

ROWLAND WARD'S
RECORDS OF BIG GAME

WITH
THEIR DISTRIBUTION, CHARACTERISTICS, DIMENSIONS,
WEIGHTS, AND

HORN & TUSK MEASUREMENTS

NINTH EDITION

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pp i-xiv, 1-523



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The GREAT INDIAN RHINOCEROS (*Rhinoceros unicornis*).*Gairda* and *Gargudan*, Hindustani.*Karkadan*, Punjabi. *Gonda*, Bengali.

In addition to being the giant among its Asiatic kindred and possessing only a single horn, this species is specially characterised by the form of the folds in its hide, and the large tubercles on the fore- and hind-quarters, which look as though the skin had been fastened to the body by means of rivets. Folds before and behind the shoulder mark off one large triangular shield on each side, while another fold before each thigh separates a large rump-shield; the saddle-shaped body-shield being defined by the fold behind the shoulder and the one in front of the thigh, both of which extend across the back. Very characteristic, too, are the great folds which form heavy rings of skin round the neck. Although the tubercles are largest on the fore- and hind-quarters, they also occur on other parts of the body. Height at shoulder, from 5 feet 8 inches to 6 feet 6 inches; girth behind shoulder, 105 inches. Weight about 4000 lbs.

Distribution.—The Assam plain and the Tarailand of Nepal and some of the adjacent territories. Formerly this Rhinoceros was found over the greater part of the Indian peninsula, as attested by fossil remains.

Length on front curve.	Circumference.	Weight.	Locality.	Owner.
24	24½	...	Assam	British Museum (T. Briscoe). (See illustration, p. 437.)
19½	22½	...	Assam	Ipswich Museum.
18½	23½	4 lbs. 9 oz.	Assam	D. H. Felce.
♀ 18	16	...	Do.	Lieut.-Col. M. H. Logan.
16½	...	...	Belsire, Assam	W. C. Sherwill.
♀ 16½	...	...	Cooch Behar	H.H. the Maharaja of Cooch Behar.
16½	19½	...	Assam	Lord Rothschild.
♀ 16	...	3½ lbs.	Nowgong, Assam	L. Fabre Tonnerre.
15½	22½	...	Nepal	Major I. C. Grant.
13½	21½	3½	Assam	Sir Edmund G. Loder Collection.
15	22½	...	Nepal	Dr. T. G. Longstaff.
15	18	2½	Do.	M. Maxwell.
14½	21	...	Assam	Dr. W. P. Y. Bainbrigge.
14	19½	...	Nepal	J. B. Norman.



Babirusa.



Record Horn of Great Indian Rhinoceros.

Length on front curve.	Circumference.	Weight.	Locality.	Owner.
13½	22	...	Nepal	H.M. The King.
13	20	...	Do.	The late Capt. M. L. Pears.
13	20½	...	Assam	Major Sir George A. Dolby.
13	20¾	...	Do.	W. A. Doxat.
13	21¾	...	Do.	American National Collection.
12½	24	...	Cooch Behar	Major H. A. Hildebrand.
12½	20¾	...	Do.	J. V. Collier.
12	21	...	Nepal	H.K.H. the Prince of Wales.
12	21	...	Do.	A. S. Vernay.
11½	18	...	Do.	Sir Thomas Catto, Bart.

OWNER'S MEASUREMENTS.

21½	24¾	...	Nepal	The late Earl Curzon of Kedleston.
19	18	...	Singpho, Burma	The late Sir C. A. Elliot, Bart.
16½	22¾	...	Bramaputra River, Assam	R. V. Yates and F. J. Price.

1 Singpho Rhinoceros.

The JAVAN RHINOCEROS (*Rhinoceros sondaicus*).

Badak, Malay. *Kyan-tsheng*, Burmese.

