. | $\ldots$ | Do. |
| $4 \frac{1}{4}$ | 2 | $3 \frac{1}{4}$ | East Africa | $\ldots$ | E. Gedge. |
| $4 \frac{1}{8}$ | $2 \frac{1}{8}$ | $2 \frac{3}{8}$ | South Africa | $\ldots$ | F. C. Selous. |
| 4 | $2 \frac{1}{2}$ | $1 \frac{7}{8}$ | Do. | $\ldots$ | H. and C. Beddington. |

## KLIPSPRINGER (Nanotragus oreotragus)-continucd.

| Length. | Circumference. | Tip to Tip. | Habitat | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $*_{4}$ | 2 | 3 | South Africa | British Museum. |
| 4 | $1{ }^{7}$ | 2 | Do. | The late J. S. Jameson. |
| $3{ }^{\frac{3}{7}}$ | 2 | 2 | Somali, NorthEast Africa. | T. W. H. Clarke. |
| *3 ${ }^{\text { }}$ | ... | $1{ }^{\frac{7}{8}}$ | Abyssinia . | British Museum. |
| $3^{\frac{1}{4}}$ | $1{ }^{\frac{3}{7}}$ | $1{ }^{5}$ | Somali ... | E. Lort-Phillips. |
| $3 \frac{1}{8}$ | $1 \frac{3}{4}$ | $2 \frac{1}{2}$ | South Africa | A. Beit. |
| $*_{3 \frac{1}{8}}$ | $1{ }^{\frac{3}{1}}$ | 23 | Do. | British Museum. |
| 3 | $1 \frac{7}{8}$ | $3{ }^{\frac{3}{4}}$ | Do. | Hon. Walter Rothschild. |

## REHBOK (Pelea capreola).

Habitat--South Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :--- |
| $8 \frac{55}{8}$ | $2 \frac{2}{2}$ | $2 \frac{5}{8}$ | South Africa | $\ldots$ | Dr. Burchell, British Museum. |
| $7 \frac{7}{8}$ | $2 \frac{3}{8}$ | $3 \frac{1}{2}$ | Do. | $\ldots$ | R. G. Brealkes, British Museum. |
| $7 \frac{3}{8}$ | $2 \frac{1}{4}$ | $3 \frac{1}{4}$ | Do. | $\ldots$ | Rowland Ward's Collection. |
| $7 \frac{1}{2}$ | $2 \frac{3}{8}$ | 3 | Do. | $\ldots$ | H. Atkinson. |
| $6 \frac{7}{8}$ | $2 \frac{1}{2}$ | $3 \frac{1}{8}$ | Do. | $\ldots$ | A. Beit. |
| $6 \frac{1}{4}$ | $2 \frac{3}{8}$ | $2 \frac{3}{4}$ | Do. | $\ldots$ | British Museum. |
| $5 \frac{1}{2}$ | $2 \frac{3}{8}$ | $1 \frac{3}{4}$ | Do. | $\ldots$ | Hon. Walter Rothschild. |



WATERBUCK (Cobus ellipsiprymnus).
Bechuana name-"Tumoha."
Lower Zambesi name-" Myakobswe."
Habitat-South and East Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $33 \frac{1}{2}$ | $9{ }^{\frac{1}{4}}$ | $21 \frac{1}{2}$ | $\cdots$.... | Hon. Walter Rothschild. |
| 33 | $9{ }^{\frac{3}{8}}$ | $11_{2}$ | Mashuna Land | F. C. Selous, British Museum. |
| $32 \frac{3}{4}$ | $9{ }^{\frac{3}{4}}$ | $21 \frac{3}{8}$ | South Africa ... | Sir Victor Brooke's Collection. |
| $31 \frac{3}{8}$ | 81 | $21 \frac{7}{8}$ | Do. ... | British Museum. |
| $3{ }^{1 \frac{1}{4}}$ | $9^{\frac{5}{8}}$ | $19^{\frac{1}{4}}$ | $\cdots \quad \cdots$ | Sir Edmund G. Loder, Bart. |
| 31 | $\cdots$ | (owner's measurements) | Mashuna Land | F. C. Selous. |
| $30 \frac{1}{2}$ | 87 | $16 \frac{1}{8}$ | Algoa Bay ... | C. Wemys, British Museum. |
| $30 \frac{1}{8}$ | $8 \frac{1}{2}$ | $13{ }^{\frac{7}{8}}$ | $\cdots$... $\quad$. | F. C. Selous. |

WATERBUCK (Cobus ellipsiprymnus)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 30 | 9 | $22 \frac{1}{2}$ | .. | W. Ogilby (P.Z.S. 1883, pt. 1, p. 47). |
| 30 | 87 | $16 \frac{1}{2}$ | South Africa ... | British Museum. |
| 297 | $9 \frac{1}{8}$ | 127 | ... ... ... | Hon. Charles Ellis. |
| 293 | $9{ }^{\frac{1}{2}}$ | 217 | ... ... ... | F. C. Selous. |
| $29{ }^{\frac{1}{4}}$ | 8 | $24 \frac{1}{2}$ | ... ... ... | Hon. Charles Ellis. |
| 29 | $\underset{\text { (malformed) }}{\frac{9 \frac{1}{4}}{2}}$ | 51 | South Africa ... | A. W. Davis. |
| 287 | 9 | 21 | ... ... ... | Rowland Ward's Collection. |
| 283 | 8 | $15^{\frac{1}{4}}$ | South Africa ... | G. H. Banks. |
| 285 | 8 | $16 \frac{3}{4}$ | Do. | Do. |
| 283 | $9 \frac{1}{8}$ | 213 | ... ... ... | H.R.H. Duke of Edinburgh. |
| $28 \frac{3}{8}$ | 8 | $19{ }^{\frac{1}{4}}$ | ... ... ... | Hon. Charles Ellis. |
| 28 | (owner's measurements) | 18 | East Africa | Sir John Willoughby, Bart. |
| 28 | $9{ }^{\frac{1}{4}}$ | 163 | ... ... ... | Hon. Walter Rothschild. |
| $27 \frac{3}{4}$ | $9{ }^{\frac{1}{4}}$ | $14{ }^{\frac{3}{4}}$ | - | The late J. S. Jameson. |
| $27 \frac{5}{8}$ | 8 | 97 | ... ... ... | Maj.-Gen. Arthur Ellis, C.S.I. |
| $27 \frac{1}{2}$ | 8 87 | $25 \frac{1}{2}$ | ... ... ... | Hon. Charles Ellis. |
| $27 \frac{1}{2}$ | $8{ }^{3}$ | 14 | South Africa ... | Durban Museum. |
| $27 \frac{1}{4}$ | $9{ }^{\frac{1}{2}}$ | $16 \frac{3}{4}$ | ... ... ... | Maj.-Gen. Arthur Ellis, C.S.I. |
| 27 | 9 | 24 | East Africa ... | E. Gedge. |
| 263 | $9^{\frac{1}{4}}$ | 21 | Limpopo ... | W. C. Oswell. |
| $26 \frac{1}{2}$ | 85 | 157 | South Africa ... | A. M. Sagar Musgrave. |
| $26 \frac{1}{2}$ | $7{ }^{\frac{1}{2}}$ | $13 \frac{7}{8}$ | Do. ... | Bethnal Green Museum. |
| $26 \frac{3}{8}$ | 95 | $11^{\frac{1}{2}}$ | Do. | The late J. S. Jameson. |
| $26 \frac{3}{8}$ | 812 | $18 \frac{1}{8}$ | Do. ... | J. Carr-Saunders. |
| 26 | $9{ }^{\frac{3}{8}}$ | $12 \frac{3}{4}$ | Limpopo ... | W. C. Oswell. |
| $25 \frac{7}{8}$ | 83 | $17 \frac{1}{2}$ | Soudan | Col. Ralph Vivian. |
| 255 | $8 \frac{1}{4}$ | II | ... ... ... | Capt. Speke, British Museum. |

WATERBUCK (Cobus ellipsiprymnus)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 253 ${ }^{\frac{3}{8}}$ | $9{ }^{\frac{3}{3}}$ | 16 | ... ... ... | The late J. S. Jameson. |
| 253 | $8 \frac{1}{2}$ | 22 | South Africa ... | W. P. Rylands. |
| $25^{\frac{1}{4}}$ | $8 \frac{3}{1}$ | 137 | East Africa ... | Sir Robert Harvey, Bart. |
| $25 \frac{1}{8}$ | 8 | $13 \frac{3}{8}$ | Do. | H. C. V. Hunter. |
| 25 | $9^{\frac{1}{4}}$ | $15 \frac{1}{2}$ | Soudan | Col. Ralph Vivian. |
| 25 | $8 \frac{1}{2}$ | $13{ }^{\frac{1}{2}}$ | South Africa ... | J. A. Nicoll. |
| 25 | $7{ }^{\frac{3}{1}}$ | $16 \frac{1}{4}$ | East Africa ... | Sir Robert Harvey, Bart. |
| $24 \frac{7}{8}$ | 81 | $16 \frac{1}{2}$ | South Africa ... | W. P. Rylands. |
| $24 \frac{7}{8}$ | $8 \frac{1}{8}$ | 13 | East Africa | Sir Robert Harvey, Bart. |
| $24 \frac{7}{8}$ | $7{ }^{3}$ | $9{ }^{\frac{1}{2}}$ | Do. | Do. |
| $24^{\frac{1}{4}}$ | $7 \frac{1}{2}$ | 93 | ... ... ... | W. D. James. |
| $24 \frac{1}{8}$ | 8 | 177 | East Africa | Sir Robert Harvey, Bart. |
| $24 \frac{1}{8}$ | $7{ }^{3}$ | $16 \frac{1}{8}$ | South Africa ... | British Museum. |
| $23 \frac{7}{8}$ | $8 \frac{3}{8}$ | 125 | East Africa | II. C. V. Hunter. |
| 237 | 8 | 153 | Do. | Sir Robert Harvey, Bart. |
| 23 | 9 | 9 | Do. | E. Gedge. |
| 223 | $8_{12}^{2}$ | $13 \frac{1}{8}$ | Do. | Sir Robert Harvey, Bart. |
| $2 \mathrm{I} \frac{3}{4}$ | $7 \frac{3}{8}$ | $11 \frac{1}{8}$ | Do. | Do. |
| 213 | $7{ }^{\frac{5}{8}}$ | 13 3 | Cape Delgado | Sir John Kirk, M. D., K. C.B. |
| $21 \frac{3}{8}$ | 7 | $11{ }^{\frac{1}{4}}$ | ... | W. D. James. |
| 21 | $7{ }^{\frac{3}{4}}$ | 13 | East Africa ... | W. Astor Chandler. |
| 20 | $7 \frac{1}{8}$ | 121 $\frac{1}{8}$ | Cape Delgado | Sir John Kirk, M.D., K.C.B. |

## SINGSING ANTELOPE (Cobus defassus).

Habitat-Africa.
[Dr. Sclater on Capt. Speke's trophies, P.Z.S. i864, p. 102.]
The general aspect of the head resembles Kobus ellipsiprymnus, but the face is blacker, and the top of the head between the horns dark rufous. "It does not possess the lunate mark on the rump of the Waterbuck, and does not stand so high, but is rather more stoutly built." (Note by Capt. Speke on above.)
[Dr. James Murie, P.Z.S. 1867, p. 5.]
Baron Hernier. British Museum, Capt. Speke's specimen.



## LECHWE ANTELOPE (Cobus leche)

Habitat-South Africa.

| Length. | Circumference. | 'Tip to 'Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $27 \frac{1}{2}$ | $10 \frac{3}{4}$ | $19 \frac{1}{8}$ | Chobe River | ... | F. C. Selous, British Museum. |
| 27 | ... | ... | Do. | ... | Do. 1879, "A Hunter's |
| $26 \frac{1}{1}$ | $8 \frac{3}{3}$ | 21 | South Africa | ... | A. Beit. |
| $26 \frac{1}{8}$ | 8 | $\begin{gathered} 15 \\ \text { (about) } \end{gathered}$ | Do. | ... | F. C. Selous. |
| 25 | $\ldots$ | ) | Lukanga ... | ... | Do. 1878, "A Hunter's Wanderings." |
| $24 \frac{3}{5}$ | 7宕 | $13 \frac{5}{8}$ | South Africa | ... | The late J. S. Jameson, |
| 24 | $8 \frac{1}{8}$ | $14{ }^{\frac{1}{4}}$ | Do. | ... | F. C. Selous. |
| 24 | 8 | $15 \frac{1}{2}$ | Zambesi ... | ... | W. C. Oswell. |
| $23 \frac{3}{4}$ | $7{ }^{\frac{1}{2}}$ | $14 \frac{1}{8}$ | South Africa | ... | F. C. Selous. |
| 23 | 9 | 9 | East Africa | ... | E. Gedge. |
| 227 | $7{ }^{\frac{1}{4}}$ | $6{ }^{5}$ | South Africa | ... | A. Beit. |
| 225 | $7{ }^{3}$ | $11{ }^{\frac{1}{4}}$ | Do. | ... | The late J. S. Jameson. |
| $22 \frac{5}{8}$ | $6 \frac{5}{5}$ | $11{ }^{\frac{3}{4}}$ | Chobe River | ... | F. C. Selous, British Museum. |
| 22 | $7{ }^{\frac{1}{4}}$ | $10 \frac{3}{1}$ | South Africa | ... | J. Carr-Saunders. |
| $21 \frac{1}{2}$ | 7 | 10 | Africa . | ... | J. A. Nicoll. |
| $21 \frac{1}{4}$ | $6 \frac{1}{2}$ | $13{ }^{\frac{7}{8}}$ | Do. ... | ... | Capt. F. Vardon, British Museum. |

WHITE-EARED WATERBUCK (Cobus leucotis).
Habitat-East Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $19 \frac{7}{8}$ | $6 \frac{3}{8}$ | $7 \frac{1}{4}$ | Bahr el Gazal | $\ldots$ | British Museum. |
| $19 \frac{1}{8}$ | $5 \frac{7}{8}$ | $9 \frac{1}{2}$ | Do. | $\ldots$ | Consul J. Petherick, British Museum. |
| 19 | 6 | $8 \frac{1}{4}$ | Do. | $\ldots$ | Do. |
| $\mathbf{1 7 \frac { 1 } { 4 }}$ | 6 | $7 \frac{1}{4}$ | Africa | $\ldots$ | $\ldots$ |

## COBUS KOB.

Habitat-Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 | $7{ }^{\frac{1}{4}}$ | $1{ }_{1}^{12}$ | East Africa | ... | E. Gedge. <br> Do. |
| $17 \frac{3}{4}$ | $7{ }^{\frac{3}{4}}$ | $11 \frac{1}{2}$ | Uganda | ... |  |
| $17 \frac{3}{8}$ | $6 \frac{1}{2}$ | $7{ }^{3}$ | Do. | ... | F. J. Jackson. |
| $17 \frac{1}{4}$ | $7 \frac{1}{2}$ | $5{ }^{\frac{1}{2}}$ | Do. | .. | Do. 1890. |
| $17 \frac{1}{8}$ | 7 | 5 | Masai Land | ... | Do. British Museum. |
| 17 | 63 | 9 ${ }^{\frac{1}{2}}$ | East Africa | ... | E. Gedge. |
| $9^{\frac{1}{2}}$ | 5 | 3 | Gambia ... | ... | Earl of Derby, British Museum. |
| 8 | $4 \frac{5}{8}$ | 45 | Do. ... | ... | Do. |

## MRS. GRAY'S WATERBUCK (Cobus maiæ).

Habitat-East Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $26 \frac{7}{8}$ | $6 \frac{7}{8}$ | $13^{3} \frac{3}{2}$ | Arwan, Bahr <br> Gazal. | el | Consul J. Petherick, British Museum.



## POOKOO ANTELOPE (Cobus vardoni).

Native name-" Poku."
Habitat-South Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $19 \frac{1}{8}$ | 63 | S $\frac{1}{2}$ | South Africa | .. | J. Carr-Saunders. |
| $16 \frac{1}{1}$ | $6 \frac{5}{8}$ | $7{ }^{\frac{1}{2}}$ | Do. | .. | British Museum. |
| 16 | $6 \frac{1}{1}$ | $6 \frac{3}{8}$ | Chobe River | .. | F. C. Selous. |
| $15 \frac{1}{8}$ | 6 | 10 | South Africa | .. | J. Carr-Saunders, |
| $14 \frac{1}{2}$ | $6{ }^{3}$ | $6 \frac{5}{8}$ | Do. | .. | F. C. Selous. |
| $14 \frac{1}{8}$ | $6 \frac{5}{8}$ | $5 \frac{1}{8}$ | Chobe River |  | Do. British Museum. |
| 13 3 ${ }^{\frac{7}{8}}$ | $5{ }^{\frac{7}{3}}$ | $7 \frac{1}{4}$ | South Africa | .. | Rowland Ward's Collection. |



## REEDBUCK (Cervicapra arundineum). <br> (Cervicapra bohor).

Scna and Tete name-" N'sengo."
Habitat-Africa.

| Length. | Circumference. | Tip to Tip. |  | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $15 \frac{7}{8}$ | $6 \frac{1}{4}$ | $14^{\frac{1}{4}}$ | $\ldots$ | ... | ... | British Museum. |
| $15 \frac{3}{4}$ | $6 \frac{1}{8}$ | (one point broken) | ... | $\cdots$ | ... | The late J. S. Jameson. |
| $15 \frac{1}{8}$ | $6 \frac{5}{8}$ | $11 \frac{1}{\frac{1}{2}}$ | ... | ... | ... | F. C. Selous. |
| 15 | ... | ... | ... | $\cdots$ | ... | Do. "A Hunter's Wan derings." |
| 15 | $6 \frac{1}{2}$ | $9{ }^{\frac{3}{4}}$ | Sout | h Africa | ... | Sir John Willoughby, Bart. |
| $14 \frac{5}{8}$ | $7 \frac{3}{5}$ | $9 \frac{1}{8}$ | ... | ... | ... | Hon. Walter Rothschild. |
| $14^{\frac{1}{2}}$ | $6 \frac{3}{8}$ | $7{ }^{\frac{5}{8}}$ | $\ldots$ | ... | ... | Sir Edmund G. Loder, Bart. |
| $14^{\frac{1}{2}}$ | $6 \frac{1}{4}$ | 7 | ... | ... | ... | F. C. Selous. |
| $14^{\frac{1}{2}}$ | $5{ }^{5}$ | $8 \frac{1}{4}$ | $\ldots$ | ... | ... | Do. |
| $14{ }^{\frac{1}{2}}$ | 53 | $14 \frac{3}{8}$ | ... | ... | ... | W. C. Oswell. |
| 14 | $\cdots$ | $\cdots$ |  | r Tati, rica. |  | F. C. Selous, "A Hunter's Wanderings." |
| 137 | $5{ }^{\frac{3}{4}}$ | $1{ }^{\frac{1}{2}}$ | Sout | h Africa | ... | A. Beit. |
| ${ }^{1}{ }_{3}{ }^{\frac{3}{4}}$ | $5 \frac{7}{8}$ | $8 \frac{1}{8}$ | ... | ... | . | British Museum. |
| $13 \frac{5}{8}$ | $5^{\frac{1}{2}}$ | $9{ }^{\frac{3}{8}}$ | $\ldots$ | ... | ... | The late J. S. Jameson. |
| $13{ }^{\frac{1}{2}}$ | 6 | $9{ }^{\frac{1}{4}}$ | ... | ... | ... | Hon. Walter Rothschild. |
| $13 \frac{1}{2}$ | ... | $12 \frac{1}{4}$ | ... | ... | ... | Dr. Knight-Bruce, Bishop of Bloomfontein. |
| $13 \frac{1}{2}$ | $5{ }^{\frac{7}{8}}$ | $6 \frac{1}{8}$ | ... | ... | ... | The late J. S. Jameson. |
| $13 \frac{1}{8}$ | $6 \frac{1}{8}$ | 105 | ... | $\ldots$ | ... | Do. |

[^4]REEDBUCK－continuecd．

| Length． | Circum－ ference． | Tip to Tip． | Habitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $13 \frac{1}{8}$ | $5 \frac{3}{8}$ | $9{ }^{\frac{5}{8}}$ | ．．．．．． | ．．． | G．H．Banks． |
| 13 | $7 \frac{3}{8}$ | $11 \frac{3}{8}$ | ．．．．．． | ．．． | F．C．Selous． |
| 13 | $6 \frac{1}{2}$ | $11_{2}^{12}$ | $\cdots$ | $\ldots$ | Col．G．W．Thompson． |
| 127 | $6 \frac{3}{4}$ | $12 \frac{3}{8}$ | ．．．．．． | ．．． | F．C．Selous． |
| 127 | $5 \frac{3}{8}$ | II | South Africa | ．．． | A．Beit． |
| $12 \frac{3}{4}$ | $6 \frac{1}{8}$ | 83 | $\ldots$ | ．．． | A．M．Sagar－Musgrave． |
| $*_{12 \frac{1}{2}}$ | $5 \frac{5}{8}$ | $5{ }^{\frac{3}{8}}$ | ．．．．．． | $\ldots$ | Sir John Kirk，M．D．，K．C．B．，Brilish Museum． |
| $12 \frac{1}{2}$ | $5^{\frac{1}{2}}$ | $1{ }^{\frac{3}{4}}$ | South Africa | ．．． | A．Beit． |
| ${ }_{1} 12$ | $5^{\frac{1}{2}}$ | ${ }_{11}{ }^{\text {7 }}$ | Do． | ．．． | British Museum． |
| 117 | $5{ }^{5}$ | $10 \frac{3}{8}$ | ．．．．．． | ．．． | J．Carr－Saunders． |
| $15^{\text {爯 }}$ | 512 | 812 | South Africa | ．．． | A．C．Fountaine． |
| ${ }^{11}$ | 6 | 14 | Do． | ．．． | Lieut．C．F．Gisborne． |
| 11 | 6 | $9{ }^{\text {年 }}$ | Do． | ．．． | J．A．Nicoll． |
|  | $4{ }^{\frac{1}{2}}$ | $5^{\frac{1}{2}}$ | East Africa | ．．． | Sir Robert Harvey，Bart． |
| $*_{10 \frac{1}{2}}$ | $5^{\frac{1}{2}}$ | $8 \frac{3}{8}$ | South Africa | ．．． | British Museum． |
| ＊9 ${ }_{9} \frac{1}{4}$ | $5^{\frac{1}{4}}$ | $4 \frac{1}{2}$ | Do． | ．．． | Rowland Ward＇s Collection． |
| ＊91 ${ }^{\frac{1}{8}}$ | $5{ }^{\frac{3}{8}}$ | $8 \frac{1}{2}$ | Do． | ．．． | Dr．Burchell，British Museum． |
| ＊91 ${ }^{\frac{1}{8}}$ | $4{ }^{\frac{7}{8}}$ | $4 \frac{5}{8}$ | East Africa | ．．． | H．C．V．Hunter． |
| ＊9 | $5^{\frac{1}{4}}$ | $3 \frac{1}{8}$ | Zanzibar ．．． | ．．． | Sir John Kirk，M．D．，K．C．B． |
| ＊ $8 \frac{3}{7}$ | 5 | $3{ }^{7}$ | East Africa | ．．． | Sir Robert Harvey，Bart． |
| ＊ $8 \frac{3}{1}$ | $4 \frac{7}{8}$ | $3{ }^{3}$ | Do． | ．．． | H：C．V．Hunter． |
| 812 | $5^{\frac{1}{2}}$ | 4 | South Africa | ．．． | The late J．S．Jameson． |
| ＊8 ${ }^{\frac{1}{4}}$ | $5{ }^{\frac{3}{4}}$ | 5 | East Africa | ．．． | R．P．Carroll． |
| ＊ $8 \frac{1}{8}$ | $4{ }^{\frac{3}{x}}$ | $2 \frac{1}{2}$ | Masai Land | ．．． | H．C．V．Hunter，British Museum． |
| ＊ 7 年 | $4{ }^{\frac{7}{8}}$ | $2 \frac{3}{4}$ | East Africa | ．．． | F．J．Jackson． |
| ＊593 | $3{ }^{\frac{7}{8}}$ | $3^{\frac{1}{2}}$ | Do． | ．．． | Do． |



BLACKBUCK or INDIAN ANTELOPE (Antilope cervicapra).
Habitat-India. Average weight-85 lbs.

| Length. |  | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Straight. | Round Curve. |  |  |  |  |
| $28^{\frac{1}{4}}$ | $40 \frac{1}{2}$ | 5 | $17 \frac{3}{7}$ | India ... | A. O. Hume (Private Collection). |
| 27 | ... | ... | (owner's measurement) | Punjaub ... | Capt. H. V. Brooke, late 92nd Highlanders. |
| 27 | 34 | 5 | $19{ }^{\frac{1}{2}}$ | Do. | Sir Victor Brooke's Collection. |
| $26 \frac{3}{8}$ | 33 | 5 | $17 \frac{7}{3}$ | Do. | A. O. Hume (Private Collection). |
| $25 \frac{5}{8}$ | $35 \frac{1}{8}$ | $4^{\frac{3}{4}}$ | $20 \frac{3}{4}$ | Do. | Do. |
| $25 \frac{1}{2}$ | ... | ... | 15 | Do. ... | Col. Martin. |
| 253 | $35^{\frac{1}{\text { m }}}$ | $5{ }^{\frac{1}{2}}$ | $14 \frac{1}{2}$ | Do. ... | Hume Collection, British Museum. |
| 251 | $34 \frac{3}{7}$ | $5 \frac{1}{8}$ | $21 \frac{3}{4}$ | Gadaruara District, Cen. Prov. | Sir John H. Morris, K.C.S.I. |
| 25 | $35^{\frac{1}{2}}$ | $4{ }^{\frac{7}{8}}$ | 19 | India ... | Hume Collection, British Museum. |
| $24^{\frac{1}{4}}$ | ... | 5 | $18 \frac{1}{2}$ | Do. | Marquis of Ailsa. |
| 24 | 33 | $5^{\frac{1}{2}}$ | $14 \frac{3}{4}$ | Do. ... | Rowland Ward's Collec tion. |
| 24 | ... | ... | 20 | Do. ... | Lord Herbrand Russell. |
| 24 | 37 | 5 | 187 | Aligur ... | St. George Littledale, 1877. |
| $23^{3}$ | $33{ }^{\frac{7}{8}}$ | 53 | 21 | India ... | H.R.H. Duke of Edinburgh. |

# BLACKBUCK or INDIAN ANTELOPE (Antilope cervicapra)- 

 continuted.| Length. |  | Circum ference. | Tip to Tip. | Habitat. ' | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Straight. | Round Curve. |  |  |  |  |
| 235 | 34 | $5 \frac{1}{8}$ | 207 | India | H.R.H. Duke of Edin burgh. |
| $23^{\frac{1}{2}}$ | $29^{\frac{1}{4}}$ | $5 \frac{1}{8}$ | $16 \frac{3}{}$ | Do. | Lieut. F. E. Shafto-Adair. |
| $23^{\frac{1}{2}}$ | ... | ... | ... | Do. | Sir S. Baker, Bart., "Wil Beasts and their Ways.' |
| $23^{\frac{1}{4}}$ | 333 | 512 | $18 \frac{1}{2}$ | Do. | Hume Collection, British Museum. |
| $23^{\frac{1}{4}}$ | $34 \frac{1}{1}$ | $4{ }^{\frac{7}{3}}$ | $19 \frac{3}{8}$ | Do. | Do. |
| $23 \frac{1}{4}$ | 297 | $4 \frac{5}{8}$ | 151 ${ }^{\frac{1}{2}}$ | Do. | Do. |
| 23 | $30 \frac{1}{8}$ | $5 \frac{1}{8}$ | 133 | North India | Sir Victor Brooke's Collection, 1869. |
| $22 \frac{3}{4}$ | $32 \frac{5}{8}$ | 5 | 157 | India | Martyn Kennard. |
| 22\% | 301 | $5{ }^{3}$ | $11 \frac{1}{8}$ | Do. | Mrs. Stirling, British ${ }^{\text {Mu- }}$ seum. |
| *22 $\frac{5}{8}$ | $32 \frac{3}{4}$ | $5{ }^{\frac{3}{4}}$ | ... | Do. | Hon. Walter Rothschild. |
| $22 \frac{1}{2}$ | ... | $5^{\frac{1}{4}}$ | $18 \frac{1}{2}$ | Do. | Lieut. F. E. S. Adair. |
| $22 \frac{3}{8}$ | $33 \frac{5}{8}$ | 5 | $23 \frac{1}{2}$ | Do. | Martya Kennard. |
| $22 \frac{1}{4}$ | ... | $4 \frac{3}{4}$ | 13 | Do. | Capt. Henry Streatfield. |
| $22 \frac{1}{8}$ | 31 | 5 | 187 | Do. | Lord Ashburton. |
| 22 | 30 | 5 | $14 \frac{3}{4}$ | Do. | W. E. Rowley. |
| 22 | 29 | $4{ }^{\frac{3}{5}}$ | $16 \frac{1}{2}$ | Do. | Martyn Kennard. |
| 22 | $29^{\frac{1}{2}}$ | $4 \frac{3}{8}$ | $18 \frac{1}{8}$ | Do. | Sir Robt. Harvey, Bart. |
| 217 | 323 | $4 \frac{3}{8}$ | $14 \frac{7}{8}$ | Do. | F. J. Horniman. |
| $21 \frac{3}{4}$ | $31 \frac{1}{2}$ | $4^{\frac{1}{2}}$ | 185 | Do. | Major Cumberland. |
| $2 \mathrm{I}^{\frac{1}{2}}$ | 285 | $4{ }^{\frac{7}{8}}$ | $17 \frac{5}{8}$ | Do. | Martyn Kennard. |
| $2 \mathrm{I} \frac{3}{8}$ | $27 \frac{3}{8}$ | $4{ }^{\frac{3}{4}}$ | $18 \frac{1}{1}$ | Du. | Do. |
| $21 \frac{1}{4}$ | $28 \frac{5}{8}$ | $4{ }^{5}$ | 16 | Do. | Sir Robert Harvey, Bart. |
| $21{ }_{1}^{13}$ | 30 | $4{ }^{\frac{7}{8}}$ | $18 \frac{1}{1}$ | Do. | H.R.H. Duke of Edinburgh. |
| $21^{\frac{1}{4}}$ | $33{ }^{\frac{1}{4}}$ | $4 \frac{5}{8}$ | 167 | Do. | Martyn Kennard. |
| ... | 28 | $4{ }^{\frac{1}{2}}$ | 16 | Do. | Capt. G. Campbell. |

[^5]BLACKBUCK or INDIAN ANTELOPE (Antilope cervicapra)continued.

| Length. |  | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Straight. | Round Curve. |  |  |  |  |
| $21 \frac{1}{8}$ | 283 | 5 | $18 \frac{1}{4}$ | India | Lord Ashburion. |
| $21 \frac{1}{8}$ | 317 | $4^{\frac{1}{2}}$ | $7 \frac{3}{1}$ | Do. | The Hon. Charles Ellis. |
| 21 | $25^{3}$ | $4 \frac{7}{8}$ | $15^{\frac{1}{4}}$ | Do. | H. C. V. Hunter. |
| 21 | ... | $5^{\frac{1}{4}}$ | 18 | Do. | C. H. Seeley. |
| 21 | 32 | $5{ }^{\frac{1}{4}}$ | 125 | Do. | Hume Collection, British Museum. |
| $20 \frac{3}{4}$ | $28 \frac{1}{8}$ | $5^{\frac{1}{4}}$ | 14 | Do. | Maj.-Gen. Arthur Ellis C.S. I., I 859. |
| $20 \frac{1}{2}$ | $30 \frac{5}{8}$ | $4{ }^{\frac{3}{4}}$ | 14 | Do. | Do. |
| $20 \frac{1}{2}$ | 28 | $5 \frac{1}{8}$ | $21 \frac{1}{2}$ | Jullunder | Sir Victor Brooke's Collec tion, 1869. |
| $20 \frac{1}{2}$ | 28 | $4{ }^{\frac{7}{8}}$ | 14 | India | H. C. V. Hunter. |
| $20 \frac{1}{2}$ | 283 | 5 | $19 \frac{3}{4}$ | Do. | Martyn Kennard. |
|  | 27 | (owner's mea- surement) | $\cdots$ | Do. | Capt. Townley Parker. |
| $20 \frac{1}{2}$ | $28 \frac{3}{8}$ | $5 \frac{3}{\frac{3}{8}}$ | $18 \frac{1}{4}$ | Do. | $\underset{\substack{\text { H.R.H. } \\ \text { burgh. }}}{ }$ Duke of Edin |
| 2038 | 27 | 45 | $8{ }^{3}$ | Do. | British Museum. |
| $20 \frac{1}{8}$ | 265 | $5{ }^{\frac{1}{4}}$ | $13 \frac{1}{8}$ | Central India | Do. |
| $20 \frac{1}{8}$ | $29 \frac{1}{4}$ | 5 | 167 | India | H. C. V. Hunter. |
| 20 | $27 \frac{3}{4}$ | $5^{\frac{1}{4}}$ | $16 \frac{3}{8}$ | Do. | H. R. H. Le Duc d'Orleans. |
| 20 | 27 | 5 | $12 \frac{1}{2}$ | Do. | Maj.-Gen. Arthur Ellis, C.S.I., 1859. |
| 197 | $26 \frac{1}{4}$ | $5 \frac{5}{8}$ | $1{ }^{\frac{1}{2}}$ | Do. | H. C. V. Hunter. |
| 197 | 261 | 5 | $18 \frac{5}{8}$ | Do. | Martyn Kennard. |
| $19 \frac{3}{4}$ | 24 | $4 \frac{5}{8}$ | $15 \frac{3}{8}$ | Do. | $\underset{\substack{\text { H.R.H. } \\ \text { burgh. }}}{ }$ Duke of Edin |
| 195 | 29 ${ }^{\frac{3}{*}}$ | $5{ }^{\frac{1}{8}}$ | 161 ${ }^{\frac{1}{8}}$ | Nepal | British Museum. |
| $19 \frac{1}{2}$ | ... | $4{ }^{\frac{3}{4}}$ | $19 \frac{1}{4}$ | India | Noel Fenwick. |
| $19 \frac{1}{2}$ | (owner's mea | 512 | ... | H. Haran ... | J. H. Mann. |
| $19 \frac{1}{4}$ | $25^{\frac{1}{4}}$ | $4{ }^{3}$ | 1418 | India | F. J. Horniman. |
| 187 | $27 \frac{1}{8}$ | $4{ }^{\frac{3}{4}}$ | 167 | Do. | Sir Victor Brooke's Collec tion |
| 187 | $25 \frac{3}{4}$ | $4 \frac{5}{8}$ | 153 | Do. ... | J. Carr-Saunders. |

## BLACKBUCK or INDIAN ANTELOPE (Antilope cervicapra)-

continued.

| Length. |  | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Straight. | Round Curve. |  |  |  |  |
| $18{ }^{3}$ | 25 | $4 \frac{1}{8}$ | 123 | Madras | Sir Walter Elliot, Bart. British Museum. |
| 183 | $25^{\frac{1}{3}}$ | $5 \frac{7}{8}$ | $14 \frac{3}{9}$ | India | H. R. H. Le Duc d'Orleans. |
| $18 \frac{1}{2}$ | 287 | 5 ${ }^{\frac{3}{4}}$ | 121 $\frac{1}{8}$ | Do. ... | $\underset{\substack{\text { H.R.H. } \\ \text { burgh. }}}{ }$ Duke of Edin |
| $18 \frac{1}{2}$ | $26 \%$ | $5 \frac{1}{8}$ | $10 \frac{3}{8}$ | Do. | Hume Collection, British Museum. |
| $18 \frac{1}{2}$ | 26 | 5 | $13^{\frac{1}{4}}$ | Do. | East India Club. |
| $18^{\frac{3}{5}}$ | $25 \frac{7}{8}$ | $5^{\frac{1}{2}}$ | $15 \frac{3}{\text { a }}$ | Aligur ... | St. George Littledale, 1877. |
| 18 | (killed l)y a | $4{ }_{6}^{\frac{3}{8}}$ | (owner's mea- | Seroom nuggat | J. H. Mann. |
| $17 \frac{7}{8}$ | $24^{\frac{1}{4}}$ | 5 | $7 \frac{1}{4}$ | Meerut | R. Lydekker, British Museum. |
| $17 \frac{3}{4}$ | 27 | $4{ }^{3}$ | $10 \frac{1}{4}$ | India | Sir Robert Harvey, Bart. |
| $17 \frac{3}{3}$ | $24^{\frac{1}{2}}$ | $4{ }^{\frac{3}{4}}$ | $15 \frac{3}{\text { a }}$ | Aligur | St. George Littledale, 1877. |
| ${ }^{1} 7 \frac{1}{2}$ | $23^{\frac{1}{2}}$ | $4{ }^{3}$ | 12 $\frac{1}{2}$ | Burmah | British Museum. |
| $17 \frac{3}{8}$ | $22 \frac{1}{4}$ | 5 | $9{ }^{\frac{5}{8}}$ | India | Sir Robert Hasrvey, Bart. |
| 17 | 213 | $5^{\frac{1}{2}}$ | 17 | Aligur ... | St. George Littledale, 1877. |
| 16 | ... | 5 | (owner's measurement) | H. Haran ... | J. H. Mann. |




## IMPALA ANTELOPE (厈pyceros melampus).

Bechuana name-" Pallah."
Habitat-South, East, and West Africa.

| Length. |  | Circumference. | Tip to Tip. | Widest outside | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Straight. | Round Bend. |  |  |  |  |  |
| $21 \frac{1}{2}$ | ... | 6 | 16 | 17 | East Africa ... | Rowland Ward's Collection. |
| $21 \frac{1}{8}$ | 25 | $5 \frac{7}{8}$ | $17 \frac{5}{8}$ | ... | Do. ... | F. J. Jackson, |
| 21 | $25^{\frac{1}{4}}$ | $5 \frac{7}{8}$ | 18 | $\cdots$ | Do. ... | Do. |
| 21 | $27 \frac{1}{2}$ | $5 \frac{7}{8}$ | $14^{\frac{1}{4}}$ | ... | South Africa | W. Burchell, British Museum. |
| $20 \frac{1}{2}$ | ... | 54 | 15 | 18 | East Africa... | W. Astor Chanler. |
| $20 \frac{1}{2}$ | ... | $5 \frac{5}{8}$ | $11 \frac{1}{2}$ | ... | Do. ... | H. C. V. Hunter. |
| $20 \frac{1}{2}$ | $25^{\frac{1}{4}}$ | 5 | $12 \frac{5}{8}$ | ... | Do. ... | F. J. Jackson. |
| $20 \frac{3}{8}$ | $23 \frac{3}{8}$ | 6 | $14^{\frac{1}{2}}$ | ... | Do, ... | Sir Robert Harvey, Bart. |
| 20 | ... | $\cdots$ | $\cdots$ | 16 | Chobe River | F. C. Selous, I879, "A Hunter's Wanderings." |
| 20 | ... | ... | ... | IS | East Africa ... | Sir J. Willoughby, "East Africa and its Big Game." |
| 20 | ... | $5 \frac{3}{4}$ | $14 \frac{3}{4}$ | IS | Africa ... | R. P. Carrol. |
| $19 \frac{3}{4}$ | 247 | $5{ }^{7}$ | 115 | $\cdots$ | Do. ... | Sir Edmund G. Loder, Bart. |
| $19 \frac{3}{4}$ | 24 ${ }^{\frac{1}{2}}$ | $5^{\frac{1}{2}}$ | $12 \frac{1}{4}$ | ... | South Africa | F. C. Selous. |
| $19 \frac{5}{8}$ | $23 \frac{3}{3}$ | 53 ${ }^{\frac{3}{1}}$ | $10 \frac{1}{4}$ | ... | Do. | The late J. S. Jameson, |
| $19^{\frac{1}{2}}$ | $24^{\frac{1}{4}}$ | 6 | 153 | ... | East Africa... | Sir Robert Harvey, Bart. |
| $19^{\frac{1}{2}}$ | $23 \frac{7}{8}$ | $5 \frac{3}{4}$ | $13^{\frac{3}{4}}$ | ... | Do. ... | H. C. V. Hunter. |
| $19 \frac{1}{4}$ | $24 \frac{3}{8}$ | 6 | $9{ }^{5}$ | $\cdots$ | Do. .. | Sir Robert Harvey, Bart. |
| 19 ${ }^{\frac{1}{4}}$ | $25 \frac{7}{8}$ | 6 | 7 | $\cdots$ | Do. ... | H. C. V. Hunter. |
| $19 \frac{1}{8}$ | 23\% | 6 | $10^{\frac{1}{4}}$ | ... | South Africa | A. Beit. |

IMPALA ANTELOPE（出pyceros melampus）－continued．

| Length． |  | Circum－ ference | Tip to Tip． | Widest | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Straight． | Round Bend. |  |  |  |  |  |
| $19 \frac{1}{8}$ | $24 \frac{1}{2}$ | $5 \frac{5}{8}$ | $12 \frac{3}{8}$ | ．．． | South Africa | British Museum． |
| 19 | $24 \frac{1}{2}$ | 6 | 115 | ．．． | ．．．．．．．．． | J．Carr－Saunders． |
| 19 | $24 \frac{1}{\frac{1}{8}}$ | $5{ }^{\frac{7}{8}}$ | $8 \frac{1}{8}$ | $\ldots$ | East Africa ．．． $\mid$ | H．C．V．Hunter． |
| 19 | ．．． | $5{ }^{\frac{1}{2}}$ | 122 | 15 | South Africa | Gen．Mathews． |
| 19 | $23 \frac{1}{1}$ | $5{ }^{\text {7 }}$ | $14 \frac{1}{7}$ | ．．． | East Africa．．． | Sir Robert Harvey，Bart． |
| 19 | ．．． | 6 | 21 | 20 | South Africa | Rowland Ward＇s Collection． |
| 187 | 24 | 51 ${ }^{\frac{1}{2}}$ | 14 | $\cdots$ | Limpopo River | W．C．Oswell． |
| 183 | $23 \frac{1}{4}$ | 6 | $12 \frac{1}{4}$ | ．．． | Kaoko Land， West Africa． | Capt．F．Cookson． |
| $18 \frac{5}{8}$ | 23 | $6 \frac{1}{8}$ | $1{ }^{\frac{3}{8}}$ | ．．． | East Africa．．． | H．C．V．Hunter． |
| 188 | 243 | 53 | $10^{\frac{1}{4}}$ | ．．． | Do．．．． | Sir Robert Harvey，Bart． |
| 185 | 23 | $5{ }^{\frac{7}{8}}$ | $13 \frac{3}{5}$ | ．．． | Do．． | Do． |
| ．．． | 235 | $5^{\frac{1}{2}}$ | $9{ }^{\frac{3}{8}}$ | ．．． | Do．．．． | Hon．Walter Rothschild． |
| $18 \frac{1}{2}$ | $23^{\frac{1}{2}}$ | $5{ }^{7}$ | $11 \frac{1}{4}$ | ．．． | South Africa | The late J．S．Jameson． |
| 183 | $22 \frac{1}{4}$ | 51 | $13^{\frac{1}{8}}$ | ．．． | East Africa ．．． | H．C．V．Hunter． |
| $18 \frac{1}{8}$ | $25 \frac{1}{8}$ | $5{ }^{\frac{1}{2}}$ | $10 \frac{1}{2}$ | ．．． | South Africa | F．C．Selous． |
| 18 | $22 \frac{1}{2}$ | $5{ }^{3}$ | $10^{\frac{5}{8}}$ | ．．． | East Africa ．．． | Sir Robert Harvey，Bart． |
| 18 | $21 \frac{1}{2}$ | $5{ }^{5}$ | $12 \frac{3}{4}$ | ．．． | South Africa | A．Beit． |
| 17 年 | 227 | $5{ }^{\frac{5}{8}}$ | $6{ }_{4}$ | ．．． | East Africa ．．． | Sir Robert Harvey，Bart． |
| 173 | $22 \frac{3}{4}$ | $5 \frac{1}{2}$ | $13 \frac{1}{8}$ | ．．． | South Africa | British Museum． |
| $17 \frac{5}{8}$ | 213 | 6 | $10 \frac{1}{8}$ | $\ldots$ | Do． | F．C．Selous． |
| $17 \frac{1}{4}$ | $21 \frac{1}{2}$ | $5^{\frac{1}{2}}$ | $12 \frac{3}{4}$ | ．．． | ．．．．．．．．． | E．Lort－Phillips． |
| $17 \frac{1}{8}$ | $20 \frac{1}{2}$ | 57 | $11^{\frac{1}{2}}$ | ．．． | East Africa ．．． | Sir Robert Harvey，Bart． |
| $17 \frac{1}{8}$ | $23^{\frac{3}{4}}$ | $5{ }^{\frac{5}{8}}$ | $7{ }^{7}$ | $14 \frac{3}{\text { 亲 }}$ | Africa | Hon．A．O．Murray． |
| 17 | ．．． | $5{ }^{\frac{3}{4}}$ | $8 \frac{3}{1}$ | 14 | South Africa | A．W．Davis． |
| $16 \frac{3}{8}$ | 193 ${ }^{\frac{3}{8}}$ | $5 \frac{3}{8}$ | $10 \frac{1}{4}$ | ．．． | Do． | Sir Victor Brooke＇s Collection． |
| $16 \frac{3}{8}$ | 19 年 | $4{ }^{\frac{18}{4}}$ | $7{ }^{\frac{3}{8}}$ | ．．． | Do． | G．H．Banks． |
| $16 \frac{1}{4}$ | $19 \frac{3}{4}$ | $5 \frac{1}{8}$ | 127 | $\ldots$ | Do． | F．C．Selous． |
| 157 | 213 | 53 | $6 \frac{1}{2}$ | ．．． | Do． | W．Burchell，British Museum． |



SAIGA (Saiga tartarica).
Habitat-Eastern Europe and Western Asia.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $14 \frac{3}{8}$ | $5^{\frac{1}{4}}$ | $3{ }^{\frac{1}{2}}$ | $\cdots$ | Hon. Walter Rothschild. |
| $13^{\frac{3}{4}}$ | 5 | ... | $\cdots$... | Sir Edmund G. Loder, Bart. |
| $13^{\frac{3}{4}}$ | $4 \frac{3}{8}$ | $3 \frac{1}{2}$ | $\cdots \quad$... | Sir Victor Brooke's Collection. |
| 138 | 5 | $5^{\frac{1}{2}}$ | Sarepta, South Russia. | British Museum. |
| $13 \frac{1}{8}$ | $5{ }^{\frac{3}{8}}$ | $4 \frac{3}{8}$ | ... ... . | Hon. Walter Rothschild, |
| 127 | $5 \frac{3}{8}$ | (single <br> horn) | Russia ... | British Museum. |
| $12 \frac{7}{8}$ | $4 \frac{5}{8}$ | $5 \frac{5}{8}$ | Sarepta, South Russia. | Do. |
| $12 \frac{7}{8}$ | $4 \frac{5}{8}$ | (single horn) | Russia ... | Do. |
| 123 ${ }^{\frac{3}{4}}$ | $4{ }^{\frac{7}{8}}$ | $4^{\frac{1}{2}}$ | $\cdots$ | Do. |
| $11 \frac{1}{2}$ | $4{ }^{\text {a }}$ | $4 \frac{5}{8}$ | $\cdots$... . | Rowland Ward's Collection. |
| $11 \frac{1}{4}$ | $4^{\frac{3}{4}}$ | 5 | $\cdots$... | British Museum. |
| II | $4 \frac{7}{8}$ | $4^{\frac{1}{2}}$ | Siberia ... | Do. |



## THIBET ANTELOPE (CHIRU) (Pantholops hodgsoni).

Habitat-Western Thibet and Turkestan.



THIBET ANTELOPE (CHIRU) (Pantholops hodgsoni)-continucd.

| Length. | Circumference. | Tip to Tip. | Habitat. |  |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $24 \frac{3}{3}$ | $5^{\frac{1}{4}}$ | $16 \frac{1}{2}$ | Iudia | ... | $\ldots$ | British Museum. |
| $24^{\frac{1}{4}}$ | $5 \frac{1}{3}$ | II | Do. | ... | ... | Sir Robert Harvey, Bart. |
| $24^{\frac{1}{4}}$ | 51 ${ }^{\frac{1}{8}}$ | 13 年 | Do. | ... | ... | British Museum. |
| 24 | $5 \frac{1}{2}$ | $12 \frac{1}{2}$ | Do. | $\ldots$ | ... | Hume Collection, British Museum. |
| 24 | $5{ }^{3}$ | $14 \frac{3}{8}$ | Do. | ... | ... | B. H. Hodgson, British Museum. |
| 23 3 | $5{ }^{\text {a }}$ | 143 | Do. | ... | ... | British Museum. |
| $23 \frac{5}{8}$ | $5^{\frac{1}{4}}$ | 115 | Do. | ... | ... | H. C. V. Hunter. |
| $23 \frac{1}{2}$ | 5 | $14 \frac{3}{\text { a }}$ | Do. | ... | ... | Reginald Beech. |
| $23 \frac{3}{8}$ | $5 \frac{1}{8}$ | $10 \frac{3}{8}$ | Do. | ... | ... | H. C. V. Hunter. |
| $23 \frac{3}{8}$ | $5^{\frac{7}{8}}$ | $9{ }^{\frac{7}{8}}$ | Do. | ... | ... | Do. |
| $23^{\frac{1}{4}}$ | $5 \frac{3}{3}$ | $14 \frac{5}{8}$ | Do. | ... | ... | Hon. Walter Rothschild. |
| $23^{\frac{1}{4}}$ | $5^{\frac{1}{4}}$ | $14 \frac{1}{8}$ | Do. | $\cdots$ | .. | Rowland Ward's Collection. |
| $23 \frac{1}{4}$ | $5^{\frac{1}{4}}$ | $10 \frac{7}{8}$ | Do. | ... | ... | J. Carr-Saunders. |
| $23 \frac{1}{8}$ | $5 \frac{1}{8}$ | $9{ }^{\frac{1}{2}}$ | Do. | $\ldots$ | ... | Sir Victor Brooke's Collection. |
| $22 \frac{7}{8}$ | $5 \frac{3}{8}$ | $13^{\frac{1}{2}}$ | Ladak | (15,000 |  | R. Lydekker, British Museum. |
| $22 \frac{3}{4}$ | 512 | $11 \frac{3}{8}$ | ... | ... | $\cdots$ | H. C. V. Hunter. |
| 225 | $5 \frac{1}{8}$ | $15 \frac{1}{8}$ | Nepal | .. | ... | B. H. Hodgson, British Museum. |
| $22 \frac{1}{2}$ | 5 | 12 | India | ... | ... | F. Morrice. |
| 223 | $5{ }^{5}$ | $10 \frac{3}{4}$ | Do. | ... | ... | H. C. V. Hunter. |
| 223 | $5^{\frac{1}{4}}$ | $1{ }^{1} \frac{1}{8}$ | Do. | ... | ... | Hon. Charles Ellis. |
| 22 | 51 | $11 \frac{3}{5}$ | Do. | ... | ... | H. C. V. Hunter. |
| $21{ }^{\frac{3}{4}}$ | $5 \frac{3}{8}$ | $12 \frac{1}{4}$ | Do. | $\ldots$ | ... | Hume Collection, British Múseum. |
| 205 | 5 | 115 | Do. | ... | ... | H. C. V. Hunter. |
| $20 \frac{1}{2}$ | 5 | $9^{\frac{1}{2}}$ | Do. | ... | ... | Capt. M. Murphy. |
| 203 | $5^{\frac{1}{4}}$ | $10^{\frac{1}{4}}$ | Do. | ... | $\ldots$ | Hume Collection, British Museum. |
| $19 \frac{3}{4}$ | 51 | $11 \frac{1}{2}$ | Do. | ... | ... | H. C. V. Hunter. |
| 19 | $5 \frac{1}{8}$ | $9 \frac{3}{4}$ | Do. | ... | $\cdots$ | Do. |



## GRANT'S GAZELLE (Gazella granti).

[Sir Victor Brooke, Bart., P.Z.S. 1878, p. 723.]
General colour, very rich fawn tinged with purple, the neck and back in certain lights mottled like watered silk; this pattern is gained by indefinitely bounded bands of darker hair. Central facial band darker than the neck and body and strongly tinged with rufous on the forehead; a large black patch above the nostrils; large facial streaks very definite, white; dark facial streak black, extending from the base of the horn to the eye, which it almost encircles, and from the eye to above the corners of the mouth; posterior to the eye is a small white patch; external surface of the ear-conchs streaked with dark brown; dark lateral and pygal bands distinctly marked, the former grizzled, the latter very broad and jet-black; lower two thirds of the tail black, the upper third white; the tip of the tail is tufted; for the remainder of its length, it is furnished with coarse hairs which project at right angles to its axis; chin, lower surface of the head, breast, belly, inside of limbs, and
rump white; the white of the rump extending forwards in an angle into the darker colour of the body; knee-brushes of moderate length, grizzled ; horns of great length in both sexes, much compressed from side to side, marked by strong annulations which completely surround the horn for the proximal half of its length, but become obsolete on the posterior surface of its distal or upper half. The horns diverge at first gradually, then more boldly, their tips converging and giving to the set of the horns a remarkably perfect lyrate form.

## Comparison with allied Species.

Gazella granti belongs, as pointed out in my former description, to the group of long-limbed large Gazelles which are distinguished by the white of the rump projecting in an angle into the fawncolour of the back and sides (vide P.Z.S. 1873, p. 537, B.). The allied species are G. sœmmerringi, mohr, and dama. From all these it differs in the very much greater size, and in the form of the horns. It is also peculiar in the presence of the dark lateral band, which is wanting in the three above-named species, and in the remarkably definite black pygal band, which is only shown in very young specimens of G. sœmmerringi, is absent entirely in G. dama, and only indefinitely shown in G. mohr. In the wateredsilk mottling of the neck and back Gazella granti differs from all other known Gazelles.

Habitat-East Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 | $\ldots$ | 10 | East Africa | $\ldots$ | Sir John Willoughby, Bart., " East <br> Africa and its Big Game." |
| $28 \frac{1}{4}$ | $6 \frac{5}{8}$ | $15 \frac{1}{8}$ | Do. | $\ldots$ | F. J. Jackson. |
| $27 \frac{7}{8}$ | $6 \frac{5}{8}$ | $18 \frac{3}{8}$ | Do. | $\ldots$ | H. C. V. Hunter. |
| $27 \frac{5}{8}$ | $6 \frac{3}{4}$ | $21 \frac{1}{2}$ | Do. | $\ldots$ | F. J. Jackson. |
| $27 \frac{1}{4}$ | $6 \frac{1}{2}$ | $18 \frac{7}{8}$ | Do. | $\ldots$ | Sir Robert Harvey, Bart. |

GRANT'S GAZELLE (Gazella granti)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 27 | ... | 16 | East Africa | ... | Sir John Willoughby, Bart. |
| $26 \frac{3}{4}$ | 63 | $12 \frac{1}{2}$ | Do. | $\ldots$ | H. C. V. Hunter. |
| 261 ${ }^{\frac{1}{2}}$ | $7{ }^{\frac{1}{2}}$ | $13^{\frac{1}{4}}$ | Do. | ... | F. J. Jackson. |
| $26 \frac{3}{6}$ | $6 \frac{7}{8}$ | 1778 | Do. | $\cdots$ | H. C. V. Hunter. |
| $26 \frac{1}{4}$ | $6 \frac{3}{8}$ | 163 | Do. | ... | Sir Victor Brooke's Collection. |
| 26 | $6 \frac{3}{4}$ | $15^{\frac{3}{4}}$ | Do. | ... | Sir Robert Harvey, Bart. |
| 259 | 67 | $15 \frac{5}{8}$ | Do. | ... | Do. |
| $25 \frac{1}{2}$ | $6 \frac{5}{8}$ | 11 | Do. | ... | F. J. Jackson, |
| 251 ${ }^{\frac{1}{2}}$ | 7 | $14{ }^{\frac{1}{2}}$ | ... ... | ... | Rowland Ward's Collection. |
| 25 | 612 | 14 | East Africa | ... | T. W. H. Greenfield. |
| $24 \frac{1}{8}$ | $6 \frac{3}{4}$ | $1 I^{\frac{1}{4}}$ | Do. | $\ldots$ | H. C. V. Hunter. |
| 24 | 6 | 14 | Do. | ... | Sir John Willoughby, Bart. |
| 24 | 6\% | $9^{\frac{1}{4}}$ | Do. | ... | Rowland Ward's Collection. |
| $23 \frac{5}{6}$ | 7 | $12 \frac{1}{4}$ | Do. | $\ldots$ | Sir Robert Harvey, Bart. |
| $23 \frac{5}{8}$ | $6 \frac{1}{2}$ | $13^{\frac{1}{ \pm}}$ | Do. | ... | H. C. V. Hunter. |
| 23砍 | $6 \frac{3}{8}$ | $11 \frac{1}{8}$ | Do. |  | Sir Robert Harvey, Bart. |
| 23 ${ }^{\frac{1}{2}}$ | $7 \frac{1}{8}$ | $11 \frac{3}{4}$ | Do. |  | Do. |
| 23 | $7 \frac{1}{4}$ | 9 | Do. |  | E. Gedge. |
| 23 | $6 \frac{5}{8}$ | $10 \frac{5}{8}$ | Do. |  | Sir Robert Harvey, Bart. |
| 223 | $6 \frac{3}{3}$ | $12 \frac{1}{8}$ | Do. | ... | Hon. Walter Rothschild. |
| $22 \frac{5}{8}$ | $6 \frac{1}{8}$ | $16 \frac{1}{4}$ | Do. | ... | Sir Robert Harvey, Bart. |
| 22 $\frac{1}{2}$ | $6 \frac{3}{8}$ | $11{ }^{\frac{1}{2}}$ | Do. | - | Do. |
| 2212 | $6 \frac{1}{2}$. | $9{ }^{3}$ | Do. | ... | F. J. Jackson. |
| $22 \frac{1}{4}$ | $6 \frac{1}{2}$ | $9 \frac{7}{8}$ | Do. | ... | H. C. V. Hunter. |
| $22 \frac{1}{8}$ | $6 \frac{3}{8}$ | $5{ }^{\frac{7}{8}}$ | Mount Land | ... | F. J. Jackson, British Museum. |
| 22 | 7 | 9 | East Africa | ... | E. Gedge. |
| 22 | $6 \frac{1}{2}$ | $14 \frac{1}{2}$ | Do. | ... | W. Astor Chanler. |

GRANT'S GAZELLE (Gazella granti)-continuct.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
|  | $6 \frac{1}{2}$ | 15 | East Africa ... | R. P. Carrol. |
| 21 | $5{ }^{\frac{3}{8}}$ | 7 | Do. | F. J. Jackson. |
| $20 \frac{3}{1}$ | 63 | $9{ }^{\frac{7}{3}}$ | Do. ... | J. Carr-Saunders. |
| $20 \frac{1}{4}$ | $5{ }^{\frac{5}{8}}$ | $8 \frac{1}{3}$ | Do. | British Museum. |
| 197 | $5{ }^{3}$ | $6 \frac{5}{8}$ | Do. ... | F. J. Jackson. |
| 195 | $6 \frac{1}{2}$ | $7 \frac{1}{8}$ | River Juba, Somali Land. | Sir John Kirk, M. D., K.C.B. |
| 185 | $6 \frac{1}{4}$ | $8 \frac{1}{4}$ |  | Do. |
| $17 \frac{3}{\text { 号 }}$ | $6 \frac{1}{8}$ | $5 \frac{3}{4}$ | Do. | Do. |
| ¢ $17 \frac{1}{2}$ | $3^{\frac{3}{4}}$ | 9 | East Africa ... | H. C. V. IIunter |
| ¢ 17 | $\ldots$ | 6 |  | Sir John Willoughby, Bart., "East Africa and its Big Game." |
| 17 | 61 | $11 \frac{1}{4}$ | South Somali Land | Sir John Kirk, M.D., K.C.B., British Museum. |
| 915 | 4 | $6 \frac{3}{4}$ | East Africa ... | E. Gedge. |
| ¢ $12 \frac{3}{8}$ | $3^{\frac{1}{2}}$ | $7{ }^{\text {号 }}$ | South Somali Land | Sir John Kirk, M.D., K.C.B., British Museum. |
| $\bigcirc{ }^{\text {P }} 12 \frac{1}{4}$ | $3{ }^{3}$ | $5{ }^{\frac{5}{8}}$ | River Juba, Somali Land. | Sir John Kirk, M. D., K.C.B. |



## SEFMMERRING'S GAZELLE (Gazella sœmmerringi).

(Somali name-"Awal.")
[Sir Victor Brooke, Bart., P.Z.S., 1873, p. 549.]
Hair smooth and short. Facial band blackish, slightly rufous ietween the horns; light facial streak white, well marked; dark facial streak blackish, very definite, running through the eye and leaving its upper end as a black spot isolated above it. A spot below the eye, chin, throat, and a spot in front of the neck white; lateral bands wanting ; breast, belly, tail, and rump white, the white of the latter encroaching into the sandy fawn-colour of the rest of the body and the haunches. Knee-brushes well developed. Ears long, bordered externally with black. Horns in the male lyrate, massive, and strongly annulated, well developed but less massive in the female. Height about 30 in .

Habitat-Abyssinian coast of the Red Sea, Danakil and Somali countries, Berber, and East Senaar (Henglin).

| Length. | Circumference | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $19 \frac{1}{2}$ | $5^{\frac{1}{3}}$ | 5每 | Somali Land ... | T, W. H. Clarke. |
| $19 \frac{1}{4}$ | $5{ }^{\frac{1}{2}}$ | $6 \frac{1}{2}$ | Do. | Do. |
| 19 | $5{ }^{3}$ | 3 | Do. | Gen. Trewell. |
| 19 | 5 | 4 | Do. | Col. A. Paget. |
| ¢ $\mathrm{I}_{18 \frac{1}{4}}$ | $5^{\frac{1}{1}}$ | 6 | Do. | T. W. H. Clarke. |
| $18_{\frac{1}{8}}$ | $5 \frac{3}{8}$ | $4^{\frac{1}{2}}$ | Do. | W. D. James. |
| 18 | $5^{\frac{1}{t}}$ | 7 | Do. | Marquis of Ailsa. |
| 18 | 5 | $3^{\frac{1}{4}}$ | Do. | T. W. H. Clarke. |

SGMMMERRING'S GAZELLE (Gazella sœmmerringi)-continutd.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owne.. |
| :---: | :---: | :---: | :---: | :---: |
| $17 \frac{3}{4}$ | $5 \frac{5}{8}$ | $3^{\frac{1}{2}}$ | Somali Land ... | W. D. James. |
| $17 \frac{3}{8}$ | 512 | $5 \frac{3}{4}$ | Do. | A. H. Straker. |
| 17 | 5 ${ }^{\frac{1}{2}}$ | $4{ }^{\frac{3}{4}}$ | Do. | Capt. Bartelot. |
| 178 | $5 \frac{1}{8}$ | $2 \frac{1}{2}$ | Do. | C. Liddell. |
| $17 \frac{1}{4}$ | 5 | $4 \frac{1}{1}$ | Do. | C. Liddell. |
| 17 | $5^{\frac{1}{4}}$ | $3^{\frac{1}{4}}$ | Do. | Hon. Walter Rothschild. |
| 167 | $5 \frac{3}{8}$ | $6 \frac{1}{8}$ | Abyssinia ... | British Museum. |
| $16 \frac{1}{2}$ | $5^{\frac{1}{4}}$ | 7 | Somali Land ... | Capt. H. G. C. Swayne. |
| $16 \frac{1}{3}$ | $5 \frac{1}{8}$ | $3 \frac{3}{8}$ | Do. | T. W. H. Clarke. |
| 163 | 5 | $1 \frac{3}{4}$ | Do. | E. Lort-Phillips. |
| 16 | $3 \frac{3}{8}$ | $3 \frac{3}{8}$ | Do. | E. P. Hare. |
| 16 | 5 | $4 \frac{7}{8}$ | Do. | E. Lort-Phillips, |
| 우6 | $3 \frac{1}{8}$ | 6 | Do. | Rowland Ward's Collection. |
| $15 \frac{1}{2}$ | $5^{\frac{1}{2}}$ | 4 (owner's | Do. | J. D. Inverarity. |
| $15 \frac{3}{8}$ | $5 \frac{1}{8}$ | $7^{\frac{1}{8}}$ | Do. | J. Carr-Saunders. |
| $15 \frac{1}{2}$ | $5{ }^{\frac{3}{3}}$ | 5 | Soudan ... | Col. Ralph Vivion. |
| $15 \frac{3}{8}$ | $5 \frac{1}{8}$ | $3{ }^{\frac{3}{8}}$ | Somali Land ... | Lord Delamere. |
| ¢ $15 \frac{3}{8}$ | $3 \frac{3}{8}$ | $5^{\frac{3}{8}}$ | Do. | W. D. James, |
| $14 \frac{3}{4}$ | $5^{\frac{1}{2}}$ | $4^{\frac{1}{4}}$ | $\cdots \quad \cdots \quad$. | B. Cotton. |
| $14^{\frac{1}{2}}$ | $5 \frac{1}{8}$ | $5^{\frac{1}{3}}$ | $\cdots \quad \cdots$ | Capt. W. H. Besant. |
| J $4^{\frac{1}{2}}$ | 5 | $6 \frac{1}{8}$ | $\cdots$... ${ }^{\text {... }}$ | Do. |
| $14^{\frac{1}{2}}$ | 5 | 4 | Soudan ... | Col. Ralph Vivian. |
| $14 \frac{3}{3}$ | $5 \frac{1}{8}$ | $5 \frac{7}{8}$ | Somali Land ... | Lord Delamere. |
| ¢ $144^{\frac{1}{4}}$ | $2 \frac{3}{4}$ | $10 \frac{1}{1}$ | Do. | C. H. Villiers. |
| 141 $\frac{1}{8}$ | $5 \frac{3}{8}$ | $1 \frac{1}{4}$ | Bogos Country, Abyssinia. | British Museum. |
| 14 | $3 \frac{5}{8}$ | $6 \frac{1}{4}$ | Somali ... | Lord Delamere |
| 14 | 53 | $5^{\frac{1}{2}}$ | Soudan ... | Col. A. Paget. |

## SGMMERRING'S GAZELLE (Gazella sœmmerringi)-continued.

| Length, | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 134 | 513 | 6 | ... ... | $\ldots$ | W. D. James. |
| $13{ }^{\frac{3}{4}}$ | $5^{\frac{1}{2}}$ | $5{ }^{\frac{3}{8}}$ | ... ... | ... | Capt. W. H. Besant. |
| $13{ }^{\frac{1}{2}}$ | $5^{\frac{1}{4}}$ | 4 | North-East Africa. |  | Sir Victor Brooke's Collection. |
| $13 \frac{1}{2}$ | $5 \frac{3}{5}$ | $5 \frac{5}{8}$ | ... ... | ... | Hon. Walter Rothschild. |
| $13{ }^{\frac{1}{4}}$ | $5 \frac{1}{8}$ | 612 | ... ... | .. | Capt. W. H. Besant. |
| 13 | $5^{\frac{1}{2}}$ | 5 | ... ... | ... | Do. |
| 아 125 | $3^{\frac{1}{2}}$ | $8_{\frac{1}{4}}^{1}$ | Soudan | ... | Col. Ralph Vivian. |
| 아 $12 \frac{1}{2}$ | 3要 | $7 \frac{1}{8}$ | Do. | ... | Do. |
| 123 | $5 \frac{1}{8}$ | $4{ }^{\frac{3}{4}}$ | ... | ... | Rowland Ward's Collection. |
| ¢ 12 | $3{ }^{\frac{1}{x}}$ | 51 ${ }^{\frac{1}{8}}$ | Abyssinia | ... | Sir Victor Brooke's Collection. |
| 12 | $4{ }^{\frac{7}{8}}$ | 3 | ... ... | ... | Capt. J. J. Palmer. |
| $11^{1}$ | $4{ }^{\frac{3}{1}}$ | 4 | ... ... | ... | J. Carr-Saunders. |
| 아 812 | $3 \frac{3}{4}$ | $5^{\frac{1}{2}}$ | ... ... | $\cdots$ | Hon. Walter Rothschild. |

## MOHR (Gazella mohr).

[Sir Victor Brooke, Bart., P.Z.S. 1873, p. 548.]
Harr close-set and smooth; central facial band grizzled rufous above, fading away below into the dirty white of the lower parts of the face and cheeks; dark facial streak thin, but definite, black ; spot on the throat, breast, belly, anterior of hind legs and posterior of fore legs, rump, and tail (with the exception of the black tip) white ; the white of the rump projects forwards into the deep rufous fawn-colour of the neck, back, sides, and haunches ; this colour, which is darkest on the neck, runs down the front of the fore and outside of the hind extremities; lateral bands wanting; pygal band blackish rufous, very thin and short; ears moderate; horns in both sexes; in the male very massive and rather short, strongly annulated, the points projecting suddenly and boldly forwards; knee-brushes long; height about 34 in .

The Mohr or Mhore, is 4 ft .2 in . long from the nose to the origin of the tail, 2 ft . 6 in . high at the shoulder, and 2 ft .8 in . at the croup; the length of the head from the nose to the root of the horn is 7 in . ; that of the horn $9 \frac{1}{2} \mathrm{in}$. on the curve, and $7 \frac{1}{2} \mathrm{in}$. in a straight line; and that of the tail 7 in . without the terminal tuft.

Habitat-Senegal.

| Length. | Circumference. | Tip to Tip. | Habita |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 아 12 | $3^{\frac{1}{1}}$ | $5 \frac{1}{8}$ | Abyssinia | ... | Sir Victor Brooke's Collection. |
| 7 | $4^{\frac{1}{4}}$ | $2 \frac{1}{2}$ | Do. | $\cdots$ | Dr. Ruppell, British Museum. |



SOIMALI LOWLAND GAZELLE (Gazella spekei).
(Somali name-" Dhero.")
Habitat-Somali, North-East Africa.
This gazelle has also been named Gazella nasu.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $1{ }^{1} \frac{1}{2}$ | 438 | $2 \frac{3}{4}$ | Somali Land ... | T. W. H. Clarke. |
| $\mathrm{II}_{1}^{1}$ | 4年 | $4{ }^{\frac{1}{3}}$ | Do. ... | Do. |
| 1111 | 4 | $5^{\frac{1}{4}}$ | Do. | C. Liddell. |
| 11 | $3{ }^{\frac{7}{8}}$ | $4 \frac{1}{8}$ | Do. | Capt. H. G. C. Swayue. |
| £0\% | $3{ }^{7}$ | $2 \frac{7}{8}$ | Do. ... | T. W. H. Clarke. |
| 10 年 | $4{ }^{\frac{1}{2}}$ | 4 | Do. | Do. |
| $10 \frac{3}{4}$ | $3 \frac{3}{1}$ | $3{ }^{\frac{3}{1}}$ | Do. | E. Lort-Phillips. |

SOMALI LOWLAND GAZELLE (Gazella spekei)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $10 \frac{3}{4}$ | 418 | $4^{\frac{1}{4}}$ | Somali Land ... | Col. A. Paget. |
| $10 \frac{1}{2}$ | $3 \frac{7}{8}$ | $4 \frac{1}{8}$ | Do. ... | A. H. Straker. |
| $10 \frac{3}{8}$ | $3^{\frac{3}{1}}$ | $3^{\frac{3}{4}}$ | Do. ... | E. Lort Phillips. |
| $10 \frac{18}{13}$ | 4 | $3 \frac{7}{8}$ | Do. ... | T. W. H. Clarke. |
| $10 \frac{1}{8}$ | $3 \frac{7}{8}$ | $4 \frac{1}{2}$ | Do. ... | Hon. Walter Rothschild. |
| $10 \frac{1}{8}$ | $3 \frac{5}{8}$ | $3^{\frac{1}{2}}$ | Do. ... | W. D. James. |
| 10 | 4 | $4^{\frac{3}{4}}$ | Do. ... | Rowland Ward's Collection. |
| 10 | 4 | (owner's measurement) | Do. | J. D. Inverarity. |
| O 9 ${ }^{\frac{1}{2}}$ | $2 \frac{7}{8}$ | $3^{\frac{1}{ \pm}}$ | Do. | T. W. H. Clarke. |
| ¢ 9 | $2 \frac{1}{2}$ | (owner's measurement) | Do. ... | J. D. Inverarity. |

## SOMALI PLATEAU GAZELLE (Gazella pelzelni).

This is common round Berbera, but is replaced by Gazella spekei. when the Somali plateau is reached. It has often been mistaken for Gazella spekei, but can readily be distinguished from that species by its straighter horns and the absence of the loose skin on the nose.

Habitat-North-East Africa, Somali.


## ARABIAN GAZELLE (Gazella arabica).

[Sir Victor Brooke, Bart., P.Z.S. 1873, p. 544.]
Hair very short and smooth; central facial band rich bay above, darker below, forming a nose-spot; light facial streak very strongly marked, running from the base of the horn over the eye, stopping just below the nose-spot; dark facial streak distinct, blackish; breast and belly white ; dark lateral and pygal bands grizzly brown ; light lateral band grizzly fawn ; upper parts of the sides and back rich grizzled bay in adult specimens, the younger animals being greyer; knee-brushes well developed, blackish ; tail black; horns massive, the annulations wide apart, diverging gradually from two-thirds their length, the upper third diverging more decidedly, and leaning a little forwards; ears moderate ; size about equal to that of Gazella dorcas.

Habitat-South Arabia.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $S^{\frac{1}{2}}$ | 4 | 2 | Mosha, South Arabia. | W. T. Blandford, British Museum. |
| $4 \frac{7}{8}$ | $3^{\frac{1}{8}}$ | $3 \frac{5}{8}$ | $\ldots \quad \text {... ... }$ |  |

## DORCAS GAZELLE (Gazella Dorcas).

[Sir Victor Brooke, Bart., P.Z.S. i873, p. 538.]
Hair rather long and coarse; central facial band rufous above, inclining to fawn-colour towards the nostrils; a dark nose-spot sometimes present, not depending on age or sex; light facial streak distinct, encircling the eye; dark facial streak definite, brownish rufous; upper and under lip, breast, and belly white ; dark lateral and pygal bands very definite, rufous brown; light lateral band distinguishable from the rich fawn-colour of the upper parts of the back by
its more silvery hue; knee-brushes well developed, in colour variable; tail black, long, and tapering; horns long and annulated, rather slender, with their points bent inwards and forwards; ears about $5^{\frac{1}{2}} \mathrm{in}$. ; height at shoulder barely 24 in .

Habitat-Syria, North Arabia, Egypt, Algeria, Morocco, and Senegal.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $13^{\frac{1}{4}}$ | $3 \frac{5}{8}$ | (touch) | Algeria ... ... | Rowland Ward's Collection. |
| $13 \frac{1}{8}$ | $4{ }^{\frac{1}{1}}$ | $2 \frac{1}{2}$ | Do. ... | Sir Edmund G. Loder, Bart. |
| $13{ }^{\frac{1}{8}}$ | 31 ${ }^{\frac{1}{2}}$ | 2 | Do. ... | Do. |
| $12 \frac{1}{2}$ | 35 | $4^{\frac{3}{4}}$ | Do. ... | Rowland Ward's Collection. |
| $12 \frac{3}{8}$ | $3{ }^{\frac{3}{1}}$ | $2{ }^{\text {3 }}$ | Do. . | Sir Edmund G. Loder, Bart. |
| 123 | $3{ }^{3}$ | ... | ... ... ... | British Museum. |
| $12 \frac{1}{8}$ | 4 | $2 \frac{1}{2}$ | Algeria ... ... | Rowland Ward's Collection. |
| 117 | 35 | 412 | ... ... ... | Sir Victor Brooke's Collection. |
| $11 \frac{1}{4}$ | $3^{\frac{1}{2}}$ | $3{ }^{7}$ | ... ... ... | E. N. Buxton. |
| 11 | $3{ }^{\frac{7}{8}}$ | $3 \frac{1}{8}$ | ... | British Museum. |
| $10 \frac{1}{8}$ | 4 | $2 \frac{1}{4}$ | Shores of Red Sea | Do. |
| $10 \frac{1}{8}$ | $3 \frac{5}{8}$ | $2 \frac{3}{4}$ | Nubia ... | Sir Victor Brooke's Collection. |
| $9{ }^{7}$ | 4 | 41 | ... ... ... | E. Lort-Phillips. |
| $9{ }^{\frac{1}{2}}$ | $3^{\frac{1}{2}}$ | $3{ }^{\frac{7}{8}}$ | ... | British Museum. |
| $8 \frac{7}{8}$ | 4 | 41 | ... ... ... | E. Lort-Phillips. |
| 87 | $3 \frac{3}{8}$ | $3^{\frac{1}{7}}$ | ... ... ... | British Museum. |
| $8 \frac{1}{8}$ | $3{ }^{\frac{5}{8}}$ | $2 \frac{3}{4}$ | ... ... ... | Capt. J. J. Palmer. |
| 8 | $3 \frac{1}{2}$ | $4^{\frac{1}{2}}$ | Shores of Red Sea | British Museum. |
| $96 \frac{5}{8}$ | $2 \frac{1}{4}$ | $2 \frac{1}{4}$ | $\ldots$ | Capt. J. J. Palmer. |

## ISABELLA GAZELLE (Gazella isabella).

[Sir Victor Brooke, Bart., P.Z.S. 1873, p. 539.]
Hair very short and soft ; central facial band sandy-rufous; nosespot absent; light facial streak present but indefinite, running into the dark facial streak, which is in some specimens but faintly marked; dark lateral band almost obsolete; light lateral band of a delicate pale fawn-colour, distinctly visible against the isabelline sandy fawn-colour of the back and haunches; tail variable, but generally rufous for a large part of its length, the tip blackish; horns short, massive, and strongly ringed, the tips bent suddenly forwards and inwards; ears very long; height less than that of the last species (barely 24 in . at shoulder).

Habitat-Kordofan, Senaar.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $10 \frac{1}{4}$ | $3 \frac{3}{4}$ | $2 \frac{3}{4}$ | Anseba River, Abyssinia. | Sir Victor Brooke's Collection. |
| 101 | $3^{\frac{3}{4}}$ | 4 | Komayli, Abyssinia | W. T. Blandford, British Museum. |
| $9 \frac{3}{4}$ | $3{ }^{3}$ | $2 \frac{3}{6}$ | Bogos Land ... | Sir Victor Brooke's Collection. |
| 97 | 2 | 3 | $\cdots$... $\quad .$. | Do. |
| ¢ 7 | 17 | 23 | Kordofan | British Museum. |
| ¢ 67 | $2 \frac{1}{2}$ | $2 \frac{1}{8}$ | Do. ... | Do. |

## GAZELLA DAMA.

[Sir Victor Brooke, Bart., P.Z.S. 1873, p. 547.]
Hair short and smooth; facial and lateral markings wanting; neck, and upper part of the neck, sandy-red; face, spot on the throat, and the rest of the body and limbs white; knee-brushes well developed ; ears moderate; horns lyrate, strongly annulated, well developed in both sexes.

Habitat-Desert of Korti (Rupp.), Southern Nubia, and Kordofan (Heugl.).

GAZELLA DAIMA-continued.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $1{ }^{\frac{3}{4}}$ | 6 | $3{ }^{3}$ | Wednoon, Mogador. | W. Willshire, British Museum. |
| $10 \frac{1}{2}$ | $4{ }^{\frac{5}{8}}$ | $6 \frac{3}{8}$ | Senegal ... ... | Sir Victor Brooke's Collection. |

## GAZELLA RUFIFRONS.

[Sir Victor Brooke, Bart., P.Z.S. 1873, p. 540.]
Central facial streak uniform sandy-yellow; light facial streak indefinite; dark facial hardly distinguishable from the colour of the cheeks, which are sandy-yellow; dark lateral band distinctly marked, brown; light lateral band plainly shown between the dark streak and the yellowish fawn-colour of the back and haunches; pygal-band indistinct; no knee-brushes; height, a little over 2 feet.

Habitat-Senegal.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $6 \frac{1}{8}$ | $2 \frac{1}{4}$ | $2 \frac{7}{8}$ | Bogos Country, <br> Abyssinia. | British Museum. |

ADDRA GAZELLE (Gazella ruficollis).
IT is about 5 ft .4 in . long, and 3 ft . at shoulders; the head is 8 in . long, and tail about 9 in .

Habitat-North Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. |  | Owner. |
| ---: | :---: | :---: | :--- | :--- | :--- |
| $\mathbf{I 2 \frac { 1 } { 4 }}$ | 4 | $5 \frac{5}{8}$ | Senaar | $\ldots$ | $\ldots$ |
| $\mathbf{I I} \frac{7}{8}$ | $5 \frac{5}{8}$ | $\frac{5}{8}$ | Kritish Museum. |  |  |

## PERSIAN and YARKUND GAZELLE (Gazella subgutturosa).

[Sir Victor Brooke, Bart., P.Z.S. 1873, p. 545.]
Hair in winter rough and coarse; in summer, much softer and smoother. During both seasons the dirty-white of the face and cheeks is only relieved by the dark facial streak, which is short and narrow, but defined by a sprinkling of rufous hairs; the lateral and pygal bands are very faintly indicated, the dark bands being more rufous, the light band rather paler than the grey fawn-colour of the upper parts of the body; breast and belly white; tail and ears moderate in length, the former blackish-rufous; horns absent in the female; in the male long, annulated, and lyrate, the points projecting inwards; height, about 26 in.

Habitat-High plateau of Persia, Northern Beloochistan, Afghanistan.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $13{ }^{3}$ | 43 | 6 | Saissan, West Siberia. |  | Dr. O. Finsch, British Museum. |
| $13 \frac{3}{8}$ | $4 \frac{3}{4}$ | 512 | ... ... | ... | Hume Collection, British Museum. |
| 13 | $4{ }^{\frac{1}{2}}$ | 5 | $\ldots$ | ... | Do. |
| $12 \frac{1}{4}$ | $4{ }^{\frac{3}{x}}$ | $4 \frac{3}{8}$ | ... ... | - | Do. |
| $12 \frac{5}{8}$ | $4{ }^{\text {爯 }}$ | 51 | ... ... | ... | Do. |
| 113 | 5 | $5 \frac{1}{8}$ | .. | .. | Do. |
| $10 \frac{3}{4}$ | $4^{\frac{1}{4}}$ | 67 | ... ... | ... | Hon. Walter Rothschild. |
| $10{ }^{5}$ | 4 | $3 \frac{1}{8}$ | ... ... | ... | Hume Collection, British Museum. |
| $6 \frac{1}{8}$ | $3^{\frac{7}{5}}$ | 2 | .. | ... | Do. |
| $5{ }^{3}$ | $3{ }^{\frac{3}{5}}$ | $\frac{5}{8}$ | ... ... | ... | Do. |

## GUTTUROSA ANTELOPE (Gazella gutturosa).

[Sir Victor Brooke, Bart., P.Z.S. 1873, p. 546.]
Hair in winter long and coarse; anterior part of the face slightly darker than the pale grizzled fawn-colour of the sides of the face, neck, back, sides, and haunches; facial and lateral markings wanting; belly and anal disc, which surrounds the very short tail (the root of which is white, the tip fawn-colour), dirty white.

In summer all the parts which are grizzled fawn in winter are of an "intense isabel yellow" (vid. Radde) ; ears very short; horns short, weakly annulated, the curves as in the last species (G. Subgutturosa), but much less boldly shown ; height about 30 in.

Skull: anteorbital fossa very shallow; nasals converge to a point and are rather elongated.

Habitat-Mongolia.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $13^{\frac{1}{8}}$ | $4 \frac{5}{8}$ | 61 | Mongolia | Sir Edmund G. Loder, Bart. |
| 12 年 | $4 \frac{3}{8}$ | $3{ }^{3}$ | Altai ... | St. George Littledale. |
| $12{ }^{\frac{1}{4}}$ | $4{ }^{\frac{3}{8}}$ | $4^{\frac{3}{4}}$ | ... ... ... | Do. |
| $11 \frac{1}{2}$ | $4^{\frac{7}{8}}$ | 3 | Chinese Mongolia | Reginald Beech. |
| $10 \frac{1}{1}$ | $4 \frac{3}{8}$ | $2 \frac{3}{4}$ | Russia ... ... | British Museum. |
| $9{ }^{\frac{3}{4}}$ | $4 \frac{1}{8}$ | $4{ }^{3}$ | Pekin ... . | R. Swinhoe, British Museum. |
| $7{ }^{\frac{3}{8}}$ | $3{ }^{\frac{3}{4}}$ | $2 \frac{1}{2}$ | Do. ... ... | Do. |



THIBETAN RAVINE DEER (Gazella picticaudata).
Female without Horns.
Habitat-Western Thibet and Mongolia.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $13^{\frac{1}{2}}$ | $3{ }^{\frac{5}{8}}$ | $5{ }^{\frac{1}{4}}$ | ... ... | ... | Hume Collection, British Museum. |
| $13 \frac{1}{8}$ | 4 | $3{ }^{\frac{5}{8}}$ | Thibet ... | ... | H. C. V. Ifunter. |
| 13 | $3{ }^{\frac{3}{4}}$ | $3^{\frac{1}{2}}$ | ... ... | ... | Do. |
| 127 | $3^{\frac{7}{8}}$ | $4{ }^{3}$ | ... ... | ... | A. O. Hume, Private Collection. |
| 127 | $3{ }^{\frac{7}{8}}$ | $4 \frac{3}{3}$ | ... ... | ... | B. H. Hodgson, British Museum. |
| $12 \frac{3}{4}$ | $3{ }^{7}$ | $2 \frac{1}{2}$ | ... ... | $\ldots$ | Hume Collection, British Museum. |
| 125 | $3{ }^{\frac{1}{2}}$ | $2 \frac{1}{2}$ | ... ... | ... | Do. |
| $12 \frac{1}{1}$ | $3{ }^{\frac{3}{1}}$ | $4{ }^{\frac{3}{4}}$ | Thibet ... | $\ldots$ | H. C. V. Hunter. |
| $12 \frac{1}{8}$ | $3{ }^{\frac{5}{8}}$ | $3^{\frac{1}{2}}$ | Do. ... | $\ldots$ | Do. |

THIBETAN RAVINE DEER (Gazella picticaudata)-contimucd.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 | $3{ }^{3}$ | $6 \frac{5}{8}$ | ... ... | ... | A. O. Hume, Private Collection. |
| 12 | 35 | $2 \frac{1}{2}$ | Thibet | ... | H. C. V. Hunter. |
| $1{ }^{\text {7 }}$ | $3{ }^{\text {3 }}$ | $4{ }^{\frac{1}{2}}$ | ... ... | ... | Sir Edmund G. Loder, Bart. |
| 115 | $3{ }^{3}$ | $5{ }^{7}$ | Thibet | ... | B. H. Hodyson, British Museum, |
| $11 \frac{1}{2}$ | $3 \frac{5}{8}$ | $4 \frac{1}{8}$ | ... ... | ... | Hon, Walter Rothschild. |
| 115 | $3^{\frac{1}{4}}$ | $4^{\frac{7}{8}}$ | ... ... | ... | Rowland Ward's Collection. |
| $11_{1}^{\frac{1}{4}}$ | $3 \frac{1}{2}$ | $4{ }^{\frac{3}{1}}$ | Thibet | ... | B. H. Hodgson, British Museun.. |
| 11 | $3 \frac{5}{8}$ | 33 | Ladak ... | ... | R. Lydekker, British Museum. |
| $9{ }^{\frac{7}{8}}$ | $3^{\frac{1}{x}}$ | $3{ }^{5}$ | Thibet ... | ... | H. C. V. Hunter. |
| 8 | $3{ }^{\frac{3}{4}}$ | $3 \frac{1}{8}$ | ... ... |  | Sir Victor Brooke's Collection. |

## SPRINGBUCK (Gazella euchore).

[Sir Victor Brooke, Bart., P.Z.S. 1873, p. 550.]
Harr rather long but smooth; the central facial band has the upper part distinctly marked, but ends in a point between the eyes, rufous; the light facial streaks meet below the eyes, white; dark facial streak thin from above, downwards, but very definite, deep rufous; cheeks, line in front of the neck, breast, belly, inside of limbs, dorsal mane, starting from the anterior lumbar region, and tail (with the exception of the long black terminal hairs) white ; dark lateral and pygal bands deep rufous, the former very broad and well defined; light lateral band very faintly shown, being of a less rufous tint than the fawn-colour of the shoulders, upper parts of the back, and haunches; ears long; horns in both sexes, but very small in the female; in the male they are truly lyrate, strongly annulated, and massive, of moderate length; knee-brushes absent ; height at shoulder about 30 in .

Skull: nasal bones rather elongated and pointed; dentition, i. $\frac{0}{3}$, c. $\frac{0}{1}$, p. $\frac{3}{2}, \mathrm{~m} . \frac{3}{3}$; the first premolar in the upper jaw is almost rudimentary, its opposing tooth in the lower jaw is wanting; in the milkdentition, however, the first of the three lower molars is represented by an exceedingly small cylindrical tooth.

Habitat-South and West Africa. This species does not appear to occur in the Zulu country.

| Length on <br> curve. | Circum- <br> ference. | Tip to <br> Tip. | Widest <br> inside. | Habitat. | Owner. |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :--- |
| $15 \frac{1}{\frac{1}{4}}$ | $6 \frac{1}{4}$ | $3 \frac{7}{8}$ | 9 <br> (outside) | $\ldots$ | $\ldots$ | $\ldots$ | National Liberal Club. |
| $15 \frac{1}{8}$ | $6 \frac{1}{4}$ | $5 \frac{7}{8}$ | $\ldots$ | West Africa | $\ldots$ | Capt. F. Cookson. |  |
| $15 \frac{1}{8}$ | $5 \frac{3}{\frac{3}{4}}$ | $10 \frac{7}{8}$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | W. C. Oswell. |
| 15 | $5 \frac{3}{4}$ | 2 | $7 \frac{1}{2}$ | $\ldots$ | $\ldots$ | $\ldots$ | J. A. Nicoll. |

SPRINGBUCK (Gazella euchore)-continucd.

| Length on curve. | Circum. ference. | Tip to Tip. | Widest inside. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $14^{\frac{1}{4}}$ | 7 | $2 \frac{1}{2}$ | 8 | South Africa | ... | A. W. Davis. |
| $14^{\frac{1}{4}}$ | $6 \frac{1}{4}$ | 5 | $7^{\frac{3}{4}}$ | Do. | ... | C. Ansell. |
| 14 | 612 | $2 \frac{1}{4}$ | ... | Do. | ... | The late J. S. Jameson. |
| 14 | 59 | $4 \frac{1}{1}$ | 7 | $\cdots$ | ... | British Museum. |
| 14 | 512 | $5^{\frac{1}{2}}$ | $8 \frac{1}{2}$ | ... ... | $\cdots$ | J. A. Nicoll. |
| $13 \frac{7}{8}$ | 6 | 53 | $7 \frac{7}{8}$ | South Africa | . | F. C. Selous. |
| $13 \frac{5}{6}$ | $5 \frac{5}{8}$ | 31 | 6 | ... $\quad$. | ... | British Museum. |
| $13 \frac{5}{8}$ | 512 | 7 ${ }^{\frac{1}{8}}$ | ... | $\cdots$ | ... | Sir Victor Brooke's Collection. |
| $13 \frac{1}{2}$ | $5^{\frac{3}{8}}$ | $1 \frac{3}{4}$ | $5 \frac{3}{ \pm}$ |  | $\cdots$ | J. Carr-Saunders. |
| 133 ${ }^{\frac{3}{8}}$ | $5 \frac{7}{8}$ | $4 \frac{3}{8}$ | $6 \frac{1}{2}$ | South Africa | $\cdots$ | F. C. Selous. |
| $13{ }^{\frac{1}{4}}$ | 53 | $5 \frac{3}{8}$ | $7 \frac{7}{8}$ | $\cdots$... | - | British Museum. |
| $13^{\frac{1}{4}}$ | $5^{\frac{1}{4}}$ | 5 | ... | $\cdots \quad$... | ... | Sir Edmund G. Lorler, Bart. |
| 13 | $6 \frac{1}{2}$ | $4 \frac{5}{8}$ | $\begin{gathered} 9 \frac{1}{2} \\ \text { (outside) } \end{gathered}$ | South Africa | ... | C. Ansell. |
| 13 | $5 \frac{5}{8}$ | 5 | $7{ }^{\frac{1}{2}}$ | Do. | ... | A. Beit. |
| $12 \frac{7}{8}$ | $5 \frac{3}{8}$ | $5 \frac{1}{2}$ | ... | $\cdots \quad \cdots$ | $\cdots$ | W. C. Oswell. |
| $12 \frac{3}{4}$ | $5^{\frac{1}{4}}$ | $3^{\frac{1}{4}}$ | $6 \frac{1}{2}$ | ... - | ... | Rowland Ward's Collection. |
| $12 \frac{3}{8}$ | $5^{\frac{1}{2}}$ | 3咢 | 6 | South Africa | $\cdots$ | F. C. Selous. |
| $12 \frac{1}{8}$ | $5 \frac{1}{8}$ | $5^{\frac{1}{4}}$ | $7 \frac{1}{8}$ | $\cdots$... | $\cdots$ | British Museum. |
| 117 | $5 \frac{3}{4}$ | $6 \frac{1}{2}$ | $\cdots$ | $\cdots \quad$... | ... | Hon. Walter Rothschild. |
| 115 | $5{ }^{\frac{7}{8}}$ | 4 | ... | South Africa | ... | British Museum. |
| $11 \frac{3}{8}$ | $5^{\frac{1}{4}}$ | 4 | $6 \frac{1}{4}$ | $\cdots$... | $\cdots$ | Sir Victor Brooke's Collection. |
| Q $11 \frac{1}{8}$ | 3 | $6 \frac{3}{4}$ | ... | South Africa | $\cdots$ | The late J. S. Jameson. |
| O 103 | $3^{\frac{1}{4}}$ | $5 \frac{3}{4}$ | $6 \frac{1}{2}$ | Do. | $\cdots$ | F. C. Selous. |
| ¢ $10 \frac{1}{8}$ | $3 \frac{3}{8}$ | $2 \frac{1}{2}$ | ... | West Africa | $\cdots$ | Capt. F. Cookson. |
| 10 | $4 \frac{5}{8}$ | $4 \frac{1}{8}$ | -. | ... - | $\cdots$ | British Museum. |
| ¢ 8 S ${ }^{5}$ | $2 \frac{1}{2}$ | 4 | 45 | Natal ... | $\cdots$ | Do. |
| ¢ 8 | $3 \frac{1}{8}$ | $2{ }^{\frac{1}{2}}$ | $3^{\frac{7}{8}}$ | South Africa |  | A. Beit. |



INDIAN GAZELLE or RAVINE DEER (Gazella bennetti).
Habitat-India (Southern Beloochistan) and Southern Persia.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $14{ }^{\frac{1}{4}}$ | (owner's m | asurements) | Rajah Waller | $\cdots$ | Capt. H. V. Brooke, late 92nd High- |
| $13 \frac{3}{4}$ | $4{ }^{\frac{1}{2}}$ | 7 | $\cdots$... | ... | Sir Victor Brooke's Collection. |
| $12 \frac{3}{4}$ | 488 | $7{ }^{\frac{1}{2}}$ | ... ... | ... | H. C. V. Hunter. |
| 122 $\frac{1}{2}$ | $4^{\frac{1}{2}}$ | $6 \frac{1}{4}$ | $\cdots$.... | $\cdots$ | Do. |
| $12 \frac{3}{8}$ | 4 | 512 | Simrol, Bengal | ... | Col. John Evans, British Museum. |
| 115 | 4 | $5^{\frac{1}{4}}$ | ... | ... | British Museum. |
| 115 | 4 | $4^{\frac{1}{2}}$ | ... ... | ... | Sir Robert Harvey, Bart. |
| I $1 \frac{1}{2}$ | 4 ${ }^{\frac{1}{2}}$ | 54 ${ }^{\frac{1}{4}}$ | -. | ... | Lieut. F. E. Shafto-Adair. |
| $11 \frac{1}{4}$ | $4 \frac{3}{8}$ | 67 | $\cdots \quad \cdots$ | $\cdots$ | British Museum. |
| $11 \frac{1}{8}$ | $4 \frac{5}{8}$ | $5 \frac{3}{8}$ | $\cdots$.... | ... | Hume Collection, British Museum. |
| II | $4 \frac{1}{8}$ | 6 | $\cdots$... | $\cdots$ | Do. |

INDIAN GAZELLE or RAVINE DEER (Gazella bennetti)continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 11 | 4 $\frac{1}{8}$ | $5^{\frac{1}{ \pm}}$ | ... ... ... | Sir Robert Harvey, Bart. |
| 1 I | $3^{\frac{3}{7}}$ | 6 | ... | C. H. Seely. |
| 107 | $4 \frac{3}{8}$ | 63 | ... | Hume Collection, British Museum. |
| 107 | 4 | $5 \frac{1}{8}$ | $\cdots$ | Maharajah Dhuleep Singh. |
| 108 | $3{ }^{\frac{3}{7}}$ | $7{ }^{7}$ | $\cdots$... $\quad .$. | Sir Victor Brooke's Collection. |
| $10 \frac{3}{4}$ | $3 \frac{5}{8}$ | $4{ }^{\frac{3}{1}}$ | $\cdots \quad . .$. | F. J. Horniman. |
| $10 \frac{3}{8}$ | $3{ }^{\frac{3}{4}}$ | $5{ }^{\frac{1}{8}}$ | $\cdots$... $\quad .$. | Hume Collection, British Museum. |
| 10 | $4^{\frac{1}{2}}$ | $5^{\frac{1}{4}}$ | Damoor, near Delhi | J. Hugh Mann. |
| 10 | 4 | $4{ }^{\frac{1}{2}}$ | .. ... | Marquis of Ailsa. |
| $9{ }^{7}$ | 4 | 5 | Simrol, Bengal ... | Col. John Evans, British Museum. |
| $9^{\frac{3}{4}}$ | $3^{\frac{1}{2}}$ | $5^{\frac{1}{8}}$ | Sind ... | R. Lydekker, British Museum. |
| $9{ }^{\frac{5}{8}}$ | $3{ }^{\frac{7}{8}}$ | 4 | $\cdots$...... | J. Carr-Saunders. |
| $9{ }^{\frac{1}{2}}$ | $4^{\frac{1}{4}}$ | $5 \frac{1}{8}$ | ... ... ... | Hon. Walter Rothschild. |
| $9{ }^{\frac{3}{8}}$ | 4 | 4 | .. ... | Hume Collection, British Musenim. |
| 9 | $3{ }^{\frac{5}{8}}$ | $3^{\frac{7}{8}}$ | $\cdots$... $\quad .$. | Do. |
| ㅇ $7 \frac{1}{8}$ | $1 \frac{5}{8}$ | $2{ }^{\frac{1}{4}}$ | ... ... ... | Sir Victor Brooke's Collection. |
| ¢ 4 4 ${ }^{\frac{7}{8}}$ | ... | $1 \frac{1}{2}$ | Deccain ... ... | Col. Sykes, British Museum. |

# ATLAS GAZELLE (Gazella cuvieri). 

[Sir Victor I3Rooke, Bart., P.Z.S. 1873, p. 542 .]
Harr long and rather coarse; central facial band grizzled rufous brown above, darker below, sometimes forming a distinct nose-spot; light facial streak present, but indefinite; dark facial streak blackish brown, running into and blending with the grizzled rufous brown of the upper parts of the body; knee-brushes long, blackish ; tail black; horns strongly annulated, massive and long, diverging gradually from about two-thirds their length, the upper third leaning more decidedly outwards and a little forward; hars very long.