A less gigantic and smaller-headed species than the last, with the skin marked by a kind of mosaic pattern, and the fold in front of the shoulder continued right across the body like the two hindmost folds. The neck also lacks the large ring-like masses of folded skin. Horn never very large, and generally almost or completely wanting in the female. A female has been measured which stood $5\frac{1}{2}$ feet at the shoulder, and it is probable that the male is not much inferior in height to the Indian species, although of lighter build.

Distribution.—The Sanderbans and other parts of Eastern Bengal, to the Tarai, Sikhim, Assam, and thence through Burma and the Malay Peninsula to Java.

Length on front curve.	Circumference.	Locality.	Owner.
10½	20	Java	British Museum (M. Maxwell). (See illustration, p. 439.)
10½	19¾	Do.	British Museum.
10½	19½	Do.	H. Van Son.
8½	16	Do.	American National Collection.
8½	20	Do.	A. S. Campbell.
7	19	Do.	J. Th. Hamaker.



Javan Rhinoceros.



Sumatran Rhinoceros.

The **SUMATRAN RHINOCEROS** (*Rhinoceros* [*Dicerorhinus*] *sumatrensis*).

Kayan and *Kyan-shaw*, Burmese.

Badak, Malay.

The smallest of the Asiatic Rhinoceroses, and the only one with two horns; differing, however, from the African members of the genus by the presence of folds in the skin and of teeth in the front of the jaws. Only the fold behind the shoulders is continued across the back, and the brown or black skin is rough, granular, and more or less hairy. Height at shoulder, from about 4 feet to $4\frac{1}{2}$ feet; weight, about 2000 lbs.

Distribution.—From Assam (where the species is very rare) to Siam, the Malay Peninsula, Sumatra, and Borneo. The Assam animal is a distinct local race (*R. sumatrensis lasiotis*), and the name *R. s. blythi* has been given to the Tenasserim race.

Length on outside curve		Circumference		Locality	Owner
Front.	Rear.	Front.	Rear.		
32 $\frac{1}{2}$	...	17 $\frac{3}{4}$	...	?	British Museum.
27 $\frac{1}{2}$	...	17 $\frac{1}{4}$	...	?	Do.
13	7 $\frac{1}{2}$	17 $\frac{1}{2}$	17	Malay Peninsula	C. B. Smales.
11 $\frac{1}{2}$	3 $\frac{3}{4}$	17 $\frac{3}{8}$	...	Do.	P. A. Molloy.
11	3 $\frac{1}{4}$	15 $\frac{1}{4}$	11 $\frac{1}{4}$	Arakan Yomas, Lower Burma	Major Sir T. S. Tancred, Bart.
10 $\frac{1}{2}$	6	18	16 $\frac{1}{2}$	Malay Peninsula	T. R. Hubback. (See illustration, p. 439.)
5	2 $\frac{1}{4}$	13	11	Burma	Lieut.-Col. W. F. Brayne.
4	...	10 $\frac{1}{2}$	...	Borneo	J. L. Humphreys.

OWNER'S MEASUREMENTS.

9	14	Pegu Yoma, Burma	American Museum of Natural History (A. S. Vernay).
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The BLACK RHINOCEROS (*Rhinoceros* [*Diceros*] *bicornis*).

<i>Aurarissi</i> , Abyssinian.	<i>Umkombe</i> , Kaffir.
<i>Abu Gesu-Khartyl</i> , Sudani.	<i>Upelepi</i> , Basuto.
<i>Chipamberi</i> , Lower Zambesi.	<i>Wärtses</i> , Galla.
<i>Chipamberi</i> , Chilala.	<i>Wil</i> , Somali.
<i>Gurhu</i> , Danakil.	<i>Zwart Rhinaster</i> , Boer.
<i>Kifuvi</i> or <i>Marili</i> , Hausa.	<i>Shempola</i> , Chila.
<i>Pemberi</i> , Barotsi.	<i>Amothing</i> , Turkana.
<i>Megi</i> , M'Kua.	<i>E-muny</i> , Masai.
<i>Moejane</i> , Swazi and Matonga.	<i>Ndovuk</i> , Aramanik Dorobo.
<i>Upejana</i> , Matabili and Zulu.	<i>Nyree</i> , Mosiro Dorobo.
<i>Faru</i> , Kiswahili.	