Adult male: height, $27 \frac{1}{2} \mathrm{in}$.; length of horns, 12 in .; length of ears, $7 \frac{1}{4} \mathrm{in}$.

The above description must be taken as applying to an average specimen, very great varicty being exhibited by this large and wellmarked species; in fact, out of a large series, including living specimens, I have never seen two for which the same description would suffice. The species, however, is easily known from all the other small gazelles by its larger size, rough coat, dark colour, and unusually long cars. As I have said above, I think the larger gazelle seen by Tristram in Algeria was probably of this species. A skull in my possession is very nearly as large as that of Gazella sæmmerringii.

Habitat-Morocco and Algeria.


## BLACK-TAILED GAZELLE (Gazella tilonura).

[Sir Victor Brooke, Bart., P.Z.S. 1873, p. 542 ; Antilope melanura (Hengl., Ant, und Lüff), p. 6 ; 1869, Antilope tilonura (Hengl., Reis, Weiss, Nil.), p. 315.]

Central facial band rufous fawn; light facial streak indistinct, encircling the eye; dark facial streak very indistinct, almost indis-
tinguishable ; neck, back, uppersides, flanks, haunches, shoulders, root of the tail, anterior of fore legs, knee-brushes, and outer sides of the hind legs sandy fawn-colour ; dark lateral band distinct, blackish, very narrow from above downwards; light lateral very indefinite; breast and belly white ; horns lyrate and strongly annulated.

Height, 29 in . ; length of ears, $5 \frac{1}{4} \mathrm{in}$. ; length of tail, $8 \mathrm{in} . ;$ length of horns, II in.

Habitat-Bushy plains of the Anseba, Bogosland (Hengl.), South Senaar (Casanova).

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 103 | $3^{\frac{3}{4}}$ | $4^{\frac{1}{2}}$ | ... ... ... | E. Lort-Phillips. |
| 10 年 | 4 | $2 \frac{1}{8}$ | Bogos Country, Abyssinia. | British Museum. |
| $10 \frac{1}{2}$ | $4 \frac{1}{8}$ | $3{ }^{3}$ | Do. | Do. |
| $10 \frac{1}{4}$ | $4 \frac{1}{8}$ | $2 \frac{7}{8}$ | North Africa ... | Col. Ralph Vivian. |
| $9{ }^{7}$ | $4 \frac{3}{8}$ | 17 | Bogos Country, Abyssinia. | Sir Victor Brooke's Collection. |
| $9^{\frac{7}{8}}$ | ... | $1 \frac{1}{2}$ | Anseba River, Abyssinia. | Do. |
| $9{ }^{\frac{3}{4}}$ | 3䍃 | $3 \frac{1}{2}$ | North Africa ... | Col. Ralph Vivian. |
| $9{ }^{\frac{1}{2}}$ | $4{ }^{\frac{1}{4}}$ | $1{ }^{\frac{3}{4}}$ | Do. | Do. |
| $8 \frac{1}{4}$ | $3{ }^{3}$ | $2{ }^{\frac{1}{21}}$ | ... ... | Lieut. E. Lacy. |
| $7{ }^{\text {3 }}$ | $3{ }^{7}$ | 15 | Bogos Country, Abyssinia. | British Museum. |
| 아 ${ }^{\frac{1}{8}}$ | $1{ }^{\frac{8}{4}}$ | $1{ }^{13}$ | Alyssinia ... | Sir Victor Brooke's Collection. |

## CORINNE (Gazella corinna).

Habitat-West Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| ㅇ $6 \frac{1}{4}$ | $2 \frac{1}{8}$ | $2 \frac{3}{8}$ | West Africa | $\ldots$ | Brilish Museum. |



Shot in Somali Land by T. W. H. Clarke, 189 I.

## CLARKE'S GAZELLE (Ammodorcas clarkei).

[Oldfield Thomas, P.Z.S. i891, p. 206.]
This most remarkable animal combines the horns of a Reed-buck (Cervicapra), with the essential characters of a Gazelle, showing a

When I received Mr. Clarke's specimens and examined this particular Gazelle, it was at once apparent to me that it was a new variety-a fact that I had the pleasure to convey to Mr. Clarke.-R. W.
special relationship to that most aberrant Gazelle the Gerenook (Lithocranius walleri), and appears certainly to be worthy of generic distinction. On the first arrival of the specimens, before the skulls were cleaned, and before Mr. Sclater had received from Mr. Swayne the face-skins mentioned below, the animal was naturally supposed to be a Reed-buck from the character of its horns, little likely as it appeared that a Reed-buck would occur in the dry sandy plateau of Somali Land. Now, however, that better material is available, I am able to draw up a fairly complete account of the more essential characters of this most beautiful Gazelle, of the discovery of which Mr. Clarke, both as a sportsman and naturalist, has so much reason to be proud.

Muzzle, character of face-marking, and presence of anteorbital glands as in Gazella ; general form (as described by Mr. Clarke, see below) and skull more as in Lithocranius; horns in curve and general appearance as in Cervicapra.

Coloration of face, using Sir Victor Brooke's phraseology, as follows:-Central facial band deep rich chestnut-rufous, becoming duller towards the bases of the horns ; light facial streaks pure white, very prominent and sharply defined, extending the whole length of the head from the bases of the ears to the corners of the nostrils, somewhat duller and more indistinct at their extremities, but broadening in the middle to encircle the eyes; dark facial streak present, but not strongly marked; cheeks and sides of neck pale fawn; throat white; crown between and behind horns brown or grizzled fawn, the latter condition occurring in the older of Mr. Swayne's two head-skins; a marked whorl of hairs situated between the ears; back of ears shorthaired, dark fawn basally, gradually darkening to black terminally; insides white-haired, but with black tips.

Horns evenly curved upwards and forwards, the basal halves running backwards and the terminal halves nearly vertically upwards, the main curvature being therefore exactly in the opposite direction to that found in Gazella and Lithocranius. The horns themselves slender, their smooth unridged portion very long, the first indistinct ridge occurring about five inches from the tip. Ridges widely separate, strongly defined anteriorly, but becoming abruptly obsolete about halfway round, the sides and back showing scarcely a trace of them ;
their number amounting to 10 in the oldest specimen available-a number probably but seldom much exceeded.

Skull diverging from that of Gazella and approaching that of Lithocranius by being unusually low, long in the occipital region with a comparatively straight cranio-facial angle with very small bullæ with the postero-internal wall of the suborbital fossæ imperfect, and with a remarkably small and slender lower jaw. On the other hand, it differs from the same skull by being peculiar to a less extent in all these points by the greater development of the premaxillæ posteriorly, where they have a broad articulation with the nasals, by the larger nasals and smaller interparietal, and by the larger and more powerful teeth, which are absolutely larger in the smaller animal.

In its skull characters, therefore, Ammodorcas stands just intermediate between Gazella and Lithocranius ; in its muzzle and in the characters of its markings it agrees fairly with both, but in general form with the latter only, that animal, like it, being peculiar for its extraordinarily long neck, and finally, in the curvature of its horns it differs absolutely from both, as also from any of the other Gazelline genera, while it agrees with a group so different from it in all essential respects that the resemblance must evidently be an accidental one and not indicative of any relationship. Presumably the whole of the horn of this species is homologous with the terminal three or four inches of the Gerenook's horns, that is to say, with the upwardly curved part-the greater part of the horn having become obsolete while the upwardly curved tips have attained to a remarkable proportionate development.

The following are the dimensions of the skull of specimen :-
Length, occiput to gnathion, 210 millim., tip of nasals to occiput I76, greatest breadth 95; height, crown to angle of lower jaw, 94; nasals, length 67 , breadth 26 ; interparietal, length 24 , breadth 39 ; height of orbital opening 35, gnathion to front of anterior premolar 63 ; length of molar series 53 ; lower jaw, condyle to front of symphysis 153 ; height from coronoid process to angle 70 ; height of ramus at centre of $\mathrm{m} .15 \% 4$, at posterior end of symphysis 9 .

In a letter addressed by Mr. Clarke to Mr. Rowland Ward, the following notes on the appearance and habits of this species are
given :-"The Somali name for these antelopes is 'Debo Tag.' I shot them in the new country I went into, and did not see them in any other part. They have a very thin long tail, and when they run, throw it up and over towards the neck. The neck is very long and thrown back towards the tail, so that the two look as if they would touch each other."

Shortly after the arrival of Mr. Clarke's specimens, Mr. Sclater received from Mr. Swayne two scalps of this species which he had bought in Berbera, and these scalps Mr. Sclater has most kindly handed over to me for the purposes of the present paper. Fortunately, the muzzle of one of them has been preserved, so that I have been able to make out its strictly Gazelline character, and the description of the colours above given has also been taken from these specimens.

It is much to be hoped that more specimens of this beautiful Gazelle will soon be obtained, and that we may thereby gain a full knowledge of its range, habits, and natural affinities.

[^6]CLARKE'S GAZELLE (Ammodorcas clarkei)-continued.
Habitat-Somali Land.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 113 | $4 \frac{7}{8}$ | 38 | Somali Land | ... \| Col. A. Paget. |
| $1{ }^{\frac{3}{4}}$ | $4{ }^{\frac{3}{4}}$ | $3{ }^{\frac{5}{8}}$ | Do. | ... T. W. H. Clarke. |
| $\mathrm{II}_{4}$ | 5 | 5 | Do. | ... Col. A. Paget. |
| $1 \mathrm{I}_{\frac{1}{4}}$ | $4^{\frac{1}{2}}$ | $4{ }^{\frac{3}{4}}$ | Do. | ... \| T. W. H. Clarke. |
| $10 \frac{1}{4}$ | 4 ${ }^{\frac{1}{2}}$ | $4^{\frac{1}{2}}$ | Do. | ... Capt. Townley Parker. |
| $10 \frac{1}{8}$ | $4{ }^{\frac{7}{8}}$ | $3{ }^{3}$ | Do. | ... \| Hon. Walter Rothschild. |
| $10 \frac{1}{8}$ | $4^{\frac{1}{4}}$ | $4 \frac{7}{8}$ | Do. | ... ${ }^{\text {Rowland Ward's Collection. }}$ |
| $9 \frac{3}{1}$ | $4^{\frac{1}{2}}$ | 518 | Do. | ... ${ }^{\text {T. W. H. Clarke, British }}{ }^{\text {Museum. }}$ |
| $9{ }^{\frac{3}{4}}$ | $4 \frac{1}{2}$ | $4{ }^{\frac{3}{4}}$ | Do. | ... Capt. H. G. C. Swayne. |
| $9{ }^{\frac{1}{2}}$ | $4 \frac{5}{8}$ | $3{ }^{3}$ | Do. | T. W. H. Clarke. |
| 8 | $3 \frac{3}{4}$ | $2 \frac{7}{8}$ | Do. | ... Marquis of Ailsa. |
| 61 | $3{ }^{\frac{1}{4}}$ | $2 \frac{1}{8}$ | Do. | ... E. Lort-Phillips. |



## THOIMSON'S GAZELLE (Gazella thomsoni).

This Gazelle was discovered in East Africa by Mr. Joseph Thomson, the celebrated explorer, and is rather rare.

Habitat-East Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $15 \frac{1}{2}$ | $4^{\frac{3}{4}}$ | $3^{\frac{3}{4}}$ | Uganda, East Africa | F. J. Jackson. |
| $15^{\frac{1}{2}}$ | $4^{\frac{1}{2}}$ | $8 \frac{1}{2}$ | Do. ... | E. Gedge. |
| $15^{\frac{1}{4}}$ | $4 \frac{3}{}$ | $4 \frac{3}{8}$ | Do. ... | F. J. Jackson, British Museum. |
| $14{ }^{\frac{1}{2}}$ | 5 | $3{ }^{\frac{1}{2}}$ | Do. ... | E. Gedge. |
| 143 | $4^{\frac{1}{4}}$ | $3 \frac{1}{8}$ | East Africa | Sir Robert Harvey, Bart. |
| $14{ }^{\frac{1}{4}}$ | $4^{\frac{1}{4}}$ | $5 \frac{7}{8}$ | Masai Land | H. C. V. Hunter, British Museum. |
| $14^{\frac{1}{4}}$ | 4 | $3{ }^{\frac{3}{4}}$ | East Africa ... | H. C. V. Hunter. |
| $13^{\frac{1}{2}}$ | $4 \frac{3}{8}$ | $4 \frac{3}{8}$ | Do. | Rowland Ward's Collection. |
| $13 \frac{3}{8}$ | $4 \frac{5}{8}$ | $4^{\frac{1}{4}}$ | Do. | Sir Robert Harvey, Bart. |
| $13 \frac{3}{8}$ | $4{ }^{\frac{1}{2}}$ | 5妾 | Do. | Hon. Walter Rothschild. |
| 13 | $4{ }^{\frac{1}{2}}$ | 4 | Do. | W. Astor Chanler. |
| 13 | $4^{\frac{1}{2}}$ | $3{ }^{\frac{1}{2}}$ | Do. | H. C. V. Hunter. |
| 13 | $4 \frac{1}{2}$ | $2 \frac{1}{2}$ | Do. | W. Astor Chanler. |
| $12 \frac{7}{8}$ | $4 \frac{1}{4}$ | $4 \frac{1}{8}$ | Do. | Sir Robert Harvey, Bart. |
| $12 \frac{1}{2}$ | $4 \frac{1}{4}$ | 3 | Do. | T. W. H. Greenfield. |
| 123 | $4 \frac{3}{8}$ | $3 \frac{1}{2}$ | Do. | Sir Robert Harvey, Bart. |



## WALLER'S GAZELLE (Lithocranius walleri).

This Gazelle was described by the late Sir Victor Brooke from a specimen collected by the Revd. Mr. Waller in British East Africa.

Somali name-" Gerenook."
Habitat-Somali Land and East Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $15 \frac{3}{8}$ | 5 ${ }^{\frac{5}{8}}$ | 4 | Somali Land | Capt. H. G. C. Swayne. |
| $15 \frac{3}{8}$ | $5 \frac{3}{5}$ | $4 \frac{1}{8}$ | Do. | C. Liddell. |
| $14{ }^{\frac{3}{14}}$ | $5 \frac{1}{8}$ | $4{ }^{3}$ | Do. | Lord Delamere. |
| 142 ${ }^{\frac{1}{2}}$ | $5 \frac{1}{2}$ | 3 | Do. | Capt. H. G. C. Swayne. |
| 141 ${ }^{\frac{1}{2}}$ | 5 | 4 ${ }^{\frac{1}{2}}$ | Do. | Lord Delamere. |
| $14 \frac{1}{8}$ | 53 | $4^{\frac{1}{1}}$ | Do. | Do. |
| 14 | $5{ }^{\frac{1}{2}}$ | $3^{33}$ (owner's measurement) | ... ... | J. D. Inverarity. |
| 14 |  | 3 | East Africa | Sir John Willoughby, Bart., 1887, <br> "East Africa and its Big Game." |
| 14 | $5^{\frac{1}{2}}$ | 4 | Somali Land | Lord Delamere. |
| $13 \frac{7}{8}$ | $4 \frac{5}{8}$ | $5 \frac{1}{8}$ | East Africa | H. C. V. Hunter. |
| 13 尔 | $4{ }^{7}$ | 27 | Somali Land | F. L. James, 1884. |
| $13{ }^{\frac{3}{4}}$ | $4 \frac{7}{8}$ | $4 \frac{1}{8}$ | Do. | E. Lort-Phillips. |
| 133 | $5{ }^{5}$ | $2{ }^{\frac{7}{3}}$ | North Somali La | J. Menges, British Museum. |
| $13 \frac{3}{7}$ | $5 \frac{3}{8}$ | $3{ }^{\frac{7}{8}}$ | Somali Land | Hon. Walter Rothschild. |
| 13 年 | $5{ }^{1}$ | $4{ }^{\frac{3}{5}}$ | Do. | Lord Delamere. |

WALLER＇S GAZELLE（Lithocranius walleri）－－continut．

| Length． | Circum－ ference． | Tip to Tip． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: |
| 135 | $5 \frac{5}{8}$ | $3^{\frac{1}{4}}$ | Somali Land ．．． | A．H．Straker． |
| $13 \frac{5}{8}$ | 51 | $4{ }^{\frac{7}{8}}$ | Do． | T．W．H．Clarke． |
| 135 | $4{ }^{7}$ | 45 | Do． | C．H．Villiers． |
| $13 \frac{1}{2}$ | $5{ }^{\frac{7}{3}}$ | 6 | $\cdots$ ．．．．．．． | C．Liddell． |
| 13 \％ | $5 \frac{5}{8}$ | $3{ }^{\frac{1}{2}}$ | Somali Land | Hon．Walter Rothschild． |
| $13 \frac{1}{\frac{1}{4}}$ | $5 \frac{1}{2}$ | $3 \frac{1}{2}$ | Do． | T．W．H．Clarke． |
| $13 \frac{1}{4}$ | 5\％ | 5倣 | Do． | A．H．Straker． |
| $13 \frac{1}{4}$ | $4 \frac{5}{8}$ | $2 \frac{5}{8}$ | Juba Valley，So－ mali Land． | Sir John Kirk，M．D．，K．C．B． |
| 13 | 53 | 4 | ．．．．．．．．． | E．Lort－Phillips． |
| 13 | $5^{\frac{1}{2}}$ | $4{ }^{\frac{3}{4}}$ | Somali Land | Marquis of Ailsa． |
| 13 | 53 | $3 \frac{1}{2}$ | Do． | J．Carr－Saunders． |
| 13 | $5^{\frac{1}{4}}$ | 5 （owner＇s measurement） | Do． | J．D．Inverarity |
| 13 | $4{ }^{\frac{1}{7}}$ | $4^{\frac{1}{4}}$ | Do． | J．Carr－Saunders． |
| $12 \frac{5}{8}$ | 4 | $4{ }^{\text {宷 }}$ | Do． | Lord Delamere． |
| $12 \frac{1}{2}$ | $5 \frac{1}{2}$ | $3{ }^{\frac{1}{8}}$ | 1） | Col．A．Paget． |
| $12 \frac{1}{2}$ | $5 \frac{3}{8}$ | $3^{\frac{7}{8}}$ | 1） 0 | Lord Delamere． |
| $12 \frac{1}{2}$ | $5{ }^{\frac{1}{4}}$ | $2{ }^{\text {营 }}$ | Do． | T．W．H．Clarke． |
| $12 \frac{1}{2}$ | $5^{\frac{1}{2}}$ | 4 ${ }^{\frac{1}{2}}$ | Do． | Do． |
| $12 \frac{1}{2}$ | $4{ }^{\text {P }}$ | 2 $\frac{1}{2}$（owner＇s measurement） | ．．．．．．．．． | J．D．Inverarity． |
| $12 \frac{1}{2}$ | $4{ }^{\frac{3}{8}}$ | $4{ }^{\frac{3}{4}}$ | Kilima＇njaro，East Africa． | F．J．Jackson． |
| $12 \frac{3}{8}$ | $5{ }^{\frac{3}{8}}$ | $4{ }^{\frac{1}{4}}$ | Zanzibar ．．．．．． | Sir Edmund G．Loder，Bart． |
| $12 \frac{3}{8}$ | $5^{\frac{1}{4}}$ | $5{ }^{\frac{1}{2}}$ | Somali Land ．．． | T．W．H．Clarke． |
| $123^{\circ}{ }^{\circ}$ | $4 \frac{5}{8}$ | $3^{\frac{1}{4}}$ | Juba Valley，So－ mali Land． | Sir John Kirk，M．D．，K．C．B． |
| $12 \frac{1}{4}$ | $4{ }^{3}$ | 5 | Do． | Do． |
| 12 | $5^{\frac{1}{2}}$ | 53 | Somali Land ．．． | Gen．Trewell． |
| 113 | $5{ }^{\frac{3}{1}}$ | $5^{\frac{3}{7}}$ | Do． | C．H．Villiers． |
| 1 1 愿 | $4{ }^{\frac{3}{4}}$ | $4 \frac{3}{8}$ | East Africa | Sir Robert Harvey，Bart． |

WALLER'S GAZELLE (Lithocranius walleri)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 115 | $4 \frac{5}{8}$ | $4^{\frac{1}{7}}$ | South Somali Land | Dr. Kirk, British Museum. |
| $1{ }^{5}$ | $4{ }^{\frac{3}{3}}$ | $2 \frac{1}{2}$ | East Africa | Sir Robert Harvey, Bart. |
| $1{ }^{\frac{3}{8}}$ | $4^{\frac{3}{1}}$ | $3{ }^{\frac{7}{8}}$ | Juba Valley, Somali Land. | Sir John Kirk, M. D., K.C.B. |
| $11_{1}^{11}$ | $5^{\frac{1}{4}}$ | $4^{\frac{3}{4}}$ | Somali Land ... | Sir Victor Brooke's Collection. |
| $11 \frac{1}{4}$ | $4{ }^{\frac{3}{4}}$ | $4{ }^{\frac{1}{4}}$ | East Africa ... | Sir Robert Harvey, Bart. |
| $10 \frac{3}{4}$ | 5 | $3{ }^{\text {3 }}$ | Somali Land ... | F. L. James, 1884. |
| 108 | $4^{\frac{3}{4}}$ | 3 | South Somali Land | Sir John Kirk, M.D., K. C.B., British Museun. |
| $10 \frac{1}{4}$ | $4{ }^{\frac{3}{4}}$ | $4^{\frac{1}{2}}$ | East Africa | Sir Robert Harvey, Bart. |
| $10 \frac{1}{4}$ | $4{ }^{\frac{3}{4}}$ | $4{ }^{\frac{1}{4}}$ | Do. ... | Do. |
| $9{ }^{\text {B }}$ | $4 \frac{1}{4}$ | $3{ }^{3}$ | South Somali Land | Sir John Kirk, M.D., K.C.B., British Museum. |

The Horns of the specimens from Somali Land are very much longer than those which I have received from British East Africa, as will be seen by reference to the above measurements.


## SABLE ANTELOPE (Hippotragus niger)

Height at shoulder 4 ft .6 in., tail 25 in ., ears io in., extreme length nearly 9 ft .

$$
\begin{gathered}
\text { Sena name_-" Para-Para." Bechuana name_" Tahetse." } \\
\text { Makalolo name-"Qualata e Enchu." } \\
\text { Habitat—South and East Africa. }
\end{gathered}
$$

| Length. | Circumference | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 46 | ... | ... | South Africa | F. and H. Barber, "Land and |
| $44^{\frac{1}{2}}$ | $10 \frac{1}{2}$ | ... | ... ... | F. V. Kirby, "Land and Water," |
| 44 | ... | ... | Chobe River | F. C. Selous, "A Hunter's Wanderings." |
| $43^{\frac{1}{2}}$ | $9 \frac{3}{4}$ | 15 | South Africa | The late J. S. Jameson. |
| 43 ${ }^{\frac{1}{4}}$ | $9 \frac{5}{8}$ | 81 ${ }_{4}^{1}$ | Do. | Do. |
| 43 | O ${ }^{\text {\% }}$ | 612 | Mashuna Land | F. C. Selous, British Museum. |
| 43 | $10 \frac{1}{4}$ | 13 | ... ... | Major Gould Adams. |
| 43 |  |  | Chobe River | F. C. Selous, "A Hunter's Wanderings." |
| 427 | $10 \frac{3}{8}$ | $16 \frac{1}{8}$ | ... ... | F. C. Selous. |
| 427 | $9{ }^{\frac{3}{4}}$ | $10^{3}$ | ... ... | J. Carr-Saunders. |
| $42{ }^{\frac{3}{4}}$ | $9{ }^{\frac{5}{8}}$ | $17 \frac{3}{8}$ | ... ... | F. C. Selous. |
| $42 \frac{5}{8}$ | $9{ }^{\frac{7}{8}}$ | $9^{\frac{1}{2}}$ | South Africa | Bethnal Green Muscum. |

## SABLE ANTELOPE（Hippotragus niger）－continued．

| Length． | Circum－ ference． | Tip to Tip． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: |
| $42 \frac{5}{8}$ | 913 | $11 \frac{1}{2}$ | ．．． | J．A．Jameson． |
| 423 | $9{ }^{\text {郘 }}$ | 108 | ．．．$\quad$. | F．C．Selous． |
| $42 \frac{3}{8}$ | 9 | $19 \frac{1}{2}$ | ．．． | Do． |
| 42 | $9{ }^{\frac{1}{4}}$ | 123 | ．．．．．． | J．Carr－Saunders． |
| 417 | $9 \frac{1}{2}$ | 14 | ．．．．．． | J．A．Jameson． |
| 413 | $9{ }^{\frac{5}{8}}$ | 12 | South Africa | A．Beit． |
| 41 ${ }^{\frac{3}{4}}$ | ．．． | 9 ${ }^{\frac{1}{2}}$ | ．．．．．． | A．C．Fountaine． |
| 415 | $9{ }^{\frac{3}{1}}$ | 11 | ．．．．．． | F．C．Selous． |
| $41 \frac{1}{4}$ | ${ }^{10}$ | 127 | South Africa | Hon．Walter Rothschild． |
| 41 | $10 \frac{1}{4}$ | $7{ }^{\text {离 }}$ | ．．．．．． | A．Haggard． |
| 41 | 10 | $7{ }^{\text {\％}}$ | South Africa | The late J．S．Jameson． |
| 41 | ．．． | $13{ }^{\frac{1}{4}}$ | ．．．．．． | Dr．Knight Bruce，Bishop of Bloom－ fontein． |
| 41 | 9 | $14{ }^{\text {年 }}$ | ．．．．．． | J．A．Jameson． |
| 407 | $8_{8}^{7}$ | $12 \frac{1}{4}$ | South Africa | The late J．S．Jameson． |
| $40 \frac{5}{8}$ | $9 \frac{3}{4}$ | $12 \frac{3}{4}$ | $\ldots$ ．．．． | F．C．Selous． |
| $40 \frac{5}{8}$ | $9 \frac{1}{2}$ | $16 \frac{1}{4}$ | ．．．．．． | Do． |
| $40 \frac{1}{8}$ | $9 \frac{3}{8}$ | 113 | $\cdots$ ．．．． | Do． |
| 40 | $9^{\frac{1}{1}}$ | ．．． | ．．．．．． | Rowland Ward＇s Collection． |
| $39 \frac{1}{8}$ | $9 \frac{1}{8}$ | $9{ }^{\frac{1}{2}}$ | South Africa | The late J．S．Jameson． |
| 오 $39 \frac{1}{8}$ | $6 \frac{1}{4}$ | $6{ }^{5}$ | ．．．．．． | F．C．Selous． |
| 39 | ıо | ${ }_{1}$ | ．．．．．．． | Rowland Ward＇s Collection． |
| 39 | $9 \frac{3}{4}$ | 9 ${ }_{\text {咅 }}$ | ．．．．．． | Dr．Knight Bruce，Bishop of Mashuna Land． |
| 39 | 9 ${ }^{\frac{1}{2}}$ | ．．． | ．．．．．．． | H．S．Runcheman． |
| 39 | 9 | $10 \frac{8}{8}$ | ．．．．．． | Sir Victor Brooke＇s Collection． |
| $38 \frac{1}{2}$ | $9{ }^{\frac{5}{8}}$ | $13^{\frac{1}{2}}$ | South Africa | The late J．S．Jameson． |
| $3^{8 \frac{1}{8}}$ | $9{ }^{\frac{3}{3}}$ | 11 | River Umferli， South Africa． | F．C．Selous，British Museum． |
| 38 | $9 \frac{1}{2}$ | $12 \frac{1}{2}$ | －．．．．． | B．J．Angle． |

SABLE ANTELOPE（Hippotragus niger）－continued．

| Length． | Circum－ ference． | Tip to Tip． | Halitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $37 \frac{1}{8}$ | $8^{\frac{3}{4}}$ | 12121 | ．．． | ．．． | Sir Victor Brooke＇s Collection． |
| 37 | ．．． | 9 ${ }^{\frac{1}{2}}$ | ．．．．．． | ．．． | Capt．W．C．Harris，P．Z．S． 1838 ， |
| $36 \frac{1}{2}$ | $9^{\frac{1}{4}}$ | $7 \frac{1}{1}$ | South Africa | ．．． | W．P．Rylands． |
| $36 \frac{3}{8}$ | $9 \frac{5}{8}$ | $11{ }^{\frac{7}{8}}$ | ．．．．．． | ．．． | A．M．Sagar Musgrave． |
| $36 \frac{1}{1}$ | 9 | $11{ }^{\frac{3}{4}}$ | Caffraria | ．．． | British Museum． |
| 36 | 10를 | 9 | ．．．．．． | ．．． | Lord Elphinstone． |
| 355 | 9 | $8 \frac{5}{8}$ | South Africa | ．．． | W．P．Rylands． |
| $35 \frac{3}{8}$ | $9 \frac{1}{8}$ | 85 | Do． | ．．． | Durban Museum． |
| 운 $34 \frac{1}{8}$ | $6 \frac{3}{8}$ | 81 ${ }^{1}$ | Do． | ．．． | The late J．S．Jameson． |
| 아 34 | $6 \frac{3}{4}$ | $8{ }^{3}$ | ．．．．．． | ．．． | F．C．Selous． |
| 아 34 | $6 \frac{1}{8}$ | $8 \frac{1}{8}$ | South Africa | ．．． | W．P．Rylands． |
| 오 33预 | $6 \frac{3}{8}$ | 13 䍃 | Do． | ．．． | A．Beit． |
| 335 | $8 \frac{1}{4}$ | $14 \frac{1}{2}$ | Zanzibar | ．．． | Sir John Kirk，M．D．，K．C．B． |
| ¢ $323 \frac{1}{4}$ | $6 \frac{1}{2}$ | $10 \frac{1}{2}$ | South Africa | ．．． | W．P．Rylands． |
| 아 312 | 7 | 125 | Algoa Bay | ．．． | British Museum． |
| 아30 ${ }^{\text {a }}$ | $6 \frac{5}{8}$ | $12 \frac{1}{8}$ | ．．．．．． | ．．． | F．C．Selous． |
| 아 $30 \frac{1}{1}$ | $6 \frac{3}{8}$ | 12 | Mashuna Land |  | Do．British Museum． |
| 아의 | 67 | $15 \frac{3}{\text { 年 }}$ | ．．．．．． | ．．． | Do． |
| 아 2912 | 6咅 | S ${ }_{8}$ | South Africa | ．．． | H．and C．Beddington． |
| 아 $27 \frac{1}{8}$ | 67 | $6 \frac{1}{4}$ | Caffraria | ．．． | British Museum． |
| ¢ 27 | 612 | $10 \frac{8}{8}$ | ．．． | ．．． | Sir Victor Brooke＇s Collection． |
| ¢ $26 \frac{1}{4}$ | $6 \frac{1}{4}$ | $13^{\frac{1}{4}}$ | ．．．．．． | － | A．Haggard． |
| 아 25 ${ }^{\frac{1}{4}}$ | $6 \frac{5}{8}$ | $10 \frac{1}{2}$ | South Africa | ．．． | F．J．Horniman． |
| 아 $24 \frac{3}{4}$ | $6 \frac{1}{4}$ | $1{ }^{\frac{7}{8}}$ | Do． | － | R．Gordon－Cumming，British Mu－ seum． |
| $24 \frac{1}{8}$ | 8咅 | $9 \frac{1}{2}$ | Do． | － | H．and C．Beddington． |
| 235 | $7 \frac{1}{4}$ | $\mathrm{H}_{1} \frac{1}{4}$ | Do． | $\cdot$ | Do． |
| ¢ $23 \frac{1}{2}$ | $6 \frac{3}{8}$ | $7 \frac{1}{2}$ | ．．． | ．．． | A．M．Sagar Musgrave． |



ROAN ANTELOPE (Hippotragus leucophœus).
Habitat-South Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 | .. | ... | South Africa | . | A. C. Fountaine. |  |
| $31 \begin{aligned} & \text { 年 }\end{aligned}$ | 9 ${ }^{\frac{1}{2}}$ | $5^{\frac{1}{2}}$ | Do. | ... | Sir Edmund G. Loder, Bart. |  |
| $31 \frac{1}{2}$ | $9^{\frac{1}{2}}$ | 117 | Do. | ... | F. C. Selous. |  |
| 307 | $9^{\frac{1}{2}}$ | $10 \frac{5}{8}$ | Do. | $\cdots$ | Do. |  |
| $9.30 \frac{1}{2}$ | 7 | $75_{5}^{3}$ | Do. | ... | Do. |  |
| $30 \frac{1}{4}$ | 10 | $9^{\frac{1}{2}}$ | Do. | ... | Do. |  |
| 297 | 10 | 14 | Do. | ... | The late J. S. Jameson, |  |
| 297 | $9 \frac{5}{8}$ | $11 \frac{1}{4}$ | Do. | ... | Hon. Walter Rothschild. |  |
| $29 \frac{3}{4}$ | 817 | 127 | Limpopo | ... | W. C. Oswell. |  |
| $29 \frac{5}{8}$ | 9 ${ }^{\frac{1}{2}}$ | 10 | South Africa | ... | Hon. Walter Rothschild. |  |
| $29 \frac{3}{8}$ | $9 \frac{5}{8}$ | 113 | Do. | ... | F. C. Selous. |  |
| $29 \frac{1}{3}$ | $9 \frac{1}{8}$ | $7{ }^{3}$ | Do. | ... | H. and C. Beddington. |  |
| 29 | ... | $\cdots$ | Mashona Land | ... | F. C. Selous, 1880 , "A Wanderings." | Hunter's |
| 29 | $\cdots$ | ... | Impaqui River | ... | F. C. Selous, 1876, "A Wanderings." | Hunter's |
| 288 | $\bigcirc$ | $7^{\frac{1}{4}}$ | South Africa | ... | F. C. Selous. |  |
| 283 | 87 | 127 | Do. | ... | J. A. Jameson. |  |

ROAN ANTELOPE (Hippotragus leucophœus)-continucd.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 285 | $9{ }^{3}$ | 95 | Mashona Land ... | F. C. Selous, British Museum. |
| $28 \frac{1}{4}$ | $9{ }^{\text {5 }}$ | 8 | River Manyane ... | Do. |
| 28 | $9{ }^{\frac{1}{2}}$ | $13 \frac{1}{2}$ | South Africa | F. C. Selous. |
| $27 \frac{7}{8}$ | 83 | $8{ }_{4}^{1}$ | Do. | Sir Edmund G. Loder, Bart. |
| $27 \frac{5}{8}$ | $9 \frac{1}{8}$ | 9 | Do. | J. Carr-Saunders. |
| $27 \frac{1}{2}$ | $10 \frac{1}{2}$ | 3 | Do. | A. C. Fountaine. |
| $27 \frac{1}{2}$ | 9 | $11{ }^{\frac{1}{2}}$ | Do. | G. H. Banks. |
| $27 \frac{3}{8}$ | $9{ }^{\frac{3}{4}}$ | $8 \frac{1}{2}$ | Do. | A. Beit. |
| $27 \frac{1}{8}$ | $9{ }^{\frac{3}{4}}$ | $9{ }^{\frac{1}{4}}$ | Do. | Sir Victor Brooke's Collection. |
| 267 | 85 | $1 \mathrm{O}_{\frac{1}{2}}$ | River Gambia | Dr. P. Rendell, British Museum. |
| $26 \frac{1}{2}$ | $10 \frac{1}{8}$ | $10{ }^{3}$ | South Africa | The late J. S. Jameson. |
| $26 \frac{1}{4}$ | 93 | $7{ }^{\text {7 }}$ | Do. | F. C. Selous. |
| 26 | 9 | 8 | South Africa | British Museum. |
| 26 | $8 \frac{7}{8}$ | $8 \frac{1}{8}$ | Do. | Do. |
| 아27 | $6 \frac{3}{4}$ | 7 | Do. | F. C. Selous. |
| $25 \frac{5}{8}$ | $9{ }^{\frac{1}{2}}$ | $7 \frac{3}{8}$ | Do. | Sir Victor Brooke's Collection. |
| $24 \frac{1}{2}$ | $9 \frac{1}{2}$ | $5 \frac{5}{8}$ | Limpopo ... | W. C. Oswell. |
| $24^{\frac{1}{4}}$ | $8 \frac{7}{3}$ | 812 | South Africa | A. Beit. |
| 아 ${ }^{2 \frac{1}{8}}$ | 7 | 8 ${ }_{4}^{1}$ | Limpopo ... | W. C. Oswell. |
| 23 | $9{ }^{\text {a }}$ | $9{ }^{\frac{1}{8}}$ | South Africa | Rowland Ward's Collection. |
| 23 | $6 \frac{3}{8}$ | 9 | Do. | British Museum. |
| ¢ ${ }^{225}$ | 53 | 9 | Limpopo ... | W. C. Oswell. |
| $22 \frac{1}{4}$ | $6 \frac{5}{8}$ | $13 \frac{1}{8}$ | Cape of Good Hope | Earl of Derby, British Museum. |
| $22 \frac{1}{8}$ | 718 | 8 | ... ... ... | W. D. James. |
| 217 | 7 | $9 \frac{1}{8}$ | Abyssinia | E. Lort-Phillips. |
| $17{ }^{\text {号 }}$ | $6 \frac{1}{8}$ | $9{ }^{\frac{1}{4}}$ | Do. | British Museum. |
| 14 | 912 | $7{ }^{\frac{1}{2}}$ | South Africa | A. W. Davis. |

## HIPPOTRAGUS KOBA.

Habitat-Gambia.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 26 | $8 \frac{7}{8}$ | $7 \frac{1}{8}$ | Gambia | $\ldots$ | Earl of Derby, British Museum. |
| $20 \frac{5}{8}$ | $6 \frac{7}{8}$ | $7 \frac{3}{4}$ | Do. | $\ldots$ | Do. |

## BAKER'S ANTELOPE, or MAARIFFE (Hippotragus bakeri).

This Antelope much resembles the South African Roan Antelope, and was discovered in 1860 by Sir Samuel Baker, Bart.

Habitat-Africa-Soudan.

| Length. | Circumference. | Tip to Tip. | Habitat |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 281 | 812 | (mal | Soudan ... | ... | Col. Ralph Vivian. |
| 283 | 9 | $11 \frac{3}{4}$ | Do. | ... | Do. |
| 27 | ... | $\cdots$ | $\cdots$ | $\cdots$ | Sir Saml. Baker, Bart. (P.Z.S. 1861). |
| 251 ${ }^{\frac{1}{8}}$ | $9{ }^{3}$ | 53 | $\cdots$... | $\ldots$ | Sir Edmund G. Loder, Bart. |



## GEIMSBUCK (Oryx gazella).

Habitat-South Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $47^{\frac{1}{2}}$ | $6 \frac{3}{2}$ | $17 \frac{1}{2}$ | South Africa | $\ldots$ | The late J. S. Jameson. |
| $44 \frac{5}{8}$ | $6 \frac{5}{8}$ | $21 \frac{7}{8}$ | Bakalahari | $\ldots$ | W. C. Oswell. |
| $43 \frac{1}{2}$ | $7 \frac{5}{8}$ | 17 | Do. | $\ldots$ | Do. |
| $43 \frac{3}{8}$ | $6 \frac{3}{8}$ | $18 \frac{1}{2}$ | South Africa | $\ldots$ | F. C. Selous, British Museum. |
| $43 \frac{1}{\frac{1}{4}}$ | $6 \frac{5}{8}$ | $20 \frac{7}{8}$ | Do. | $\ldots$ | Sir Victor Brooke's Collection. |
| $43 \frac{1}{8}$ | $6 \frac{7}{8}$ | $\ldots$ | Do. | $\ldots$ | F. C. Selous. |
| 43 | 7 | $18 \frac{3}{7}$ | Do. | $\ldots$ | Rowland Ward's Collection. |

GEIMSBUCK (Oryx gazella)-continucd.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $42 \frac{1}{2}$ | $6 \frac{1}{2}$ | 19 | Botletlie River | F. C. Selous. |
| $42 \frac{1}{2}$ | 7 | ... | ... | Major Gould Adams. |
| 42 | ... | ... | ... ... | Mrs. Murray. |
| $41 \frac{3}{7}$ | $7 \frac{1}{8}$ | $18 \frac{1}{2}$ | ... ... | F. C. Selous. |
| 41 | $7 \frac{1}{2}$ | 22 | ... ... | T. Gibb. |
| 41. | $6 \frac{3}{4}$ | $18 \frac{1}{2}$ | ... ... | M. E. Stephens. |
| 아 403 | $6 \frac{5}{8}$ | $17 \frac{1}{8}$ | West Africa | Capt. F. Cookson. |
| $40 \frac{3}{4}$ | $6 \frac{7}{8}$ | $16 \frac{1}{2}$ | South Africa | R. C. Dobson. |
| $40 \frac{5}{8}$ | $6 \frac{3}{4}$ | $16 \frac{1}{2}$ | Transvaal | H. Atkinson. |
| $40 \frac{1}{2}$ | $6 \frac{3}{4}$ | 215 | South Africa | F. C. Selous. |
| $40 \frac{1}{4}$ | 7 | 17 | Do. | Hon. Walter Rothschild. |
| $40 \frac{1}{8}$ | 63 | $18 \frac{1}{2}$ | Do. | The late J. S. Jameson. |
| 40 | 7 | $21 \frac{3}{4}$ | Do. | F. C. Selous. |
| 40 | 67 | $18{ }^{1}$ | Do. | Sir Edmund G. Loder, Bart. |
| $39 \frac{3}{4}$ | 63 | 20 | Do. | St. George Littledale. |
| $39 \frac{5}{8}$ | 73 | 14 | Do. | The late J. S. Jameson. |
| $39^{\frac{1}{4}}$ | 63 | $17 \frac{5}{8}$ | Do. | Do. |
| 387 | 63 | 151 | Do. | A. Beit. |
| 387 | $6 \frac{5}{8}$ | $18 \frac{5}{8}$ | Do. | Do. |
| $38 \frac{1}{2}$ | 63 | $18 \frac{1}{4}$ | Do. | Do. |
| $38 \frac{1}{2}$ | $7{ }^{\frac{3}{8}}$ | 217 | West Africa | Capt. F. Cookson. |
| $38 \frac{1}{8}$ | $6 \frac{3}{8}$ | $18 \frac{1}{2}$ | South Africa | F. C. Selous. |
| 38 | ... | 183 | Do. | A. C. Fountaine. |
| 38 | $6 \frac{3}{8}$ | 177 | Do. | National Liberal Club. |
| 38 | $7{ }^{\frac{3}{7}}$ | $15 \frac{3}{4}$ | Do. | A. W. Davis. |
| $37 \frac{7}{8}$ | 67 | $19 \frac{3}{4}$ | Do. | The late J. S. Jameson. |
| $37 \frac{3}{x}$ | $6 \frac{1}{2}$ | $18 \frac{1}{2}$ | Do. | C. Ansell. |

GEMSBUCK (Oryx gazella)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $37^{\frac{1}{8}}$ | 67 | 167 | North Bechuanaland. | F. C. Selous, British Museum. |
| 우 $36 \frac{3}{1}$ | $6 \frac{5}{8}$ | ... | Do. | Do. |
| $36 \frac{1}{4}$ | $7 \frac{3}{8}$ | 16 | South Africa ... | Hon. Charles Ellis. |
| 357. | $7{ }^{3}$ | $15^{\frac{1}{7}}$ | Algoa Bay ... | J. Wemyss, British Museum. |
| $35^{\frac{5}{8}}$ | $7 \frac{1}{8}$ | 16 ${ }^{\frac{1}{2}}$ | South Africa ... | H.R.H. Duke of Edinburgh. |
| $35^{\frac{1}{2}}$ | 72 | 14 | Do. ... | J. A. Nicoll. |
| 35 | 78 | $13 \frac{3}{4}$ | West Africa ... | Capt. F. Cookson. |
| $34{ }^{\frac{3}{1}}$ | $7 \frac{1}{4}$ | 14 | Transvaal ... | H. Atkinson. |
| 345 | $8{ }_{8}$ | 127 | South Africa .. | J. Carr-Saunders. |
| 34 | 6 | $17{ }^{\frac{3}{4}}$ | Do. | Hon. Charles Ellis. |
| 337 | $7{ }^{\frac{1}{4}}$ | $16 \frac{1}{4}$ | Do. | F. C. Selous, British Museunı. |
| $32 \frac{1}{2}$ | $7 \frac{1}{2}$ | $17 \frac{3}{8}$ | Do. | Bethnal Green Museum. |

It is interesting to note that the finest Gemsbuck specified above was shot by the late J. S. Jameson when he was pursuing his last hunting journey, accompanied by F. C. Selous, before he started on that expedition which cost him his life.


BEISA ANTELOPE (Oryx beisa).
Somali name-"Berid." Habitat-North-East Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ¢ 39 | $5^{\frac{1}{2}}$ | 8 | Somali Land | ... | E. P. Hare. |
| 36 | $6 \frac{1}{2}$ | ... | Do. | $\cdots$ | Capt. Brinkley. |
| 35 | 6 | 9 | Do. | ... | Col. A. Paget. |
| $35 \frac{1}{2}$ | $6 \frac{1}{4}$ | $8 \frac{1}{4}$ | Do. | ... | Capt. Townley Parker. |
| $34 \frac{1}{2}$ | -.. | $9 \frac{1}{2}$ | Do. | $\cdots$ | Ernest Horn. |
| ¢ 3 34 $\frac{3}{4}$ | $5{ }^{\frac{1}{4}}$ | $8 \frac{3}{4}$ | Do. | ... | Capt. Townley Parker. |
| $34 \frac{1}{2}$ | ... | (owner's measurement) | Do. | ... | T. W. H. Clarke. |
| 343 | 87 | 115 | Do. | $\cdots$ | Do. |
| $33 \frac{5}{8}$ | $6 \frac{3}{4}$ | $9{ }^{\frac{3}{8}}$ | Do. | ... | A. H. Straker. |
| 33 ${ }^{\frac{1}{2}}$ | $5^{\frac{1}{2}}$ | $7 \frac{5}{8}$ | Do. | $\cdots$ | Col. A. Paget. |
| 33 $\frac{3}{8}$ | $4 \frac{7}{8}$ | 75 | Do. | $\cdots$ | W. D. James. |
| $33 \frac{1}{4}$ | $5^{\frac{5}{8}}$ | $2 \frac{3}{1}$ | Do. | ... | A. H. Straker. |
| $33^{\frac{1}{4}}$ | $5^{\frac{1}{2}}$ | 9 | Do. | $\cdots$ | Rowland Ward's Collection. |
| ㅇ 33 | $5{ }^{\frac{1}{4}}$ | $9^{\frac{1}{2}}$ | Do. | ... | Capt. Bartelot. |

BEISA ANTELOPE (Oryx beisa)-continued.

| Length. | Circum- | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 아 325 | 5 | 8 | Somali Land ... | C. H. Villiers. |
| $32 \frac{3}{8}$ | $6 \frac{1}{4}$ | $6 \frac{1}{4}$ | Do. | Lord Delamere. |
| 32 | $6 \frac{1}{2}$ | $9{ }^{\frac{1}{2}}$ | Do. ... | Capt. Bartelot. |
| 32 | $5{ }^{13}$ | $9^{\frac{3}{5}}$ | Do. | Lord Delamere. |
| 32 | $5 \frac{1}{1 / 5}$ | $8 \frac{1}{8}$ | Do. | Col. A. Paget. |
| 32 | $5 \frac{1}{8}$ | $9^{\frac{7}{8}}$ | D. | E. Lort-Phillips. |
| $31 \frac{1}{4}$ | $6 \frac{3}{4}$ | 8 | Dc. | E. P. Hare. |
| $31 \frac{1}{8}$ | 6 | 8 | Do. ... | Lord Delamere. |
| $31 \frac{1}{8}$ | 5 | $7 \frac{1}{8}$ | Do. | Sir John Kirk, M. D., K.C.B. |
| 307 | 5녗 | $10 \frac{1}{2}$ | River Juba, Somali Land. | Dr. Kirk, British Museum. |
| 303 | 6 | $7{ }_{8}^{1}$ | Somali Land ... | E. Lort-Phillips. |
| $30 \frac{3}{4}$ | $6 \frac{1}{4}$ | 8 | Do. | T. W. H. Clarke. |
| $30 \frac{1}{2}$ | $6 \frac{1}{2}$ | $7 \frac{1}{2}$ | $\cdots$.... ... | Marquis of Ailsa, |
| $30 \frac{1}{2}$ | 6 | $7{ }^{3}$ | Somali Land | Capt. H. G. C. Swayne. |
| $30 \frac{1}{2}$ | $5^{\frac{1}{2}}$ | 7 | Do. | H.R.H. Duke of Edinburgh. |
| $30 \frac{3}{8}$ | $6 \frac{1}{4}$ | 9 | Do. | Sir John Kirk, M.D., K. C. B. |
| $30 \frac{1}{8}$ | 5 | $8 \frac{1}{4}$ | Do. ... | C. Liddell. |
| 30 | $4 \frac{7}{8}$ | 9 | River Juba, Somali Land. | Sir John Kirk, M.D., K.C.B. |
| 30 | $5 \frac{3}{8}$ | 51 | Do. | C. Liddell. |
| $29 \frac{1}{4}$ | 55 | $9{ }^{\frac{7}{8}}$ | Somali Land ... | Hon. Walter Rothschild. |
| 285 | 6 | $7 \frac{7}{8}$ | Do. | Sir Edmund G. Loder, Bart. |
| $28 \frac{1}{2}$ | $5 \frac{3}{2}$ | 10 | Do. ... | Rowland Ward's Collection. |
| $27^{\frac{3}{4}}$ | $5^{\frac{1}{4}}$ | (one horn malformed) | Do. | Lord Delamere. |
| $27 \frac{3}{1}$ | $4{ }^{\frac{3}{4}}$ | $6{ }^{\frac{3}{4}}$ | Do. | Sir John Kirk, M. D., K.C.B. |
| $27 \frac{1}{2}$ | $6 \frac{1}{2}$ | $8 \frac{1}{8}$ | Do. | H.R.H. Duke of Edinburgh. |
| $26 \frac{1}{2}$ | $6 \frac{3}{4}$ | 83, (owner's | Do. | J. D. Inverarity. |
| $25^{\frac{3}{4}}$ | $4 \frac{5}{8}$ |  | Abyssinia ... | British Museum. |

## BEATRIX ANTELOPE (Oryx beatrix).

[Dr. J. E. Gray, P.Z.S. 1857, p. 157.]
The horns slender, straight, or only very slightly curved near the tip; White, a spot on the middle of the face, a smaller spot between the base of the horns, a large patch on each cheek, extending above up to the eyes, and united together beneath under the throat; the knees and front of the fore and hind legs, and a large spot on the chest, dark blackish brown; the legs to the posterior grey-brown; end of the tail black.