The African Rhinoceroses are two-horned animals, distinguished from their Asiatic relatives by the absence or slight development of the folds of skin which form such a characteristic feature of the latter, and also by the lack of front teeth in both the upper and lower jaws. The hide, too, is almost completely naked, although there are some bristly hairs on the margins of the ears and the tip of the tail.

Perhaps the most distinctive external feature of the Black Rhinoceros, as the present species is commonly called, is to be found in the prehensile tip to the upper lip, which is rounded and not very wide in front. In bodily size this animal is inferior to the next. The Black Rhinoceros is likewise well characterised by the comparative shortness of its skull, and the form and structure of the cheek-teeth, which are adapted for a diet of twigs and leaves. Height at shoulder, 5 to 6 feet. Weight (Lieut.-Col. R. Meinertzhagen), 1 ton 1 cwt. 1 qr. 8 lbs.

Black Rhinoceroses sometimes have more than the usual two horns, three-horned specimens having been recorded from Rhodesia and Kenya Colony; a five-horned specimen is also on record.

Distribution.—From Abyssinia and Somaliland through Kenya Colony and Central Africa, in suitable localities, to the Cape. Now rare to the south of the Zambesi, but probably more abundant in the districts between the interior of Somaliland and Lake Rudolf than anywhere else. Of the local races at present named, the Kenya Colony *R. bicornis holmwoodi* is distinguished by the long and compressed front horn; while the Somali *R. b. somaliensis* is a relatively small form characterised by the proportions of the skull.