This specimen is not half the size of the Gemsbok from the Cape, and is immediately known from it by the distribution of its colours.

In form and size it resembles the true Oryx (O. leucoryx), but it differs in the straightness of the horn, the size and form of the cheekspots, and especially in the dark colour of the legs, and the wellmarked white ring around the fetlock joint, just above the hoof.

The hair is whorled on the middle of the haunches like the rest of the genus, and the hairs of the back in front of the withers are directed forwards.

Habitat-Head of Persian Gulf.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $\boldsymbol{+ 1 5}$ | $3 \frac{3}{8}$ | $4 \frac{1}{2}$ | Head of Persian <br> Gulf. | B. T. Finch, British Museum. |

## LEUCORYX (Oryx leucoryx).

Habitat-North Africa.

| Length. | Circum. <br> ference. | Tip to Tip. | Habitat. |  |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :--- |
| $39 \frac{5}{8}$ | $4 \frac{7}{8}$ | $14 \frac{1}{8}$ | $\ldots$ | $\ldots$ | $\ldots$ | British Museum. |
| $37 \frac{5}{8}$ | $5^{\frac{1}{4}}$ | $7 \frac{1}{4}$ | $\ldots$ | $\ldots$ | $\ldots$ | Do. |
| $35 \frac{5}{8}$ | $5 \frac{1}{2}$ | $11 \frac{7}{8}$ | $\ldots$ | $\ldots$ | $\ldots$ | J. Carr-Saunders. |
| $33 \frac{7}{8}$ | $5^{\frac{1}{2}}$ | 8 | $\ldots$ | $\ldots$ | $\ldots$ | Hon. Walter Rothschild. |



EAST AFRICAN ORYX (Oryx callotis).
Habitat-Africa, Masai Land and adjoining territory.

| Length. | Circumference. | Tip to Tip. | Habitat |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $30 \frac{1}{2}$ | $5 \frac{3}{\text { a }}$ | $10 \frac{1}{2}$ | East Africa | ... | F. J. Jackson. |
| $30 \frac{1}{4}$ | ... | 6 | Do. | ... | T. W. H. Greenfield. |
| 30 | $\cdots$ | 10 | Do. | ... | Sir John Willoughby, Bart., Africa and its Big Game." |
| $29 \frac{1}{2}$ | $5 \frac{5}{8}$ | $7{ }^{\text {\% }}$ | Do. | ... | Sir Robert Harvey, Bart. |
| 287 | $6 \frac{1}{2}$ | $10 \frac{1}{8}$ | Do. | ... | Do. |
| $28 \frac{3}{1}$ | $5{ }^{\frac{5}{8}}$ | $6 \frac{1}{2}$ | Do. | ... | H. C. V. Hunter. |
| $27 \frac{3}{4}$ | $6 \frac{7}{8}$ | $10 \frac{1}{1}$ | Do. | ... | F. J. Jackson. |
| $27 \frac{1}{8}$ | $6 \frac{7}{8}$ | S $\frac{1}{2}$ | Do. | $\cdots$ | Sir Robert Harvey, Bart. |
| 27 | $7 \frac{1}{8}$ | 73 | Do. | ... | H. C. V. Hunter. |
| $26 \frac{5}{8}$ | 7 | 13 | Do. | ... | Sir Robert Harvey, Bart. |
| $26 \frac{3}{3}$ | 67 | 83 | Do. | ... | Do. |
| $26 \frac{1}{4}$ | $5^{\frac{7}{8}}$ | $9 \frac{3}{4}$ | Do. | ... | F. J. Jackson. |
| 26 | 6 | 9 | Do. | $\cdots$ | E. Gedge. |
| 23 | $5^{\frac{1}{2}}$ | 8 | Do. | ... | W. Astor Chanler. |
| $22 \frac{7}{8}$ | $6 \frac{1}{2}$ | $8 \frac{1}{2}$ | Do. | ... | Sir Robert. Havey, fart. |
| 215 | 7 | 10 | Do. | ... | Do. |
| *2I | $6 \frac{3}{4}$ | 10 | Do. | ... | Rowland Ward's Collection. |

[^7]

## ADDAX (Addax asomaculatus).

This Antelope has rarely been shot by Europeans. It closely approaches the South African Gemsbok in size:

Habitat-North Africa.

| Length. |  | Circumat base. at base | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Along curve | $\begin{aligned} & \text { Straight } \\ & \text { line. } \end{aligned}$ |  |  |  |  |
| 353 | 28 | $6 \frac{3}{8}$ | $13 \frac{5}{8}$ | North Africa ... | Hon. Walter Rothschild. |
| $35 \frac{1}{2}$ | 28 | 61 | $13{ }^{\frac{1}{2}}$ | Do. | Rowland Ward's Collection. |
| 337 | $28 \frac{3}{8}$ | 57 | 22 | Do. | Sir Edmund G. Loder, Bart. |
| $32{ }^{1}$ | $26 \frac{1}{3}$ | $6 \frac{1}{8}$ | $13{ }^{\frac{1}{2}}$ | Do. | Rowland Ward's Collection. |
| 315 | 263 | $6 \frac{3}{8}$ | $17 \frac{3}{8}$ | Do. | Do. |
| 3 I | 267 | 6 | $13 \frac{1}{2}$ | Do. ... | Do. |
| 297 | 24 | 6 | $14{ }^{\frac{3}{1}}$ | Do. | Do. |
| 283 | $24 \frac{7}{8}$ | $5^{\frac{1}{2}}$ | $12 \frac{5}{8}$ | Do. | British Museum. |
| 28 | ... | 5 | $16 \frac{1}{2}$ | Do. ... | Rowland Ward's Collection. |
| 26 | $22 \frac{1}{2}$ | 6 | $17 \frac{1}{2}$ | Do. ... | Do. |



## NILGHAI (Boselaphus tragocamelus).

[From "The Mammals of India," by T. C. Jerdon.]
Male of an iron-grey colour; lips, chin, lower surface of the tail, stripes inside the ears, rings on the fetlocks and abdomen white; head and limbs tinged with sepia-brown; mane, throat-tuft, and tip of tail, black.

The female is a good deal smaller than the male and tawny or light brown.

Length of male about $6 \frac{1}{2}$ to 7 feet; height at shoulder 4 feet 4 inches to $4 \frac{1}{2}$ feet; horns 8 to 9 inches, rarely io; ear 7 inches, very broad; tail I8 to 2 I inches.

Habitat-India.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $9^{\frac{1}{4}}$ | $6 \frac{3}{4}$ | $4^{\frac{7}{3}}$ | India | British Museum. |
| 87 | $6 \frac{5}{8}$ | $3^{\frac{1}{2}}$ | Do. | A. O. Hume, Private Collection. |
| 83 ${ }^{3}$ | $5^{\frac{3}{4}}$ | $4{ }^{\frac{3}{8}}$ | Do. | Do. |
| 8年 | $7 \frac{1}{8}$ | $7{ }^{3}$ | N. India ... ... | Sir Victor Brooke's Collection. |
| $8 \frac{1}{8}$ | $6 \frac{1}{8}$ | 5 | India ... ... | Hume Collection, British Museum. |
| $7{ }^{3}$ | $5^{\frac{1}{2}}$ | $5^{\frac{1}{4}}$ | Do. | Rowland Ward's Collection. |
| $7{ }^{5}$ | 61 | $5^{\frac{1}{4}}$ | Do. ... ... | Hume Collection, British Museum. |
| $7 \frac{1}{2}$ | $5 \frac{3}{8}$ | $7 \frac{3}{8}$ | Cent. Provinces ... | G. A. Carmichael, British Museum. |
| 78 | $5 \frac{3}{4}$ | $5{ }^{\frac{7}{8}}$ | India | Hume Collection, British Museum. |
| $7{ }^{\frac{1}{4}}$ | $5^{\frac{1}{4}}$ | $6 \frac{1}{2}$ | Do. | A. Wilson. |
| $7 \frac{1}{8}$ | $6 \frac{3}{8}$ | $4{ }^{\frac{7}{8}}$ | Do. | Hon. Walter Rothschild. |
| $6 \frac{3}{4}$ | 53 | $4{ }^{3}$ | Do. | Marquis of Ailsa. |
| 65 | $5 \frac{1}{4}$ | $5 \frac{3}{4}$ | Do. | H. R.H. Duke of Edinburgh. |
| $6 \frac{1}{2}$ | $5 \frac{3}{8}$ | $5 \frac{3}{8}$ | Do. | J. Carr-Saunders. |
| $6 \frac{1}{8}$ | 4咅 | $6 \frac{3}{8}$ | Do. | British Museum. |
| 6 | $6 \frac{1}{2}$ | $5 \frac{3}{8}$ | Do. | Sir Robert Harvey, Bart. |

## BUSHBUCK (Tragelaphus sylvaticus).

> Bechuana name-" M'Pabala."
> Lower Zambesi and Shiré name-" M'Bawala."
> Habitat—South and East Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $15^{\frac{1}{2}}$ | $5{ }^{3}$ | $9{ }^{\text {足 }}$ | South Africa ... | Rowland Ward's Collection. |
| 15 | $5 \frac{3}{8}$ | $4^{\frac{1}{2}}$ | Do. ... | F. C. Selous. |
| $14 \frac{5}{8}$ | 5 | $2{ }^{3}$ | Do. ... | G. H. Banks. |
| $14^{\frac{1}{4}}$ | $\ldots$ | $4 \frac{1}{8}$ | ... ... ... | Rowland Ward's Collection. |
| 14 | $5^{\frac{7}{8}}$ | 59 | Matabele Land, South Africa. | H. and C. Beddington. |
| $13{ }^{7}$ | $5 \frac{3}{4}$ | $5^{\frac{1}{2}}$ | ... ... ... | H.R.H. Duke of Edinburgh. |
| 13 3 | $5 \frac{3}{4}$ | $6 \frac{1}{2}$ | ... ... ... | Hon. Walter Rothschild. |
| 13 3 | $5^{\frac{1}{2}}$ | 53 | ... ... ... | Sir Edmund G. Loder, Bart. |
| 13 宕 | $5{ }^{7}$ | $5 \frac{7}{8}$ | Matabele Land, South Africa. | H. and C. Beddington. |
| $13{ }^{5}$ | $5^{\frac{1}{2}}$ | $5^{\frac{1}{2}}$ | East Africa ... | H. C. V. Hunter. |
| $13 \frac{5}{8}$ | $5 \frac{3}{8}$ | $4 \frac{1}{8}$ | ... ... ... | Sir Victor Brooke's Collection. |
| $13 \frac{1}{2}$ | $5 \frac{1}{2}$ | 7 | South Africa ... | F. C. Selous. |
| $13 \frac{1}{2}$ | $5^{\frac{1}{7}}$ | $5^{\frac{1}{2}}$ | Matabele Land, South Africa. | H. and C. Beddington. |
| $13 \frac{3}{8}$ | $5 \frac{3}{8}$ | 5 | South Africa ... | F. Ci Selous. |
| $13 \frac{1}{8}$ | $5 \frac{1}{4}$ | 6 | Do. | Do. |
| 13 | $6 \frac{1}{4}$ | $5^{\frac{1}{8}}$ | East Africa ... | F. J. Jackson. |
| 13 | $5 \frac{1}{2}$ | 51 ${ }^{\frac{1}{2}}$ | Matabele Land, South Africa. | H. and C. Beddington. |
| 127 ${ }^{\frac{7}{8}}$ | 5 | $6 \frac{5}{8}$ | ... ... ... | W. C. Oswell. |

BUSHBUCK (Tragelaphus sylvaticus)-continued.

| Length. | Circumference. | -Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 129 ${ }^{\text {皃 }}$ | ... | 612 | ... ... ... | Rowland Ward's Collection. |
| 125 | 5 | $5^{\frac{1}{4}}$ | ... ... ... | W. D. James. |
| $12 \frac{1}{2}$ | $5^{\frac{1}{2}}$ | $4{ }^{\frac{1}{2}}$ | South Africa ... | J. A. Nicoll. |
| 12 | $4{ }^{\frac{3}{8}}$ | $4{ }^{\frac{5}{8}}$ | Do. ... | F. C. Selous. |
| $1{ }^{\frac{3}{4}}$ | 5 | $6 \frac{3}{8}$ | East Africa ... | Sir Robert Harvey, Bart. |
| $11_{2}^{1}$ | (owner's measurement) | 4 | Do. ... | Sir John Willoughby, Bart. |
| $11 \frac{1}{2}$ | $5^{\frac{1}{4}}$ | $3{ }^{\frac{5}{8}}$ | - | H. R.H. Duke of Edinburgh. |
| $1{ }^{\frac{1}{2}}$ | $4{ }^{\frac{7}{8}}$ | $4^{\frac{1}{2}}$ | South Africa ... | A. Beit. |
| $1{ }^{\frac{1}{4}}$ | $4 \frac{3}{8}$ | $4^{\frac{1}{2}}$ | East Africa ... | F. J. Jackson. |
| 11 | 51 | 5 | ... | Col. Ralph Vivian. |
| 108 | 5 | $3^{\frac{1}{2}}$ | $\cdots$.... ... | J. Carr-Saunders. |

## HARNESSED ANTELOPE (Tragelaphus scriptus).

Habitat-South and East Africa.

| Length along the bend. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $17 \frac{7}{8}$ | $6 \frac{1}{4}$ | $5{ }^{7}$ | Zanzibar ... ... | Sir John Kirk, M.D., K.C.B. |
| $16 \frac{5}{8}$ | $5^{\frac{7}{8}}$ | $6 \frac{1}{4}$ | Mandar Island, near Zanzibar. | Do. |
| $15 \frac{3}{8}$ | $6 \frac{3}{8}$ | $7{ }^{\frac{1}{2}}$ | South Africa | Maj. -Gen. Arthur Ellis, C.S.I. |
| $15 \frac{3}{8}$ | $5^{\frac{1}{2}}$ | $7 \frac{1}{8}$ | Do. ... | Hon. Charles Ellis. |
| *13 ${ }^{\frac{1}{2}}$ | 5章 | $5^{\frac{3}{8}}$ | Do. | British Museum. |
| 14 | $5^{\frac{1}{2}}$ | $4 \frac{1}{8}$ | Do. | Hon. Charles Ellis. |
| $13 \frac{1}{2}$ | $5 \frac{1}{8}$ | $4 \frac{3}{8}$ | Do. | Sir John Willoughby, Bart. |
| $13 \frac{3}{4}$ | $4{ }^{\frac{3}{4}}$ | $3^{\frac{1}{2}}$ | Mombasa | Sir John Kirk, British Museum. |
| $13 \frac{1}{8}$ | $5 \frac{1}{8}$ | $3^{\frac{1}{2}}$ | Lower Zambesi ... | F. C. Selous, British Museum. |
| 123 | 5 | $4^{\frac{1}{2}}$ | South Africa ... | A. E. Capell. |
| $12 \frac{5}{8}$ | $5^{\frac{1}{4}}$ | $4 \frac{1}{8}$ | Orange River ... | British Museum. |
| $12 \frac{5}{8}$ | $4 \frac{5}{8}$ | $4 \frac{3}{8}$ | ... ... ... | Do. |
|  | $5 \frac{1}{8}$ | $4 \frac{5}{8}$ | Chobe River ... | F. C. Selous, British Museum. |
| $11 \frac{3}{4}$ | $5^{\frac{1}{2}}$ | 65 | $\cdots$.... $\quad$. | Sir Victor Brooke's Collection. |
| $11 \frac{3}{4}$ | $5 \frac{1}{8}$ | $4^{\frac{1}{2}}$ | Uganda ... | Capt. Speke, British Museum. |
| II | 45 ${ }^{\frac{5}{8}}$ | $5^{7}$ | Limpopo River ... | R. Gordon Cumming, British Museum. |
| $10 \frac{1}{2}$ | $4{ }^{\frac{1}{2}}$ | $2 \frac{1}{4}$ | Gambia ... ... | Earl Derby, British Museum. |

* The above are Banded Bushbuck.


## SITUTUNGA ANTELOPE (Tragelaphus spekei).

[Sir Victor Brooke, Bait., P.Z.S. i87i, p. 485.]
Hair of sides coarse and long, without stripes; hoofs long ; general colour rusty brown; neck maned; horns smooth, slender, strongly keeled ; hair of sides and body of uniform length.

Native name-" Nakong."
Habitat-Central and Southern Central Africa.

| Length. |  | Circum. ference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Round curve. | Straight lines. |  |  |  |  |
| 325 | 27 | $7{ }^{\frac{1}{2}}$ | 163 | ... ... | F. C. Selous. |
| 317 | $25 \frac{3}{4}$ | $8 \frac{1}{8}$ | 17 星 | ... ... ... | Do. |
| $31 \frac{1}{2}$ | $24 \frac{3}{8}$ | 7 | $16 \frac{1}{8}$ | Chobe River, Mashuna Land. | British Museum. |
| ... | 25 | ... | ... | ... ... ... | F. C. Selous, "A Hunter's Wanderings." |
| 295 | $24^{\frac{1}{2}}$ | 818 | $16 \frac{3}{8}$ | ... ... ... | F. C. Selous, |
| 28 | 233 | $7 \frac{3}{4}$ | 197 |  | W. C. Oswell. |
| 27 | 213 | 68 | 12 | ... ... ... | The late J. S. Jameson. |
| 26 | ... | $7 \frac{3}{8}$ | 87 | ... ... ... | Hon. Charles Ellis. |
| 26 | 22 $\frac{5}{8}$ | 7 | $17 \frac{1}{2}$ | ... | Sir Victor Brooke's Collection. |
| 26 | $20 \frac{7}{8}$ | $6 \frac{7}{8}$ | 16 | ... ... ... | W. C. Oswell. |

SITUTUNGA ANTELOPE (Tragelaphus spekei)-continued.

| Length. |  | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Round curve. | Straight lines. |  |  |  |  |  |
| ... | 221 $\frac{1}{2}$ | $7 \frac{1}{2}$ | 10 |  | ... ... | Rowland Ward's Collection. |
| 25\% ${ }^{\frac{7}{8}}$ | $22 \frac{1}{4}$ | $7{ }^{\frac{1}{4}}$ | $19 \frac{3}{8}$ |  | $\cdots \quad \cdots$ | F. C. Selous, British Museum |
| $25^{\frac{1}{2}}$ | ... | 8 | 12 | $\cdots$ | ... ... | J. A. Nicoll. |
| $\cdots$ | 22 | - ${ }^{\circ}$ | ... | $\begin{gathered} \text { Chol } \\ \mathrm{Ma} \end{gathered}$ | be River, shuna Land. | F. C. Selous, "A Hunter's derings." |
| 235 | ... | $7{ }^{\frac{1}{4}}$ | 10 |  | - | Major Gould Adams. |
| $23 \frac{1}{2}$ | ... | $7{ }^{\frac{1}{4}}$ | $7 \frac{1}{8}$ |  | ... ... | Hon. Charles Ellis. |
| 20 | ... | 61 | $9 \frac{3}{5}$ | Zam | besi ... | British Museum. |

(Tragelaphus gratus).
Habitat-West Africa.

| Length. |  | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Straight line. | Round curve. |  |  |  |  |  |
| 19 | ... | ... | ... | Gaboon ... | ... | British Museum. |
| 18 | 23⿺ | $7{ }^{7}$ | $11 \frac{3}{1}$ | Do. | ... | Sir Victor Brooke's Collection. |

## INYALA (Tragelaphus angasi).

[G. F. Angas, P.Z.S. I848, p. 89.]
This brilliant Antelope, the Inyala of the Amazulu, appears to be a link between the Koodos and Boshbok, uniting in itself the markings and characteristic features of both these animals. The adult male is about 7 ft .6 in . in total length, and 3 ft .4 in . high at the shoulder. Though elegant in form, and much of the grace of the solitary Koodos, the robust and shaggy aspect of the male bears considerable resemblance to that of the Goat. Legs clean; hoofs pointed and black, with two oval cream-coloured spots in front of each fetlock, immediately above the hoof; horns Ift. Io in. long, twisted and sublyrate, very similar to those of the Boshbok, but rather more spiral; have polished extremities of a pale straw colour ; rest of horns brownish-black, deeply ridged from the forehead to about half the length of the horn; prevailing colour greyishblack, tinged with purplish-brown and ochre; on the neck, flanks, and cheeks, marked with several white stripes like the Koodos; forehead brilliant sienna-brown, almost approaching to orange; mane black down the back and white from the withers to the insertion of the tail ; ears 8 in . long, oval, rufous, tipped with black and fringed inside with white hairs; a pale ochreous circle round the eyes, which are connected by two white spots forming an arrowshaped mark on a black ground; nose black; a white spot on each side of the upper lip; chin and gullet white; and three white marks under each eye; neck covered with long shaggy hair, extending also under the belly and fringing the haunches to the knees; two white spots on the flanks, and a patch of long white hair on the anterior portion of the thigh; a white tuft under the belly and another on the dewlap; on the outer side of the fore-legs is a black patch above the knee surrounded by three white spots; legs below the knee bright rufous colour; tail I ft. 8 in. long, black above, with tip and inside white.

Female smaller and without horns.
The young resembles the female, but is rather paler in colour, and has more white spots on the flanks and sides.

Inhabits the lower undulating hills, scattered with Mimosa bushes, that border upon the northern shores of St. Lucia Bay, in the Zulu country, lat. $28^{\circ}$ south. Found in small troops of eight or ten together, feeding amongst the thickets.

INYALA (Tragelaphus angasi)-continued.
Habitat-South-East Africa and Zulu Country.

| Length. |  | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Round | Straight. |  |  |  |  |  |
| 28 | ... | $8 \frac{1}{8}$ | $10 \frac{1}{8}$ | South Africa | ... | British Museum. |
| 27\% | 2212 | $7 \frac{7}{8}$ | $9 \frac{1}{2}$ | Do. | .. | Sir Victor Brooke's Collection. |
| $27 \frac{3}{8}$ | ... | $8 \frac{1}{8}$ | $10 \frac{1}{8}$ | Do. | .. | Sir Edmund G. Loder, Bart. |
| $26 \frac{3}{4}$ | 22 | $7{ }^{\frac{3}{4}}$ | $12 \frac{1}{4}$ | Do. | ... | Sir Victor Brooke's Collection. |
| $26 \frac{1}{4}$ | 22 | 67 | 115 | Do. | ... | F. C. Selous. |
| 23 | ... | 7 | $5 \frac{5}{8}$ | Zulu Country | ... | R. S. Fellowes, British Museum. |
| 22 | ... | ... | ... | $\cdots$ | ... | Angas, P.Z.S. 1848 , p. 89. |

## TRAGELAPHUS EURYCEROS.

[Sir Victor Brooke, Bart., P.Z.S. i871, p. $485^{5}$.]
Harr of sides smooth and short, striped with white bands, descending from a white dorsal streak; hoofs short; general colour deep chestnut; stripes strongly marked, numerous; horns smooth, massive; neck, back, and belly maneless; tail bovine; fore limbs with dark markings anteriorly.

Habitat-West Africa.

| Length. |  | Circum- <br> ference. | $\begin{gathered} \text { Tip to } \\ \text { Tip. } \end{gathered}$ | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| On curve. | Straight. |  |  |  |  |  |
| 315 | $26 \frac{1}{2}$ | $9^{\frac{3}{4}}$ | $12 \frac{3}{8}$ | $\cdots$... | ... | Sir Victor Brooke's Collection. |
| $30 \frac{3}{4}$ | $24 \frac{7}{8}$ | $10 \frac{7}{8}$ | $12 \frac{3}{\frac{3}{4}}$ | West Africa | ... | Do. |
| 30 | $24 \frac{1}{8}$ | $9 \frac{5}{8}$ | $11 \frac{1}{4}$ | Ashkanholoo Mountains. |  | British Museum. |
| $29 \frac{1}{2}$ | 257 | $9^{\frac{3}{4}}$ | $10^{\frac{1}{8}}$ | $\cdots$ | - | P. Du Chaillu, British Museum. |
| $27 \frac{5}{6}$ | 23䍃 | $10 \frac{1}{8}$ | $10 \frac{5}{8}$ | Fantee ... | ... | Do. |
| ... | 197 ${ }^{\frac{7}{8}}$ | 8 | $6 \frac{5}{8}$ | Gaboon ... | . | Do. |



## GREATER KOODOO (Strepsiceros kudu).

$$
\begin{gathered}
\text { Somali name-" Godir." } \\
\text { Schutana name-" Tolo." } \\
\text { Lower Zambesi name-" Goma." } \\
\text { Habitat-North, East, and South Africa. }
\end{gathered}
$$

| Length. |  | Circumference. | Tip to Tip. | Habitat. | Owne:- |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Straight line. | Round curve. |  |  |  |  |
| 453 ${ }^{\frac{3}{8}}$ | 605 | $1{ }^{1} \frac{1}{2}$ | 33 | South Africa ... | F. C. Selous, |
| 451 ${ }^{\frac{1}{8}}$ | $55^{\frac{7}{8}}$ | $1{ }^{\frac{1}{4}}$ | $37 \frac{1}{8}$ | Do. | W. C. Oswell. |
| $44 \frac{7}{8}$ | $57^{\frac{1}{4}}$ | $11 \frac{3}{4}$ | 343 | Africa ... ... | Sir Edmund G. Loder, Bart. |
| $44^{\frac{1}{4}}$ | 59 | $1 \mathrm{I}_{4} \frac{1}{4}$ | 26 | South Africa ... | The late J. S. Jameson. |
| $44^{\frac{1}{4}}$ | $56 \frac{1}{4}$ | $11 \frac{3}{8}$ | $33^{\frac{1}{1}}$ | Do. | Hon. Walter Rothschild. |

## GREATER KOODOO（Strepsiceros kudu）－continued．

| Length． |  | Circum－ ference． | Tip to Tip． | Habitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Straight line． | Round curve． |  |  |  |  |  |
| 437 | $61 \frac{1}{4}$ | 105 | 29 | South Africa ． | ．．． | Rowland Ward＇s Collection． |
| 43知 | $55^{\frac{1}{2}}$ | 10 | $44 \frac{7}{8}$ | Do． | ．．． | W．C．Oswell． |
| $43^{\frac{1}{2}}$ | $54^{\frac{1}{2}}$ | $11 \frac{1}{2}$ | 33 年 | Do． | ．．． | Hon．Walter Rothschild． |
| 43 | 571 | II $\frac{5}{8}$ | $34 \frac{3}{4}$ | Do． | ．．． | H．and C．Beddington． |
| 43 | $56 \frac{1}{2}$ | $10 \frac{1}{4}$ | 29 | Do． | ．．． | C．Ansell． |
| 43 | 56 | $10 \frac{3}{4}$ | 43 | Do． | ．．． | F．C．Selous． |
| 43 | 55 | $11 \frac{1}{2}$ | 25 | Do． | － | Hon．Walter Rothschild． |
| 42 䍃 | $54 \frac{1}{8}$ | I $1 \frac{5}{8}$ | 33\％ | Do． | ．．． | A．Beit． |
| $42 \frac{5}{8}$ | $56 \frac{1}{2}$ | $10 \frac{3}{8}$ | $38 \frac{3}{4}$ | Do． | ．．． | Sir Victor Brooke＇s Collection． |
| $42{ }^{\frac{1}{2}}$ | $58 \frac{1}{2}$ | II | $31 \frac{1}{8}$（owner＇s measurement） | Africa | ．．． | Edmund Smith． |
| $42 \frac{1}{2}$ | 53 | $11 \frac{1}{2}$ | 30 | South Africa | $\cdots$ | A．W．Davies． |
| $42 \frac{1}{2}$ | 50 | $\mathrm{II}^{\frac{1}{2}}$ | 32 | Africa | － | Major Gould Adams． |
| 42 | 54 | II | 45 | Do． | ．．． | E．R．Thompson． |
| $41 \frac{7}{8}$ | $52 \frac{1}{8}$ | 103 | $39 \frac{5}{8}$ | Do． | ．．． | Hon．Charles Ellis． |
| $41 \frac{1}{2}$ | 57 | $9 \frac{3}{\frac{3}{4}}$ | $31 \frac{1}{2}$ | South Africa | $\cdots$ | James Greenlees． |
| $41 \frac{1}{8}$ | $55^{\frac{3}{4}}$ | $10 \frac{1}{8}$ | $24^{\frac{3}{8}}$ | Do． | － | F．C．Selous． |
| 41 | 64 | $\cdots$ | ．．． | Mashuna Land |  | F．C．Selous，＂A Hunter＇s Wan－ derings．＂ |
| 41 | $57 \frac{3}{4}$ | $9^{\frac{3}{4}}$ | $24 \frac{3}{4}$ | South Africa | ．．． | G．H．Banks． |
| 41 | $56 \frac{1}{2}$ | $10 \frac{1}{4}$ | 281 ${ }^{\frac{1}{2}}$ | Do． | $\cdots$ | C．Ansell． |
| 4 I | 53每 | 10 | 25 | Do． | ．．． | J．A．Jameson． |
| $40 \frac{7}{8}$ | $53^{\frac{1}{2}}$ | 10 | $33 \frac{1}{8}$ | Do． | ．．． | The late J．S．Jameson． |
| $40 \frac{3}{4}$ | 62 | $10 \frac{3}{8}$ | $23 \frac{1}{2}$ | Do． | ．．． | F．C．Selous． |
| $40 \frac{5}{8}$ | $49 \frac{7}{8}$ | $11 \frac{1}{2}$ | $35^{\frac{3}{5}}$ | Do． | ．．． | H．and C．Beddington． |
| $40 \frac{1}{2}$ ． | 51 | $10 \frac{1}{4}$ | 285 | Do． | ．．． | A．Beit． |
| $40 \frac{1}{2}$ | 50 | II ${ }^{\frac{3}{4}}$ | $29 \frac{1}{2}$ | Do． | ．．． | Rowland Ward＇s Collection． |
| $40 \frac{1}{4}$ | 523 | 10 | $36 \frac{1}{2}$ | Do． | ．．． | Maj－Gen．Arthur Ellis，C．S．I． |

GREATER KOODOO (Strepsiceros kudu)-continued.

| Length. |  | Circum | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Straight line. | $\begin{aligned} & \text { Round } \\ & \text { curve. } \end{aligned}$ |  |  |  |  |  |
| $40 \frac{1}{4}$ | $50 \frac{1}{2}$ | $1{ }^{10} 1$ | $39 \frac{1}{8}$ | South Africa | ... | H. Atkinson. |
| 40 | $52 \frac{7}{8}$ | $10 \frac{1}{8}$ | 37 | Delagoa Bay | ... | Sir John Kirk, M.D., K. C. B. |
| 40 | $52 \%$ | $9{ }^{7}$ | $27 \frac{1}{4}$ | South Africa | ... | Bethnal Green Museum. |
| 40 | 523 | $9{ }^{\frac{3}{4}}$ | $28 \frac{3}{8}$ | Do. | ... | F. J. Horniman. |
| 397 | 497 | 107 | 40를 | Do. | ... | R. M. Sagar Musgrave. |
| $393 \frac{3}{4}$ | $54 \frac{1}{8}$ | $11 \frac{1}{2}$ | $23 \frac{3}{8}$ | Do. | ... | The late J. S. Jameson. |
| $39 \frac{3}{4}$ | $51 \frac{1}{2}$ | $10 \frac{1}{4}$ | 285 | Do. | ... | W. P. Rylands. |
| $39 \frac{3}{4}$ | $50 \frac{1}{2}$ | 1012 | 35 | Do. | ... | Hon. Charles Ellis. |
| $39 \frac{5}{8}$ | $51 \frac{1}{8}$ | $1{ }_{1}^{1 \frac{1}{4}}$ | $31 \frac{1}{2}$ | Do. | ... | W. P. Rylands. |
| $39 \frac{1}{2}$ | $52 \frac{3}{4}$ | 10量 | $18 \frac{1}{4}$ | Do. | ... | Do. |
| $39 \frac{1}{4}$ | $53 \frac{1}{2}$ | ı | $31 \frac{1}{8}$ | Africa ... | ... | Sir Victor Brooke's Collection. |
| $39 \frac{1}{4}$ | 481 | $10 \frac{1}{2}$ | $39 \frac{1}{2}$ | South Africa | ... | R. C. Dobson. |
| 39 | $53^{\frac{1}{2}}$ | ${ }_{1 I}$ | $27^{\frac{1}{4}}$ | Do. | ... | Rowland Ward's Collection. |
| 39 | 52 | $9{ }^{\frac{1}{2}}$ | 33 | Do. | ... | E. R. Thompson. |
| 39 | $50 \frac{3}{4}$ | $10 \frac{3}{4}$ | $27 \frac{5}{8}$ | Do. | ... | Maj.-Gen. Arthur Elis, C.S.I. |
| $38 \frac{3}{4}$ | $51 \frac{1}{8}$ | $1{ }^{\frac{1}{4}}$ | 285 | Do. | ... | A. Beit. |
| $38 \frac{1}{2}$ | $50 \frac{1}{4}$ | 812 | $29 \frac{1}{2}$ | Africa ... | ... | F. L. James, i88o. |
| $38 \frac{1}{4}$ | $51 \frac{1}{4}$ | 10 | $20 \frac{1}{2}$ | South Africa | ... | J. Carr-Saunders. |
| 38 | $54 \frac{7}{8}$ | ı | $18 \frac{1}{8}$ | Do. | ... | F. C. Selous. |
| 38 | 49 | 87 | $29 \frac{3}{8}$ | Somali Land | ... | C. Liddell. |
| 38 | $48 \frac{7}{8}$ | $9{ }^{\frac{3}{5}}$ | $36 \frac{3}{4}$ | South Africa | ... | G. H. Banks. |
| 38 | ... | 11 | $33 \frac{1}{2}$ | Do. | ... | Lieut. C. F. Gisborne. |
| 38 | 48 | $10 \frac{1}{2}$ | 36 | Do. | ... | J. A. Nicoll. |
| $37 \frac{1}{2}$ | 53 $\frac{5}{8}$ | $9^{\frac{3}{4}}$ | $25 \frac{3}{8}$ | Do. | ... | Maj.-Gen. Arthur Ellis, C.S.I. |
| $37 \frac{1}{2}$ | $52 \frac{1}{8}$ | $9{ }^{\frac{1}{4}}$ | $23 \frac{1}{2}$ | Somali Land | ... | T. W. H. Clarke. |
| $37 \frac{1}{8}$ | $47 \frac{1}{4}$ | $10 \frac{1}{4}$ | 351 $\frac{1}{2}$ | South Africa | ... | H.R.H. Duke of Edinbuzgh. |

## GREATER KOODOO (Strepsiceros kudu)-continued.

| Length. |  | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Straight } \\ & \text { line. } \end{aligned}$ | Round curve. |  |  |  |  |
| 37 | $53^{\frac{1}{2}}$ | $9 \frac{5}{8}$ | 23 | Somali Land ... | E Lort-Phillips. |
| 37 | $49 \frac{1}{2}$ | 11 | 20 | Do. ... | A. Haggard. |
| 37 | $49 \frac{1}{2}$ | $9{ }^{\frac{1}{4}}$ | $22 \frac{1}{4}$ | South Africa ... | F. C. Selous. |
| $36 \frac{5}{8}$ | $50 \frac{1}{2}$ | $9 \frac{1}{8}$ | 34 | Somali ... | E. Lort-Phillips. |
| 3612 | $47 \frac{1}{2}$ | $10 \frac{1}{4}$ | $27 \frac{5}{8}$ | South Africa ... | British Museum. |
| 36 | $56 \frac{1}{2}$ | ${ }_{1}$ | $33^{\frac{1}{2}}$ | Do. | M. S. Runcheman. |
| 36 | $48 \frac{5}{8}$ | $10 \frac{3}{8}$ | $31 \frac{1}{2}$ | Do. ... | British Museum. |
| 36 | $46 \frac{1}{4}$ | $9{ }^{\frac{3}{4}}$ | 25 | Africa | R. Farrow. |
| $35^{\frac{3}{4}}$ | 477 | $9{ }^{7}$ | 245 | Somali | A. H. Straker. |
| $35 \frac{1}{2}$ | 47 | $9 \frac{1}{4}$ | $33 \frac{5}{8}$ | Africa ... <br> (killed by a lion) | F. L. James. |
| $35 \frac{1}{8}$ | 4718 | 10 | $33^{1}$ | South Africa ... | British Museum. |
| 35 | $48 \frac{1}{4}$ | $9{ }^{\frac{3}{4}}$ | 27 | Somali -.. | Lieut. Merewether. |
| 35 | $47 \frac{1}{2}$ | $8{ }^{3}$ | 388 | Soudan ... | Col. Ralph Vivian. |
| 35 | 45 | $9 \frac{3}{8}$ | $32 \frac{1}{8}$ | West Africa ... | Capt. F. Cookson. |
| $34 \frac{7}{8}$ | 463 | $10 \frac{1}{4}$ | $21^{\frac{1}{4}}$ | South Africa ... | British Museum. |
| $34 \frac{1}{2}$ | $46 \frac{1}{2}$ | 9 ${ }^{\frac{1}{2}}$ | ... | Abyssinia ... | Do. |
| $34^{\frac{1}{2}}$ | 44 | $9{ }^{5}$ | $21 \frac{3}{8}$ | South Africa ... | G. H. Banks. |
| ... | 44 | 10 | 31 | Kaoko Land, West Africa. | Capt. F. Cookson. |
| ... | 44 | 9 | ... | North Africa ... | Capt. Brinkley. |
| ... | $43^{\frac{1}{2}}$ | $10 \frac{1}{2}$ | 29 | West Africa ... | Capt. F. Cookson. |
| 343 | $45 \frac{3}{8}$ | ${ }_{10} \frac{1}{8}$ | $25 \frac{5}{8}$ | South Africa | British Museum. |
| 33 年 | $46 \frac{1}{2}$ | $9^{\frac{1}{2}}$ | $24 \frac{1}{2}$ | Somali Land ... | Capt. H. G. C. Swayne. |
| $33^{\frac{1}{2}}$ | $42{ }^{\frac{1}{4}}$ | $9{ }^{\frac{3}{4}}$ | $28 \frac{1}{2}$ | West Africa ... | Capt. F. Cookson. |
| $\cdots$ | 42 | ... | ... | North Africa ... | Capt. Brinkley. |
| $3{ }^{1 \frac{1}{2}}$ | $41 \frac{1}{8}$ | $8 \frac{3}{4}$ | $28 \frac{1}{4}$ | Abyssinia ... | British Museum. |
| $28 \frac{1}{4}$ | 37 ${ }^{\frac{5}{4}}$ | $8{ }^{\text {I }}$ | 31 | - Do. ... | Do. |



LESSER KOODOO (Strepsiceros imberbis).
Somali name-" Anderio."

Habitat-Africa: Somali Land to Masai Land.

| Length. |  | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Straight line. | Round Curve. |  |  |  |  |
| $25^{\frac{1}{2}}$ | $30 \frac{5}{8}$ | $6 \frac{3}{8}$ | $11 \frac{1}{8}$ | Somali Land | A. H. Straker. |
| $25^{\frac{1}{4}}$ | $31 \frac{1}{2}$ | $6 \frac{3}{8}$ | 115 | Do. | Sir John Kirk, M. D., K. C, B. |
| 24⿺𠃊 | $31 \frac{1}{4}$ | 63 | $14^{\frac{1}{2}}$ | Do. | Capt. H. G. C. Swayne. |
| 24 $\frac{1}{2}$ | $\ldots$ | 61 | $14{ }^{\frac{1}{4}}$ | Do. | Rowland Ward's Collection. |
| 243 | $30 \frac{3}{4}$ | $6 \frac{5}{8}$ | 117 | Do. | W. D. James, |
| 24 | $30 \frac{3}{4}$ | 67 | 9 | Do. | E. P. Hare. |
| 24 | $30 \frac{1}{2}$ | $6 \frac{1}{2}$ | 12 | Do. | T. W. H. Clarke. |
| 24 | $\cdots$ | (owner's measurement) | $\cdots$ | $\cdots$ | Bombay Niatural History Society. |
| $23 \frac{1}{2}$ | 29. | $6 \frac{1}{2}$ | $11 \frac{1}{8}$ | East Africa... | Sir Robert Harvey, Bart. |
| ... | 29 | ... | 12 | Somali Land | Ernest Horn. |

LESSER KOODOO (Strepsiceros imberbis)-continucd.

| Length. |  | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { Straight } \\ \text { Line. } \end{gathered}$ | Round Curve. |  |  |  |  |
| 23 | ... | 63 | 103 | Somali Land | Col. Arthur Paget. |
| 23 | $28 \frac{1}{8}$ | $5^{\frac{1}{2}}$ | 115 | Do. | Sir John Kirk, British Mu- |
| 227 | $29 . \frac{3}{8}$ | 61 | 1448 | Do. | Lord Delamere. |
| $22 \frac{1}{1}$ | 287 | $6 \frac{1}{4}$ | $15^{\frac{1}{4}}$ | Do. | Do. |
| $22 \frac{1}{4}$ | 293 | $6 \frac{3}{8}$ | $13 \frac{5}{8}$ | Do. | E. Lort-Phillips. |
| $22 \frac{1}{8}$ | 28 ${ }^{\frac{1}{4}}$ | 53 | $13 \frac{1}{8}$ | Do. | J. Carr-Saunders. |
| $22 \frac{1}{8}$ | 267 | $5 \frac{1}{2}$ | $12{ }^{\frac{3}{4}}$ | South Somali Land. | Sir John Kirk, M. D., K. C. B. |
| 22 | 28 | $6{ }^{1}$ | $9{ }^{\frac{1}{2}}$ | Somali Land | C. H. Villiers. |
| 217 | 287 | $6 \frac{1}{2}$ | 9 | East Africa ... | H. C. V. Hunter. |
| $21 \frac{1}{2}$ | $28 \frac{3}{8}$ | $6 \frac{5}{8}$ | 1018 | Do. | Sir Robert Harvey, Bart. |
| 215 | $27 \frac{1}{4}$ | $6 \frac{1}{2}$ | $12 \frac{3}{4}$ | South Somali Lạnd. | Sir John Kirk, M. D., K. C. B. |
| 213 | $27 \frac{1}{1}$ | $6 \frac{5}{8}$ | 7 | Somali Land | Hon. Walter Rothschild. |
| 21 | (owner's measurement | ... | ... | Do. | J. D. Inverarity |
| 21 | $27^{\frac{1}{4}}$ | $6 \frac{1}{2}$ | 7 | Do. | Rowland Ward's Collection. |
| $20 \frac{3}{4}$ | 26 | $6 \frac{3}{8}$ | $12 \frac{1}{8}$ | Do. | E. Lort-Phillips. |
| $20 \frac{1}{2}$ | 25 | $5 \frac{5}{8}$ | $12 \frac{1}{8}$ | East Africa... | II. C. V. Hunter. |
| $20 \frac{1}{4}$ | 26 | 6 | $11{ }^{\frac{3}{4}}$ | Do. | Sir Robert Harvey, Bart. |
| 20 | 24 | 6 | 14 | Do. | W. Astor Chanler. |
| 19 | $23 \frac{1}{2}$ | $5 \frac{3}{4}$ | $7{ }^{\frac{1}{2}}$ | River Juba, Somali. | Sir John Kirk, British Muselum. |
| 187 | 245 | 5 ${ }^{\frac{1}{7}}$ | $4{ }^{\frac{3}{1}}$ | East Africa ... | Sir Robert Harvey, Bart. |
| ... | $24 \frac{1}{8}$ | $5{ }^{5}$ | 12 2 砍 | Do. | H. C. V. Hunter. |
| 187 | 227 | $5^{\frac{1}{4}}$ | 12 | Somali Land | Sir John Kirk, British Museum. |
| $17 \frac{5}{8}$ | $21 \frac{3}{8}$ | 53 | $5 \frac{1}{8}$ | Do. | Sir John Kirk, M.D., K.C.B. |
| 17 | ... | ... | 14 | Near Lanjora | Sir J. Willoughby, Bt., "East Africa and its Big Game" |
| 151 ${ }^{\frac{1}{8}}$ | $17 \frac{7}{8}$ | $5 \frac{1}{8}$ | II | East Africa... | F. J. Jackson. |



## ELAND (Oreas canna): Do. (Do. derbianus):

Bechuana Name-"Impofu."
Habitat-South, East, and Central Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| *344 ${ }^{\frac{1}{4}}$ | 125 | $22 \frac{3}{1}$ | ..: ... | .:. | Sir Edmund G. Loder, Bart. |
| 34 | $13^{\frac{1}{2}}$ | (owner's mea- surements) | ... ... | .:- | F. Coburn. |
| *34 | $12 \frac{3}{4}$ | - | ... ... | $\cdots$ | J. Carr-Saunders. |
| *32 ${ }^{\frac{1}{2}}$ | $12 \frac{1}{2}$ | 297 | Gambia... | ... | Earl of Derby, British Museum. |
| * P $^{3}{ }^{\frac{1}{2}}$ | $9^{\frac{1}{4}}$ | $12 \frac{3}{4}$ | ... ... | ... | Sir Edmund G. Loder, Bart. |
| *32 | 13 | $24^{\frac{1}{2}}$ | ... ... | ... | Hon. Walter Rothschild. |
| *317 | 115 | $28 \frac{5}{8}$ | Senegambia | ... | Earl of Derby, British Museum. |
| 31 爯 | $12 \frac{1}{4}$ | $22 \frac{3}{4}$ | ... | ... | Hon, Walter Rothschild. |

ELAND（Oreas canna and Oreas derbianus）－continued．

| Length． | Circum－ ference． | Tip to Tip． | Habitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| す31 ${ }^{\frac{5}{8}}$ | 1013 | 251 | East Africa | ．．． | F．J．Jackson． |
| 오31 ${ }^{\frac{1}{2}}$ | 81 ${ }^{\frac{1}{4}}$ | $20 \frac{3}{8}$ | South Africa | ．．． | F．C．Selous． |
| す31 ${ }^{\frac{1}{2}}$ | $12 \frac{3}{1}$ | $12 \frac{1}{2}$ | Mashonaland | ．．． | Do．British Museum． |
| ＊31 ${ }^{\frac{1}{8}}$ | 12 | 18 㖣 | ．．．．．． | ．．． | Sir Victor Brooke＇s Collection． |
| す31 | 13 | 12 | South Africa | ．．． | F．C．Selous． |
| ＊307 | 103 | 263 |  | ．．． | F．W．Reade，British Museum． |
| ¢ 307 | $7{ }^{7}$ | $15 \frac{3}{4}$ | South Africa | ．．． | F．C．Selous． |
| す30 ${ }_{\text {a }}$ | $12 \frac{3}{8}$ | $16 \frac{1}{8}$ | Do， | ．．． | Do． |
| す298 | $11 \frac{1}{4}$ | 19\％ | Mashonaland | ．．． | Do．British Museum． |
| 아29 ${ }^{\frac{5}{8}}$ | $7 \frac{1}{2}$ | $21 \frac{1}{8}$ | South Africa | ．．． | Do． |
| $29 \frac{3}{8}$ | $7{ }^{\text {\％}}$ | $9{ }^{\frac{3}{5}}$ | Algoa Bay | ．．． | British Museum． |
| 아29\％ | $6 \frac{5}{8}$ | 178 |  | ．．． | W．C．Oswell． |
| $29 \frac{1}{8}$ | $12 \frac{1}{2}$ | $14{ }^{\frac{7}{8}}$ | South Africa | ．．． | F．C．Selous． |
| す29 | $\cdots$ | ．．． | Mashonaland | ．．． | Do．＂A Hunter＇s Wander－ |
| 29 | $10 \frac{1}{1}$ | 21 | South Africa | ．．． | Major Gould Adams． |
| $28 \frac{1}{\frac{1}{4}}$ | $10 \frac{1}{2}$ | 193 ${ }^{\frac{1}{2}}$ | ．．．．．． | ．．． | Do． |
| 928 ${ }^{\frac{1}{4}}$ | $7{ }^{\frac{7}{8}}$ | 133 | South Africa | ．．． | F．C．Selous． |
| す27\％ | $12 \frac{1}{2}$ | 2012 | Do． | ．．． | Do． |
| ¢ 273 | $6{ }^{5}$ | $12 \frac{1}{1}$ | Do． | ．．． | II．Atkinson． |
| す271 | 101 $\frac{1}{8}$ | 183 | Do． | ．．． | Do． |
| $27 \frac{1}{2}$ | ．．． | 2013 | Do． | ．．． | Dr．Knight Bruce（Bishop of Bloom－ fontein）． |
| 927 |  | ıо | ．．．．．． | ．．． | Sir John Willoughby，Bart．，＂East Africa and its Big Game．＂ |
| 27 | 1012 | I $8^{\frac{3}{1}}$ | ．．．．．． | ．．． | R．C．Dobson． |
| 27 | $8 \frac{1}{8}$ | $12 \frac{5}{8}$ | South Africa | ．．． | The late J．S．Jameson． |
| 27 | $1 \mathrm{I}_{\frac{1}{2}}$ | $18 \frac{1}{4}$ | ．．． | ．．． | Rowland Ward＇s Collection． |
| 27 | ＇．．． | ．．． | Mashonaland | ．．． | F．C．Selous，＂A Hunter＇s Wander－ ings．＂ |

[^8]ELAND (Oreas canna and Oreas derbianus)-continucd.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 267 | $10^{\frac{1}{2}}$ | $17 \frac{3}{4}$ | South Africa | ... | The late J. S. Jameson. |
| $26 \frac{3}{4}$ | ıо | 19를 | ... ... | $\ldots$ | H.R.H. Duke of Edinburgh. |
| $26 \frac{5}{8}$ | $7 \frac{5}{8}$ | 18 | South Africa | ... | The late J. S. Jameson, |
| $26 \frac{1}{2}$ | $12 \frac{1}{4}$ | $12 \frac{3}{8}$ | Do. | ... | F. C. Selous. |
| 263 | 83 | 15 | Mashonaland | ... | Do. British Museum. |
|  | $7 \frac{3}{8}$ | $19 \frac{3}{4}$ | ... ... | ... | Earl of Derby, British Museum. |
| ¢ 26 | $8 \frac{1}{4}$ | $10 \frac{1}{8}$ | West Africa | ... | Capt. F. Cookson. |
| $25 \frac{7}{8}$ | $1{ }^{\frac{1}{2}}$ | $12 \frac{7}{8}$ | Mashonaland | ... | F. C. Selous, British Museum. |
| す25 $5^{\frac{3}{4}}$ | 115 | $14 \frac{1}{8}$ | Do. | ... | Do. Do. |
| $25^{\frac{3}{4}}$ | $10 \frac{1}{8}$ | 12 | East Africa | ... | H. C. V. Hunter. |
| $25 \frac{5}{8}$ | $1{ }^{\frac{1}{2}}$ | $13 \frac{1}{1}$ | South Africa | ... | J. A. Jameson. |
| 아 $25 \frac{5}{8}$. | $8 \frac{1}{8}$ | 142 | Mashonaland | ... | F. C. Selous, British Museum. |
| $25 \frac{5}{8}$ | 13 | 81 ${ }_{8}$ | South Africa | . | J. A. Jameson. |
| $25^{\frac{1}{2}}$ | 12 | 7 | Do. | ... | A. Beit. |
| 아2ㅡㄹ | $7{ }^{\frac{5}{8}}$ | $10^{\frac{1}{4}}$ | Do. | ... | Do. |
| $25 \frac{1}{8}$ | $9{ }^{\frac{7}{8}}$ | $16 \frac{1}{8}$ | East Africa | ... | H. C. V. Hunter. |
|  | $6 \frac{1}{4}$ | $9{ }^{\frac{1}{8}}$ | Do. | ... | Sir Robert Harvey, Bart. |
| ¢ 25 | 7 | $14^{\frac{1}{2}}$ | South Africa | ... | A. W. Davis. |
| $24 \frac{5}{8}$ | $10 \frac{1}{8}$ | 13 | Do. | ... | The Hon. Charles Ellis. |
| $24^{\frac{1}{2}}$ | 11 | 15 |  | ... | J. A. Nicoll. |
| $24 \frac{1}{2}$ | $6 \frac{3}{8}$ | $10 \frac{1}{2}$ | East Africa | ... | H. C. V. Hunter. |
| $24 \frac{3}{8}$ | $6 \frac{1}{4}$ | $15^{\frac{1}{8}}$ | Do. | ... | F. J. Jackson. |
| $24^{\frac{1}{4}}$ | 123 | 13 | Mashonaland | ... | F. C. Selous, British Museum. |
| * $24{ }^{\frac{1}{4}}$ | 9 | $6 \frac{1}{4}$ | Senegambia | ... | F. W. Reade, British Museum. |
| ¢ $24 \frac{1}{81}$ | $6 \frac{1}{4}$ | 2 | ... | ... | Sir Victor Brooke's Collection. |
| 24 | $7 \frac{1}{2}$ | 12 | East Africa | ... | Gen. Matthews. |

* Oreas derbianus.


## FLAND（Oreas canna and Oreas derbianus）－continucd．

| Length． | Circum－ ference． | Tip to Tip． | Habitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 | $\cdots$ | $12 \frac{1}{2}$ | East Africa | ．．． | H．C．V．Hunter． |
| す24 | ．．． | 12 | Do． | $\ldots$ | Sir John Willoughby，Bart．，＇＂East Africa and its Big Game．＂ |
| す23 ${ }^{\frac{7}{8}}$ | $9^{\frac{1}{8}}$ | $12 \frac{1}{4}$ | Do． | $\ldots$ | Sir Robert Harvey，Bart． |
| 23䍃 | $10 \frac{1}{4}$ | $13 \frac{1}{2}$ | $\ldots$ ．．． | $\ldots$ | W．C．Oswell． |
| 235 | $7 \frac{1}{8}$ | $11 \frac{1}{4}$ | East Africa | $\ldots$ | H．C．V．Hunter． |
| ¢ $23 \frac{1}{\frac{1}{2}}$ | $6 \frac{1}{2}$ | $9^{\frac{1}{2}}$ | Do． | ．．． | Sir Robert Harvey，Bart． |
| $23^{\frac{1}{2}}$ | $10 \frac{1}{2}$ | II | Do． | $\ldots$ | Prince Boris Czetwertynski． |
| $23^{\frac{1}{2}}$ | $7 \frac{1}{4}$ | $17 \frac{1}{8}$ | Do． | $\ldots$ | Sir John Kirk，M．D．，K．C．B． |
| $23^{\frac{1}{2}}$ | 103 | 11 | South Africa | $\ldots$ | H．and C．Beddington． |
| 233 | $9^{\frac{1}{4}}$ | 123 | Do． | ．．． | Bethnal Green Museum． |
| ¢ $233^{\frac{1}{4}}$ | $6 \frac{3}{8}$ | $6 \frac{5}{8}$ | East Africa | ．． | Sir Robert Harvey，Bart． |
| す23 ${ }^{\frac{1}{8}}$ | 107 | $12 \frac{1}{2}$ | $\ldots$ ．．． | ．．． | Sir Edmund G．Loder，Bart． |
| 23 | 10 | 10 | East Africa | ．．． | Prince Stargynski． |
| す22 ${ }^{\frac{3}{4}}$ | $9{ }^{\frac{7}{8}}$ | $9^{\frac{1}{4}}$ | Do． | $\cdots$ | F．J．Jackson． |
| $22 \frac{3}{4}$ | $6 \frac{3}{4}$ | 12 | South Africa | ．．． | British Museum． |
| 22 | $9{ }^{7}$ | $10 \frac{3}{4}$ | $\cdots$ ．．． | ．．． | The Hon．Walter Rothschild． |
| ¢ 22 | 53 | $12 \frac{3}{4}$ | ．．．．．． | ．．． | Sir Edmund G．Loder，Bart． |
| 22 | 63 | 10 | East Africa | $\ldots$ | F．J．Jackson． |
| 203 | 118 | $10 \frac{1}{4}$ | South Africa | ．．． | The late J．S．Jameson． |
| 195 | 117 | 121 $\frac{1}{1}$ | $\cdots$ | ．．． | Earl of Derby，British Museum． |

## CHAIMOIS (Rupicapra tragus).

Habitat-Mountains of Europe, from the Pyrenees to Caucasus.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $10 \frac{1}{4}$ | $3 \frac{1}{2}$ | $5^{\frac{1}{t}}$ | ... ... | ... | E. N. Buxton, |
| $10 \frac{1}{4}$ | 41 ${ }_{8}$ | $3{ }^{\text {T }}$ | Caucasus | ... | Sir Edmund G. Loder, Bart. |
| $9{ }^{\frac{7}{3}}$ | $3^{\frac{1}{4}}$ | $4{ }^{\frac{1}{4}}$ | ... ... | ... | H. R.H. Duke of Edinburgh. |
| *9 ${ }^{\frac{3}{4}}$ | $3^{\frac{1}{2}}$ | $5 \frac{1}{8}$ | $\cdots \quad \cdots$ | ... | H. I. and R. H. Crown Prince Rudolph of Austria, British Museum. |
| *93 ${ }^{\frac{3}{4}}$ | $3^{\frac{1}{4}}$ | $3{ }^{\frac{7}{8}}$ | Transylvania | ... | C. G. Danford, British Museum. |
| $9{ }^{\frac{5}{8}}$ | $3^{\frac{1}{4}}$ | $4^{\frac{1}{2}}$ | Caucasus | ... | St. George Litlledale, 189 r . |
| $9{ }^{\frac{5}{8}}$ | $3{ }^{3}$ | $4{ }^{\frac{3}{4}}$ | Piz Diavel | ... | E. N. Buxton, 1876. |
| $9{ }^{5}$ | $3{ }^{\frac{5}{8}}$ | 4 | ... ... | ... | Capt. Townley Parker. |
| $9 \frac{5}{8}$ | 3 | $3 \frac{5}{8}$ | ... ... | ... | The Hon. Walter Rothschild. |
| *9 ${ }_{9}{ }^{\frac{5}{8}}$ | $3{ }^{\frac{1}{2}}$ | $3^{\frac{1}{2}}$ | Tyrol ... | ... | H. I. and R.H. Crown Prince Rudolph of Austria, British Museum. |
| $9{ }^{\frac{3}{8}}$ | $3^{\frac{1}{4}}$ | $2 \frac{5}{8}$ | ... ... | $\cdots$ | J. Carr-Saunders. |
| $9^{\frac{1}{4}}$ | $2{ }^{\frac{1}{2}}$ | 4 | Alps ... | ... | Gen. Hardwicke, British Museum. |
| $9 \frac{1}{8}$ | $3 \frac{3}{8}$ | $3{ }^{\frac{7}{8}}$ | ... ... | ... | H.R.H. Duke of Edinburgh. |
| $9{ }^{\frac{1}{8}}$ | $2 \frac{3}{4}$ | $4^{\frac{1}{4}}$ | ... ... | ... | Do. |
| 9 | $3{ }^{\frac{1}{2}}$ | $3{ }^{3}$ | ... ... | ... | W. H. Briggs. |
| ¢ 9 | $2 \frac{3}{4}$ | 4 ${ }^{\frac{1}{2}}$ | ... ... | ... | Maj.-Gen. Arthur Eliis, C.S.I. |
| $8 \frac{3}{4}$ | 3喏 | $4{ }^{\frac{1}{8}}$ | ... ... | ... | Do. |
| 83 | $3^{\frac{1}{2}}$ | 4 | ... ... | ... | Rowland Ward's Collection. |
| $8{ }^{\text {学 }}$ | $3 \frac{3}{8}$ | 3 | Caucasus | ... | St. George Littledale. |
| $8 \frac{3}{4} \times 5^{\frac{1}{4}}$ | $3 \frac{3}{8} \times 2 \frac{3}{1}$ | $\begin{aligned} & 4 \frac{1}{2} \times 3 \frac{1}{8} \\ & (4 \text { horns }) \end{aligned}$ |  | ... | Capt. Townley Parker. |
| 83 | 3 | ${ }_{3}{ }^{\text {7 }}$ | ... ... | ... | Gerald Buxton, 1883. |
| 83 | $3^{\frac{1}{2}}$ | $3 \frac{3}{8}$ | Caucasus | ... | St. George Littledale. |

[^9]CHAMOIS (Rupicapra tragus)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 83 | 27 | 21 | ... ... | ..: | The Hon. Walter Rothschild. |
| $8{ }_{8}^{8}$ | $3{ }^{3}$ | $3{ }^{3}$ | ... ... | $\ldots$ | E. W. Reegan. |
| $8{ }^{5}$ | $3^{\frac{1}{2}}$ | $2 \frac{3}{8}$ | Caucasus | ..: | St. George Littledale, $189 \mathbf{r}$. |
| 812 | $2 \frac{1}{2}$ | 38 | Do. | ... | Do. $\quad 1887$. |
| * $8 \frac{1}{2}$ | 25 | 4 | Alps ... | ... | J. Gould, British Museum. |
| 아 83 | $2{ }^{\frac{1}{4}}$ | $4{ }^{3}$ | Pyrenees | ... | Sir Victor Brooke's Collection. |
| $\delta^{\frac{3}{3}}$ | 3 | $3{ }^{3}$ | ... ... | $\ldots$ | British Museum. |
| $8 \frac{3}{8}$ | $3 \frac{1}{8}$ | $3{ }^{\frac{1}{8}}$ | Caucasus | $\ldots$ | St. George Littledale, 1887. |
| $8_{\frac{1}{1}}$ | $3{ }^{3}$ | $2{ }^{\text {妾 }}$ | Do. | $\ldots$ | Do. I891. |
| $8{ }_{4}^{1}$ | $2 \frac{7}{8}$ | 4 | ... ... | ... | H.R.H. Duke of Edinburgh. |
| $8 \frac{1}{4}$ | $3{ }^{3}$ | $3 \frac{1}{8}$ | Alps ... | $\ldots$ | Gen. Hardwicke, British Museum. |
| 아 $8_{8}^{1}$ | $2 \frac{5}{8}$ | $4{ }^{\text {冎 }}$ | ... ... | ... | Maj.-Gen. Arthur Ellis, C.S.I. |
| $8_{8}^{1}$ | 27 | $3^{\frac{1}{2}}$ | ... ... | ... | E. N. Buxton. |
| ㅇ. $8_{8}^{18}$ | 3 | 2 | Caucasus | ... | St. George Littledale, 1887. |
| $8 \frac{1}{8}$ | $3^{\frac{1}{1}}$ | 3 ${ }^{3}$ | Do. | ... | Do. 1886. |
| ¢ 8 | $2 \frac{1}{2}$ | 3 | ... ... | ... | Maj.-Gen. Arthur Ellis, C.S.I |
| 8 | $3 \frac{3}{8}$ | $2{ }^{7}$ | Caucasus | ... | St. George Littledale, 1887. |
| ¢ 8 | $2{ }^{3}$ | $3{ }^{3}$ | Do. | $\ldots$ | Do. 1886. |
| 78 | $3^{\frac{1}{2}}$ | $1 \frac{5}{6}$ | Do. | ... | Do. 1891. |
| 73 | $3 \frac{3}{8}$ | $3{ }^{\frac{1}{2}}$ | Do. | ... | Do. $\quad 1887$. |
| 73 | 23 | 35 | ... ... | ... | E. N. Buxton, 1883. |
| $7{ }^{3}$ | 27 | 3 | Alps ... | $\ldots$ | Dr. J. E. Gray, British Museum. |
| 아 $7 \frac{3}{4}$ | $2 \frac{3}{4}$ | $3{ }^{\frac{7}{8}}$ | Caucasus | ... | St. George Littledale, 1887. |
| 아 75 | $2 \frac{7}{8}$ | $2 \frac{3}{8}$ | Do. | ... | Do. $\quad 1887$. |
| * $7 \frac{1}{2}$ | $2{ }^{3}$ | $2{ }_{8}^{8}$ | Do. | ... | British Museum. |
| $7{ }^{\frac{1}{2}}$ | $3 \frac{3}{8}$ | $3^{\frac{1}{2}}$ | Do. | ... | St. George Littledale, 1887. |

[^10]CHAMOIS (Rupicapra tragus)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 아 $7 \frac{1}{2}$ | $2{ }^{\frac{3}{4}}$ | 5 | Caucasus | ... | St. George Littledale, $\mathbf{1} 89 \mathrm{I}$. |
| ¢ 7 73 | $2{ }^{7}$ | $3{ }^{\frac{1}{2}}$ | Do. | ... | Do. 1887. |
| $7{ }^{\frac{1}{4}}$ | $3{ }^{\frac{3}{8}}$ | $3 \frac{3}{8}$ | Pyrences | ... | British Museum. |
| $7{ }^{\frac{1}{4}}$ | $2 \frac{5}{8}$ | 15 | Especieres | .. | E. N. Buxton, 1882. |
| 7 | $2 \frac{5}{8}$ | 2 | Alps ... | ... | Gen. Hardwicke, British Museum. |
| 97 | $2 \frac{3}{8}$ | $3{ }^{\frac{1}{2}}$ | Pyrenees | ... | Sir Victor Brooke's. Collection. |
| 67 | $3^{\frac{1}{4}}$ | $2 \frac{1}{8}$ | Alps ... | .. | Dr. J. E. Gray, British Museum. |
| ㅇ¢ 67 | $2 \frac{5}{8}$ | $2{ }^{3}$ | Caucasus | ... | St. George Littledale, British Museum. |
| $6 \frac{3}{1}$ | $3^{\frac{1}{8}}$ | $2 \frac{1}{8}$ | Alps ... | ... | Dr. J. E. Gray, British Museuan. |
| 우 61 | $2 \frac{1}{8}$ | $3 \frac{5}{8}$ | Pyrenees | ... | Sir Victor Brooke's Collection. |
| ¢ 6 | $2 \frac{3}{4}$ | $3 \frac{1}{8}$ | Caucasus | ... | St. George Littledale, 1886. |
| 6 | $2 \frac{5}{8}$ | 25 | ... ... | ... | Sir Victor Brooke's Collection. |

GOORAL or HIMALAYAN CHAMOIS (Nemorhœdus goral).
Habitat-Himalayas, from Bhotan and Sikim to Kashmir.

| Length. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. |  |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $7 \frac{5}{8}$ | $3^{3}$ | $3^{\frac{1}{2}}$ | India | ... | ... | Hume Collection, British Musieum |
| 7 | $3^{\frac{3}{4}}$ | $2 \frac{3}{4}$ | Do. | ... | ... | Capt. J. A. Orr-Ewing. |
| 7 | $3^{\frac{1}{2}}$ | $2 \frac{7}{8}$ | Do. | $\ldots$ | ... | J. M. Nicolls. |
| 63 | $3^{\frac{1}{2}}$ | 1 | Do. | ... | ... | Capt. G. Campbell. |
| $6 \frac{5}{3}$ | $3^{\frac{1}{2}}$ | $2 \frac{1}{8}$ | Do. | ... | ... | Hume Collection, British Museum. |
| $6 \frac{3}{8}$ | $3 \frac{1}{8}$ | $2{ }^{7}$ | Do. | ... | ... | J. Carr-Saunders. |
| $6 \frac{1}{4}$ | $3{ }^{\frac{3}{8}}$ | $3{ }^{\frac{1}{2}}$ |  | ... | ... | Sir Victor Brooke's Collection. |

GOORAL or HIMALAYAN CHAIMOIS (Nemorhœdus goral)-
continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| *6 ${ }_{4}^{1}$ | 4 | $3 \frac{1}{2}$ | North Mongolia | Messrs. Dorries, British Museum. |
| 6 | $2{ }^{5}$ | I | ... ... ... | Hume Collection, British Museum. |
| 6 | ... | ... | ... ... ... | B. H. Hodgson, P.Z.S. 1834. |
| $5{ }^{\frac{7}{8}}$ | $3^{\frac{1}{2}}$ | $2{ }^{\frac{3}{4}}$ | Kussowlie, North | Sir Victor Brooke's Collection. |
| 53 | $2 \frac{1}{2}$ | 2 | ... ... . | Do. |
| $5 \frac{5}{8}$ | $3 \frac{5}{8}$ | $2 \frac{1}{2}$ | ... ... ... | H. F. Campbell. |
| $5{ }^{\frac{1}{4}}$ | $3 \frac{1}{8}$ | $2{ }^{3}$ | Nepal ... ... | British Museum. |
| $5 \frac{1}{8}$ | $3 \frac{3}{8}$ | 3 | Do. ... | Do. |
| * 4 $^{\frac{3}{4}}$ | $3 \frac{3}{8}$ | $1 \frac{1}{2}$ | Pekin ... ... | F. W. Styer, British Museum. |
| * 4 䂞 | 3 | 2 | North China ... | British Museum. |
| $4 \frac{1}{2}$ | $3 \frac{1}{8}$ | $2{ }^{\frac{1}{2}}$ | Kussowlie, North India. | Sir Victor Brooke's Collection. |

JAPANESE GOORAL (Nemorhœdus crispus).
Habitat-Japan.

| Length. | Circum. <br> ference. | Tip to <br> Tip. | Habitat. |  | Owner. |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :--- |
| $5^{\frac{1}{4}}$ | $3^{\frac{1}{8}}$ | $3^{\frac{1}{8}}$ | Japan | $\ldots$ | $\ldots$ | British Museum. |

## SUMATRAN SEROW (Nemorhœdus sumatrensis).

Native name-" Cambing-Utan."
Habitat-Sumatra.



## HIMALAYAN SEROW or FOREST GOAT (Nemorhœdus bubalinus).

Habitat-Himalayas, from Kashmir to Sikim.



## ROCKY-MOUNTAIN GOAT (Haploceros montanus).

Habitat-North America.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $10 \frac{1}{8}$ | $6 \frac{1}{2}$ | (owner's | North America ... | Arthur Pearse. |
| $10^{\frac{1}{8}}$ | 5 | $6_{6 \frac{1}{8}}$ | Do. | E. N. Buxton. |
| ıо | 53 | 5 | Do, ... | J. C. L. Knight-Bruce. |
| $9^{\frac{1}{2}}$ | 512 | $6 \frac{1}{1}$ | Do. | St. George Littledale. |
| $9{ }^{\frac{1}{2}}$ | $4^{\frac{1}{4}}$ | ... | Do. ... | J. D. Cobbold. |
| $9{ }^{\frac{3}{8}}$ | $5{ }^{\frac{1}{4}}$ | $6 \frac{1}{2}$ | Do. | J. C. L. Knight-Bruce. |
| $9{ }^{\frac{1}{4}}$ | $5^{\frac{1}{2}}$ | ... | Do. ... | Earl of Lonsdale. |
| $9 \frac{1}{8}$ | ... | 6 | Montana ... | Thomas Bate, British Museum. |
| $8 \frac{3}{4}$ | 5 | $5^{\frac{1}{2}}$ | North America ... | St. George Littledale. |
| $8 \frac{1}{2}$ | $5 \frac{1}{8}$ | 53 | Do. ... | J. C. L. Knight-Bruce. |
| 8 | 5 | $3{ }^{\frac{3}{8}}$ | Rocky Mountains | J. K. Lord, British Museum. |
| 8 | $4^{\frac{7}{8}}$ | $6 \frac{3}{8}$ | North America ... | F. J. Horniman. |

## TAKIN (Budorcas taxicolor).

Habitat-Northern India.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $22 \frac{3}{8}$ | $10 \frac{5}{8}$ | $14 \frac{3}{4}$ | Assam ... | British Museum. |
| $20 \frac{7}{8}$ | $11 \frac{3}{8}$ | 117 | India . | Hume Collection, British Museum. |
| $20 \frac{3}{1}$ | 117 | $12 \frac{12}{12}$ | Do. | A. O. Hume, Private Collection. |
| $20 \frac{3}{4}$ | $9{ }^{\frac{5}{8}}$ | $13 \frac{3}{5}$ | Do. ... | Hume Collection, British Museum. |
| $20 \frac{1}{2}$ | $10 \frac{7}{8}$ | 123 | Nepal ... | B. H. Hodgson, British Museum. |
| $19 \frac{3}{8}$ | II | 15 | India ... | Sir Edmund G. Loder, Bart. |
| 18 | $10 \frac{1}{4}$ | 8 | Do. | British Museum. |
| $16 \frac{1}{8}$ | S $\frac{3}{4}$ | 10.8 | Do. ... | Do. |
| $15^{\frac{1}{4}}$ | $9 \frac{3}{8}$ | $5 \frac{3}{4}$ | Mishmi Mountain | B. H. Hodgson, British Museum. |
| $14 \frac{3}{3}$ | 83 | 87 | Upper Assam .. | Lieut.-Col. Graham. |



## HIMALAYAN IBEX (Capra sibirica).

Habitat-Himalayas from Kashmir to Nepal, and northwards to Turkestan.

| I.ength. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $51 \frac{1}{2}$ | (owner's | ... | Kashmir | ... | Martyn Kennard. |
| $51^{1 \frac{1}{4}}$ | $10 \frac{1}{3}$ | 16 | India ... | ... | Blyth, P.Z.S. 1840 , p. 80. |
| 51 | $9 \frac{1}{8}$ | 281 | Do. ... | ... | Sir Victor Brooke's Collection. |
| 50 | 9 | ... | ... ... | ... | Capt. John Brickley. |
| $49 \frac{3}{4}$ | $10 \frac{3}{8}$ | 251 | India ... | .. | Sir Edmund G. Loder, Bart. |
| 49 $\frac{1}{2}$ | $10 \frac{1}{8}$ | 42 | Kashmir | ... | Martyn Kennard, 1887. |
| 481 | $9{ }^{\frac{5}{8}}$ | $30 \frac{1}{2}$ | India ... | .. | A. O. Hume, Private Collection. |
| $47 \frac{7}{8}$ | $9{ }^{\frac{1}{8}}$ | $20 \frac{3}{5}$ | Do. ... | ... | Do. |
| $47^{\frac{1}{2}}$ | $1{ }^{1}+$ | 20 | Do. ... | ... | Rowland Ward's Collection. |
| 47 | II ${ }_{4}^{3}$ | ... | ... ... | $\ldots$ | Carl Hagenback. |
| 47 | $10 \frac{1}{2}$ | 29.3 | Kashmir | ... | Martyn Kennard, |
| 47 | ${ }_{10}$ | $\ldots$ | India ... | ... | Manners Smith. |
| $46 \frac{3}{4}$ | 101 $\frac{1}{2}$ | $24 \frac{1}{4}$ | Dangloongma | .. | Martyn Kennard, i888. |
| $46 \frac{1}{2}$ | ${ }_{1}$ | $24 \frac{3}{\text { 咅 }}$ | India ... | ... | Hon. Charles Ellis. |
| $46 \frac{1}{8}$ | $10 \frac{1}{4}$ | 20 | Kashmir | ... | Martyn Kennard. |
| 46 | $10 \frac{3}{4}$ | 25 | India .. | ... | Col. G. Jackson, 1867. |
| $4^{6}$ | $9{ }^{\frac{3}{4}}$ | 25 | Do. ... | ... | Sir Victor 13rooke's Collection. |

HIMALAYAN IBEX (Capra sibirica)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 455 | 9 | 9\% | Kashmir | ... | Martyn Kennard. |
| 45 ${ }^{\frac{1}{2}}$ | $10 \frac{1}{2}$ | $15 \frac{1}{ \pm}$ | Do. ... | .. | Do. |
| 45 $\frac{1}{2}$ | $9 \frac{1}{2}$ | ... | India ... | ... | Capt. Townley Parker. |
| $45 \frac{3}{8}$ | 9 ${ }^{\frac{1}{2}}$ | $22 \frac{1}{4}$ | Kashmir | ... | Martyn Kennard. |
| 45 | 11 | 36 | India ... | ... | Col. G. Jackson, IS67. |
| 445 | $10 \frac{3}{}$ | 30 | Do. ... | ... | A. O. Hume, Private Collection. |
| $44 \frac{1}{2}$ | $11{ }^{3}$ | 26 | Do. ... | ... | Capt. Orr-Ewing. |
| $43^{3}$ | $11{ }^{\frac{1}{2}}$ | 16 | Do. . | ... | J. Carr-Saunders. |
| $43{ }^{\text {3 }}$ | $10 \frac{1}{4}$ | $25 \frac{1}{8}$ | Kashmir | ... | Martyn Kenaard. |
| 435 | $10 \frac{2}{4}$ | $24 \frac{3}{4}$ | India ... | ... | Sir Robert Harvey, Bart. |
| $43^{\frac{1}{2}}$ | $9{ }^{3}$ | 19 | Do. ... | ... | Hume Collection, British Museum. |
| $43{ }^{\frac{1}{2}}$ | $\begin{gathered} \text { (owner's } \\ \text { measurement) } \end{gathered}$ | ... | Do. | .. | Capt. A. A. Kinloch (his book). |
| 43妾 | ${ }^{10 \frac{1}{8}}$ | $27 \frac{1}{8}$ | Kashmir | ... | Martyn Kennard. |
| 43 | 1212 | $35^{\frac{1}{2}}$ | India ... | ... | T. W. H. Greenfield. |
| 43 | ... | ... | Do. ... | .. | Lewis Flower. |
| $42{ }^{\frac{7}{8}}$ | $11{ }^{\frac{1}{8}}$ | $25^{\frac{3}{4}}$ | Do. ... | .. | A. O. Hume, Private Collection. |
| $42 \frac{7}{8}$ | $10 \frac{1}{2}$ | ... | Do. ... | ... | H. C. V. Hunter. |
| $42{ }^{\frac{7}{8}}$ | $10 \frac{3}{8}$ | $20 \frac{3}{4}$ | Do. ... | ... | Sir Robert Harvey, Bart. |
| 42 年 | $9{ }^{\frac{1}{8}}$ | 253 | Do. ... | ... | Do. |
| $42 \frac{1}{2}$ | $9{ }^{\frac{1}{2}}$ | 20 | Do. ... | ... | J. D. Cobbold. |
| $42 \frac{1}{8}$ | $9{ }^{\frac{5}{8}}$ | 207 | Kashmir | ... | Martyn Kennard. |
| 42 | $6 \frac{1}{2}$ | 27 | India ... | ... | Capt. Townley Parker. |
| $41^{7}$ | $10 \frac{1}{8}$ | 2012 | Kashmir | ... | Martyn Kennard. |
| 415 | $10 \frac{3}{1}$ | $22 \frac{1}{9}$ | Do. ... | $\ldots$ | Do. |
| 415 | 10 | $21 \frac{1}{8}$ | Do. ... | $\ldots$ | Do. |
| $4{ }^{1 \frac{1}{2}}$ | $10 \frac{1}{2}$ | $23^{\frac{1}{2}}$ | India ... | $\cdots$ | C. Spedding. |
| $4{ }^{1 \frac{1}{2}}$ | $9{ }^{5}$ | 179 | Kashmir | ... | Martyn Kennard. |
| $4 \mathrm{I}^{\frac{3}{8}}$ | $10 \frac{1}{2}$ | 20\% | Do. ... | $\cdots$ | Do. |

HIMALAYAN IBEX (Capra sibirica)-continued.


HIMALAYAN IBEX（Capra sibirica）－continuted．

| Length． | Circum－ ference． | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habilat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $38 \frac{1}{2}$ | $9{ }^{\frac{3}{8}}$ | $15 \frac{7}{8}$ | Yarkund | ．．． | Dr．Bellew，Brilish Museum． |
| $38 \frac{1}{2}$ | 9 | $24 \frac{1}{2}$ | India ．．． | ．．． | Rowland Ward＇s Collection． |
| 38 管 | 912 | $18 \frac{3}{1}$ | Kashimir | ．．． | R．Lydekker，British Museum． |
| $38 \frac{1}{4}$ | $10 \frac{3}{8}$ | $22 \frac{1}{2}$ | India ．．． | ．．． | Hon．Walter Rothschild． |
| $37 \frac{7}{8}$ | 107 | $22 \frac{3}{4}$ | Do．．．． | ．．． | British Museum． |
| $37 \frac{7}{8}$ | $10 \frac{1}{4}$ | 157 | Kashmir | ．．． | Martyn Kennard． |
| $37 \frac{3}{4}$ | $10 \frac{3}{6}$ | $24^{\frac{1}{4}}$ | India ．．． | ．．． | H．R．H．Duke of Edinburgh． |
| 37\％ | $11 \frac{1}{8}$ | $27 \frac{3}{4}$ | Do．．． | ．．． | Bethnal Green Museum． |
| 375 | ı | $12 \frac{1}{8}$ | Do．．．． | ．．． | Reginald Beech． |
| $37 \frac{5}{8}$ | $9{ }^{5}$ | $18 \frac{1}{2}$ | Kashmir | ．．． | Martyn Kennard． |
| $37 \frac{1}{2}$ | 10 | 177 | India ．．． | ．．． | Sir Robert Harvey，Bart． |
| $37 \frac{3}{8}$ | $9^{\frac{1}{4}}$ | 23 | Do．． | ．．． | Hume Collection，British Museum． |
| $37 \frac{1}{4}$ | $10 \frac{1}{8}$ | 183 | Kashmir | ．．． | Martyn Kennard． |
| $37 \frac{1}{8}$ | S ${ }^{\text {a }}$ | $13 \frac{3}{2}$ | Do．．．． | ．．． | St．George Littledale． |
| $36 \frac{7}{8}$ | $9{ }^{\frac{1}{2}}$ | $30 \frac{3}{4}$ | India ．．． | ．．． | British Museum． |
| $36 \frac{3}{4}$ | $11{ }^{\frac{1}{4}}$ | 24 | Kashazir | ．．． | Sir Victor Brooke＇s Collection． |
| 369 | $9{ }^{\text {号 }}$ | 26 | India ．．． | ．．． | Hume Collection，British Museum． |
| $36 \frac{5}{8}$ | $9{ }^{\frac{1}{8}}$ | 22 $\frac{1}{2}$ | Kashmir | ．．． | St．George Littledale， 1877. |
| $36 \frac{5}{8}$ | $9 \frac{1}{8}$ | 13 3 ${ }^{\text {B }}$ | India ．．． | ．．． | II．C．V．Hunter． |
| $36 \frac{1}{2}$ | $9 \frac{1}{2}$ | 27 곤 | Do． | ．．． | J．Carr－Saunders． |
| $36 \frac{1}{2}$ | $9{ }^{\frac{1}{8}}$ | $20 \frac{7}{8}$ | Do．．．． | ．．． | Hume Collection，British Museum． |
| $36 \frac{3}{5}$ | $9{ }^{\frac{3}{8}}$ | $17{ }^{\text {星 }}$ | Kashmir | ．．． | Martyn Kennard． |
| 36 宕 | $9 \frac{1}{8}$ | 23 | Do．．．． | ．．． | St．George Littledale． |
| 366 | $9{ }_{8}^{3}$ | 131 ${ }^{\frac{1}{4}}$ | India ．．． | ．．． | H．de Burgh． |
| $36 \frac{3}{8}$ | 8 87 | $21 \frac{1}{2}$ | Do．．．． | ．．． | F．J．Jackson． |
| $36 \frac{1}{3}$ | S7 | $13 \frac{1}{2}$ | Do． | ．．． | H．de Burgh． |
| $36 \frac{1}{8}$ | $9{ }^{\frac{1}{8}}$ | 24 年 | Kashmir | ．．． | Martyn Kennard． |
| 36 | 10 \％ | IS ${ }_{\text {I }}$ | India ．．． | ．．． | Hume Collection，British Museum． |

HIMALAYAN IBEX (Capra sibirica)-continucd.

| Length. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $35 \frac{3}{4}$ | 85 | $17 \frac{1}{8}$ | Kashmir | R. Lydekker, British Museum. |
| $35 \frac{1}{2}$ | $10 \frac{1}{2}$ | 23 | India | Capt. M. Murphy. |
| $35 \frac{3}{8}$ | $9 \frac{7}{8}$ | 20 | Do. ... | British Museum. |
| $35^{\frac{1}{4}}$ | $9 \frac{1}{2}$ | 81 | Kashmir | Martyn Kennard. |
| 351 $\frac{1}{8}$ | 9 | 1 I | Saar Mountains, Altai. | St. George Littledale, British Museum. |
| 35 | ... | ... | India ... | Major Lloyd Dickson. |
| 35 | $11 \frac{1}{8}$ | 177 | Himalayas | British Museum. |
| $34 \frac{1}{2}$ | $10 \frac{1}{2}$ | ... | India . | Rowland Ward's Collection. |
| $34 \frac{1}{2}$ | $9 \frac{3}{8}$ | $11 \frac{3}{4}$ | Kashmir | St. George Littledale, 1877. |
| $34 \frac{1}{2}$ | $8 \frac{5}{8}$ | $10 \frac{3}{1}$ | India . | British Museum. |
| $33 \frac{5}{8}$ | $8 \frac{5}{8}$ | $13 \frac{3}{4}$ | Kashaxir | St. George Littledale. |
| 333 | $9^{\frac{3}{4}}$ | $28 \frac{1}{2}$ | Do. ... | St. Ceorge Littledale, IS77. |
| $33^{\frac{3}{8}}$ | $9^{\frac{5}{8}}$ | $14{ }^{\frac{1}{4}}$ | India .. | Hume Collection, British Museum. |
| 33 | 9 | $20 \frac{1}{4}$ | Kashmir | St. George Littledale. |
| 33 | ... | $\ldots$ | India ... | Major Lloyd Dickson. |
| 32\% | 1018 | $13^{\frac{1}{4}}$ | Do. | Hume Collection, British Museum. |
| $32 \frac{1}{2}$ | $9^{\frac{1}{2}}$ | $26 \frac{1}{2}$ | Do. | Capt. G. Campbell. |
| $32 \frac{1}{2}$ | $9 \frac{3}{8}$ | $10 \frac{1}{8}$ | Thian Shan, Central Asia. | British Museum. |
| 307 | $8 \frac{1}{4}$ | $30 \frac{1}{2}$ | India ... | Hume Collection, British Museum. |
| $30 \frac{7}{8}$ | $7{ }^{5}$ | $13{ }^{\frac{5}{3}}$ | Siberia ... | British Museum. |
| $30 \frac{5}{8}$ | $9 \frac{3}{8}$ | $17 \frac{5}{8}$ | India | F. J. Jackson. |
| 29 | $8 \frac{7}{8}$ | (malformed) | Kashmir | Martyn Kennard. |
| $28 \frac{7}{8}$ | 97 | $14 \frac{7}{8}$ | India ... | F. J. Jackson. |
| $28 \frac{1}{2}$ | 81 | 10 | Siberia ... | British Musemm. |
| 25知 | $7 \frac{3}{8}$ | $15^{\frac{1}{2}}$ | India ... | Do. |
| $23 \frac{1}{4}$ | 81 | $10 \frac{1}{2}$ | Do. | Givynne Griffiths. |
| $18 \frac{3}{8}$ | 8 | 97 | Do. | Hume Collection, British Museum. |
| $12 \frac{1}{2}$ | 47 | $8 \frac{1}{2}$ | Do. ... | British Museum. |

## CAUCASIAN IBEX (Capra caucasica).

Habitat-Caucasus.

| Length. | Circumference. | Tip to Tip. | Habita |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $40 \frac{1}{8}$ | 1238 | $15 \frac{1}{4}$ | Caucasus | . | St. George Littledale. |
| 367 | 115 | $27 \frac{5}{8}$ | Do. | ... | Do. |
| $34 \frac{3}{4}$ | 115 | $22 \frac{7}{8}$ | Do. | ... | Do. 189 l . |
| $33^{\frac{1}{1}}$ | 105 | 263 | Do. | $\cdots$ | Do. Do. |
| 33 | $12 \frac{1}{4}$ | 223 | Do. | .. | Do. $\quad 1887$. |
| 327 | 11 | 267 | Do. | ... | Do. Do. |
| 317 | $10 \frac{5}{8}$ | 20 | Do. | .. | Do. Do. |
| $3^{1 \frac{1}{4}}$ | $1{ }^{\frac{1}{2}}$ | $21 \frac{1}{2}$ | Do. | ... | Do. Do. |
| $30 \frac{5}{8}$ | 113 | $16 \frac{3}{3}$ | Do. | . | Sir Edmund G. Loder, Bart. |
| $30 \frac{1}{4}$ | 113 | 205 $\frac{5}{8}$ | Do. | ... | St. George Littledale, $\mathbf{1 8 9 1 .}$ |
|  | 12 | $22 \frac{1}{8}$ | Do. | ... | Do. $\quad 1887$. |
| $29 \frac{1}{4}$ | $11 \frac{1}{8}$ | $20 \frac{1}{8}$ | Do. | $\ldots$ | Do. Do. |
| *223 ${ }^{\text {星 }}$ | 107 | $22 \frac{1}{4}$ | Do. | ... | Do. $\quad 1886$. |
| $19 \frac{7}{8}$ | $10 \frac{5}{8}$ | 16 ${ }^{\frac{1}{4}}$ | Do. | ... | P. A. Holt, British Museum. |
| 15 | $8{ }^{3}$ | 125 | Do. | ... | Do. |
| 9 | 4 ${ }_{\frac{1}{8}}$ | $4^{\frac{1}{4}}$ | Do. | $\cdots$ | British Muscum. |

* Cross between Capra caucasica and Capra pallasi.


## ALPINE IBEX (Capra ibex).

Habitat-Switzerland Alps, Savoy and the Tyrol.

| Length. | Circurn- <br> ference. | Tip to Tip. | Habitat. | Owner. |
| ---: | :---: | :---: | :---: | :---: |
| $3^{1 \frac{3}{2}}$ | $9 \frac{1}{8}$ | $18 \frac{3}{5}$ | The Alps, Savoy... | Sir Edmund G. Loder, Bart. |
| $26 \frac{3}{4}$ | $\delta \frac{3}{8}$ | $22 \frac{1}{8}$ | The Alps | $\ldots$ |
| $2 I^{\frac{1}{2}}$ | $\delta_{\frac{5}{8}}$ | $14 \frac{7}{8}$ | Dritish Museum. |  |

PYRENEAN IBEX (Capra pyrenaica).
Habitat-Pyrenees, High ranges of Central Spain, Andalusia and Portugal.

| Length. | Circumference | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 | 918 | 238 | Spain ... | ... | British Museum. |
| $*_{27}{ }^{3}$ | 9 | 25 | Do. | ... | Sir Edmund G. Loder, Bart. |
| $27 \frac{1}{2}$ | 103 | 19 ${ }^{\frac{1}{2}}$ | Pyrenees | ... | British Museum. |
| *25尔 | $8 \frac{1}{2}$ | 165 | Spain ... | ... | Hon. Walter Rothschild. |
| $24 \frac{1}{2}$ | 10 | 14 | Val d'Arras | ... | E. N. Buxton, 1885. |
| 243 | 91 | 187 | Do. | ... | Do. Do. |
| $*_{22}$ | $7{ }^{\frac{3}{4}}$ | 14 | Spain ... | ... | Pablo Larios. |
| *12 ${ }^{\frac{1}{2}}$ | $6 \frac{3}{8}$ | $18 \frac{1}{2}$ | Do. ... | ... | Do. |
| $\dagger{ }^{+1} 1$ | 7 | 6 | Do. ... | ... | Professor Owen, British Museum. |
| ¢ 9 9 ${ }^{\frac{1}{4}}$ | 53 | $7 \frac{5}{8}$ | Val d'Arras | ... | E. N. Buxton, 1883. |
| ¢ 9 \% ${ }^{\frac{1}{2}}$ | 53 | $6 \frac{1}{4}$ | Do. | ... | Do. Do. |

## ARABIAN IBEX (Capra sinaitica).

[Rev. H. B. Tristram on the Mammals of Palestine, P.Z.S., 1866, p. 85.]
The Syrian Ibex, or Bedeb of the Arabs. Only found in Palestine in the neighbourhood of the Dead Sea, especially about Engedi. Very abundant on the east side in the mountains of Moab, and still more so throughout the Sinaitic peninsula. It formerly extended to the Lebanon, where its teeth have been found in cave-breccia by ourselves and by M. Lartet. (See Bull, Sve. Geol. de France, 22, p. 543.) Quite as wild, nimble and wary as the Ibex of the Alps. It drops its kid in March or April, and has but one at a birth. Several young ones were brought to us and reared for some time by hand. The horns of the female are much smaller than those of the male. The flesh is excellent, far superior to that of the Gazelle. The horns are subquadrangular, sharply emarginated at the inner anterior angle, and with from twenty to twenty-four (in fully adult specimens) bold ridges on the front face only.

Habitat-Upper Egypt, Sinaitic Peninsula and Palestine.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $38 \frac{7}{8}$ | $7 \frac{1}{2}$ | $\mathbf{1 2 \frac { 1 } { 4 }}$ | Upper Egypt, Sinaitic <br> Peninsula \& Palestine. | Sir Edmund G. Loder, Bart. |

## WILD GOAT (Capra ægagrus).

## Habitat-South-Eastern Europe.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owne:- |
| :---: | :---: | :---: | :---: | :---: |
| 53 | ... | (owner's measurement) | Sumbak Hills, Sind. | Col. F. Marston. |
| 523 | $7 \frac{7}{8}$ | $8 \frac{3}{4}$ | ... ... ... | A. O. Hume, Private Collection. |
| 481 | 83 | $13{ }^{7}$ | Caucasus ... | British Museum. |
| $45^{\frac{1}{4}}$ | $9{ }^{\frac{1}{2}}$ | $14 \frac{3}{8}$ | South Asia Minor | Capt. Townley Parker. |
| 44 $\frac{1}{2}$ | 87 | 218 | Caucasus ... | British Museum. |
| $44^{\frac{1}{2}}$ | $8 \frac{5}{8}$ | II | 17 | Hume Collection, British Museum. |
| 431 ${ }^{\frac{1}{2}}$ | 81 $\frac{1}{8}$ | $22 \frac{3}{8}$ | $\cdots$... ${ }^{\text {... }}$ | J. Carr-Saunders. |
| 43部 | $8 \frac{3}{8}$ | $14{ }^{\frac{5}{8}}$ | ... ... ... | A. O. Hume, Private Collection. |
| 43 | 9 | $15 \frac{3}{\text { a }}$ | Taurus Moun- tains. | Sir Edinund G. Loder, Bart. |
| 41 $\frac{3}{8}$ | $8 \frac{1}{8}$ | $7 \frac{1}{8}$ | ... ... ... | Hume Collection, British Museum. |
| $40^{\frac{1}{8}}$ | $8 \frac{1}{2}$ | 77 | India ... ... | British Museum. |
| 397 | $9 \frac{5}{8}$ | $1{ }^{\frac{1}{4}}$ | Erzeroum ... | Do. |
| 397 | $7 \frac{7}{8}$ | 27 | $\cdots$... | A. O. Hume, Private Collection. |
| $38 \frac{1}{2}$ | $7 \frac{3}{4}$ | 19 | - | Iume Collection, British Museum. |
| $38 \frac{1}{4}$ | 77 | 10 | $\cdots$... $\quad .$. | Do. |
| 355 | $9^{\frac{1}{8}}$ | $13 \frac{3}{8}$ | Mount Ararat | British Museum. |
| $34^{\frac{1}{2}}$ | $9{ }^{\frac{1}{2}}$ | 18 | Beluchistan ... | Sir Victor Brooke's Collection. (Sho by Maj. Hogg). |
| $33 \frac{7}{8}$ | 67 | 145 | $\cdots \quad \cdots$ | Hume Collection, British Museum. |
| $33 \frac{3}{\frac{3}{4}}$ | $7{ }^{5}$ | $10 \frac{1}{2}$ | $\cdots$... | Do. |
| $33{ }^{5}$ | $9^{\frac{3}{4}}$ | $14{ }^{\frac{1}{2}}$ | $\cdots$ | British Museum. |
| 303 | $6 \frac{7}{3}$ | 14 | $\cdots$.... $\quad$. | Hume Collection, British Museum. |
| 295 | $9^{\frac{1}{1}}$ | 83 | Cilecian Taurus, Asia Minor. | C. G. Danford, British Museum. |
| 261 | $7 \frac{1}{2}$ | $12 \frac{1}{2}$ | Beluchistan ... | Sir Victor Brooke's Collection. (Shot by Maj. Hogg). |
| $25^{3}$ | $6 \frac{1}{2}$ | $9{ }^{3}$ | ... ... ... | Hume Collection, British Museum. |
| $25 \frac{5}{8}$ | $\cdots$ | 512 | Solomon Mins., $\Lambda$ sia Minor. | British Muscum. |
| $18 \frac{1}{2}$ | 73 | 9 | ... ... ... | E. N. Buxton. |
| 183 | $7 \frac{1}{8}$ | $9^{\frac{1}{2}}$ | ... $\quad .$. ... | Do. I890. |

WILD GOAT (Capra ægagrus)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 16 | $7 \frac{1}{2}$ | 7 | Persia ... | R. J. Kennedy. |
| 16 | 7 | 63 | Cilecian Taurus, Asia Minor. | C. G. Danford, British Museum. |
| 125 | $5 \frac{5}{8}$ | $7{ }^{\frac{1}{4}}$ | Europe ... | British Museum. |
| $11^{\frac{1}{8}}$ | $4 \frac{3}{8}$ | $3 \frac{5}{8}$ | Cilecian Taurus, Asia Minor. | C. G. Danford, British Museum. |
| ㅇ․ $10{ }_{8}^{7}$ | $4 \frac{3}{8}$ | $3{ }^{5}$ | Caucasus ... | Sir Victor Brooke's Collection. |
| $8 \frac{5}{8}$ | $4{ }^{\frac{5}{8}}$ | $4{ }^{\frac{3}{4}}$ | Mainun Dagh | E. N. Buxton, I 890. |
| $8 \frac{1}{8}$ | $3 \frac{5}{8}$ | $4{ }^{3}$ | Do. | Do. Do. |
| $7{ }^{\frac{7}{8}}$ | $3{ }^{\frac{5}{8}}$ | $3{ }^{\frac{7}{8}}$ | Do. | Do. Do. |

NORTH AFRICAN IBEX (Capra nubiana).