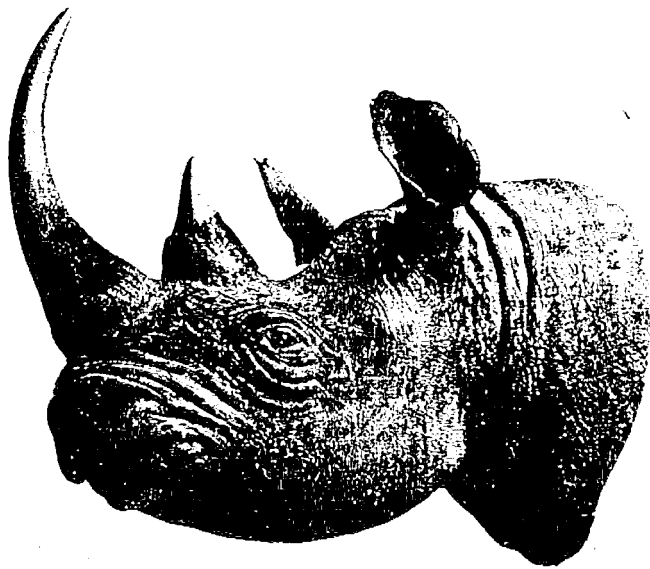
RECORDS OF BIG GAME

	Length on outside curve.		Circumference.		Locality.	Owner.
	Front horn.	Rear horn.	Front horn.	Rear horn.		
♀	53½	...	18½	...	Kenya Colony	K. V. Painter. (See illustration, p. 445.)
	47	22½	22	20	Do.	S. L. Hinde. (See illustration, p. 447.)
	44	...	...	...	Do.	The late F. Holmwood.
♂	43½	...	21½	...	Congo Uganda Fountain ¹	Lord Rothschild.
	43	...	21½	...	?	The late A. Beit.
	41½	10	20½	16½	Zululand	The late Lieut.-Col. Hon. W. Coke.
	40	14½	18½	20½	Mt. Kenya	The late A. H. Neumann.
	39	19¼	19½	17	Kenya Colony	E. B. Horne.
	38½	...	21	...	?	Lord Rothschild.
	36½	12½	20	17	Kenya Colony	Sir Edmund G. Loder Col- lection.
♀	35½	...	17½	...	Do.	Capt. G. H. Kiddell.
	35	11½	21	20	Do.	Brig. Gen. L. W. Sadlier- Jackson.
	33½	16	20	19½	Do.	T. F. Kempson.
	33	22	19½	20½	Do.	Maj. A. J. A. Douglas.
	32½	16	22	19	Do.	Lieut. Col. K. Meinertzhagen.
	32½	20¼	20	19½	Do.	D. Mackenzie.
	32	7½	21	19¼	Tanganyika	Lieut. Col. A. G. Farfan.
	31½	12	16½	16	Kenya Colony	G. St. J. Orde Browne.
	31	17	23½	23½	Masai District	Lieut. Col. C. B. Turner, F.N.
♀	31	13½	18½	18	Kenya Colony	Lieut. Col. W. Neilson.
	31	19½	16	16½	Do.	H. C. V. Hunter.
	30½	13½	20½	17½	Do.	Lieut. Col. Sir G. T. M. Bridges.
	30½	16½	21½	20½	Do.	R. W. McKergow.
	30½	22¼	18	18½	Tanganyika	A. G. O. Hodgson.
	30½	16½	18½	20	Cunene River	Maier F. H. G. Powell-Cotton.
	30½	27½	21¼	24½	N. Rhodesia	E. J. Dent.
♂	30	21½	22½	23½	Kenya Colony	Lieut. Col. Hon. A. Greville.
	30	15½	22	19½	Do.	Maj. Gen. Sir Edward Northey.
	29½	12	20	19	Tanganyika	Lieut. Col. W. T. Shorthose.
	29½	14½	...	...	Somaliland	The late A. H. Straker.
	29	29½	17½	18	South Africa	K. B. Keeling.
	29	15½	19½	20	N. Rhodesia	L. Henniker-Gotley.
♀	29	37½	20	23	Kenya Colony	A. Healy.
	28½	11¼	22½	22½	Do.	J. L. Macandrew.
	28½	8½	18½	...	South Africa	British Museum (F. C. Selous).
	28	...	23½	...	Kenya Colony	F. Baden-Fowell.

¹ Determination pending.² Weight, front horn 1½ lbs. Weight, rear horn 1½ lbs.



Northern White Rhinoceros.



Black Rhinoceros.

RECORDS OF BIG GAME

Length on outside curve.		Circumference.		Locality.	Owner.
Front horn.	Rear horn.	Front horn.	Rear horn.		
28	7½	17¾	18½	Kenya Colony	British Museum (F. C. Selous).
27	12½	24¾	20	Do.	Abel Chapman.
27	12	21	20¾	Tanganyika	Dr. G. W. Crile.
27	...	20½	...	Kenya Colony	E. Gedge.
27	16½	17½	17½	Do.	Sir Koler: Harvey, Bart.
27	11½	20½	19½	Do.	Dr. R. S. Griffin.
27	12½	19¾	21½	Do.	Mrs. H. D. Hannay.
26¾	20½	21¾	19	Do.	The late Sir W. N. McMillan.
26½	10½	19½	15	Do.	H. Charrington.
26½	19	21½	21	Do.	Mrs. Bell.
26½	25½	18½	19	Do.	H. Sampson.
26½	16½	20	22	Do.	H. E. Whitwell.
26½	11	24	20	Do.	Gen. A. Colville.
26½	7	19	19	Do.	Capt. Gerard Leigh.
26½	9¾	21¾	18½	Do.	R. Chamberlain.
26	19½	11½	22	N. Nigeria	The late Capt. N. K. Street.
25¾	10½	20½	16½	Nigeria	Col. J. G. Browne.
25	14	17	17½	Kenya	Capt. F. H. Harris.
25	14	17½	18½	Do.	W. de Landa y Escandon.
24½	10½	20½	20½	Do.	A. Fowle.
24½	10½	22	19	Do.	Countess of Sefton.
24½	9½	22½	20½	Do.	N. G. McLean.
24½	11½	19½	19	Tanganyika	R. A. St. J. Maguire.
24	11	21	19	Kenya	Mrs. G. L. Bailey.
24	10½	22	19½	Do.	S. K. Mallet.
24	12½	18	17½	Caprivi Strip	Dr. S. B. Legge.
22	6¾	17½	16	Somaliland	Col. H. D. Olivier.
21½	17	14	16	Abyssinia	British Museum.
20¾	...	19½	...	Lake Chad	Capt. G. W. Moran.
¹ 20	10¾	20	21	N. Rhodesia	C. L. Austin.
19½	9½	18	14	Nigeria	Lieut. Col. H. V. Venables-Kyrke.
19	12½	19½	19½	Sudan	Major W. R. Barker.

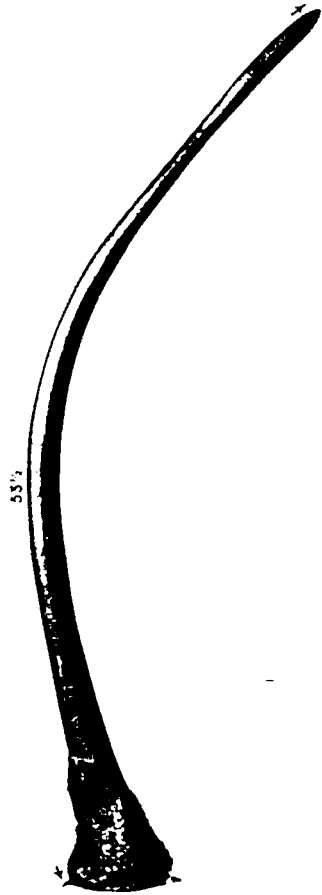
OWNER'S MEASUREMENTS.

40½	19½	...	...	S. Africa	Col. Sir Neville Chamberlain. (Shot by K. Gordon-Cumming.)
33	9½	24	25	Belgian Congo	Dr. A. H. B. Kirkwood.

¹ Three-horned; the third horn measuring 5½ ins.



Front Horn of Female Southern
White Rhinoceros. 62 $\frac{1}{4}$ inches.
(Sir William Gordon-Cumming,
Bart.'s Collection.)



Front Horn of Black Rhinoceros.
53 $\frac{1}{2}$ inches.
Mr. K. V. Faunter's Collection.

The **WHITE** or **BURCHELL'S RHINOCEROS** (*Rhinoceros* [*Diceros*] *simus*).

Abu Garn and *Um Girin*, Sudani. *Chil* and *Mirer*, Dinka.
Nuer, and Atwot. *Vit Rhinaster*, Cape Dutch.

Next to the Indian Elephant this is the largest existing land mammal. Its huge bulk, the bluntly truncate muzzle, which has no prehensile tip, the great length of the skull, and the enormous front horn, with its expanded base and flat front surface, form the most striking external characteristics of this species. The cheek-teeth are of a different type of structure from those of the preceding species, being, in fact, adapted for chewing grass. In walking, the animal carries its head low, so that in examples in which the front horn bends forward, its tip becomes worn by being pushed along the ground. The colour of the skin is rather lighter than that of the black species. Height at shoulder about 5 feet 6 inches.