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 4618 | 8 | ... | North Africa | ... | British Museum. |
| $42 \frac{1}{4}$ | $9^{\frac{1}{4}}$ | $15^{\frac{1}{4}}$ | $\cdots$ | ... | Capt. Bartelot. |
| $41 \frac{3}{4}$ | $7 \frac{5}{8}$ | $17 \frac{5}{8}$ | North Africa | ... | Capt. W. H. Besant. |
| $35^{\frac{3}{4}}$ | 6 | $10 \frac{7}{8}$ | Do. | ... | British Museum. |
| 351 $\frac{1}{8}$ | $7 \frac{1}{8}$ | 12 | $\cdots \quad \cdots$ | ... | W. P. Gore Graham. |
| $33 \frac{1}{8}$ | 7 | 20 | $\cdots$ | $\cdots$ | Do. |
| $14 \frac{3}{8}$ | $6 \frac{1}{8}$ | $6 \frac{3}{4}$ | North Africa | ... | British Museum. |

## DOMESTIC GOAT (Capra hircus).

| Length. | Circum- | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 52즐 | $10 \frac{1}{2}$ | $40 \frac{5}{8}$ | Great Britain | ... | Sir Edmund G. Loder, Bart. |
| $26 \frac{1}{8}$ | $8_{8}^{3}$ | 7 | Asia Minor | $\ldots$ | C. G. Danford, British Museum. |
| 14 | $5^{\frac{1}{2}}$ | 8 | ... ... | ... | British Museum. |
| 아 10 | $3{ }^{\frac{7}{8}}$ | $4 \frac{5}{8}$ | Asia Minor | $\cdots$ | C. G. Danford, British Museum. |
| $7 \frac{7}{8}$ | 4 $\frac{5}{7}$ | $8 \frac{3}{3}$ | ... ... | ... | British Museum. |

## NILGHIRI IBEX or WILD GOAT（Capra hylocrius）．

Habitat－India，Nilghiri Hills．

| Length． | Circum－ ference． | Tip to Tip． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: |
| $16 \frac{3}{4}$ | 87 | 55 | India ．．． | A．O．Hume，Private Collection． |
| $16 \frac{1}{2}$ | ．．． | （owner＇s | Do．．．． | St．George Littledale． |
| $15^{\frac{1}{2}}$ | 85 | $\underbrace{6 \frac{7}{8}}_{7}$ | Do．．．．．．． | Sir Edmund G．Loder，Bart． |
| $15 \frac{3}{8}$ | $8{ }^{3}$ | $6 \frac{3}{1}$ | Do．．．．．．． | Martyn Kennard． |
| 153 | $8 \frac{1}{4}$ | 6 | Nilghiri Hills | St．George Littledale， 1875. |
| 151 | 8砍 | $4{ }^{\frac{3}{4}}$ | India．．．．．． | Martyn Kennard． |
| $15 \frac{1}{8}$ | $8{ }_{8}^{8}$ | $4{ }^{\frac{3}{8}}$ | Nilghiri Hills | St．George Littledale，187r． |
| $14^{\frac{1}{2}}$ | $8{ }^{3}$ | 61 | Do．．．． | British Museum． |
| $14 \frac{1}{2}$ | S ${ }_{6}$ | $5 \frac{1}{8}$ | India ．．． | Sir Victor Brooke＇s Collection． |
| 143 | 8 | 4乭 | Do．．．．．．． | T．W．H．Greenfield． |
| 1418 | 8要 | $5 \frac{1}{2}$ | Do．．．． | Sir Victor Brooke＇s Collection． |
| $14 \frac{1}{8}$ | $8 \frac{1}{2}$ | $6 \frac{1}{2}$ | Do．．．．．．． | Do． |
| 14 | 8咅 | $5^{\frac{1}{2}}$ | Nilghiri Hills | British Museum． |
| 14 | 8 | 51 ${ }^{\frac{1}{2}}$ | India ．．．．．． | Martyn Kennard． |
| $13{ }^{3}$ | 8 | $6 \frac{1}{8}$ | Do．．．．．．． | Do． |
| $13 \frac{5}{8}$ | 9 | 45 | Do．．．．．．． | Do． |
| $13 \frac{5}{8}$ | 85 | （one horn | Nilghiri Hills | St．George Littledale． |
| $13 \frac{1}{2}$ | $8 \frac{1}{2}$ | $5{ }^{3}$ | India ．．．．．． | Sir Victor Brooke＇s Collection． |
| $13 \frac{1}{2}$ | 8 | 51 | Do．．．．．．． | W．C．Oswell． |
| $13 \%$ | $8 \frac{1}{8}$ | 51 ${ }^{\frac{1}{8}}$ | Do．．．．．．． | A．O．Hume，Private Collection． |
| 13 | $9 \frac{1}{8}$ | $4 \frac{3}{1}$ | Do．．．．．．． | Sir Victor Brooke＇s Collection． |
| 13 | $8 \frac{1}{8}$ | $5 \frac{1}{1}$ | Do．．．． | T．W．II．Greenfield． |
| $12 \frac{3}{4}$ | $7{ }^{\frac{7}{8}}$ | $3{ }^{\frac{7}{8}}$ | Do．．．．．．． | Martyn Kemnard． |
| 123 | $7 \frac{5}{8}$ | $5 \frac{3}{5}$ | Do．．．．．．． | T．W．H．Greenfield． |

NILGHIRI IBEX or WILD GOAT (Capra hylocrius)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $12 \frac{1}{2}$ | 8 | $4 \frac{5}{8}$ | India ... ... | Hume Collection, British Museum. |
| $12 \frac{1}{2}$ | $7{ }^{3}$ | $4^{\frac{3}{4}}$ | Do. ... ... | Do. |
| $12 \frac{1}{4}$ | $7 \frac{3}{8}$ | $3{ }^{3}$ | Do. ... ... | Sir Robert Harvey, Bart. |
| 12 | $7 \frac{1}{2}$ | $4{ }^{3}$ | Do. ... ... | Hume Collection, British Museum. |
| $11{ }^{\frac{3}{4}}$ | $5{ }^{\frac{7}{8}}$ | $5{ }^{\frac{5}{8}}$ | Nilghiri Hills | British Museum. |
| 115 | $7{ }^{\frac{7}{8}}$ | $5{ }^{\frac{3}{4}}$ | India ... ... | Sir Victor Brooke's Collection. |
| 11 | $5{ }^{5}$ | $4 \frac{1}{8}$ | Do. ... ... | Hume Collection, British Museum. |
| $10 \frac{5}{8}$ | 6 | $3{ }^{7}$ | Do. ... | Sir Robert Harvey, Bart. |
| $10 \frac{1}{4}$ | $5{ }^{7}$ | $3^{\frac{1}{4}}$ | Do. ... ... | J. Carr-Saunders. |
| ¢ 10 | 5碚 | 4 | Nilghiri Hills | St. George Littledale, 1875. |
| 9 | $5{ }^{\frac{7}{8}}$ | $3^{\frac{1}{4}}$ | Do. | British Museum. |
| 85 | 5 | $3{ }^{\frac{5}{8}}$ | Do. | Hume Collection, British Museum. |



THAR (Capra jemlaica).
Weight about 200 lbs .
Habitat-Himalayas from Kashmir to Bhuton.


THAR (Capra jemlaica)-continued.

| Length. | Circumference. | Tip to Tip. |  | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $12 \frac{1}{8}$ | 9 | $6 \frac{1}{4}$ | $\ldots$ | $\ldots$ | ... | Gwynne Griffiths. |
| 12 | 81 | $5{ }^{7}$ | $\ldots$ | ... | ... | Sir Robert Harvey, Bart. |
| 117 | $88_{8}$ | $6 \frac{3}{8}$ | ... | $\ldots$ | $\ldots$ | Sir Victor Brooke's Collection. |
| 115 | $8 \frac{1}{4}$ | $7{ }^{\frac{1}{2}}$ | Nepal | ... | ... | H.H. the Mahrajah Duleep Singh, British Museum. |
| $1{ }^{1} \frac{1}{2}$ | ... | ... | $\ldots$ | $\ldots$ | ... | Capt. J. A. Orr-Ewing. |
| I $1 \frac{1}{8}$ | 85 | 53 | $\ldots$ | $\cdots$ | ... | Sir Robert Harvey, Bart. |
| ${ }_{11}$ | $8 \frac{1}{2}$ | $6 \frac{1}{8}$ | $\ldots$ | ... | $\ldots$ | H. F. Campbell. |
| $10 \frac{3}{4}$ | 9 | $7{ }^{\frac{1}{2}}$ | $\ldots$ | $\ldots$ | $\ldots$ | Major W. G. Forbes, |
| 10 | $8 \frac{1}{4}$ | 67 | $\ldots$ | ... | ... | J. Carr-Saunders. |
| $9{ }^{7}$ | $7 \frac{5}{8}$ | 51 ${ }^{\frac{1}{2}}$ | $\ldots$ | $\ldots$ | ... | British Museum. |
| 87 | 8 | $6 \frac{3}{8}$ | $\ldots$ | ... | ... | Sir Victor Brooke's Collection. |
| 8 |  |  |  |  | ... | B. H. Hodgson, P.Z.S., I834, p. 86. |

CAUCASIAN BURHEL (Capra pallasi, Capra cylindricornis). Habitat-Eastern Caucasus.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\stackrel{36}{\text { (about) }}$ | 15 | ... | ... | ... | Blyth, P.Z.S., 1840. |
| $34 \frac{1}{2}$ | $10 \frac{7}{8}$ | $13 \frac{1}{2}$ | ... ... | ... | Major Talbot. |
| $33 \frac{3}{8}$ | 12 | $19 \frac{3}{4}$ | Caucasus | ... | British Museum. |
| $28 \frac{1}{2}$ | 11 | $16 \frac{1}{2}$ | Do. | $\ldots$ | Sir Victor Brooke's Collection. |
| $26 \frac{1}{2}$ | $10 \frac{5}{8}$ | 18 | Do. | ... | Sir Edmund G. Loder, Bart. |
| 255 ${ }^{\frac{5}{8}}$ | $10 \frac{3}{8}$ | $15 \frac{7}{8}$ | Do. | ... | British Museum. |
| 201 $\frac{1}{2}$ | 10 | $11^{\frac{1}{2}}$ | Do. | $\cdots$ | H. R. H. Duc d'Orleans, |



IMARKHOR (Capra megaceros).
Habitat-India, Astor, Gilgit, and Scardo.

| Length. |  | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Round Curve. | Straight line. |  |  |  |  |
| $54^{\frac{1}{4}}$ | ... | $10 \frac{1}{2}$ | $26 \frac{1}{2}$ | India | A. O. Hume, Private Collection. |
| 54 | ... | $10 \frac{5}{8}$ | $33^{\frac{3}{4}}$ | Do. ... | Martyn Kennard. |
| $53^{\frac{1}{4}}$ | 423 | $1 \mathrm{I}_{1} \frac{1}{2}$ | $\begin{gathered} 52 \\ \text { (about) } \end{gathered}$ | Do. ... | Sir Victor Brooke's Collec. tion, 1875. |
| $53^{\frac{1}{2}}$ | ... | $\cdots$ | $37^{\frac{1}{2}}$ | Do. ... | Rowland Ward's Collection. |
| 53 | $24 \frac{1}{4}$ | $9{ }^{\frac{1}{4}}$ | $30 \frac{1}{4}$ | Do. ... | A. O. Hume, Private Collection. |
| $52 \frac{3}{4}$ | $39 \frac{3}{4}$ | $12 \frac{1}{8}$ | $33{ }^{\frac{3}{4}}$ | Do. ... | Martyn Kennard. |
| $51 \frac{3}{8}$ | $37 \frac{1}{8}$ | 10 | 33 | Do. ... | Sir Edmund G. Loder, Bart. |
| $51 \frac{1}{8}$ | ... | $11{ }^{\frac{3}{8}}$ | 493 | Do. ... | Martyn Kennard. |
| 51 | ... | 10 | 34 | Do. ... | Col. G. Jackson, 1864. |
| 50 | 38 | $1 \mathrm{I}^{\frac{3}{4}}$ | 36 | Do. ... | Sir Edmund G. Loder, Bart. |

MARKHOR (Capra megaceros)-continued.

| Length. |  | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Round Curve. | $\begin{aligned} & \text { Straight } \\ & \text { line. } \end{aligned}$ |  |  |  |  |
| 50 | ... | 115 | $35^{\frac{1}{4}}$ | India ... | Martyn Kennard. |
| 50 | ... | (owner's measurement) | ... | Do. ... | Capt. H. V. Olivier, R. E. |
| 481 | ... | $11{ }^{\frac{1}{2}}$ | 45 | Do. ... | Capt. M. Murphy. |
| $4^{8 \frac{1}{2}}$ | ... | $7{ }^{\frac{3}{4}}$ | (odd horn, | Do. ... | British Museum. |
| $48 \frac{1}{4}$ | ... | 117 | $29 \frac{3}{8}$ | Do. ... | A. O. Hume, Private Collec tion. |
| 475 | $37 \frac{5}{8}$ | $1{ }^{\frac{1}{4}}$ | 29 | Do. ... | Martyn Kennard. |
| $47 \frac{1}{2}$ | $36 \frac{3}{4}$ | $10 \frac{1}{2}$ | $22 \frac{3}{4}$ | Do. ... | Major Talbot. |
| 47 | 36 | 115 | 39 | Do. ... | Sir Victor Brooke's Collec tion, 1875. |
| $46 \frac{1}{2}$ | $\ldots$ | $1 \mathrm{I}_{2}$ | (odd horn, Astor race) | Astor Valley | British Museum. |
| $46 \frac{1}{4}$ | 32 ${ }^{\frac{1}{4}}$ | 12 | $44^{\frac{3}{4}}$ | India ... | A. O. Hume, Private Collec tion. |
| 46 | ... | $10^{\frac{1}{2}}$ | ... | Do. ... | Manners Smith. |
| 44 | 337 | $10 \frac{1}{2}$ | 31 | Do. ... | J. Carr-Saunders. |
| 44 | ... | ... | 35 | Do. | Lloyd Anstruther. |
| 44 | ... | $10 \frac{1}{4}$ | 311 | Do. | Martyn Kennard. |
| $43{ }^{\frac{7}{8}}$ | ... | $11 \frac{1}{8}$ | 3278 | Do. ... | Do. |
| $43{ }^{\frac{3}{4}}$ | ... | 10 ${ }^{\frac{1}{2}}$ | 327 | Do. ... | Hon, Charles Ellis. |
| $43 \frac{1}{2}$ | ... | $1{ }^{1} \frac{1}{2}$ | 32 | Do. | Martyn Kennard. |
| $43^{\frac{1}{8}}$ | ... | $1{ }^{1} \frac{1}{8}$ | $30 \frac{1}{8}$ | Do. ... | Do. |
| 43 | ... | 12 | 33 | Kashmir | Rowland Ward's Collection. |
| 43 | ... | 10 ${ }^{\frac{1}{2}}$ | 36 | India | C. Spedding. |
| 43 | ... | ... | 29 | Do. ... | Lloyd Anstruther. |
| $42 \frac{3}{\frac{3}{4}}$ | ... | 12 | $32 \frac{1}{2}$ | Do. | Sir Robert Harvey, Bart. |
| $42^{\frac{1}{2}}$ | $32 \frac{1}{2}$ | $11 \frac{1}{4}$ | 325 | Do. | Hon. Walter Rothschild. |
| $4^{\frac{1}{2}}$ | ... | 11 | 35 | Do. | Martyn Kennard. |
| $42^{\frac{3}{8}}$ | ... | 103 | 327 | Do. | Sir Edmund G. Loder, Bart. |
| $4{ }^{\frac{1}{4}}$ | ... | го | 307 | Do. | St, George Littledale. |

MARKHOR (Capra megaceros)-continued.

| Length. |  | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Round Curve. | Straight line. |  |  |  |  |
| 41 | ... | $12{ }^{\frac{2}{4}}$ | 423 | River Indus, Kashmir. | Capt. M. Murphy, British Museum. |
| 41 | ... | 10 | $27 \frac{3}{8}$ | Pir Pingal, Kashmirgoooft | R. Lydekker, British Museum. |
| 403 | $\ldots$ | $12 \frac{3}{8}$ | $27 \frac{1}{2}$ | India ... | Sir Edmund G. Loder, Bart. |
| $40 \frac{1}{8}$ | $\cdots$ | $11 \frac{3}{8}$ | $26 \frac{3}{4}$ | Do. ... | Martyn Kennard. |
| $40 \frac{1}{8}$ | ... | $10 \frac{3}{8}$ | $30 \frac{1}{2}$ | Do. ... | Sir Edmund G. Loder, Bart. |
| $39^{\frac{3}{4}}$ | ... | 115 | $19^{\frac{3}{4}}$ | Do. ... | H. C. V. Hunter. |
| 393 ${ }^{\frac{3}{8}}$ | ... | $10 \frac{1}{4}$ | $24^{\frac{1}{4}}$ | Afghanistan | Col. Grant, British Museum. |
| $39^{\frac{1}{4}}$ | ... | 9 ${ }^{\frac{1}{2}}$ | $21 \frac{3}{4}$ | India ... | British Museum. |
| 39 | ... | 11 | $31 \frac{1}{2}$ | Do. | Martyn Kennard. |
| 39 | $\cdots$ | $10 \frac{7}{8}$ | $30 \frac{1}{2}$ | Do. ... | Hon. Charles Ellis. |
| $3^{8 \frac{1}{4}}$ | ... | $10 \frac{1}{4}$ | (one horn broken off) | Do. | Martyn Kennard. |
| $37 \frac{1}{2}$ | $\ldots$ | $10 \frac{3}{8}$ | $25 \frac{1}{8}$ | Kashmir ... | Lieut. Abbott, British Museum. |
| 37 | ... | 12 | 183 | India | H. C. V. Hunter. |
| 35 ${ }^{\text {3 }}$ | 28 | $10 \frac{1}{4}$ | $27 \frac{7}{8}$ | Do. | J. Carr-Saunders. |
| 35 ${ }^{\frac{3}{8}}$ | (Suleiman race) | 97 | 203 | Paghura ... | Lieut. Abbott, British Museum. |
| $35^{\frac{1}{4}}$ | ... | 107 | 25 | India | Sir Robert Harvey, Bart. |
| 301 | $\cdots$ | $8 \frac{1}{4}$ | $13 \frac{3}{4}$ | Peshawar, North India. | Lieut. Abbott, British Museum. |
| $21 \frac{1}{2}$ | -. | $8 \frac{1}{2}$ | 215 | Kashmir ... | R. Lydekker, British Museum. |
| 우 161 | $13 \frac{3}{8}$ | 53 | 13 | India ... | Martyn Kennard. |



## TRANS-INDUS MARKHOR (Capra falconeri).

Habitat-India, Pir Pinjal Range, Afghanistan, Suleiman Range.

| Length. |  | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Straight line. | Round curve. |  |  |  |  |
| $38 \frac{1}{2}$ | ... | $10 \frac{1}{2}$ | $23 \frac{7}{8}$ | India ... | H. R.H. Duke of Edinburgh. |
| 33 | 47\% | $9^{\frac{1}{4}}$ | $19 \frac{3}{4}$ | Afghanistan | Sir Edmund G. Loder, Bart. |
| $32 \frac{1}{4}$ | ... | $9{ }^{\frac{3}{4}}$ | 28 | India ... | A. O. Hume, Private Collection. |
| $30 \frac{3}{4}$ | $45^{\frac{1}{4}}$ | $8 \frac{3}{4}$ | $21 \frac{1}{2}$ | Do. ... | Sir Victor Brooke's Collection, 1875. |
| 2718 | 39 | 83 | 21 | Do. | Sir Edmund G. Loder, Bart. |
| 27 | ... | 10 | 223 | Do. .. | A. O. Hume, Private Collection. |
| 251 | ... | (one horn malformed) | $\cdots$ | Do. .. | ```G. Landseer, "The Field," 1873.``` |
| 25\% | ... | $8 \frac{3}{8}$ | $21 \frac{1}{2}$ | ... ... | A. O. Hume, Private Collec. tion. |
| 24 | ... | (owner's measurement) | $\cdots$ | Sheikh Boodeen. | Capt. A. A. Kinloch. |
| 22 $\frac{1}{2}$ | .. | $10 \frac{1}{4}$ | $15 \frac{3}{4}$ | India ... | J. E. Penton. |



## MARCO POLO'S SHEEP (Ovis poli).

[Sir Victor Brooke, Bart., and Mr. Basil Brooke, P.Z.S. 1875, p. 514.]
The horns are very large, pressed in from the sides, the edges, with the exception of the fronto-nuchal edge, being rounded. The orbital surface is pressed in, and commences to get narrower only during the last third of its length. The horn is more than four times the length of the skull. The basal and terminal axes of the horns are not parallel, the latter being directed more horizontally. All round the neck there is a pure white mane, and there is a dark line along the spiral column from the shoulders to the loins. The light greyish brown of the sides shades off into white towards the belly. A pure white anal disk surrounds the tail; above this disk is bordered by a rather dark line, but below it extends largely over the hinder parts of the thighs, shading gradually into the brown colour of the legs. I did not discover any soft short hair under the long winter hair during the month of October.

Height, 46 inches ; length of horns, 57 inches.
Habitat-Central Asia, the Pamir, and Thian Shan of Turkestan.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 75 | 16 | $54 \frac{1}{2}$ | ... - | ... | H.E. Gen. Sir Fredk. Roberts, <br> "The Asian," Nov, 13th, ISgI. |
| 73 | 15 | 48 (owner's | Little Pamir | ... | Col. Tanner, I88ı. |
| 681 | 15 | 1.35 ${ }^{\frac{3}{ \pm}}$ | ... ... | ... | Lewis Flower. |
| 68 | 17 | 43 | ... $\quad$. | ... | Col. R. Pole Carew. |

MMARCO POLO＇S SHEEP（Ovis poli）－continucd．

| Length． | Circum－ ference． | Tip to Tip． | Habitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 68 | 16 | 52 | $\cdots$ | $\cdots$ | Indian Museum，＂The Asian，＂ Nov．13th， 1801. |
| 67 | 16⿺𠃊⿳亠丷厂彡 | 42 | $\cdots$ ．．． | $\ldots$ | Col．R．Pole Carew． |
| $66 \frac{7}{8}$ | $15 \frac{5}{8}$ | 46 | $\cdots \quad$ ．．． | ．．． | Sir Edmund G．Loder，Bart． |
| $66 \frac{7}{8}$ | $13 \frac{7}{8}$ | ．．． | $\cdots$ | $\ldots$ | A．O．Hume，Private Collection． |
| 66 | $15^{\frac{1}{4}}$ | 44 | $\cdots \quad \cdots$ | $\cdots$ | Hume Collection，British Museum． |
| $65 \frac{7}{8}$ | 16 | 48 | ．．．$\quad$. | ．．． | Do． |
| 651 | 16 | 53 | Great Pamir $(16,000 \mathrm{ft} .)$ |  | Col．T．E．Gordon，British Museum． |
| $65 \frac{3}{8}$ | $16 \frac{1}{4}$ | ．．． | $\cdots$ | － | A．O．Hume，Private Collection． |
| 65 | $16 \frac{1}{2}$ | $49 \frac{1}{2}$ | $\cdots$ ．．．$\quad$. | $\ldots$ | Capt．Blane． |
| 65 | （owner＇s measurement） | ．．． | $\cdots$ ．．． | $\ldots$ | St．George Littledale．（Presented to the Empress of Russia．） |
| 65 | （ | ．．． | ．．．．．． | $\cdots$ | Rowland Ward＇s Collection． |
| $64 \frac{7}{8}$ | $15 \frac{5}{8}$ | 46 | Great Pamir | ．．． | Hume Collection，British Museum． |
| $64^{\frac{1}{4}}$ | $16 \frac{1}{2}$ | 41 | $\cdots$ ．．． | $\cdots$ | W．Lawrence． |
| $64^{\frac{1}{4}}$ | $15 \frac{1}{4}$ | 39 | $\cdots$ ．．． | － | H．C．V．Hunter． |
| $63 \frac{5}{8}$ | $16 \frac{1}{8}$ | $42 \frac{1}{2}$ | $\ldots$ | ．． | Hon．Walter Rothschild． |
| $63 \frac{1}{2}$ | $15{ }^{7}$ | ．．． | $\cdots$ | $\cdots$ | A．O．Hume，Private Collection． |
| $62 \frac{1}{2}$ | $16 \frac{1}{4}$ | ．．． | ．．．．．． | ．．． | H．C．V．Hunter． |
| 62 $\frac{1}{2}$ | $15^{\frac{1}{4}}$ | 41 | Great Pamir | － | Hume Collection，British Museum． |
| 62 | $15^{\frac{1}{4}}$ | 40 | $\cdots \quad$ ．．． | $\cdots$ | Hon．Charles Ellis． |
| 61 $\frac{3}{8}$ | $15 \frac{7}{8}$ | $41 \frac{3}{8}$ | $\cdots$ | ．． | Do． |
| $61 \frac{1}{8}$ | $15^{\frac{1}{2}}$ | $47 \frac{1}{8}$ | $\cdots$ | ．．． | Do． |
| $61 \frac{1}{8}$ | $15 \frac{3}{8}$ | 46 | $\cdots$ | $\cdots$ | Do． |
| $60 \frac{3}{4}$ | $15 \frac{3}{4}$ | $46 \frac{7}{8}$ | Pamir ．．． | ．．． | St．George Littledale． |
| $60 \frac{1}{4}$ | $14^{\frac{1}{2}}$ | 505 | $\cdots$ ．．． | ．．． | Hon．Charles Ellis． |
| 597 | 16 | 43 | Great Pamir | ．．． | Hume Collection，British Museum， |
| 5912 | $17 \frac{3}{8}$ | $45^{\frac{3}{8}}$ | $\cdots$ | $\cdots$ | Hon．Charles Ellis． |
| 59 | 16 | ．．． | ．．． | ．．． | A．O．Hume，Private Collection． |

IMARCO POLO＇S SHEEP（Ovis poli）－continucd．

| Length． | Circum－ ference． | Tip to Tip． | Habitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 59 | $15 \frac{3}{\text { a }}$ | 41 | ．．．．．． | ．．． | Martyn Kennard． |
| 58 | 15 | 52 | Great Pamir | ．．． | Hume Collection，British Museum． |
| 585 | $14 \frac{1}{2}$ | $39 \frac{5}{8}$ | Do． | ．．． | Do． |
| 583 | $15^{\frac{1}{ \pm}}$ | 51 | ．．．．．． | ．．． | Hon．Charles Ellis． |
| $58 \frac{1}{4}$ | $15^{\frac{1}{4}}$ | $46 \frac{3}{\text { 崖 }}$ | ．．．．．． | ．．． | Do． |
| $57 \frac{3}{4}$ | 15 | $45 \frac{3}{\text { 星 }}$ | $\cdots$ | ．．． | Maj．－Gen．Arthur Ellis，C．S．I． |
| $57 \frac{3}{}$ | $14 \frac{3}{1}$ | 50 | ．．．．．． | ．．． | Reginald Beech． |
| $57 \frac{1}{2}$ | $16 \frac{1}{8}$ | $43^{\frac{1}{4}}$ | ．．．．．． | ．．． | W．Lawrence． |
| $57 \frac{1}{2}$ | $14{ }^{3}$ | 48 | ．．．．．． | ．．． | Reginald Beech． |
| 578 | $15 \frac{5}{8}$ | $43{ }^{\frac{3}{1}}$ | ．．．．．． | ．．． | Hon．Charles Ellis． |
| 567 | 16 | 427 | ．．．．．． | ．．． | Do． |
| 567 | $15^{\frac{1}{8}}$ | $35^{\frac{1}{2}}$ | Pamir | ．．． | St．George Littledale． |
| 56 | $14^{\frac{1}{4}}$ | 45 | ．．．．．． | ．．． | Blyth，P．Z．S．1840，p． 63. |
| 56 | ．．． | ．．． | ．．．．．． | ．．． | C．Hunter． |
| $55^{\frac{3}{*}}$ | $15 \frac{3}{\text { a }}$ | 43 | ．．．．．． | ．．． | J．Carr－Saunders． |
| $55{ }^{\frac{1}{8}}$ | $14^{\frac{1}{4}}$ | 43 ？ | ．．．．．． | ．．． | British Museum． |
| 55 | 16 | 44 | ．．．．．． | ．．． | H．R．H．Duc d＇Orleans． |
| $54{ }^{7}$ | $16 \frac{3}{8}$ | 42 F | Pamir | ．．． | St．Gearge Littledale． |
| $54{ }^{\frac{7}{8}}$ | $15 \frac{3}{8}$ | 465 | Do．．．． | ．．． | Do． |
| $54 \frac{7}{8}$ | ${ }^{1} 5^{\frac{1}{4}}$ | $48 \frac{3}{8}$ | Do．．．． | ．．． | Sir Victor Brooke＇s Collection． |
| $54{ }^{\frac{3}{1}}$ | 167 | 381 | ．．．．．． | ．．． | Hon．Charles Ellis． |
| $54{ }^{\frac{1}{2}}$ | $14 \frac{3}{\text { 星 }}$ | $40 \frac{1}{2}$ | Pamir | ．．． | St．George Littledale． |
| $54 \frac{1}{8}$ | $14^{\frac{1}{2}}$ | 41 | Do．．．． | ．．． | Do． 1886. |
| $53{ }^{\frac{7}{8}}$ | $15 \frac{5}{8}$ | $43{ }^{\frac{3}{1}}$ | Lake Karakol | ．．． | Do． |
| $53 \frac{1}{2}$ | $14{ }^{\frac{1}{2}}$ | 407 | ．．．．．． | ．．． | Reginald Beech． |
| $52 \frac{3}{4}$ | $15 \frac{5}{8}$ | $48^{\frac{1}{4}}$ | Alichur ．．． | ．．． | St．George Littledale． |
| $52 \frac{1}{2}$ | $15 \frac{5}{8}$ | $45^{\frac{1}{2}}$ | ．．．．．． | ．．． | Reginald Beech． |

IMARCO POLO'S SHEEP (Ovis poli)-continucd.

| Length. | Circumference | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $52 \frac{1}{8}$ | 15 | 41 | ... ... ... | Reginald Beech. |
| $50^{\frac{1}{2}}$ | $13{ }^{\frac{7}{8}}$ | $40 \frac{3}{8}$ | Pamir ... | St. George Littledale. |
| $50 \frac{1}{2}$ | 15 | $42 \frac{3}{4}$ | Alai Plateau, Pamir | Do. British Museum. |
| 493 | $15^{\frac{1}{4}}$ | $39^{\frac{1}{2}}$ | Pamir ... | Do. |
| $49^{\frac{1}{4}}$ | $15 \frac{3}{1}$ | $34 \frac{3}{4}$ | ... ... ... | Reginald Beech. |
| 49 | $15 \frac{3}{\text { 年 }}$ | $38 \frac{1}{2}$ | ... ... ... | Do. |
| 48 | $15 \frac{5}{8}$ | 423 | Pamir ... ... | St. George Littledale. |
| 48 | $13 \frac{5}{8}$ | 43 | Alai Plateau, Pamir | Do. British Museum. |
| 467 | 151 | 27 | Saiar Mountains, Altai. | Do. Do. |
| 46 | 15 | 43 | ... ... ... | P. L. Sclater, P. Z. S. 1860, p. 433. |
| $45^{\frac{7}{8}}$ | $13{ }^{\frac{7}{8}}$ | $\begin{gathered} 39 \frac{1}{2} \\ \text { (about) } \end{gathered}$ | $\cdots$.... ... | A. O. Hume, Private Collection. |
| $43^{\frac{1}{4}}$ | $14{ }^{\frac{3}{3}}$ | $3{ }^{\frac{1}{4}}$ | Pamir ... | St. George Littledale. |
| 43 | 15 | $\begin{gathered} 37 \\ \text { (about) } \end{gathered}$ | Do. ... | Do. |
| 42 | 14 | $39^{\frac{1}{4}}$ | Do. ... | Do. |
| $41^{\frac{1}{4}}$ | $14^{\frac{1}{2}}$ | 29 | Siberia ... | British Museum. |
| $40 \frac{1}{2}$ | $13^{\frac{1}{4}}$ | $44^{\frac{1}{2}}$ | Alai Plateau, Pamir | St. George Littledale, British Museum. |
| 388 | $14^{\frac{3}{3}}$ | ... | Pamir ... .. | Do. |
| 36 | $12 \frac{1}{4}$ | ... | Do. ... | Do. |
| $33{ }^{\frac{3}{8}}$ | 14 | 28 | Saiar Mountains, Altai. | Do. Brilish Museum. |
| $15{ }^{\frac{3}{\text { a }}}$ | $6 \frac{3}{8}$ | $15 \frac{5}{8}$ | Alai Plateau, Pamir | Do. Do. |
| $11 \frac{1}{2}$ | $5 \frac{1}{\frac{1}{4}}$ | $15 \%$ | Saiar Mountains, Altai. | Do. Do. |

## WILD SHEEP OF THIAN SHAN (Ovis karelini).

[Sir Victor Brooke, Bart., and Mr. B. Brooke, P.Z.S. 1875, p. 512.]

The horns are moderately thick, with rather rounded edges; frontal surface very prominent; orbital surface rather flat, narrowing only in the last third of its length. The horns are three times as long as the skull. The basal and terminal axes of the horn rise parallel with each other; the median axis is parallel with the axis of the skull. The neck is covered by a white mane, shaded with greyish brown. The light brown of the back and sides is separated from the yellowish white of the belly by a wide dark line. The light brown of the upper parts gets gradually lighter towards the tail, where it becomes greyish white, but does not form a sharply marked anal disk. On the back there is a sharply marked dark line running from the shoulders to the loins. I did not find any soft hair under the long winter hair in October.

Height at the shoulder, 3 ft .6 in . ; length of the horns, from $44 \mathrm{in}$. to 45 in.

Range.-Ovis karelini inhabits all the Semiretchinsk Altai, and also the Sapliskey Altai, but is not so common there as in the mountains between Tamgali (?) and Kaskelen ; but it is partly driven from this latter locality by the Cossack sportsmen, and has gone to a higher elevation, namely the Kebin Steppe, above the range of trees. East of Tamgali (?) (Turgeli) (?), on the bare mountains and plains near the rivers Chilik and Kelen, Ovis karelini is very abundant, but not on the mountains covered with trees; it extends from this locality as far as Santash. Further it inhabits all the neighbourhood of Issik Kul; is rather rare on the northern parts of the Thian Shan, which are thickly wooded. I also met with numerous flocks in the steppes of the Narin, where they find abundance of food and shelter at an elevation of about 12,000 or 13,000 feet above the level of the sea.

This species is also met with on the mountains separating the Narin from its tributary the Atpash，as far as the plains between the rivers Kurtka and Chatir Kul ；but from the eastern sources of the Atpash as far as the Chatir Kul it is found only in company with Ovis polii．

| Length． | Circum－ ference． | Tip to Tip． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: |
| $54 \frac{1}{4}$ | $16 \frac{1}{8}$ | $34 \frac{3}{4}$ | West Chinese Mon－ golia． | St．George Littledale． |
| $49^{\frac{1}{4}}$ | $14 \frac{1}{2}$ | $34 \frac{5}{8}$ | Do． | Do． |
| 49 | $15 \frac{3}{5}$ | $31 \frac{1}{2}$ | Do． | Do．$\quad 1889$. |
| $48 \frac{1}{4}$ | $13^{\frac{1}{4}}$ | $33 \frac{3}{4}$ | Thian Shan | Yarkund Mission，British Museum． |
| 46⿺𠃊⿳亠丷厂彡 | $15 \frac{3}{8}$ | $29 \frac{1}{2}$ | Do．．．． | Do． |
| 42 | $14^{\frac{1}{1}}$ | 34 | Do．．．． | Do． |
| 415 $\frac{5}{8}$ | $13 \frac{7}{8}$ | 19 | West Chinese Mon－ golia． | St．George Littledale． |
| $27 \frac{1}{8}$ | ．．． | $21 \frac{1}{2}$ | Thian Shan ．．． | Yarkund Mission，British Museum． |
| $23 \frac{3}{8}$ | $10 \frac{1}{2}$ | 24 | Do．．．． | Sir Victor Brooke＇s Collection． |
| 163 | ．．． | 18 | Do．．．． | Yarkund Mission，Biitish Museum． |



## OVIS AMMMON.

Habitat-Northern Asia.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 47爯 | 19 | $31 \frac{1}{4}$ | Siberia | $\ldots$ | British Museum. |
| 461 | $19 \frac{3}{4}$ | $20$ | $\cdots$... | $\cdots$ | A. O. Hume, Private Collection. |
| 45 ${ }^{\frac{1}{2}}$ | $16 \frac{1}{4}$ | 17 | India . | $\ldots$ | II. R.H. Duke of Teck. |
| 432 | $16 \frac{5}{8}$ | (loose horns) | $\cdots$ | ... | H. C. V. Hunter. |
| 42 ${ }^{\frac{1}{2}}$ | $16 \frac{1}{2}$ | $\begin{gathered} 19 \\ \text { (aivout) } \end{gathered}$ | $\cdots$ | ... | A. O. Hume, Private Collection. |
| $42 \frac{1}{2}$ | 16 | 18 | $\ldots$ | ... | Iume Collection, Brilish Museum. |
| 4212 | 16 | IS | $\cdots$ | ... | Rowland Ward's Collection. |
| $42 \frac{1}{2}$ (?) | $15^{\frac{1}{4}}$ | ... | $\cdots$ | ... | J. Carr-Saunders. |
| $42 \frac{3}{8}$ | $16 \frac{1}{4}$ | 20 | $\cdots$... | ... | H.R.H. Duke of Edinlurgls. |
| $42 \frac{1}{8}$ | 169 | $14^{\frac{1}{4}}$ | $\cdots$ | ... | Hume Collection, British Museun. |
| 42 $\frac{1}{8}$ | $16 \frac{1}{2}$ | $\begin{gathered} \text { IS } \\ \text { (about) } \end{gathered}$ | $\cdots$ | $\cdots$ | A. O. Hume, Private Collection. |
| 42 | $16 \frac{3}{4}$ | $17^{\frac{1}{4}}$ | $\cdots$.... | - | Hume Collection, British Muscuz. |
| 417 | 16 | $\cdots$ | $\cdots \quad$... | -. | Hon. Walter Rothschild. |
| $41 \frac{1}{4}$ | $17 \frac{1}{2}$ | $\begin{gathered} 16 \\ \text { (about) } \end{gathered}$ | $\cdots$ | ... | A. O. Hume, Private Collection. |
| $40 \frac{1}{2}$ (?) | $14 \frac{1}{}{ }^{\frac{1}{2}}$ | $26 \frac{1}{4}$ | $\cdots$ | $\cdots$ | St. George Litledale, British Museum. |
| $40 \frac{3}{8}$ | 17 兵 | $20 \frac{3}{8}$ | $\cdots$... | $\cdots$ | Hon. Charles Ellis. |
| $40 \frac{1}{4}$ | $17^{\frac{1}{4}}$ | 20 | $\cdots \quad$... | $\ldots$ | Itume Collection, British Muscum. |
| 40 | $16 \frac{3}{4}$ | $19^{\frac{1}{2}}$ | ... | ... | Do. |

OVIS AIMMON-continued.

| Length. | Circum ference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 40 | 16 | $18 \frac{1}{12}$ | ... | ... | Hume Collection, British Museum. |
| $39^{\frac{1}{2}}$ | $16 \frac{1}{2}$ | $18 \frac{1}{2}$ | ... ... | ... | Sir Victor Brooke's Collection. |
| $39 \frac{1}{4}$ | 17 | 14 䍃 | ... ... | ... | Hon. Charles Ellis. |
| 39 | 17 | 19 | ... ... | ... | Sir Robert Harvey, Bart. |
| $38{ }^{\frac{7}{8}}$ | $14 \frac{7}{8}$ | (one horn | Altai | ... | Sir Victor Brooke's Collection, 187 I . |
| $38^{\frac{3}{4}}$ | 16 | 20 | ... ... | ... | Maj-Gen. Arthur Ellis, C.S.I. |
| $38 \frac{1}{2}$ | 16 | (owner's measurement) | $\cdots$ | ... | Capt. A. A. Kinloch. |
| $38 \frac{1}{1}$ | $17 \frac{1}{8}$ | ${ }^{18 \frac{1}{4}}$ | Himalayas | ... | Col. Congreve, British Museum. |
| 38 | 18 | $19 \frac{1}{\frac{1}{4}}$ | ... ... | ... | Hon. Charles Ellis. |
| 38 | $17 \frac{1}{2}$ | $19 \frac{1}{3}$ | ... ... | ... | H. C. V. Hunter. |
| 38 | 16 | $23 \frac{1}{2}$ | $\cdots$ | ... | East India Company, British Mu- seum. |
| $37 \frac{3}{4}$ | $16 \frac{1}{2}$ | ... | ... ... | ... | Sir Robert Harvey, Bart. |
| $37 \frac{1}{\frac{1}{2}}$ | $18 \frac{1}{4}$ | $16 \frac{1}{2}$ | ... ... | ... | G. McMicking. |
| $37 \frac{1}{2}$ | $16 \frac{1}{\frac{1}{4}}$ | 17 | ... ... | ... | Capt. M. Murphy. |
| 367 | $16 \frac{1}{4}$ | 163 | ... ... | $\ldots$ | Sir Edmund G. Loder, Bart. |
| $36 \frac{1}{2}$ | $15^{\frac{1}{2}}$ | $19 \frac{1}{2}$ | Ladak ... | ... | Col. Congreve, British Museum. |
| 36 | $16 \frac{3}{1}$ | ... | ... ... | ... | H. C. V. Hunter. |
| 36 | $15^{\frac{3}{4}}$ | 20 | ... ... | ... | G. McMicking. |
| 36 | $15 \frac{1}{2}$ | 20 | ... ... | $\cdots$ | Capt. G. Campbell. |
| $35 \frac{1}{2}$ | $16 \frac{3}{4}$ | 15 | ... ... | ... | II. C. V. Hunter. |
| $35 \frac{1}{4}$ | $17 \frac{3}{4}$ | $21 \frac{1}{7}$ | Ladak ... | ... | British Museum. |
| $34 \frac{3}{4}$ | $15 \frac{1}{2}$ | $20 \frac{1}{2}$ | ... ... | ... | H. C. V. Hunter. |
| $33 \frac{1}{2}$ | $15 \frac{7}{8}$ | ... | ... ... | ... | Do. |
| 33 | 16 | $17 \frac{1}{8}$ | ... ... | ... | Reginald Beech. |
| $20 \frac{1}{4}$ | 73 ${ }^{\frac{3}{8}}$ | 17 | Siberia | ... | British Museum. |
| 아 18 | 7 | $19 \frac{3}{4}$ | Nepal ... | ... | B. H. Hodgson, British Museum. |
| 아 $12 \frac{1}{2}$ | 5 | 15溇 | ... | ... | Sir Victor Brooke's Collection. |

## OVIS HODGSONI.

[Sir Victor Brooke, Bart., and Mr. B. Brooke, P.Z.S. 1875, p. 520].
Adult male, winter, Colebrooke collection. Obtained within 30 miles of Leh in the winter of 1873.

Hair of body about 2 inches in length, coarse and close-set; on the sides and lower surface of the neck the hair is lengthened into a long rich ruff-like mane of a snow-white colour. Along the median line of the upper neck there is a narrow band of rather shorter hair, which, however, is about twice as long as that on the body, and, being continued as far back as the withers, forms a short dorsal mane; general colour of the body dark brown, mixed with grey; anterior parts of the face, belly, limbs below the carpi and tarsi internally, and a small anal disk surrounding the tail and rump, dirty white ; cheeks and forearms darker than the rest of the body; ears and tail short, the latter with a narrow dark line along its upper surface; horns massive and rather short, their terminal curve being but slightly developed.
${ }^{-}$Female, much paler than the male, with little or no mane. No distinct anal disk.

Range.-Little Thibet (Kinloch, \&c.); Cachar region, Nepaul (Hodgson).

Habitat-Nepal.

| Length. | Circum- <br> ference. | Tip to T!p. | Habitat. | Owner. |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $44 \frac{5}{8}$ | $17 \frac{1}{2}$ | $22 \frac{1}{2}$ | Nepal | $\ldots$ | $\ldots$ | B. H. Hodgson, British Museum. |
| $41 \frac{1}{8}$ | $16 \frac{3}{4}$ | 19 | Ladak | $\ldots$ | $\ldots$ | Sir Victor Brooke's Collection. |
| $38 \frac{3}{8}$ | 15 | 18 | Do. | $\ldots$ | $\ldots$ |  |
| $35 \frac{3}{4}$ | $16 \frac{1}{2}$ | $15 \frac{1}{2}$ | Do. | $\ldots$ | $\ldots$ | R. Lydekker, British Museum. |
| $\$ 14 \frac{1}{2}$ | $7 \frac{1}{2}$ | $17 \frac{1}{2}$ | Do. | $\ldots$ | $\ldots$ | Sir Victor Brooke's Collection. |

## OVIS BROOKEI.

[Sir Victor Brooke, Bart., and Mr. B. Brooke, P.Z.S. 1875, p. 521 ].
This species is based upon a skull and horns in our ovzn collection. The locality from which the specimen was obtained in not so certain as could be desired, but we have strong reasons for believing that the animal was shot in the vicinity of Leh, in Ladak. In its much smaller size it differs from Ovis hodgsoni, and in its deeply sulcated horns, the angles of which are very much rounded and the terminal curve but slightly developed, it differs as decidedly from Ovis karelini. It is not improbable that the species will be found to inhabit the Kuenluen Mountains.

Habitat-Ladak.
Dimensions of the specimen :

| Length of skull, measured from highest point between |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| the horn $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | II |
| Smallest breadth between orbits | $\ldots$ | $\ldots$ | $\ldots$ | $4^{\frac{5}{8}}$ |  |  |
| Length of horns, round the curve | $\ldots$ | $\ldots$ | $\ldots$ | $33^{\frac{1}{2}}$ |  |  |
| Circumference of horns $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | I $3 \frac{3}{8}$ |  |


| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $33^{\frac{1}{2}}$ | $13^{\frac{1}{2}}$ | I $8 \frac{1}{2}$ | Ladak $\ldots$ | $\ldots$ | Sirner. |

OVIS BLANFORDI.