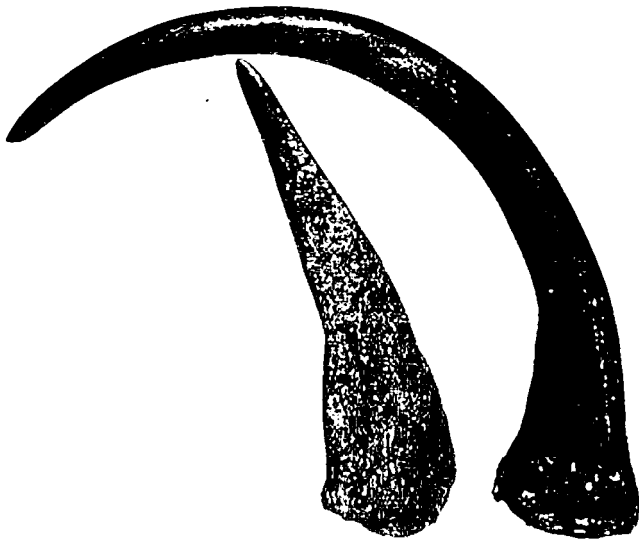
Distribution.—South and South-East Africa, in suitable localities, as far north as the Zambesi; and again in Equatorial Africa at Lado, just north of the equator. Exterminated early in the last century to the south of the Orange River, and now represented in South Africa at the most by a few survivors in North-East Mashonaland, and by twelve others in the reedy swamps at the junction of the Black and White Umvolosi rivers. Between the Zambesi and Orange rivers the species was abundant about half a century ago; Andersson alone having killed sixty in the course of a few months. Its existence in Central Equatorial Africa was indicated by Sir Samuel Baker on the evidence of horns, and subsequently made certain in the neighbourhood of Lado by Major Gibbons. The northern race (*R. s. cottoni*) is distinguished by the proportions of the skull, and apparently by the sculpture of the skin.

A. —SOUTHERN or TYPICAL RACE.

Length of skull (extremities)		Circumferences		Locality.	Owner.
From eye	From ear	Front horn	Rear horn		
62½		22½		South Africa	Sir William Gordon-Cumming, Bart. (See illustration, p. 445.)
56		25½		Do.	British Museum.
50½	1	25	22	Do.	The late Sir W. N. McMillan.
44		20		Do.	British Museum.
42½		24		Do.	J. W. Walker.



Maj. Gen. Sir Charlton Spinks' Horn
of Northern White Rhinoceros.



Mr. S. L. Hinde's Horns of Black Rhinoceros.

RECORDS OF BIG GAME

Length on outside curve.		Circumference.		Locality.	Owner.
Front horn.	Rear horn.	Front horn.	Rear horn.		
40 $\frac{3}{4}$	...	29 $\frac{3}{4}$	...	South Africa	Sir Edmund G. Loder Collection.
40 $\frac{1}{2}$	...	20 $\frac{3}{4}$	...	Do.	Lord Rothschild.
37 $\frac{3}{4}$	17 $\frac{3}{4}$	27 $\frac{1}{2}$	...	Mashonaland	British Museum (F. C. Selous).
¹ 35 $\frac{1}{2}$	7 $\frac{3}{4}$	25	21	Mount Domo, Mashonaland	South African Museum (Cecil Rhodes).
33	...	...	...	South Africa	Major P. H. C. Powell-Cotton.
33	13 $\frac{1}{2}$	23 $\frac{1}{4}$	...	Mashonaland	British Museum (F. C. Selous).
31 $\frac{1}{2}$	8 $\frac{1}{4}$	26 $\frac{3}{4}$	26	Zululand	J. C. Phillips.
31	...	22	...	Mashonaland	J. G. Griffiths.
¹ ♀ 29 $\frac{3}{4}$	5 $\frac{1}{2}$	23	20 $\frac{3}{4}$	Zululand	Retoria Museum (Julius Jeppe).
¹ 22 $\frac{1}{2}$	7 $\frac{1}{2}$	26 $\frac{1}{4}$	...	Mashonaland	Lord Rothschild.
¹ 20 $\frac{3}{4}$	7	28 $\frac{3}{4}$	...	Do.	British Museum.
¹ 20	6	25 $\frac{1}{2}$	18 $\frac{1}{2}$	Zululand	H. K. H. the Duc d'Orléans' Collection.

B.—NORTHERN RACE (*R. simus cottoni*).

Length on outside curve.		Circumference.		Locality.	Owner.
Front horn.	Rear horn.	Front horn.	Rear horn.		
45 $\frac{3}{4}$	...	24 $\frac{1}{2}$	...	Lado	Maj. Gen. Sir Charlton Spinks. (See illustration, p. 447.)
41 $\frac{1}{2}$	...	25	...	Mongalia	Capt. H. C. Brocklehurst.
41	11	26	22 $\frac{1}{2}$	Do.	The late Major P. M. Dove.
40 $\frac{1}{2}$	...	25	...	Bahr-el Ghazal	Major F. G. Poole.
39	11	26 $\frac{1}{4}$	25 $\frac{1}{4}$	Do.	Major C. Graham.
38 $\frac{1}{2}$	...	22 $\frac{1}{4}$	...	Do.	K. V. Fainter.
♀ 38	...	20	...	Do.	Major R. G. C. Brock.
♀ 37 $\frac{1}{2}$	...	22 $\frac{3}{4}$	...	Belgian Congo	Lord Rothschild.
37	21	11	19 $\frac{1}{2}$	Mongalia	Capt. N. Cantlie.
36 $\frac{1}{2}$	...	19 $\frac{1}{4}$	...	S. Sudan	Lieut. Gen. Sir B. T. Mahon.
36 $\frac{1}{2}$	14	27	18 $\frac{1}{2}$	Lado	The late G. G. Longden.
36	10 $\frac{3}{4}$	20	18 $\frac{1}{2}$	Do.	Major P. H. G. Powell-Cotton.
36	14 $\frac{1}{2}$	24 $\frac{3}{4}$	22	Do.	F. A. Temple-Perkins.
35 $\frac{1}{2}$	10 $\frac{1}{2}$	27 $\frac{1}{4}$	26 $\frac{1}{4}$	Near Lado	Maj. Gen. Sir Charlton Spinks.
35 $\frac{1}{2}$	...	21	...	French Congo Border	Major R. F. Cooper.
35	13 $\frac{1}{2}$	21 $\frac{1}{2}$	20 $\frac{1}{2}$	Lado	H. Twyford.
34 $\frac{1}{2}$	13	22 $\frac{1}{2}$	21 $\frac{1}{2}$	Near Lado	Sir Frederick J. Jackson.

¹ Mounted specimens.

Length on outside curve.		Circumference.		Locality.	Owner.
Front horn.	Rear horn.	Front horn.	Rear horn.		
34½	9	22½	17½	Near Lado	Duke of Sutherland.
35½	11	22	20	Rhino Camp, W. Nile	H. R. H. the Duke of York.
34½	12	26	22	Do.	Col. Stephenson R. Clarke.
32	7	21	16½	Near Lado	Douglas M'Douall.
31	14	22½	21½	Rhino Camp, W. Nile	Sir Geoffrey Archer.
31	8	20½	19	Do.	Lady Delamere.
31	11½	21	19½	Uganda	Capt. K. G. Gallien.
31	12	27	27	Lado	British Museum (Major J. H. G. Powell-Cotton).
34½	...	25½	...	White Nile	Brig.-Gen. C. J. Hawker.
31	11	22	19½	Uganda	Sir Joseph Tichborne, Bart.
29½	11	15½	16	Rhino Camp, W. Nile	Sir Charles Marlham, Bart.
28½	10½	20	23½	W. Nile	H. S. Oler.
26½	12½	21	...	Do.	Basle Museum (E. K. Miville).
25	8½	28½	25	Welle, Belgian Congo	G. M. Haardt.
23	7½	18	16	Lado	A. K. Macomber.
22	...	19½	...	Cameruns	Lord Roth-child.

OWNER'S MEASUREMENTS.

28½	12	27½	23	W. Nile	Berne Museum (Miss V. de Wateville).
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