## BIGHORN SHEEP (Ovis canadensis).

Habitat-North America.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 41 | $17 \frac{1}{1}$ | 26 | $\cdots$ | Blyth, P.Z.S. 1840 , p. 64. |
| ... | $17 \frac{1}{1}$ | (owner's measurement) | $\cdots$ | T. W. H. Clarke. |
| $40 \frac{3}{10}$ | $16 \frac{1}{2}$ | - | $\cdots$ | British Museum (American Exhilition Catalogue). |
| $40 \frac{1}{4}$ | $15^{\frac{1}{4}}$ | $20 \frac{1}{4}$ | $\cdots$ | Sir Edmund G. Loder, Bart. |
| 39 年 | $15^{\frac{3}{8}}$ | $\cdots$ | Colorado | St. George Littledale. |
| $39{ }^{\frac{1}{2}}$ | $16 \frac{1}{2}$ | $24 \frac{3}{4}$ | North America | British Museum. |
| 39 | $15 \frac{3}{4}$ | $\cdots$ | $\cdots$ | W. A. Baillie Grohman (American Exhibition Catalogue. |
| 39 | $14 \frac{1}{8}$ | $18_{1}^{1}$ | $\cdots$... | The late J. S. Jameson. |
| $38^{3}$ | $15{ }^{\frac{1}{2}}$ | 22 | $\cdots$.... | E. N. Buxton. |
| $3^{8 \frac{1}{4}}$ | $15^{\frac{1}{4}}$ | $19 \frac{1}{4}$ | Montana | St. George Littledale. |
| $3^{8 \frac{1}{4}}$ | 168 | ... | $\cdots$... | H. Seton K゙arr (American Exhibition Catalogue). |
| 38 | 17 | $\ldots$ | $\cdots$... ${ }^{\text {.. }}$ | Capt. A. Pike. |
| 38 | 15 | $\ldots$ | ... ... .. | Capt. F. Cookson. |
| 374 | $15{ }^{\frac{7}{8}}$ | $23 \frac{3}{8}$ | Mexico | J. A. H. Drought. |
| $37 \frac{3}{4}$ | $14 \frac{1}{5}$ | $15 \frac{3}{4}$ | British Columbi | Capt. F. Cockson. |
| $37 \frac{1}{2}$ | 16 | $19 \frac{1}{8}$ | $\cdots$... . | Sir Edmund G. Loder, Bart. |
| 37 | $16 \frac{1}{4}$ | ... | $\cdots$ | Major Maitland Kirwin (American Exhibition Catalogue). |
| 36 | $14{ }^{\frac{3}{4}}$ | 143 | ... ... .. | F. J. Horniman. |

BIGHORN SHEEP (Ovis canadensis)-continued.

| Length. | Circumference. | Tip to Tip. | Halitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $36 \frac{1}{2}$ | $15^{\frac{1}{2}}$ | ... | ... ... ... | Major Maitland Kirwin (American Exhibition Catalogue). |
| $36 \frac{1}{2}$ | $14^{\frac{1}{2}}$ | ... | ... ... ... | Gerald Buxton (American Exhibition Catalogue). |
| $36 \frac{1}{2}$ | $14^{\frac{1}{2}}$ | ... | ... ... ... | Thos. Bate (American Exhibition Catalogue). |
| $36 \frac{1}{2}$ | 14 | ... | ... ... ... | J. D. Cobbold. |
| $36 \frac{1}{2}$ | $14 \frac{3}{8}$ | $13^{\frac{1}{2}}$ | ... ... ... | J. C. L. Knight Bruce. |
| 363 | $15^{\frac{1}{4}}$ | $22 \frac{1}{2}$ | ... ... ... | Moreton Frewen. |
| $36 \frac{1}{4}$ | $14 \frac{3}{5}$ | $18 \frac{1}{2}$ | ... | E. N. Buxton. |
| 36 | $14 \frac{1}{2}$ | $16 \frac{1}{2}$ | Montana | R. H. Sawyer. |
| 36 | $15^{\frac{1}{2}}$ | ... | ... ... ... | Capt. A. Pike. |
| $35 \frac{3}{7}$ | 137 | $\begin{gathered} 19 \\ \text { (about) } \end{gathered}$ | ... ... ... | E. N. Buxton. |
| $35 \frac{3}{8}$ | $13^{\frac{1}{4}}$ | 18 | Montana | St. George Littledale. |
| $35^{\frac{1}{2}}$ | $12 \frac{1}{4}$ | 16 | California ... | Sir Victor Brooke's Collection. |
| $35^{\frac{1}{4}}$ | $16 \frac{1}{2}$ | $16 \frac{1}{2}$ | British Columbia | Capt. F. Cookson, 1885. |
| 35 | 14 | ... | ... ... ... | Sir Michael Culme Seymour, Bart. |
| 35 | $15 \frac{3}{4}$ | $17^{\frac{3}{4}}$ | ... ... ... | Hon. Charles Ellis. |
| $34^{\frac{3}{7}}$ | $15^{\frac{1}{2}}$ | $\ldots$ | Colorado | St. George Littledale. |
| $34^{\frac{3}{7}}$ | $14^{\frac{1}{4}}$ | 18 | ... ... ... | The late J. S. Jameson. |
| $34 \frac{1}{2}$ | $14 \frac{1}{2}$ | ... | ... | G. P. Fitzgerald. |
| 34 | 15 | ... | ... ... ... | Do. |
| $33^{\frac{7}{8}}$ | $14^{\frac{3}{4}}$ | 17 | ... ... ... | J. C. L. Knight Bruce. |
| $33^{\frac{1}{2}}$ | $15 \frac{1}{4}$ | $20^{\frac{1}{3}}$ | $\cdots$.... ... | Sir Victor Brooke's Collection. |
| $33^{\frac{1}{2}}$ | 1412 | ... | ... ... ... | Sir Michael Culme Seymour. |
| $33^{\frac{1}{2}}$ | 14 | ... | ... ... | Rowland Ward's Collection. |
| $33^{\frac{1}{2}}$ | 16 | $18 \frac{1}{2}$ |  | J. Carr-Saunders. |
| 33 | $14 \frac{1}{2}$ | ... | ... ... | G. P. Fitzgerald. |
| $32 \frac{7}{8}$ | $15^{\frac{3}{8}}$ | 1912 | ... ... ... | Sir Victor Brooke's Collection. |
| $32 \frac{1}{2}$ | $14^{\frac{1}{2}}$ | $16 \frac{3}{4}$ | ... ... ... | The late J. S. Jameson. |

## BIGHORN SHEEP (Ovis canadensis)-continued.



# KAMSCHATKA WILD SHEEP or WILD SHEEP OF ALASKA (Ovis nivicola). 

[Sir Victor Brooke, Bart., and Mr. B. Brooke, P.Z.S. 1875, p. 521.]
Adult male (winter), Mus. Lugd., Kamschatka.
Hair very long and woolly, and not lengthened into a mane on the neck; general colour grizzly brown; an indefinitely bounded patch on the face below the eyes, and all four limbs anteriorly rich uniform dark brown ; space round the muzzle, upper and under lip, rump, and posterior part of the haunches, centre of the belly, and the limbs posteriorly pure white. The white on the posterior parts of the limbs give place very suddenly to the brown of their anterior surfaces. The white of the rump does not surround the tail, which on its upper surface is darker than the back. Ears and tail very short.

Horns in form closely resembling those of Ovis montana. Frontal and nuchal surfaces convex; orbital surface flat; fronto-nuchal and edges very greatly rounded; fronto-orbital edge strongly defined, a deep groove lying between it and the orbital surface; the terminal curve of the horns well developed, and directed upwards and outwards.

Skull remarkably short and broad, and strongly anchylosed; a shallow anteorbital fossa. Length from between horns to end of præmaxillæ Io inches, its greatest width across the orbits $6 \frac{3}{4}$ inches; height at the shoulder, 37 inches; length of horns round curve, 33 inches, their circumference $12 \frac{3}{4}$ inches.

Adult male, Mus. Strassburg. Only differs from the former in being considerably paler in colour. Length of horns 27 inches, their circumference $13 \frac{1}{2}$ inches.

Adult female, Mus. Lugd. Is darker than the male, and has short compressed horns, about 9 inches in length. The distribution of colour is the same as in the male.

Range.-Kamschatka (Eschscholtz); Stanovoi Mountains, as far south as the sources of the Utschur (Middendorff).

KAMSCHATKA WILD SHEEP Or WILD SHEEP OF ALASKA (Ovis nivicola)-continued.

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 38 | $13 \frac{1}{1}$ | 26 | ... ... ... | F. H. H. Guillemard's party in the <br> "Marchesa," P.Z.S. 1885, p. 675. |
| $35^{\frac{1}{2}}$ | 14 | $26 \frac{1}{2}$ | ... ... ... | Do. |
| 35 | $13^{\frac{1}{4}}$ | $25^{\frac{1}{2}}$ | ... ... ... | Do. |
| 35 | $13^{\frac{1}{4}}$ | 21 | ... ... ... | Do. |
| $34{ }^{\frac{3}{4}}$ | $14{ }^{\frac{1}{2}}$ | 25 | ... ... ... | Do. |
| $34 \frac{1}{2}$ | 117 | $17 \frac{1}{4}$ | ... ... ... | British Museum. |
| 32 量 | $13 \frac{1}{2}$ | 23 | ... ... ... | Sir Edmund G. Loder, Bart. |
| 321 | $13{ }^{\frac{3}{4}}$ | $22 \frac{1}{2}$ | ... ... ... | F. H. H. Guillemard's party in the "Marchesa," P.Z.S. 1885, p. 675. |
| $32{ }^{1}$ | 14 | 21 | ... ... ... | Do. |
| $26 \frac{1}{2}$ | 1212 | $21 \frac{1}{2}$ | ... ... ... | Do. |
| $24^{\frac{1}{4}}$ | $12 \frac{1}{1}$ | 22 | Stanowoi Mntus., E. Siberia. | British Museum. |
| 24 | 13 | $17 \frac{1}{2}$ | ... ... ... | F. H. H. Guillemard's party in the "Marchesa " P Z S. 1885, p. 675 |
| $23 \frac{1}{2}$ | $11 \frac{1}{2}$ | $18 \frac{1}{2}$ | Petropaulovski, Kamschatka. | Dr. Dybowski, British Museum. |
| 13 | 14 | 25 | Kamschatka . | $\underset{\text { Lord Lilford. (Shot by F. H. H. }}{\text { Guillemard's party.) }}$ |

The horns can be readily distinguished from O. Montana by the slenderness at the points.


OORIAL (Ovis cycloceros)-SHAFOO (Ovis vignei).
Habitat-North-West India.


## OORIAL (Ovis cycloceros)-SHAPOO (Ovis vignei)-continuzd.



OORIAL (Ovis cycloceros)-SHAPOO (Ovis vignei)-continuct.



## BURHEL (Ovis nahura).

Habitat-Himalayas.

| Length. | Circum ference. | Tip to Tip. | Habitat |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 | ... | ... | India | ... | B. H. Hodgson, P.Z.S. I840, p. 66. |
| $30 \frac{7}{8}$ | $12 \frac{1}{4}$ | 217 | Do. | ... | A. O. Hume, Private Collection. |
| 30 | $12{ }^{\frac{1}{4}}$ | 221 | Do. | ... | Do. |
| 2912 | $15^{\frac{5}{8}}$ | $25 \frac{1}{2}$ | Do. | ... | H. R. H. Duke of Edinburgh. |
| 28 | II | $20 \frac{1}{4}$ | Do. | ... | Hume Collection, British Museum. |
| $27 \frac{3}{4}$ | $10^{\frac{1}{4}}$ | 10 | Do. | ... | Capt. G. Campbell. |
| $27 \frac{1}{4}$ | 11 | $21 \frac{1}{2}$ | Ladak | ... | St. Geo. Littledale, 1877. |
| 261 | $11{ }^{7}$ | 23 | India | ... | Sir Victor Brooke's Collection. |
| $26 \frac{1}{4}$ | 12 | $21 \frac{1}{4}$ | Do. | ... | Hon. Walter Rothschild. |
| $26 \frac{1}{1}$ | 10 | 22 | Do. | ... | Sir Edmund G. Loder, Bart. |
| $26 \frac{1}{8}$ | $12 \frac{3}{8}$ | 25 | Do. | ... | Hume Collection, British Museum. |
| 26 | 12 | 201 | Do. | ... | Rowland Ward's Collection. |
| 2512 | $11^{\frac{1}{2}}$ | … | Do. | ... | Zoo. Society's Museum (P.Z.S. I840, p. 67 and 68). |
| $25 \frac{3}{8}$ | $1 \mathrm{II}_{\frac{1}{4}}$ | $25 \frac{1}{4}$ | Ladak | ... | St. George Littledale, 1877. |
| 24를 | $12 \frac{1}{4}$ | 26 | India | ... | J. Carr-Saunders. |
| 24 | 1 I |  | Ladak | ... | Mr. Leadbeater, Zoo. Society's Museum (P.Z.S. 1840, p. 67 and 68). |
| 24 | ıо | $22 \frac{1}{1}$ | India | ... | Rowland Ward's Collection. |
| 24 | 11 | $22 \frac{3}{1}$ | Do. | ... | B. H. Hodgson, British Museum. |
| 233 | $10 \frac{5}{8}$ | $26 \frac{1}{8}$ | Ladak | ... | R. Lydekker, British Museum. |
| 233 | $1{ }^{\frac{3}{4}}$ | $24^{\frac{1}{4}}$ | India | ... | Sir Robt. Harvey, Bart. |

BURHEL (Ovis nahura)-continued.

| Length. | Circum ference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $23^{\frac{1}{4}}$ | $11 \frac{1}{4}$ | 25 ${ }^{\frac{3}{4}}$ | India | ... | Hume Collection, British Museum. |
| 23 | 12 | 26 | Do. | ... | H.R.H. Duke of Edinburgh. |
| $22 \frac{3}{8}$ | $10 \frac{3}{4}$ | 223 | Do. | ... | B. II. Hodgson, British Museum. |
| $22 \frac{1}{4}$ | 10 ${ }^{\frac{1}{2}}$ | 23 | Ladak | ... | St. George Littledale, 1877. |
| $22 \frac{1}{8}$ | $10 \frac{5}{8}$ | ... | India | ... | Sir Robert Harvey, Bart. |
| 22 | ... | ... | Do. | $\ldots$ | Do. |
| 22 | $10 \frac{5}{8}$ | $25 \frac{1}{2}$ | Do. | ... | Do. |
| 22 | $10 \frac{1}{2}$ | $21 \frac{1}{4}$ | Nepal ... | ... | B. H. Hodgson, British Museum. |
| 22 | II | 24 | ... ... | ... | Capt. G. Campbell. |
| $21 \frac{3}{4}$ | $10 \frac{1}{4}$ | 23 | India | ... | Capt. G. McMicking. |
| $21 \frac{3}{4}$ | $11 \frac{3}{8}$ | $25 \frac{3}{}$ | Do. | ... | Hume Collection, British Museum. |
| $21 \frac{1}{2}$ | 11 | ... | Do. | ... | H. C. V. Hunter. |
| $21 \frac{1}{8}$ | 11 | $23 \frac{3}{4}$ | Do. | ... | Hume Collection, British Museum. |
| 20 | 10 | 25 | Do. | ... | Zoo. Society's Museum (P.Z. S. 1840 , p. 67 and 68). |
| 197 | $10 \frac{3}{8}$ | 23 年 | Ladak | ... | St. George Littedale, 1877. |
| $19 \frac{1}{4}$ | 1012 | 24 | India | ... | B. H. Hodgson, British Museum. |
| $19 \frac{1}{4}$ | $\mathrm{II}^{\frac{1}{4}}$ | 27 | Thibet ... | ... | Sir Victor Brooke's Collection. |
| 19 | $10 \frac{1}{2}$ | 26 | India | ... | Reginald Beech. |
| $18{ }^{3}$ | 117 | $24 \frac{1}{2}$ | Nepal ... | ... | B. H. Hodgson, British Museum. |

## OVIS ARGALI.

Habitat-India.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |  |
| ---: | :---: | :---: | :---: | :---: | :---: |
| $40 \frac{1}{2}$ | 17 | II | Nepal | $\ldots$ | $\ldots$ |
| $37^{\frac{1}{4}}$ | 16 | $17 \frac{1}{2}$ | Do. | $\ldots$ | $\ldots$ |

## MOUFFLON (Ovis musimon).*

[Blyth, P.Z.S. 1840, p. 72.]
IT is unnecessary to give a detailed description of this beautiful little species, though I may mention that the fine living male in the gardens measures 39 in . from nose to tail, the tail 5 in .; from nose to base of horn 7 in .; ears 4 in .; neck, from posterior base of horn to the abrupt angle of its insertion, 8 in ., and thence to base of tail 2 I in. ; height at the shoulder $2 \frac{1}{4} \mathrm{ft}$.

The female has seldom any horns, which, when they exist, are ordinarily about 2 in . long.

Habitat-Sardinia and Corsica.

| Length | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 287 | 81 ${ }_{8}$ | ... | Sardinia | E. N. Buxton. |
| 28 | $8{ }_{4}$ | $9{ }^{\frac{3}{8}}$ | Do. .. | Do. |
| 26 | 7 | 12 | $\cdots$ | Blyth, P.Z.S. 1840, pt. 8, p. 72. |
| $25 \frac{1}{3}$ | 81 | 10 | $\cdots$... | Hon. Walier Rothschild. |
| $24 \frac{1}{2}$ | $9{ }^{\frac{1}{8}}$ | $9{ }_{8}^{7}$ | South - West dinia. | Sir Victor Brooke's Collection. |
| 24 | 9 | 12 | ... ... | R. J. Kennedy. |
| 227 | 8 | $5 \frac{1}{8}$ | ... ... | Zoological Society, British Museum. |
| $21^{\frac{1}{4}}$ | $8{ }^{7}$ | ... | Sardinia | E. N. Buxton. |
| 21 | $8 \frac{1}{4}$ | 9 | South Sardinia | Sir Victor Brooke's Collection. |
| 21 | $8 \frac{1}{4}$ | 6 | ... ... | Blyth, P.Z.S. 1840, pt. S, p. 72. |
| $20 \frac{3}{4}$ | $7 \frac{5}{8}$ | 12 | North Africa | British Museum. |
| $8{ }_{8}$ | $5^{7}$ | 98 | Sardinia | E. N. Buxton. |

[^11]
## CYPRIAN WILD SHEEP or MIOUFFLON (Ovis ophion).

Habitat-Cyprus.

| Length. | Circumference. | Tip to Tip. | Habitat. | Ouner. |
| :---: | :---: | :---: | :---: | :---: |
| 24 | 8 | $4 \cdot 60$ | Cyprus ... | Lord Lilford, P.Z.S. December 2nd, ISS2. |
| $23^{\frac{1}{2}}$ | 8.15 | 12.20 | $\ldots$... $\ldots$ | Col. J. Biddulph, P.Z.S. December 2nd, 1882. |
| 23 | 7 | 53 | $\cdots \quad \cdots \quad \cdots$ | British Museum, P.Z.S. December 2nd, I 882. |
| 22 7 | $7 \frac{1}{4}$ | 6 | Trudos Mountains, Cyprus. | Gen. Sir R. Biddulph, British Musenm. |
| $22 \frac{1}{4}$ | S | $12{ }^{\text {星 }}$ | Cyprus ... ... | Sir \ictor Brooke's Collection. |

AOUDAD (Ovis tragelaphus).
[Blyth, P.Z.S. 1840, p. 75.]
This animal appears to vary considerably in size-some exceeding a Fallow Deer in stature, while others are much smaller. It has no beard on the chin, like the true goats, but is remarkable for the long hanging hair in front of the neck and on the upper part of the fore-limbs, the former attaining in fine males to about a foot in length, and the latter to $9 \mathrm{in}$. ; there is also some lengthened hair at the setting on of the head, and a dense nuchal mane, the hairs of which are 3 in . long, continued over the withers till lost about the middle of the back; general colour yellow-brown; horns moderately stout, turning outwards, backwards, and so inwards, with the tips inclining towards each other.

This species is well known as the "Aoudad" of the Moors, and the "Kebsh" of the Egyptians; it is also, according to Rüppell, the "Tedal" of the inhabitants of Nubia, which is doubtless the same as "Teybal," applied by Burkhardt to the wild goat of that region, in addition to the word "Beden," which (in common with Rüppell and others) he also assigns to the latter.

## AOUDAD (Ovis tragelaphus)-continuct.

Habitat-Mountain-ranges of North Africa.

| Length. | Circumference at base. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 263 | $10 \frac{3}{4}$ | $15 \frac{1}{4}$ | North Africa | $\ldots$ | British Museum. |
| 26 | II | $17 \frac{3}{4}$ | Do. | ... | Do. |
| 26 | 107 | .. | Do. | $\cdots$ | Do. |
| 25 | $10 \frac{1}{2}$ | 15 | Do. | ... | Blyth, P.Z.S. 1840 , p. 76. |
| 23 | $11 \frac{1}{8}$ | 5 | Do. | - | British Museum. |
| $22 \frac{1}{2}$ | $10 \frac{3}{4}$ | 123 | Do. | ... | Lord Edward Cecil. |
| 197 | $11{ }^{\frac{1}{4}}$ | $14^{\frac{1}{4}}$ | Do. | ... | British Museum. |
| $19{ }^{\frac{1}{4}}$ | $9^{\frac{1}{4}}$ | 163 | Djobel Matlili | $\ldots$ | E. N. Buxton. |
| $18 \frac{1}{2}$ | 115 | $18 \frac{1}{2}$ | North Africa | ... | Sir Edmund G. Loder, Bart. |
| $1{ }^{1} \frac{1}{4}$ | $7 \frac{1}{2}$ | $14 \frac{1}{4}$ | Do. | - | Rowland Ward's Collection. |
| 18 | $7{ }^{\text {妥 }}$ | 15 | Do. | ... | British Museum. |
| $16 \frac{3}{4}$ | $7 \frac{7}{8}$ | 163 | Do. | ... | Do. |
| 16 $\frac{1}{2}^{2}$ | $7{ }^{\frac{1}{4}}$ | 15 | Djobel Matili | ... | E. N. Buxton. |
| 16 | $7 \frac{1}{2}$ | $17{ }^{\frac{1}{4}}$ | North Africa | ... | Blyth, P.Z.S. 1840, p. 76. |

## ASIA MINOR SHEEP (Ovis gmelini).

Habitat-Persia and Asia Minor.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. |  |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $40 \frac{1}{1}$ | $10 \frac{1}{2}$ | $5{ }^{\frac{1}{2}}$ | $\cdots$ | $\ldots$ | ... | W. Burchart Barker, British Museum, P.Z.S. Feb. 1880. |
| $36 \frac{1}{4}$ | $10 \frac{3}{8}$ | $5{ }^{3}$ | $\cdots$ | ... | .. | British Museum. |
| $30 \frac{1}{2}$ | $10 \frac{5}{8}$ | 18 | $\cdots$ | $\ldots$ | ... | Sir Victor Brooke's Collection. |
| 29 叐 | $9 \frac{1}{8}$ | $11 \frac{3}{4}$ | $\cdots$ | ... | ... | Do. |

## ASIA MINOR SHEEP (Ovis gmelini)-continucd.

| Length. | Circumference. | Tip to Tip. |  | Habitat |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $26 \cdot 10$ | $8 \frac{1}{2}$ | 12.20 | $\cdots$ | $\cdots$ | $\cdots$ | C. G. Danford, P.Z.S. Feb. 1880. |
| 24.40 | 10 | 12.80 | $\ldots$ | ... | ... | Do. |
| 231 | 9 | $15 \frac{1}{2}$ | $\cdots$ | $\ldots$ | $\ldots$ | Sir Victor Brooke's Collection. |
| $2 \mathrm{I} \cdot 40$ | $10 \frac{1}{1}$ | 21 | $\cdots$ | $\ldots$ | $\cdots$ | British Museum, P.Z.S. Feb, 1880. |
| 20 | 10 | 21 | ... | ... | $\ldots$ | Blyth, P.Z.S. 1840 , p. 70. |
| $18 \frac{1}{2}$ | $8 \frac{1}{2}$ | I I | $\cdots$ | $\cdots$ | $\cdots$ | British Museum, P.Z.S. Feb. I88o. |

DOIMESTIC SHEEP (Ovis aries).

| Length. | Circumference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $39^{\frac{1}{2}}$ | $8 \frac{3}{4}$ | 21 | $\cdots$... | H. E. Surtees. |
| 351 ${ }^{\frac{1}{2}}$ | 8 | $16 \frac{7}{8}$ | ... ... - | Sir Victor Brooke's Collection. |
| 33 | II | $22 \frac{1}{4}$ | Yarkund | Hume Collection, British Museum. |
| 32 | 85 | $27 \frac{3}{4}$ | Do. | Do. |
| 32 | 83 | $17 \frac{7}{8}$ | ... ... | British Museum. |
| 283 | 8 | $21 \frac{1}{2}$ | Scotland | Rowland Ward's Collection. |
| 225 | $9^{\frac{1}{2}}$ | $20 \frac{1}{4}$ | Yarkund | Hume Collection, British Museum. |
| 223 | $9^{\frac{1}{4}}$ | $22 \frac{1}{2}$ | Do. | Do. |
| 18 | $7{ }^{3}$ | $16 \frac{1}{4}$ | (Fezzan sheep). | British Museum. |
| $17 \frac{7}{8} \times 14 \frac{1}{8}$ | $7 \frac{5}{8} \times 4 \frac{3}{4}$ | $4 \frac{1}{2} \times 6 \frac{3}{4}$ | (four horns) | Iume Collection, British Museum. |
| $17 \times 11 \frac{3}{4}$ | $6 \frac{3}{4} \times 5$ | $6 \times 8 \frac{1}{2}$ | Do. | British Museum. |
| $13 \frac{1}{4} \times 10 \frac{7}{\frac{7}{8}}$ | $5^{\frac{3}{4}} \times 4^{\frac{1}{2}}$ | ... | (five horns) | Hume Collection, British Museum. |
| $13 \times 9{ }^{\frac{7}{8}}$ | $7 \frac{5}{8} \times 5$ | $14 \frac{3}{4}$ | (four horns) | A. O. Hume, Private Collection, |
| $12 \frac{1}{2}$ | ... | $\cdots$ | West Africa | British Museum. |
| $12 \times 9 \frac{3}{4}$ | $6 \frac{1}{2} \times 4$ | $17 \frac{1}{4}$ | (four horns) | A. O. Hume, Private Collection. |



MUSK OX（Ovibos moschatus）．
Habitat－Arctic Regions．

| Length． | Breadth of Palm． | Tip to Tip． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: |
| $27 \frac{1}{4}$ | 1212 | 27 | North America ．．． | Earl of Lonsdale． |
| 267 | II | 27 | Barren Ground of Northern Canada． | Warburton Pike． |
| $26 \frac{3}{\text { 星 }}$ | 123 | $\ldots$ | North America ．．． | J．Rae，British Museum． |
| $26 \frac{1}{4}$ | $13 \frac{1}{8}$ | 27妾 | Do． | British Museum． |
| $24 \frac{3}{1}$ | 11 | 251 | Barren Ground of Northern Canada． | Warburton Pike． |
| $24 \frac{1}{2}$ | 123 | $24^{\frac{1}{2}}$ | North America ．．． | British Museum． |
| $24^{\frac{1}{4}}$ | 102 ${ }^{\frac{1}{2}}$ | 26 | Barren Ground of Northern Canada． | Warburton Pike． |
| 24 | $\begin{aligned} & 20 \text { (circum- } \\ & \text { ference) } \end{aligned}$ | 30 | North America ．．． | Earl of Lonsdale． |
| 24 | $9{ }^{\frac{3}{4}}$ | $23 \frac{1}{8}$ | Do． | Sir Edmund G．Loder，Bart． |
| 22 豆 | $9 \frac{1}{4}$ | 19 ${ }^{\frac{1}{k}}$ | Grinnell Land | Capt．W．H．Fielden，British Mu seum． |
| $22 \frac{1}{2}$ | $\begin{gathered} S_{\frac{3}{4}} \\ \text { (about) } \end{gathered}$ | $\ldots$ | Discovery Bay ．．． | British Museum． |
| $918{ }^{\text {¢ }}$ | $4 \frac{1}{4}$ | $\ldots$ | North America ．．． | A．G．Dallas，British Museum． |
| ¢ 1818 | $4 \frac{1}{8}$ | $\ldots$ | Do． | Do． |
| ¢ 16 | $3 \frac{1}{2}$ | ．．． | Do． | British Museum． |



CAPE BUFFALO (Bos caffer).

> Bechuana name_" Nari."
> Lower Zambesi name_" Nyati" or "Njati."
> Habitat_Africa.

| Greatest Width. |  | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Width ofPalm. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Inside. | Outside. |  |  |  |  |
| 42 | $\ldots$ | $\ldots$ | 17 | Near River Ramokwebani, South Africa. | I. C. Selous, "A Hunter's Wanderings." |
|  | 45 ${ }^{\frac{1}{2}}$ | $\cdots$ | $11^{\frac{1}{2}}$ | Kilimanjaro, East Africa. | H. C. V. Hunter. |
| $41^{\frac{1}{4}}$ | $45^{\frac{3}{4}}$ | 378 | $\ldots$ | South Africa ... | British Museum. |
| 41 | $45^{\frac{1}{2}}$ | 30 | ... | East Africa ... | W. Astor Chanler. |
| 407 | 47 |  | $12 \frac{1}{4}$ | Do. | F. J. Jackson. |
| $40 \frac{1}{2}$ | ... | 26 | ... | Do. | Prince Boris Czetwertynski. |
| 40 | ... | ... | 7 | Linyanti, River Chobe. | F. C. Selous, "A Hunter's Wanderings." |
| $39 \frac{3}{4}$ | 45䍃 |  | $12 \frac{1}{8}$ | East Africa ... | II. C. V. Hunter. |
| $39 \frac{5}{8}$ | $44 \frac{3}{4}$ | $27 \frac{1}{2}$ | ${ }_{11}{ }_{4}$ | Do. | Sir Robert Harvey, Bart. |
| 39 | $43{ }^{\frac{7}{8}}$ | $29 \frac{1}{8}$ | $13{ }^{\frac{1}{2}}$ | South Africa ... | F. C. Selous. |
| $38 \times 1$ | $43^{\frac{1}{4}}$ | $24 \frac{1}{2}$ | $13{ }^{\frac{1}{4}}$ | Do. | Sir John Willoughby, Bart. |

## CAPE BUFFALO (Bos caffer)-continued.

| Greatest Width. |  | Tip to Tip. | Width of Palm. | Habitat. | Ouner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Inside. | Outside. |  |  |  |  |
| $\ldots$ | 44 | ... | ... | East Africa | Joseph Thomson, "Through Masai Land." |
| $38 \frac{1}{4}$ | $42 \frac{3}{8}$ | $28 \frac{1}{8}$ | $13{ }^{\frac{1}{t}}$ | Do. | Sir Robert Harvey, Bart. |
| 38 | $42 \frac{1}{2}$ | ... | $12 \frac{1}{4}$ | Do. | H. C. V. Hunter. |
| $37 \frac{1}{4}$ | 413 | 295 | 13 | South Africa | J. Carr-Saunders. |
| $37 \frac{3}{}$ | $43 \frac{5}{8}$ | $26 \frac{1}{2}$ | $12 \frac{3}{7}$ | East Africa | IIon. Walter Rothschild. |
| $37 \frac{1}{8}$ | $41 \frac{1}{2}$ | 30 | 12 | Do. | Sir Robert Harvey, Bart. |
| $37 \frac{1}{8}$ | $41 \frac{1}{4}$ | 34 | 123 | Do. | Do. |
| 37 | 42 | 34 | ... | Do. | Prince Stargynski. |
| 37 | $41 \frac{1}{2}$ | 24 | $12 \frac{3}{4}$ | South Africa . | W. C. Oswell. |
| 37 | 40 | 35 | ... | East Africa | Gen. Mathews. |
| 37 | 40 | 32 | 117 | Abyssinia | E. Lort-Phillips. |
| 367 | $41 \frac{1}{2}$ | 28 | ... | $\cdots$... - | British Museum. |
| 367 | $40 \frac{1}{4}$ | 307 | 11 ${ }^{\frac{3}{4}}$ | East Africa | Sir Robert Harvey, Bart. |
| $36 \frac{3}{4}$ | 41 | $27 \frac{5}{8}$ | $10 \frac{1}{4}$ | .. ... | Bethnal Green Museum. |
| $36 \frac{3}{4}$ | $42 \frac{3}{8}$ | $29^{\frac{1}{2}}$ | $12 \frac{1}{2}$ | $\cdots{ }^{-\cdots}$ | Sir Victor Brooke's Collection. |
| $36 \frac{1}{4}$ | 41 | ... | $11{ }^{\frac{3}{4}}$ | East Africa | H. C. V. Hunter. |
| $36 \frac{1}{8}$ | $41 \frac{1}{8}$ | $\ldots$ | $25 \frac{3}{\text { a }}$ | South Africa . | British Museum. |
| 36 | ... | 21 | (owner's measurement) | ... ... .. | Sir John Willoughby, Bart. |
| 36 | $42 \frac{1}{8}$ | ... | $22 \frac{1}{4}$ | South Africa | British Museum. |
| 36 | $41 \frac{1}{2}$ | 22 | $\cdots$ | Do. | A. W. Davis. |
| 36 | $41 \frac{1}{4}$ | $29 \frac{1}{2}$ | $11 \frac{3}{4}$ | Do. | A. Beit. |
| 36 | 40를 | 26 | ... | East Africa | Prince Boris Czetwertynski. |
| 36 | 40 | $28_{\frac{1}{2}}$ | (shot by H. <br> H. Johnson) | South Africa . | Sir Philip Currie, Bart. |
| ... | 41 | 30 | Jon | $\cdots$ | Rowland Ward's Collection. |
| 357 | 41 | 283 | -.. | Mashona Land | F. C. Selous, British Museum. |
| $35 \frac{3}{4}$ | 40 | $\cdots$ | $14 \frac{5}{8}$ | East Africa ... | F. J. Jackson. |

## CAPE BUFFALO (Bos caffer)-continued.

| Greatest Width. |  | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Width of Palm. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Inside. | Outside. |  |  |  |  |
| 35 $\frac{5}{8}$ | $39^{\frac{3}{4}}$ | $30^{\frac{1}{4}}$ | $10 \frac{3}{1}$ | East Africa | Sir Robert Harvey, Bart. |
| 35 | 40 | 25 | $15 \frac{1}{2}$ | South Africa . | F. C. Selous. |
| $34 \frac{7}{8}$ | $38 \frac{1}{2}$ | $29 \frac{1}{8}$ | $13 \frac{3}{1}$ | East Afilica | H. C. V. Hunter. |
| ... | ... | 261 $\frac{1}{2}$ | ... | $\cdots \quad .$. | J. A. Jameson. |
| 34 | 39 | 26 | ... | ... ... - | R. P. Carrol. |
| 34 | $38 \frac{1}{4}$ | $27 \frac{3}{8}$ | 117 | South Africa | F. C. Selous. |
| 34 | along front curve one horn | 3212 | $13{ }^{\frac{1}{2}}$ | East Africa | T. W. H. Greenfield. |
| $33 \frac{7}{8}$ | 39 | $23 \frac{1}{8}$ | ${ }^{1} 3^{\frac{1}{4}}$ | Do. | Sir Robert Harvey, Bart. |
| 337 | $38 \frac{1}{4}$ | $26 \frac{5}{8}$ | $12 \frac{3}{4}$ | Do. | H. C. V. Hunter. |
| $33{ }^{\frac{1}{2}}$ | $37 \frac{1}{4}$ | $32 \frac{3}{4}$ | $12 \frac{1}{2}$ | Do. | Sir John Kirk, M. D., K. C. B. |
| $33^{\frac{1}{4}}$ | $38 \frac{3}{4}$ | $\cdots$ | 16 | Do. | F. J. Jackson. |
| 33 | 39 | 21 | ... | South Africa | Rowland Ward's Collection. |
| $32 \frac{5}{8}$ | $36 \frac{1}{2}$ | $23 \frac{3}{4}$ | $12 \frac{1}{4}$ | East Africa | Sir Robert Harvey, Bart. |
| $32{ }^{\frac{1}{2}}$ | 37 | $24 \frac{1}{2}$ | $1{ }^{1} \frac{1}{2}$ | Do. | Do. |
| $32 \frac{1}{12}$ | $38 \frac{1}{4}$ | $19 \frac{3}{4}$ | 13 | $\cdots$... - | Sir Edmund G. Loder, Bart. |
| 32 | $38 \frac{3}{4}$ | 16 | $\mathrm{IO} \frac{1}{2}$ (about) | South Africa | A. Beit. |
| 32 | $36 \frac{5}{8}$ | $20 \frac{1}{8}$ | $13 \frac{3}{8}$ | East Africa | Sir Robert Harvey, 13art. |
| 317 | $37 \frac{1}{8}$ | $23 \frac{5}{8}$ | 13 | ... ... - | H. R. H. Duke of Edinburgh |
| $31 \frac{1}{2}$ | $35 \frac{3}{4}$ | $24^{\frac{1}{4}}$ | $13^{\frac{1}{4}}$ | South Africa | Dr. Knight Bruce, Bishop of Mashuna Land. |
| $31{ }^{\frac{1}{4}}$ | $35 \frac{3}{4}$ | ... | $12 \frac{1}{4}$ | East Africa | H. C. V. Hunter. |
| 31 | $35^{\frac{5}{8}}$ | $24 \frac{1}{2}$ | $12 \frac{1}{2}$ | Do. | Sir Robert Harvey, Bart. |
| $30 \frac{3}{4}$ | 36 | 19 | 10 | Do. | Sir John Kirk, M. D., K. C. B. |
| $30 \frac{1}{2}$ | $34 \frac{1}{2}$ | 227 | $14 \frac{1}{2}$ | Do. | Sir Robert Harvey, Bart. |
| $30 \frac{1}{8}$ | $33 \frac{3}{8}$ | 263 | ... | South Africa | British Museum. |
| $29 \frac{1}{4}$ | 34 | - 0 | $14 \frac{1}{8}$ | East Africa | H. C. V. Hunter. |
| $28 \frac{7}{8}$ | $33 \frac{1}{8}$ | 221 $\frac{1}{2}$ | $10 \frac{5}{8}$ | South Africa | Dr. Knight Bruce, Bishop of Mashunaland. |

CAPE BUFFALO (Bos caffer)-continuted.

| Greatest Width. |  | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Width of Palm. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Inside. | Outside. |  |  |  |  |
| $28 \frac{1}{2}$ | 34 | ... | $2 S^{\frac{3}{4}}$ | Mashuna Land | F. C. Selous, British Museum. |
| $28 \frac{1}{8}$ | $32 \frac{7}{8}$ | $18 \frac{1}{8}$ | $13 \frac{1}{8}$ | East Africa ... | Sir Robert Harvey, Bart. |
| 28 | 32 | 22 | $6 \frac{3}{8}$ | Buse Country ... | F. L. James. |
| $27^{\frac{1}{2}}$ | $32 \frac{3}{4}$ | $15^{\frac{1}{2}}$ | $10 \frac{1}{4}$ | East Africa ... | Sir Robert Harvey, Bart. |
| $26 \frac{1}{2}$ | $31 \frac{1}{2}$ | $21 \frac{1}{4}$ | $9^{\frac{1}{4}}$ | $\cdots$ | C. P. V. Aylmer and W. D. James, I S8I. |
| 24 $\frac{5}{8}$ | $28 \frac{3}{8}$ | ... | $21 \frac{3}{4}$ | Algoa Bay ... | British Museum. |

## CENTRAL AFRICAN BUFFALO (Bos Centralis).

## Habitat-North and Central Africa.

| Greatest width. |  | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Width of Palm. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Inside. | Outside. |  |  |  |  |
| $36 \frac{1}{2}$ | 39 | $34^{\frac{1}{2}}$ | ... | Soudan ... | Rowland Ward's Collection. |
| $28 \frac{1}{4}$ | $31 \frac{3}{4}$ | $25 \frac{3}{8}$ | $8 \frac{1}{2}$ | Do. ... | Col. Ralph Vivian. |
| 28 | $33^{\frac{1}{4}}$ | 19 | $8 \frac{3}{4}$ | Do. ... | Do. |
| $26 \frac{7}{8}$ | $31 \frac{3}{8}$ | 243 | ... | Bogos Land, Abyssinia. | British Musemm. |
| $25 \frac{5}{8}$ | 281 | 24 | ... | Do. | Do. |

## BUBALUS RECLINUS.




## ARNEE (BOs buffelus)-continued.

| Length Outside Curve. | Circumference at Base. | Tip to Tip. | Widest Inside. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56 | $15 \frac{1}{2}$ | 55 ${ }^{\frac{1}{2}}$ | 58 | Kuch Behar |  | Eyre Coote. |
| 55 ${ }^{\frac{1}{2}}$ | $18 \frac{1}{2}$ | 29 | 44 | India ... |  | J. Carr-Saunders. |
| 54를 | $18 \frac{1}{8}$ | $3^{8 \frac{1}{4}}$ | $48 \frac{7}{8}$ | Do. ... | ... | Hume Collection, British Museum. |
| $53 \frac{7}{8}$ | 12 | ... | ... | $\cdots$ | ... | A. O. Hume, Private Col lection. |
| $53^{\frac{1}{4}}$ | 21 | 267 | -. | ... $\quad$. | ... | Baron de Nolde. |
| $53 \frac{1}{\text { ² }}$ | $12 \frac{1}{8}$ | $23 \frac{1}{4}$ | $40 \frac{5}{8}$ | ... ... | ... | Hume Collection, British Museum. |
| $53 \frac{1}{8}$ | $12 \frac{1}{2}$ | ... | - | Nepal ... | ... | B. H. Hodgson, British Museum. |
| 53 | $12 \frac{1}{8}$ | ... | ... | India ... | ... | British Museum. |
| $52 \frac{3}{4}$ | $18 \frac{1}{4}$ | $30 \frac{1}{2}$ | $44^{\frac{1}{8}}$ | Do. | ... | Hume Collection, British Museum. |
| 52 | $16 \frac{3}{4}$ | ... | ... | Do. | ... | British Museum. |
| $51 \frac{1}{2}$ | $16 \frac{1}{2}$ | ... | ... | Do. | ... | Do. |
| $51 \frac{1}{4}$ | $16 \frac{1}{2}$ | ... | ... | Do. | ... | Do. |
| $51 \frac{5}{8}$ | 18 8 | 44\% $\frac{1}{8}$ | $50 \frac{3}{8}$ | 'Nepal ... | ... | B. H. Hodgson, British Museum. |
| $50 \frac{3}{4}$ | $19^{\frac{1}{2}}$ | 36 | ... | India . | -• | Lieut. St. John Brodrick. |
| $50 \frac{1}{2}$ | $17 \frac{1}{2}$ | $21 \frac{1}{2}$ | 37 | Do. ... | ... | Hon. Walter Rothschild. |
| $50 \frac{1}{4}$ | $18 \frac{7}{8}$ | -.. | ... | Do. | ... | British Museum. |
| 50 | $13^{\frac{1}{4}}$ | 33 | $38 \frac{1}{2}$ | Do. | ... | Noel Fenwick. |
| $49^{\frac{1}{2}}$ | $12 \frac{1}{8}$ | $35 \frac{3}{8}$ | $47^{3}$ | Do. ... | ... | British Museum. |
| $49{ }^{\frac{5}{8}}$ | $17 \frac{5}{8}$ | 22 | 40 | Do. | ... | Do. |
| $48 \frac{7}{8}$ | 16 | ... | -.. | Do. ... | ... | Do. |
| $47 \frac{5}{8}$ | 178 | $19 \frac{3}{}$ | .. | Do. .. | $\ldots$ | Do. |
| $47 \frac{1}{8}$ | 18 | ... | ... | Do. ... | ... | Do. |
| 47 | 16 | $38 \frac{1}{2}$ | $46 \frac{1}{4}$ | Do. ... | ... | Bethnal Green Museum. |
| 451 | 12 | 251 ${ }^{\frac{1}{2}}$ | ... | Do. ... | ... | British Museum. |
| $43 \frac{1}{1}$ | 18 | $46 \frac{3}{4}$ | $49 \frac{1}{4}$ | Do. ... | ... | Major Talbot. |
| 43 | 16 | 50 | $50 \frac{3}{4}$ | Do. ... | ... | H. R. H. Duke of Edinburgh. |
| 42 | $13 \frac{3}{4}$ | 33 | $38 \frac{1}{2}$ | Do. ... | ... | Rowland Ward's Collection. |

## ARNEE (Bos buffelus)-continucd.

| Length outside Curve. | Circumference at base. | Tip to Tip. | Widest inside. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $40 \frac{1}{4}$ | $11 \frac{1}{4}$ | 35 | 41 | India ... ... | British Museum. |
| $39 \frac{5}{8}$ | $14 \frac{3}{4}$ | $35^{\frac{1}{8}}$ | 42 | Nepal ... ... | B. H. Hodgson, British Museum. |
| $39 \frac{1}{2}$ | $14{ }^{\frac{1}{2}}$ | $35 \frac{1}{8}$ | 417 | Do. ... ... | Do. |
| 38 | $16 \frac{1}{2}$ | $35 \frac{1}{2}$ | 37 c | India ... ... | Noel Fenwick. |
| 38 | 13 | 253 | $34 \frac{7}{8}$ | Kuch Behar ... | Capt. H. Streatfield. |
| $36 \frac{1}{4}$ | $11 \frac{1}{8}$ | $16 \frac{9}{4}$ | $24 \frac{1}{4}$ | Nepal ... ... | British Museum. |
| 35 | 12 | $26 \frac{1}{2}$ | 41 | India ... ... | E. Tennant. |
| $32 \frac{3}{8}$ | $11{ }^{\frac{1}{4}}$ | ... | $\cdots$ | Nilghiri Hills... | Gen. Hardwicke, British Museum. |
| 303 | 14 | 22 | 32 | Ceylon... ... | H. E. Lindsey. |
| 29 | $9{ }^{\frac{3}{8}}$ | ... | ... | ... ... ... | British Museum. |
| 263 | 143 | $28 \frac{1}{8}$ | 25 | Formosa ... | R. Swinhoe, British Museum. |
| 253 | $11 \frac{1}{8}$ | . $\cdot \cdots$ | ... | $\cdots$... - ${ }^{\text {- }}$ | British Museum. |
| $25^{\frac{1}{4}}$ | $17 \frac{1}{8}$ | 34 | ... | ¢... ... | Sir Stanford Raffles, British Museum. |
| 25 | $14 \frac{5}{8}$ | $22 \frac{1}{8}$ | 25 | Formosa ... | R. Swinhoe, British Museum. |
| 227 | $10 \frac{3}{4}$ | $17 \frac{7}{8}$ | 205 | Nepal ... ... | B. H. Hodgson, British Museum. |
| 19 | 7 | (owner's measurement) | . | Nicarawettya, Ceylon. | J. H. Mann. |



## AMERICAN BISON (Bos Americanus).

Now nearly extinct.
Habitat-North America.

| Length. | Circum ference. | Tip to Tip. | Widest insi de . | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 207 | 15 | ... | $30 \frac{1}{2}$ | Wyoming | Hon. F. Thellusson. |
| 187 | 143 | $\ldots$ | 167 | ... ... ... | The late J. S. Jameson: |
| $17 \frac{3}{4}$ | $12 \frac{3}{8}$ | $15 \%$ | ... | ... ... ... | H.R.H. Duke of Edin- burgh. |
| $17 \frac{1}{2}$ | 12 | ... | 251 | ... ... ... | Rowland Ward's Collection. |
| $17 \frac{1}{8}$ | $11{ }^{\frac{3}{8}}$ | $10 \%$ | $17{ }^{\text {t }}$ | ... ... ... | British Museum. |
| $16 \frac{5}{8}$ | $14 \frac{1}{1}$ | 24 | ... | ... ... ... | Moreton Frewen. |
| $16 \frac{1}{2}$ | $12 \frac{1}{3}$ | $19 \frac{3}{8}$ | Hill Buffalo | ... ... ... | Sir Edmund G. Loder, Bart. |
| $16 \frac{1}{8}$ | $15^{7}$ | 253 | $\ldots$ | ... ... ... | Do. |
| 16 | $11 \frac{3}{4}$ | $15 \frac{3}{5}$ | $\ldots$ | ... ... ... | F. J. Horniman. |
| $15 \frac{1}{2}$ | $14 \frac{3}{8}$ | $\ldots$ | $19 \frac{3}{4}$ | Wyoming | St. George Littledale. |
| 14 | ... | $12 \frac{1}{4}$ | ... | ... ... ... | Col. Ralph Vivian. |
| $13 \frac{3}{8}$ | 12 | ... | ... | ... ... ... | Hon. Walter Rothschild. |
| 1378 | 12 采 | $19 \frac{5}{8}$ | ... | ... ... ... | J. Carr-Saunders. |
| 12 $\frac{1}{4}$ | 12 ${ }_{\text {号 }}$ | $17 \frac{1}{7}$ | $17{ }^{\frac{3}{8}}$ | Mount Yellowstone. | British Museum. |



GAUR BISON (Bos Gaurus).
Habitat-India.

| Length. | Circumference. | Tip to Tip. | Widest inside. | HaLitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $33 \frac{3}{4}$ | $17 \frac{1}{4}$ | 24 | $\cdots$ | India | J. D. Goldingham, Bethnal Green Museum. |
| 332 | $18 \frac{1}{2}$ | 25 | $33^{\frac{1}{4}}$ | Do. | T. W. H. Greenfield. |
| ... | 19 (owner's measurement) | ... | $\ldots$ | Do. | J. D. Inverarity. |
| 317 | $17{ }^{\frac{1}{8}}$ | 218 | $32 \frac{1}{2}$ | Do. ... | A. O. Hume, Private Collection. |
| $31 \frac{1}{2}$ | 18 | 29 | $\begin{gathered} 43 \\ \text { (outside) } \end{gathered}$ | Do. | Bombay Nat. Hist. Suciety ("Proceedings"). |
| $3^{1 \frac{1}{4}}$ | $16 \frac{3}{8}$ | 12\% $\frac{5}{6}$ | $27 \frac{1}{\frac{1}{2}}$ | Do. ... | J. D. Goldingham, Bethnal Green Museum. |
| $30 \frac{2}{2}$ | $16 \frac{1}{2}$ | $13 \frac{1}{2}$ | $\begin{gathered} 33^{\frac{1}{4}} \\ \text { (outside) } \end{gathered}$ | Do. | Lieut. -Col. Sandys. |
| $30 \frac{1}{8}$ | $17 \frac{7}{8}$ | $33^{\frac{3}{8}}$ | $40 \frac{1}{4}$ | Do. | J. Carr-Saunders. |
| $29 \frac{7}{8}$ | $18 \frac{1}{4}$ | 30 | 34 | Do. ... | Sir Edmund G. Loder, Bart. |
| $29 \frac{3}{4}$ | 1 S ${ }_{\text {采 }}$ | $25^{\frac{1}{4}}$ | 30\% | Hassanoor Hills, S. India. | Sir V. Brooke's Coll. (Shot by Col. D. Hamilton). |
| 295 $\frac{5}{8}$ | $18 \frac{1}{2}$ | $16 \frac{1}{4}$ | $26 \frac{1}{2}$ | Annamalies, South India. | Do. |
| $29 \frac{1}{2}$ | $\left\lvert\, \begin{gathered} \text { I8 (owner's } \\ \text { measurement) } \end{gathered}\right.$ | $\ldots$ | $\begin{gathered} 33 \\ \text { (outside) } \end{gathered}$ | India ... | J. D. Inverarity. |
| $29 \frac{1}{4}$ | $12 \frac{7}{8}$ | ... | -18 | Do. ... | Gen. Hardwicke, British Museum. |
| 291 $\frac{1}{8}$ | 165 | 20% | $29^{\frac{1}{4}}$ | Nepal ... | B. H. Hodgson, British Museum. |
| 29 | 22 | (owner's measurement) | ... | India ... | Otho Shaw. |
| $28 \frac{3}{4}$ | $15^{\frac{3}{4}}$ | $30 \frac{5}{8}$ | 35 | Do. ... | British Museum. |
| $28 \frac{5}{8}$ | $17 \frac{3}{8}$ | $24 \frac{1}{2}$ | $28 \frac{3}{8}$ | Sahaydri Mts., South India. | Capt. W. Thompson, British Museum. |

GAUR BISON (Bos gaurus)-continued.


## GAUR BISON（Bos gaurus）－continued．

| Length． | Circum－ ference． | ＇lip to Tip． | Widest inside． | Habitat． | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $25 \frac{3}{8}$ | $13 \frac{5}{8}$ | $19^{\frac{1}{4}}$ | 263 | West Siam ．．． | Brilish Museum． |
| 253 | $15 \frac{1}{1}$ | $13 \frac{5}{8}$ | $25^{\frac{1}{8}}$ | India | Major A．A．Kinloch， British Museum． |
| $25 \frac{1}{4}$ | $13 \frac{1}{4}$ | $19 \frac{1}{2}$ | 265 | Rajhpootna | Col．J．Evans，British |
| $25 \frac{1}{4}$ | $15 \frac{3}{5}$ | $19 \frac{1}{2}$ | $26 \frac{7}{8}$ | Mysore ．．． | Bosworth Smith，British Museum． |
| 25 | 15 | $14 \frac{1}{12}$ | $\ldots$ | Straits Settle－ ments． | T．S．Thompson． |
| $24^{\frac{3}{1}}$ | 17 | $34 \frac{1}{2}$ | 349 | Annamalies， South India | Sir V．Brooke＇s Coll．（Shot by Col．D．Hamilton．） |
| $24 \frac{1}{2}$ | 16 | $28 \frac{1}{2}$ | $\ldots$ | ．．．．．．．．． | Hume Collection，British Museum． |
| 24 | I8（owner＇s measurement） | 34 | $\begin{gathered} 38 \frac{1}{3} \\ \text { (outside) } \end{gathered}$ | India | J．D．Inverarity． Hume Collection，British |
| 24 | 16 | $25 \frac{1}{2}$ | $30 \frac{1}{8}$ | $\cdots$ | Hume Collection，British Museum． |
| $23 \frac{3}{\frac{3}{4}}$ | $15 \frac{7}{8}$ | $20 \frac{1}{8}$ | 25岳 | Nepal ．．． | B．H．Hodgson，British Museum． |
| $23 \frac{1}{2}$ | $14 \frac{5}{8}$ | 28 | 313 | ．．．．．．．．． | H．C．V．Hunter． |
| $23 \frac{1}{4}$ | 151 | 20 | 25\％ | South India | Sir Victor Brooke＇s Col－ lection． |
| $23^{\frac{1}{4}}$ | 12 量 | $13^{\frac{1}{1}}$ | ．．． | $\ldots$ | A．O．Hume，Private Collection． |
| $22 \frac{1}{2}$ | 16 | 21 | ．．． | ．．．．．．．．． | Surgeon－Major Briggs． |
| $22 \frac{1}{8}$ | 15 | 157 | $22 \frac{1}{4}$ | Malay Penin－ sula． | British Museum． |
| 217 | $15 \frac{1}{2}$ | 185 | 23 䂞 | India ．．． | Capt．W．E．Robinson， British Museum． |
| 아 217 | $1 \mathrm{I} \frac{1}{2}$ | $7{ }^{\frac{5}{8}}$ | 18 | West Ghauts | Capt．W．Thompson， British Museum． |
| 215 | $14 \frac{7}{8}$ | 20 | 25妾 | Nepal ．．． | B．H．Hodgson，British Museum． |
| $2{ }^{1} \frac{1}{2}$ | 17 | $22 \frac{1}{2}$ | ．．． | $\cdots{ }^{\cdots} \quad . .$. | Rowland Ward＇s Collec－ tion． |
| $21 \frac{1}{8}$ | 16 | $26 \frac{1}{4}$ | 29 | India | Major Talbot． |
| $21 \frac{1}{8}$ | $11{ }_{8}^{7}$. | 15 | 20\％ | Mysore ．．． | Bosworth Smith，British Museum． |
| $20 \frac{1}{2}$ | 15 | 12 | ．．． | India | Rowland Ward＇s Collec－ tion． |
| $20 \frac{3}{8}$ | 1咅 | $5 \frac{5}{8}$ | $16 \frac{1}{8}$ | Do． | British Museum． |
| $18 \frac{1}{8}$ | $10 \frac{7}{8}$ | $10 \frac{3}{4}$ | 17\％ | Do． | R．C．Beavan，British Museum． |
| $17 \frac{5}{8}$ | $10^{\frac{7}{8}}$ | $13 \frac{5}{8}$ | 17\％ | West Central India． | Major A．A．Kinlock， British Muscum． |
| $17 \frac{1}{4}$ | 11 尔 | $7{ }^{\text {䍃 }}$ | $15^{\frac{1}{2}}$ | ．．．．．．．．． | B．H．Hodgson，British |
|  | 19 | 19 | ．．． | ．．．．．．．．． | Col．G．P．Sanderson， ＂Wild Beasts of India． |

## GAYAL (Bos frontalis).

Habitat—Assam Chittaging Districts.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. |  | Owner. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 15 | $1 I^{\frac{1}{2}}$ | $26 \frac{3}{8}$ | North India | $\ldots$ | British Museum. |  |
| $12 \frac{5}{8}$ | $13^{\frac{1}{4}}$ | $27 \frac{3}{4}$ | India | $\ldots$ | $\ldots$ | Do. |

## DWARF BUFFALO (Bos pumillus).

[Sir Victor Brooke, Bart., P.Z.S. 1875, p. 455.]
Female about three years of age, all the permanent incisors except the two external teeth being in place (Zoological Gardens, Antwerp, received from Senegal) :-

Hair harsh, on the body and limbs of moderate length, longer on the withers and upper and under parts of the neck; general colour bright yellow; on the shoulders and anterior parts of the body there is a strong tinge of brown, caused by an intermixture of brown and yellow hairs; on the flanks and belly the yellow shades gradually into deep rufous; upper parts and sides of the head and neck pure yellow, lower surface of head and neck paler ; entire upper and lower lip, fore limbs from above the carpi, and hind limbs from below the tarsi downwards black; ears about ro in. in length and 6 in . in breadth, narrowed gradually towards their tips, which, from their flexibility and length, curl back upon the ear-conches; internally the upper rim of the earconch is covered by pure yellow hair of about 5 in . length, hair of similar length and colour forming two marked lines along their inner surface; hair on the lower rim of the ear-conch and on the tip black; tail bare, excepting the terminal tuft, which is black.

Height at the shoulder about 42 in .; horns slightly compressed at their bases, and directed upwards; the head is remarkably long in proportion to the body, which is compact and powerful, the limbs short.

Male, Adult.-Generally darker than the female (Du Chaillu); horns greatly compressed from above downwards and broad at their bases, which are transversed in unworn specimens by numerous sharply-marked irregular ridges; beyond these ridges the horns are suddenly contracted into round smooth points, which are directed upwards and sometimes boldly backwards.

The basal portion of the horn in most adult specimens rises slightly but decidedly from the horizontal upon leaving the skull ; in other specimens, however, as for example in the type, the entire horn is directed upwards; length of horns round the curve about 21 in ., their diameter at the base 7 in .

Female, Adult.-In the female the horns are much less compressed at the base than in the male; as in the male the direction of the points of the horns is very variable; length of horns round the curve 17 in ., their diameter at the base $4 \frac{1}{4} \mathrm{in}$.

Range.-Western Equatorial, and the northern parts of Central Africa.

Habitat-Africa.


BOS BRACHYCEROS.
Habitat-Africa.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 153 | II | $9^{\frac{1}{4}}$ | ... ... | ... | Sir Edmund G. Loder, Bart. |
| $14 \frac{7}{8}$ | 98 | $7 \frac{7}{8}$ | West Africa | $\cdots$ | British Museum. |
| $13 \frac{1}{8}$ | 87 | 7 | Do. | ... | Do. |
| I 1 竞 | $8_{\frac{1}{2}}$ | $9{ }^{\frac{7}{8}}$ | $\cdots$... | ... | Sir Edmund G. Loder, Bart. |

## BOS DANTE.

Habitat-Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |  |
| ---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1 3 \frac { 7 } { 8 }}$ | $10 \frac{1}{4}$ | $28 \frac{1}{2}$ | Gambia $\ldots$ | $\ldots$ | Earl of Derby, British Museum. |

## BOS MANUS.

Habitat-Africa.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| 14\% | $8 \frac{1}{4}$ | 尔 | Sette Cama, West Africa. | British Museum. |
| 83 |  | $13 \frac{3}{8}$ | Do. | Do. |
| $7 \frac{3}{8}$ | $6 \frac{1}{1}$ | 83 | Do. | Do. |

## ZEBU (Bos indicus).

Habitat-India.

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. |  |  |
| :---: | :---: | :---: | :---: | :---: | :--- |
| $17 \frac{1}{8}$ | $10 \frac{3}{4}$ | $25 \frac{1}{4}$ | India | $\ldots$ | $\ldots$ | Owner. | British Museum. |
| :--- |



YAK（Bos grunniens）．
Habitat－Tibet．

| Length． | Circum－ | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Widest inside． |  | Habitat |  | Uwner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 383 | 17 | 19 | $31 \frac{1}{2}$ | $\cdots$ | ．．． | ．．． | Hume Collection，British Museum． |
| $34{ }^{\frac{7}{8}}$ | 15 | 16 | 27 星 | ．．． | $\ldots$ | $\ldots$ | Do． |
| 34 | 12 | $20 \frac{1}{2}$ | ．．． | $\ldots$ | $\ldots$ | ．．． | Hon．Walter Rothschild． |
| 32 $\frac{8}{8}$ | $13{ }^{\frac{3}{8}}$ | $16 \frac{1}{3}$ | 268 | $\ldots$ | ．．． | ．．． | British Museum． |
| 32 | 1378 | $15^{\frac{1}{4}}$ | 22年 | $\ldots$ | ．．． | ．．． | H．C．V．Hunter． |
| 303 | $13^{\frac{1}{2}}$ | $10 \frac{1}{2}$ | ．．． | $\ldots$ | ．．． | $\ldots$ | Sir Robert Harvey，Bart． |
| 29.3 | 14 | 12 | $25 \frac{1}{8}$ | $\ldots$ | ．．． | $\cdot$ | Hume Collection，British Museum． |
| 29 ${ }^{\frac{1}{2}}$ | 12 | ．．． | $\ldots$ | ．．． | $\ldots$ | ．．． | Capt．G．Campbell． |
| $28 \%$ | 14 | $17 \frac{7}{8}$ | $26 \%$ | India | ．．． | ．．． | Capt．E．Smyth，British Museum． |
| $27 \frac{7}{8}$ | $1{ }^{3}$ | $18 \frac{3}{8}$ | $27 \frac{3}{8}$ （wild） | Nepal | ．．． | ．．． | B．H．Hodgson，British Museum． |
| $27 \frac{1}{2}$ | 127 | 14 年 | 23 3 | ．．． | ．．． | ．．． | Hume Collection，British Museum． |
| $26 \frac{1}{2}$ | roz | 19 | $22 \frac{3}{4}$ | ．．． | ．．． | ．．． | British Museum． |
| 26 | $13 \frac{1}{2}$ | 183 | $23 \frac{1}{2}$ | ．．． | ．．． | ．．． | J．Carr－Saunders． |

YAK (Bos grunniens)-continued.

| Length. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Width inside. | Habitat. |  |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 223 | $10 \frac{3}{8}$ | $12 \frac{1}{2}$ | $19 \frac{3}{4}$ | Nepal |  | ... | B. H. Hodgson, British Museum. |
| $19 \frac{1}{8}$ | $9^{\frac{1}{4}}$ | 143 | $16 \frac{7}{8}$ | Do. | ... | $\cdots$ | Do. |
| $16 \frac{7}{8}$ | 612 | $3 \frac{3}{6}$ | $12 \frac{3}{8}$ | Do. | ... | ... | Do. |
| $16 \frac{3}{4}$ | 9 | $23^{\frac{3}{7}}$ | 23年 | Do. | . | ... | Do. |
| $13 \frac{3}{8}$ | $5 \frac{5}{8}$ | $16 \frac{3}{8}$ | (... | ... | ... | $\cdots$ | British Museum. |
| 113 | $6 \frac{5}{8}$ | $9 \frac{1}{4}$ | $\text { II } \frac{1}{2}$ | Nepal |  |  | B. H. Hodgson, British Museum. |

JAVA OX (Bos banting.)
Habitat-Java.

| Length. | Circumference. | Tip to Tip. | Widest inside. | Habita |  | Orner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $24^{\frac{3}{4}}$ | 123 $\frac{1}{4}$ | $15 \frac{3}{4}$ | $24^{\frac{1}{4}}$ | Java ... | $\cdots$ | British Museum. |
| $21 \frac{3}{8}$ | $12 \frac{1}{4}$ | $13 \frac{1}{8}$ | $19^{\frac{1}{4}}$ | Borneo ... | $\cdots$ | H. B. Low, British Museum. |
| $20 \frac{5}{8}$ | $12 \frac{1}{4}$ | $18 \frac{1}{8}$ | $22 \frac{1}{8}$ | Do. ... | . | Do. |
| $19{ }^{\frac{1}{4}}$ | $11 \frac{1}{4}$ | $10 \frac{1}{8}$ | 159 | Do. | ... | Do. |
| $1 S_{\frac{1}{4}}$ | 107 | $14^{\frac{1}{2}}$ | $1 \mathrm{~S}_{5}^{8}$ | Do. | ... | Do. |
| 18 | $12 \frac{1}{4}$ | $13 \frac{3}{8}$ | $16 \frac{5}{8}$ | Do. | ... | Do. |
| $17 \frac{7}{8}$ | 11 | $2 \frac{3}{4}$ | $11^{\frac{1}{4}}$ | Do. | ... | Do. |
| $17 \frac{5}{8}$ | $10 \frac{3}{3}$ | $7 \frac{1}{8}$ | $14^{\frac{1}{7}}$ | British Nor neo. | Bor- | W. Pryer, British Museum. |
| $17 \frac{1}{2}$ | $10 \frac{1}{8}$ | $17^{\frac{1}{4}}$ | 203 | Siam | ... | H. C. V. Hunter. (See Illustration.) |
| $17 \frac{1}{2}$ | 97 | $15^{\frac{3}{4}}$ | $17 \frac{3}{4}$ | India | ... | British Museum. |
| $16 \frac{1}{2}$ | $10 \frac{3}{4}$ | 92 ${ }^{\frac{1}{2}}$ | $13 \frac{3}{8}$ | Sarawak | $\ldots$ | Do. |
| $15 \frac{7}{8}$ | $10 \frac{1}{8}$ | $15^{\frac{1}{4}}$ | $16 \frac{1}{8}$ | Borneo ... | -•• | H. B. Low, British Museum. |
| $15^{\frac{7}{8}}$ | $9 \frac{3}{8}$ | $17 \frac{1}{\frac{1}{4}}$ | $\ldots$ | $\cdots$... | ... | British Museum. |
| $14 \frac{7}{8}$ | $10 \frac{3}{4}$ | $8 \frac{7}{8}$ | $13 \frac{1}{8}$ | Borneo ... | $\cdots$ | H. B. Low, British Museun. |



## SONDAIC OX (BANTENG) (Bos sondaicus).

## Habitat-Java.



## ANOA (Bos depressicornis).

Habitat-Celebes.

| Length. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $12 \frac{3}{8}$ | 6 | $6 \frac{1}{2}$ | Celebes ... | $\ldots$ | British Museum. |
| $12 \frac{1}{4}$ | $6 \frac{1}{4}$ | 83 | Do. | $\ldots$ | Do. |
| 117 | $5 \frac{7}{8}$ | 7 | Do. | ... | Do. |
| $11{ }^{\frac{1}{2}}$ | $5 \frac{3}{5}$ | $7{ }^{\frac{1}{4}}$ | Do. . | $\ldots$ | Gen. Hardwicke, British Museum. |
| $10_{2}^{1}$ | $6 \frac{1}{8}$ | $4{ }^{7}$ | Do. ... | ... | British Museum. |
| 10 | 57 | 5离 | I) $0 . .$. | ... | Sir Victor Brooke's Collection. |
| $8 \frac{7}{8}$ | $4 \frac{3}{8}$ | $4 \frac{3}{4}$ | Do. ... | ... | Sir Edmund G. Loder, Bart. |
| $7 \frac{5}{8}$ | $4 \frac{3}{8}$ | 4 | Do. | ... | British Museum. |
| $5 \frac{5}{8}$ | $4^{\frac{1}{4}}$ | 5 | Do. ... | ... | Do. |



Habitat-Lithuania.

| 1 ength. | Circum- <br> ference. | Tip to <br> Tip. | Widest <br> inside. | Habitat. | Owner. |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| $18 \frac{1}{4}$ | $12 \frac{1}{8}$ | $13 \frac{3}{4}$ | $19 \frac{1}{4}$ | Lithuania | $\ldots$ | British Museum. (Presented by the <br> Emperor of Russia.) |

## DOMESTIC OX (Bos taurus).

| Length. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tip. } \end{aligned}$ | Widest inside. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $S_{1} \frac{1}{4} \times 78_{\frac{1}{2}}$ | $18 \frac{1}{1}$ | $103 \frac{1}{2}$ | ... | Lake 'Ngami ... | W. C. Oswell. |
| 47 | $15 \frac{5}{8}$ | $21 \frac{1}{8}$ | $\ldots$ | Abyssinia (Galla Ox) | H. Salt, British Museum. |
| 44 | 127 | $\begin{gathered} 70 \frac{1}{2} \\ \text { (iabout) } \end{gathered}$ | ... | ... $\quad .$. | British Museum. |

DOIMESTIC OX (BOs taurus)-continuct.

| Length. | Circumference. | $\begin{aligned} & \text { Tip to } \\ & \text { Tilip. } \end{aligned}$ | Width <br> Inside. | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 42 $\frac{1}{8}$ | 235 | 22 $\frac{1}{8}$ | ... | Central Africa ... | Col. Denham, British Museum. |
| 418 | 14 | $52 \frac{3}{4}$ | $\cdots$ | Madagascar ... | Bethnal Green Museum. |
| $40 \frac{1}{4}$ | $12 \frac{1}{4}$ | $60 \frac{7}{8}$ | ... | Vienna (Polish Bull) | British Museum. |
| 3S5 | $15 \frac{7}{8}$ | 33 | $\cdots$ | $\cdots$... $\quad .$. | Do. |
| $38^{\frac{1}{2}}$ | $10 \frac{1}{3}$ | $54 \frac{3}{9}$ | $\cdots$ | Italy ... ... | Bethnal Green Muscum. |
| $35{ }^{\frac{3}{4}}$ | $12 \frac{3}{4}$ | $59^{\frac{1}{2}}$ | ... | Cape of Good Hope | Do. |
| $30 \frac{1}{8}$ | $12 \frac{3}{8}$ | 35 | $\cdots$ | Spain ... ... | Do. |
| 298 | $111 \frac{1}{8}$ | 287 | $\cdots$ | Gambia... | Earl of Derby, British Museum. |
| $18 \frac{1}{2}$ | $10 \frac{3}{8}$ | 20 | $21 \frac{1}{8}$ | Chillingham Park | Earl of Tankerville, British Museum. |
| P18 ${ }^{\text {a }}$ | 7 | $10 \frac{1}{8}$ | $15^{\frac{3}{8}}$ | Do. | Do. |
| $17 \frac{1}{2}$ | 103 | $30 \frac{1}{2}$ | . - | Buenos Ayres (Niata Cattle). | G. Claraz, British Museum. |
| $17 \frac{1}{4}$ | $10 \frac{1}{4}$ | $25 \frac{1}{8}$ | ... | Gambia ... ... | Early of Derby, British Museum. |
| $15^{\frac{1}{4}}$ | 9 $\frac{5}{8}$ | $17 \frac{3}{8}$ | 1818 | Northumberland | Duke of Hamilton, British Museum. |
| $12 \frac{1}{8}$ | 8 | $16 \frac{8}{8}$ | ... | Angola, West Africa | Sir Victor Brooke's Collection. |
| $12 \frac{1}{8}$ | 61 | $16 \frac{3}{4}$ | 167 | England ... | British Museum. |
| $11 \frac{1}{2}$ | $7 \frac{1}{2}$ | (single horn) | $\ldots$ | Nepal ... ... | B. H. Hodgson, British Museum. |
| S $\frac{1}{8}$ | S | $18 \frac{1}{4}$ | ... | Do. ... ... | Do. |



INDIAN RHINOCEROS (Rhinoceros unicornis).
Habitat-India.

| I.ength. | Circumference. | Tip to Tip. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 | ... | ... | ... ... |  | T. C. Jerdon, "Mamma |
| 191 ${ }^{\frac{1}{8}}$ | 223 | $\ldots$ | India |  | British Museum. |
| 512 | $14{ }^{\frac{1}{2}}$ | ... | Kuch Behar | ... | Capt. Henry Streatfield. |




## AFRICAN RHINOCEROS (Rhinoceros bicornis).

Bechunana Name-"Borele."
Habitat-Africa.


AFRICAN RHINOCEROS（Rhinoceros bicornis）－cominuct．

| Length． |  | Circumference． |  | Habitat． |  | Owner． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Front <br> Horn． | Rear <br> Horn． | $\begin{aligned} & \text { Front } \\ & \text { Horn. } \end{aligned}$ | Rear <br> Horn． |  |  |  |
| $38 \frac{1}{3}$ | ．．． | 19 | ．．． | Masai Land | ．．． | Sir John Kirk，M．D．，K．C．B． |
| ＊ $37 \frac{3}{8}$ | 1778 | $27 \frac{1}{8}$ | ．．． | South Africa | ．．． | F．C．Selous． |
| ＊37 ${ }^{\frac{1}{4}}$ | $\cdots$ | 24 | ．．． | ．．．．．． | －• | British Museum． |
| 35 | $\cdots$ | $15^{\frac{1}{8}}$ | ．．． | Masai Land | ．．． | Sir John Kirk，M．D．，K．C．B． |
| ＊33 ${ }^{\frac{1}{2}}$ | ．．． | 21 | $\cdots$ | ．．．$\quad$. | ．．． | British Museum（Sir Hans Sloane＇s Museum）． |
| ＊ 33 解 | ．．． | 22 | $\ldots$ | ．．．$\quad$. | $\cdots$ | British Museum． |
| ＊33 | $13 \frac{1}{8}$ | 231 | $\cdots$ | $\cdots$ | ．．． | F．C．Selous． |
| ＊323 ${ }^{\text {星 }}$ | $\cdots$ | $27 \frac{1}{3}$ | ．．． | ．．．$\quad$. | ．．． | The late J．S．Jameson． |
| す＊ 32 妾 | ．．． | 27 | ．．． | $\cdots$ | ．．． | W．C．Oswell． |
| ＋31 ${ }^{\frac{1}{2}}$ | $\cdots$ | ．．． | ．．． | … ．$\quad$. | ．．． | Dr．J．E．Gray，P．Z．S． 1854 ，p． 250. |
| 3 I | $\cdots$ | 18 | ．．． | East Africa | ．．． | R．P．Carrol． |
| 31 | $19 \frac{1}{2}$ | 16 | $16 \frac{1}{4}$ | Do．．．． | ．．． | H．C．V．Hunter． |
| $\ddagger 31$ | ．．． | $\ldots$ | $\cdots$ | Central South Africa． |  | P．7．S．1853，p． 46. |
| ＊30 ${ }^{\frac{3}{4}}$ | ．．． | 193 | $\cdots$ | ．．． | ．．． | British Museum． |
| $30 \frac{1}{2}$ | ．．． | $21 \frac{3}{4}$ | $\ldots$ | Zambezi Valley | ．．． | Sir John Kirk，M．D．，K．C．B． |
| 29 | ．．． | 19 | $\ldots$ | East Africa | ．．． | H．H．Prince Boris Czetwertynski． |
| ＊28 ${ }^{\frac{7}{8}}$ | 9 | $22 \frac{5}{8}$ | $19{ }^{\frac{1}{4}}$ | Lake＇Ngami | ．．． | W．C．Oswell and Col．T．Stecle， British Museum． |
| 2 S 3 | $15^{\frac{1}{4}}$ | 173 | 173 | East Africa | ．．． | H．C．V．Hunter． |
| $28 \frac{1}{4}$ | 83 | $18 \frac{1}{8}$ | $\ldots$ | $\cdots$ ．．． | ．．． | F．C．Selous． |
| 28 | ．．． | $26 \frac{1}{4}$ | $\ldots$ | $\cdots$ ．．． | $\ldots$ | W．Fitzherbert． |
| $27 \frac{7}{8}$ | $\cdots$ | $12 \frac{1}{8}$ | ．．． | ．．． | ．．． | J．Carr－Saunders． |
| $27 \frac{3}{4}$ | ．．． | 14 | ．．． | ．．． | ．． | n |
| 27 | ．．． | $20 \frac{1}{2}$ | $\cdots$ | East Africa | ．．． | E．Gedge． |
| 27 | $16 \frac{1}{2}$ | ${ }^{1} 7 \frac{7}{8}$ | $17{ }^{\frac{1}{2}}$ | Do．．．． | ．．． | Sir Robert Harvey，Bart． |
| 27 | 12 | ．．． | $\cdots$ | Do．．．． | ．．． | Sir John Willoughby，Bart．，＂East Africa and its Big Game．＂ |
| 26 | ．．． | 23 | ．．． | Do．．．． | $\cdots$ | Do． |

## AFRICAN RHINOCEROS (Rhinoceros bicornis)-continuced.

| Length. |  | Circumference. |  | Habitat. | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Front <br> Horn. | Rear <br> Horn. | Front Horn. | Rear Horn |  |  |
| *25 ${ }^{5}$ | ... | $18^{3}$ | ... | East Africa | British Museum. |
| 25 ${ }^{\frac{1}{2}}$ | 113 | $19{ }^{\frac{1}{2}}$ | $\ldots$ | Do. | Sir Robert Harvey, Bart. |
| $25 \frac{3}{8}$ | $9^{\frac{1}{8}}$ | $17 \frac{3}{8}$ | $\ldots$ | Do. ... | F. J. Jackson. |
| $23 \frac{7}{8}$ | $13{ }^{\frac{1}{2}}$ | $16 \frac{5}{8}$ | I $7 \frac{3}{4}$ | Do. | Sir Robert Harvey, Bart. |
| 23 | $\ldots$ | $22 \frac{3}{4}$ | $\cdots$ | South Africa | W. C. Oswell. |
| 23 | ... | $\cdots$ | $\ldots$ | $\cdots \quad \cdots$ | Sir Samuel Baker, F. R.S., "Wild Beasts and their Ways." |
| $22 \frac{7}{8}$ | $11 \frac{1}{2}$ | $16 \frac{3}{8}$ | $\ldots$ | East Africa | F. J. Jackson. |
| $22 \frac{3}{4}$ | ... | $19 \frac{1}{4}$ | ... | Do. ... | W. Astor Chanler. |
| 223 | 85 | 17 | $\ldots$ | Zambezi Valley .. | Sir John Kirk, M. D., K. C. B. |
| $22 \frac{1}{4}$ | I ${ }^{\frac{1}{2}}$ | 17 | ... | East Africa | Sir Robert Harvey, Bart. |
| 22 | $17 \frac{7}{8}$ | 163 | $15^{\frac{1}{4}}$ | Do. ... | Sir John Kirk, M. D., K. C. B. |
| $21 \frac{3}{4}$ | $9 \frac{3}{8}$ | $19 \frac{1}{8}$ | ... | Do. ... | Sir Robert Harvey, Bart. |
| $21 \frac{1}{2}$ | 183 | $22 \frac{1}{8}$ | 2012 | South Africa | Sir A. Smith, British Museum. |
| $21 \frac{3}{8}$ | 17 | 14 | 16 | Abyssinia | British Museum. |
| $20 \frac{1}{8}$ | 83 | 161 $\frac{1}{4}$ | $\ldots$ | East Africa | Sir Robert Harvey, Bart. |
| 197 | $7 \frac{3}{4}$ | 183 | ... | Do. ... | Do. |
| $17{ }^{\frac{1}{2}}$ | $7{ }^{3}$ | $19^{\frac{1}{4}}$ | $19 \frac{7}{8}$ | Abyssinia | British Museum. |
| $16 \frac{3}{4}$ | $\ldots$ | $15 \frac{7}{8}$ | ... | Soudan ... | Col. Ralph Vivian. |
| $16 \frac{3}{8}$ | $12 \frac{5}{8}$ | $13 \frac{3}{4}$ | $14^{\frac{3}{1}}$ | Abyssinia | W. Jessel, British Museuma. |
| 16 | ... | $17 \frac{1}{2}$ | ... | Soudan ... | Col. Ralph Vivian. |
| $15{ }^{\frac{7}{8}}$ | 10 | 19585 | $19 \frac{3}{4}$ | Do. | Do. |
| $15 \frac{3}{4}$ | ... | $20 \frac{1}{4}$ | $\ldots$ | South Africa | W. C. Oswell. |
| $14 \frac{5}{8}$ | $14^{\frac{3}{4}}$ | 17 | $\ldots$ | East Africa | Sir Robert Fiarvey, Bart. |
| $13 \frac{5}{8}$ | 9 | $15^{\frac{3}{8}}$ | $16 \frac{1}{2}$ | Abyssinia | British Museum. |
| $1{ }_{1} \frac{1}{2}$ | $4^{\frac{1}{2}}$ | $13{ }^{\frac{7}{8}}$ | $12 \frac{1}{2}$ | South Africa | Earl of Derby, British Museum. |
| 10 | $6 \times 3$ | (3 horns) | $\cdots$ | $\cdots$... | Sir John Willoughby, Jaart., "East Africa and its Big Game." |

[^12]SUIMATRAN RHINOCEROS (Rhinoceros sumatrensis).

| Length.Circum- <br> ference. | Tip to Tip. | Habitat. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $32 \frac{1}{8}$ | $17 \frac{3}{8}$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | British Museum. |
| $27 \frac{1}{8}$ | $17 \frac{7}{8}$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | Do. |
| $9 \frac{3}{8}$ | $14 \frac{3}{4}$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | Do. |

JAVAN RHINOCEROS (Rhinoceros sondaicus).

| Length. | Circum- <br> ference. | Tip to Tip. | Habitat. |  | Ouner. |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| $10 \frac{5}{8}$ | $19 \frac{5}{8}$ | $\ldots$ | Java | $\ldots$ | $\ldots$ | British Museum. |



## ELEPHANT.

Largest elephant ever killed by Col. G. P. Sanderson, vertical height at shoulder 9 ft .7 in . ; length from tip of trunk to tip of tail 26 ft . $2 \frac{1}{2}$ in.; tusks protruding from gum 2 ft . $4 \frac{1}{2} \mathrm{in}$. ; tusks when taken out 5 ft . ; tusk circumference at gum I ft. $4 \frac{1}{2}$ in.; tusk weight of each $37 \frac{1}{2} \mathrm{lbs}$.

Indian Elephants at Zoological Society's Gardens (P.Z.S. I879 and I88I).

| Height at Shoulder. |  |  |  |  | Circumference of Front Feet above |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jung Pacha | $\begin{array}{r}18 \\ 8 t . \\ \hline \times 7\end{array}$ | 79. | 188 r. <br> ft. in. |  | 1879. |  |  |  |  |  |  | tons cwt. qrs. lbs. tons cwt. qrs. lbs. |  |  |  |  |
|  |  | - | 8 |  | 3 | 8 | 4 | $\bigcirc$ | 2 | 3 | $\bigcirc$ | 23 | 2 | 17 | 1 | 23 |
| Suffa Culli | ... 6 |  | 7 | 6 | 3 | 8 | 3 | 9 | 2 | 2 | 3 | II | 2 | II | 0 | 23 |
| Rustom | ... 6 | - | 6 | 4 | 2 | I I | 3 | 2 | 1 | 3 | 3 | 26 | 1 | 6 | - | $\bigcirc$ |
| Omar | ... 6 | 2 | 7 | o | 3 | 2 | 3 | 6 | 1 | 7 | I | 5 | 1 | 15 | 1 | 21 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |

Height of African Elephant, foot to shoulder, mo ft. ; F. C. Selous, "A Hunter's Wanderings."

## Dimensions of Male Elephant killed on Lake Nyassa, gth September, 186i (Dr. Kirk, P.Z.S. 1864, p. 655).



Dimensions of Elephant brought from South Africa by H.R.H. the Duke of Edinburgh.


From top of head to end of trunk ... II 3
The weight of the entire elcphant in the flesh was 4 tons $S$ cwt. 4 lbs .

The skull and tusks weighed more than 3 cwt. ; the weight of the whole skin when taken from pickle 20 cwt 6 lbs .

Weight of a Baby Elephant, when born, about 213 lbs. Period of gestation, 629 days.


This formed part of the Trophy of His Highness the Maharajalı of Kuch Behar exhibited at the Indian and Colonial Exhibition, 1886.

## ELEPHANT TUSKS.

| Length (outside curve). |  | Greatest Circumference. | Weight. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | in. 5 | $\begin{aligned} & \text { in. } \\ & 22 \frac{1}{2} \end{aligned}$ | $\begin{aligned} & \text { lb. } \\ & \text { I } 84 \end{aligned}$ | Africa ... | .. | Sir Edmund G. Loder, Bart. |
|  |  | $\ldots$ | 172 | $\cdots{ }^{\text {.. }}$ | ... | Sir Samuel Baker, "Wild Beasts and their Ways." |
| 9 | 4 | 201 | 160 | Africa ... | ... | Sir John Kirk, M. D., K. C. B. |
| $\left(\operatorname{tip}^{9}\right.$ |  | 18 | 110 | South Africa | ... | Rowland Ward's Collection. |
|  |  | ${ }^{1} 7 \frac{1}{4}$ | 90 | ... ... | $\cdots$ | H. M. the Queen, Bethnal Green Museum. |
|  |  | ... | 74 | South Africa | ... | F. C. Selous, "A Hunter's Wanderings." |
| 8 | 3 | $18 \frac{3}{4}$ | $81_{2}^{1 \frac{1}{2}}$ | East Africa | ... | T. W. H. Greenfield. |
| 8 | 2 | $18 \frac{3}{4}$ | 80 | Do. |  | Do. |
| 8 | 0 | $16 \frac{7}{8}$ | 90 | South India sanoor For |  | Sir Victor Brooke, Bart., and Col. Douglas Hamilton, 1863. |
| 7 | 9 | 173 | 86 |  | ... | H.M. the Queen, Bethnal Green Museum. |
| 7 | 9 | 19 | 103 | Africa ... | ... | Rowland Ward's Collection. |
| 7 | $6 \frac{1}{2}$ | $21 \frac{1}{4}$ | -.. | South Africa | ... | W. C. Oswell. |
| 7 | $1 \frac{1}{2}$ | $20 \frac{1}{2}$ | ... | Africa ... |  | Rowland Ward's Collection. |
| 7 | -1 $\frac{1}{8}$ | $17 \frac{1}{8}$ | ... | East Africa | ... | F. J. Jackson. |
| 7 | o | $\begin{gathered} 18 \\ \text { (about) } \end{gathered}$ | $\cdots$ | South Africa | ... | Cetywayo's peace offering in 1879 to Lord Chelmsford. |
| 6 | II | 16 | 60 | Siberia | ... | Bethnal Green Museum. |
|  | 10 | $17 \frac{1}{8}$ | $\left\|\begin{array}{c} 65 \frac{1}{2} \text { (Age } \\ \text { S8 to } 100 \text { ) } \end{array}\right\|$ | India ... | ... | J. D. Goldingham, Bethnal Green Museum. |
| 6 | 9 | $17{ }^{\frac{1}{4}}$ | - | East Africa | ... | F. J. Jackson. |
| 6 | 8 | $17 \frac{1}{8}$ | 76 | $\cdots$ | ... | H. M. the Queen, Bethnal Green Museum. |
| 6 | 7 | $16 \frac{1}{8}$ | ... | South Africa | ... | F. C. Selous. |
| 6 | 6 | $16 \frac{5}{8}$ | $63 \frac{1}{2}$ | India ... | ... | J. D. Goldingham, Bethnal Green Museum. |
| 6 | 4 | ... | 72 |  | $\cdots$ | H. M. the Queen, Bethnal Green Museum. |
| $\underset{\text { (spira }}{6}$ | $\mathbf{I}$ | $7 \frac{1}{2}$ | ... | Masailand | ... | Sir J. Kirk, M. D., K. C. B. |
| 6 | $\bigcirc$ | $\ldots$ | 50 | Madras | ... | J. Fortune. |

## ELEPHANT TUSKS-continued.

| Length |
| :---: |
| (outside curve). | | Greatest |
| :---: |
| Circumference. |

Weight.

Habitat.
Owner.

| $\begin{aligned} & \mathrm{ft} . \\ & 5 \end{aligned}$ | $\begin{aligned} & \text { in. } \\ & \text { I I } \end{aligned}$ | $\begin{gathered} \text { in. } \\ \text { (tusk straight) } \end{gathered}$ | $\begin{gathered} \text { lb. } \\ 52 \end{gathered}$ |  | ... | H.M. the Queen, Bethnal Green Museum. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5 | 10 | (owner's measurement) | $\ldots$ | Borneo | ... | C. M. D. Stewart. |
| 5 | 10 | $16 \frac{1}{8}$ | $\ldots$ | White Nile | ... | Sir S. Baker, Bart., British Museum. |
| 5 | $6 \frac{1}{2}$ | $13^{\frac{1}{4}}$ | $\ldots$ | India ... | ... | H.R.H. the Duke of Edinburgh. |
| 5 | $5 \frac{7}{8}$ | $13^{\frac{1}{4}}$ | $\ldots$ | Do. . | ... | Do. |
| 5 | 3 | 16 | $\ldots$ | ... ... | $\ldots$ | Sir Victor Brooke's Collection. |
| 5 | o | $12 \frac{1}{2}$ | 35 | Mammoth | ... | T. Dupeen, Bethnal Gn. Muscuis, dredged off coast of Varmouth. |
| 5 | o | - ${ }^{\text {c }}$ | $\ldots$ | ... ... | ... | Col. G. P. Saunderson, "Wild Beasts of India." |
| 4 | II | $\begin{gathered} 16 \frac{1}{2} \\ \text { (at gum mark) } \end{gathered}$ | ... | India ... | .. | Do. |
| 4 | 82 | $12{ }^{\frac{1}{4}}$ | $\ldots$ | Bornco | ... | C. M. D. Stewart. |
| 4 | 8 | $16 \frac{3}{4}$ | $\ldots$ | ... ... | ... | Sir Victor Brooke's Collection. |
| 4 | 7 | 148 ${ }^{\frac{1}{8}}$ | $27 \frac{3}{4}$ (age 40) | India ... | ... | J. D. Goldingham, Bethnal Green Museum. |
| 4 | 6 | $13^{\frac{3}{4}}$ | $26 \frac{3}{4}$ <br> (age 40) | Do. ... | ... | Do. |
| 4 | 5 | 10 | ... | East Africa | $\cdots$ | W. Astor Chanler. |
| 4 | $3^{\frac{1}{2}}$ | ${ }^{1} 5^{\frac{1}{4}}$ (protruding from skull) | ... | $\cdots$... | $\ldots$ | Sir Edmund G. Loder, Bart. |
| 3 | II | ${ }^{1} 5 \frac{1}{8}$ (protrud. ing from skull) | $\ldots$ | India ... | .. | British Museum. |
| 3 | 67 | $12 \frac{1}{2}$ (protruding from skull) | $\ldots$ | Do. | ... | Do. |
| 3 | $5 \frac{7}{8}$ | ${ }^{1} 5^{\frac{1}{8}}$ (protruding out of skull, mounted head) | ... | South Africa |  | The late J. S. Jameson. |
| 3 | 3 | I8 | 49 | South India sanoor Fo | Hasest). | Sir Victor Brooke, Bart, and Col. Douglas Hamilton, 1863. |
| 2 | 10 ${ }^{\frac{1}{2}}$ | II $\frac{5}{8}$ (protruding from skull) | ... | South Africa |  | British Museum. |
| 2 | 5旁 | I5 (protruding from skull) | ... | India ... |  | Do. |
| I | 6 | $4 \frac{3}{8}$ (protruding from skull) | $\ldots$ | Sumatra |  | Do. |
|  | . | ... | 35 | East Africa |  | Joseph Thomson, "Through Masai Land." |



## ELEPHANT FEET.

| Circumference at base. | Width at bottom back to front. | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: |
| $62 \frac{1}{2}$ | 20 | India | ... | J. Fortune. |
| 54 | $18 \frac{1}{2}$ | Somali Land | ... | Capt. J. S. Ashby. |
| $53{ }^{7}$ | $18 \frac{1}{2}$ | South Africa | $\ldots$ | The late J. S. Jameson. |
| $53^{\frac{1}{2}}$ | 18 | Ceylon | ... | 1I. Storey. |
| $53 \frac{1}{4}$ | $18{ }_{4}$ | South Africa | ... | The late J. S. Jameson. |
| $52 \frac{1}{2}$ | 19 | Somali Land | ... | Capt. J. S. Ashby. |
| $52 \frac{1}{2}$ | 17 | Ceylon | ... | II. E. Lindsey. |
| $52 \frac{1}{2}$ | 17 | Do. | ... | Rowland Ward's Collection. |
| $51 \frac{1}{2}$ | ... | Do. | ... | Capt. C. Hill. |
| 50 | 17 | Do. | ... | H. E. Lindsey. |
| $49 \frac{1}{1}$ | $16{ }^{1}$ | Last Africa | ... | W. Astor Chanler. |
| 49 | ... | Ceylon ... | ... | Capt. C. Hill. |
| $48{ }^{\frac{7}{4}}$ | $16 \frac{1}{8}$ | East Africa | ... | H. C. V. Ifunter. |
| 485 | 16 | Do. | $\ldots$ | Do. |
| $45^{\frac{1}{2}}$ | $15 \frac{1}{1}$ | Mysore ... | ... | W. G. Deeds. |
| 45 | 17 | India | ... | R. Stirling. |
| $44 \frac{3}{4}$ | $14{ }^{3}$ | Soudan | ... | Col. Ralph Vivian. |
| 44 | 14 | Ceylon ... | ... | J. B. Gardyne. |
| $43^{\frac{1}{2}}$ | $13{ }^{\frac{1}{2}}$ | Do. | ... | Do. |



LION (Felis leo).
Habitat-India (nearly extinct) and Africa.
F. C. Selous, in "A Hunter"s Wanderings," says weight 500 lb .
"The Field," July 13 th, I8go, weight 563 lb .
Weight, one killed by J. S. Jameson in Mashuna Land, South Africa, November $1887,385 \mathrm{lb}$.


## LION (Felis leo)-continued.



## LION SKULLS (Felis leo).

| Length between two lines. | Width between two lines. | Weight, cleaned. | Habitat. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 16 (end | $10 \frac{1}{4}$ | - 5 lb . | East Africa | ... | E. Gedge. |
| 15 | 10 | $\ldots$ | Somali Land |  | Col. A. Paget. |
| $13 \frac{3}{4}$ | 93 | 4 lb .12 oz . | Do. | $\ldots$ | Do. |



## TIGER (Felis tigris).

## Habitat-Eastern Asia.




Shot by His Highness the Maharajah of Kuch Behar.

## TIGER SKULLS.

| Length <br> between two lines, from back to front | $\begin{aligned} & \text { Breadth } \\ & \text { between two } \\ & \text { lines. } \end{aligned}$ | Weight cleaned | Habitat. |  | Owner. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $14 \frac{1}{2}$ | İ | $\begin{array}{cc} \text { lb. } & \mathrm{cz} . \\ 4 & 13 \end{array}$ | India | ... | Rowland Ward's Collection. |
| $13{ }^{\frac{7}{8}}$ | $9{ }^{\frac{3}{5}}$ | 315 | Do. | ... | Lieut. -Col. Boileau. |
| $13 \frac{5}{8}$ | $10 \frac{1}{4}$ | 410 | Do. | $\ldots$ | Rowland Ward's Collection. |
| $13 \frac{1}{2}$ | $9{ }^{7}$ | 43 | Do. | ... | Capt. A. P. Longfield. |

## BEAR SKULLS (Ursus).



BEAR SKINS (Ursus).

| Length from nose to tip of tail. | Weight. | Species. | Habitat. | Owner, |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{cc} \text { ft. } & \text { in. } \\ 8 & 7 \end{array}$ | $\begin{aligned} & \mathrm{lb} . \\ & \mathrm{I} 600 \end{aligned}$ | Polar ... | $\cdots$... $\quad .$. | Capt. Lyon, "Museum of Animated Nature." |
| 8 o | 1600 | Do. | Arctic Seas | P. Lamont. |
| ... | 1400 | Grizzly | $\cdots$... $\quad .$. | Sir Thomas Hesketh, Bart. |
| 7 - | $\cdots$ | Black ... | North America | T. W. H. Clarke. |
| 610 | 423 |  | India (owner's measurements) | Maharajah of Kuch Behar. |
| 6 nearly | 280 | ... |  | Col. G. P. Sanderson, "Wild Beasts of India." |



ERRATA.

| Page | 257 for | ches" | read | "machlis." |
| :---: | :---: | :---: | :---: | :---: |
| " | 257 ," | "gaauus" | , | "gaurus." |
| " | 258 , | "doriee" | " | "dorioe." |
| " | 260 | "canma" | " | "canna." |
|  | 261 | "rupocapra" | ", | "rupicapra. |
|  | 261 | "kurdu" |  | "kudu." |

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[^13]The Royal Military Exhibition (Army Medical Department), 1890 .
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## 

OF THE AUTHOR, "THE JUNGLE," $166, ~ P I C C A D I L L Y, ~$ SIMPKIN, MARSHALL \& Co., 4, STATIONERS' HALL COURT, AND OF ALL BOOKSELLERS.




[^0]:    * Weight, 15 lbs. the pair.

[^1]:    ${ }^{x}$ arowistice feer: :

[^2]:    - in-talis aromi

[^3]:    * Cephalophus Madoqua.

[^4]:    * Cervicapra bohor.

[^5]:    * Albino.

[^6]:    P.S. (May I4th).-Mr. Clarke has favoured me with the following notes on this new Gazelle :-
    "I saw this Gazelle for the first time on December I7th, I890, about three hours from Bairwell, or about one day from Buroa Well, Habergerhagi's country, and afterwards on the road all the way into the Marchan district, $8^{\circ} \mathrm{N} .47^{\circ} \mathrm{E}$. I killed a male, and found one of the horns broken off close to the skull, which had apparently been done a year or so ago.
    " They are very graceful animals, with a long neck and well-proportioned head and horns; the body is rather slender, but considerably larger than in Gazella spekii, about the size of a female G. walleri. The legs are long and slender; the hoofs are not so triangular as those of G. spekii, and small for the size of the animal."

    Mr. Clarke informs me that the female of Ammodorcas is without horns, a character which allies it still more closely with Lithocranius, and removes it from the typical Gazelles. The exact locality at which he obtained the specimens is about a day and a half from the Buroa Wells, Central Somali, about roo miles south of Berbera.

[^7]:    * The type specimen from which this Antelope was described I have presented to the British Museum. Until the date of my noticing its points of difference, this variety had been referred to as Oryx beisa, -R, W.

[^8]:    ＊Oreas derbianus．

[^9]:    * Rupicapra vulgaris.

[^10]:    * Rupicapra vulgaris.

[^11]:    * 'The Mouflon sheep of Corsica and Sardinia, but not, there is reason to suspect, of the Levantine Countries.

[^12]:    * Rhinoceros simus (White or Burchell's Rhinoceros).

[^13]:    London International Exhibition, 1862.
    Paris International Exhibition, 1862.
    Vienna International Exhibition, 1873. London International Fisheries, 1883.
    Calcutta International Exhibition, 1883 -84.
    London International Health Exhibition, 1884.
    London Colonial and Indian Exhibition, 1886.
    The Anglo-Danish Exhibition, South Kensington, 1888.

