

ROWLAND WARD'S RECORDS OF BIG GAME

WITH

THEIR DISTRIBUTION, CHARACTERISTICS, DIMENSIONS,
WEIGHTS, AND

HORN & TUSK MEASUREMENTS

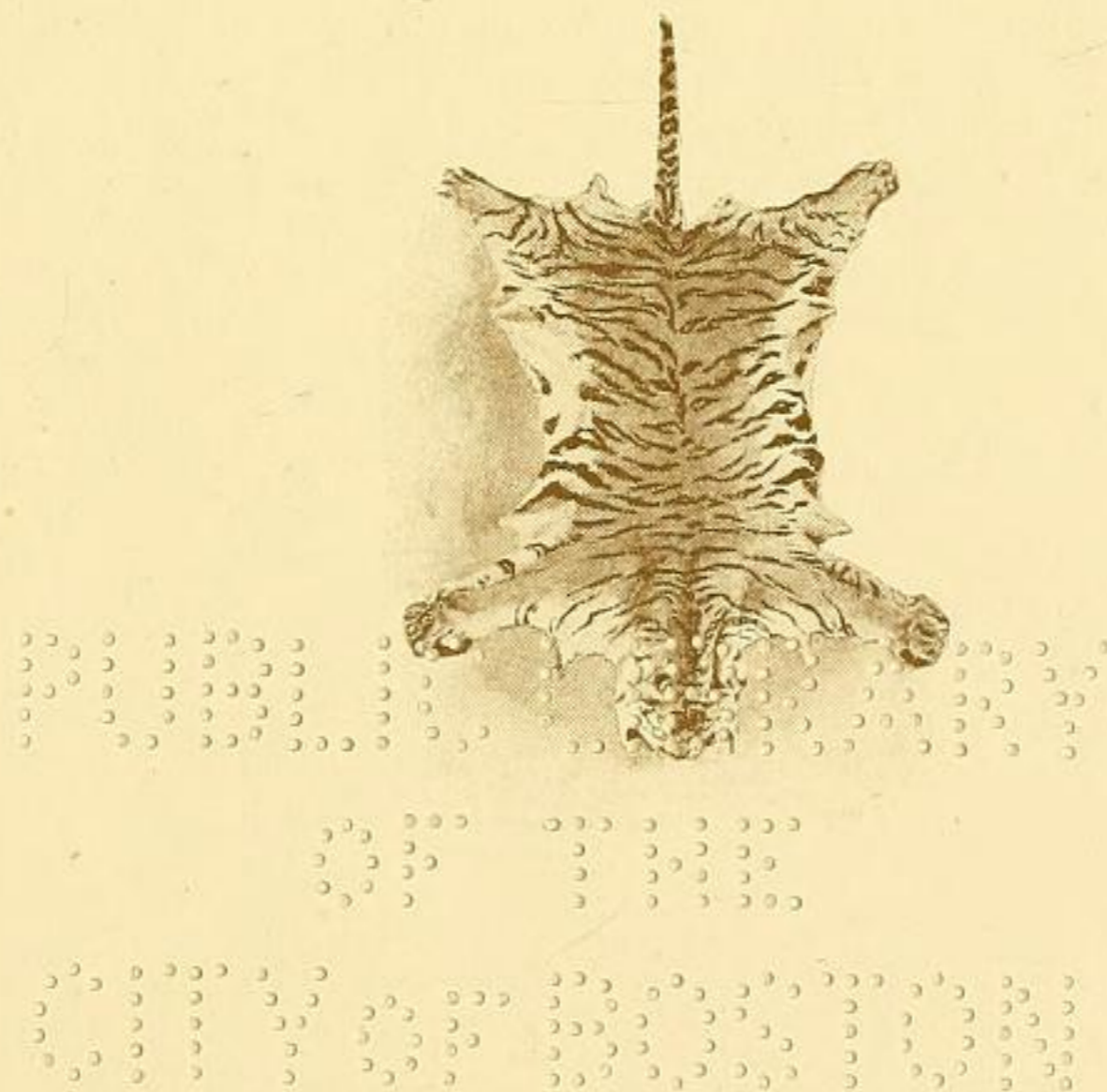
SEVENTH EDITION

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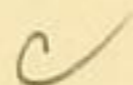


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Record Horn of Great Indian Rhinoceros. Shot by the late T. Briscoe.

The GREAT INDIAN RHINOCEROS (*Rhinoceros unicornis*).

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 over 6 feet; girth behind shoulder, 105 inches. Weight of living animal, 1010 lbs. (*New York Zool. Soc.*).

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. There is evidence of the occurrence of a more or less nearly related rhinoceros, apparently with two horns, in the Singpu district of Upper Burma.

Length on front curve.	Circumference.	Weight.	Locality.	Owner.
24	24 $\frac{3}{4}$	...	Assam . . .	British Museum (the late T. Briscoe).
19 $\frac{1}{8}$	22 $\frac{3}{8}$	...	Assam (?) . . .	Ipswich Museum.
18 $\frac{3}{8}$	23 $\frac{1}{4}$	4 lbs. 9 oz.	Assam . . .	D. H. Felce.
♀ 18	16	...	Do. . . .	The late M. H. Logan.
16 $\frac{3}{4}$	...	...	Belsire, Assam . . .	W. C. Sherwill.
♀ 16 $\frac{1}{4}$	...	...	Cooch Behar . . .	H.H. the Maharaja of Cooch Behar.
♀ 16	...	3 $\frac{1}{2}$ lbs.	Nowgong, Assam . . .	L. Fabre Tonnerre.
15	22 $\frac{3}{4}$	...	Nepal	Dr. T. G. Longstaff.
14 $\frac{1}{4}$	21	...	Assam	Dr. W. P. Y. Bainbrigge.
♀ 14	22 $\frac{7}{8}$	4 $\frac{1}{2}$ lbs.	Nowgong, Assam . . .	L. Fabre Tonnerre.
13 $\frac{1}{2}$	22	...	Nepal	His Majesty The King.
13	20	...	Do.	Capt. M. L. Pears.
13	20 $\frac{1}{2}$	...	Assam	G. A. Dolby.
13	20 $\frac{3}{4}$	...	Do.	W. A. Doxat.
12 $\frac{3}{4}$	23	...	Do.	H. B. Firman.
12 $\frac{1}{2}$	21 $\frac{5}{8}$	...	Do.	H. C. Holland.
12 $\frac{1}{2}$	21	...	?	J. W. Grieve.
12	21 $\frac{1}{2}$	...	Cooch Behar . . .	A. Ezra.
12	21 $\frac{3}{4}$	...	Nepal	Major Lord Charles M. Nairne.
11 $\frac{3}{4}$	19 $\frac{3}{4}$	...	Do.	H.S.H. the Duke of Teck.

OWNER'S MEASUREMENTS.

21 $\frac{1}{2}$	24 $\frac{3}{4}$	...	Nepal	Lord Curzon of Kedleston.
13 $\frac{7}{8}$	...	...	Cooch Behar . . .	H.H. the Maharaja of Cooch Behar.
¹ 13	...	...	Do.	Do.
13	...	...	? . . . .	Indian Museum, Calcutta.
12 $\frac{1}{2}$	15 $\frac{1}{2}$	...	Cooch Behar . . .	Col. J. J. Harrison.

¹ Height at shoulder, 6 ft. 6 ins.



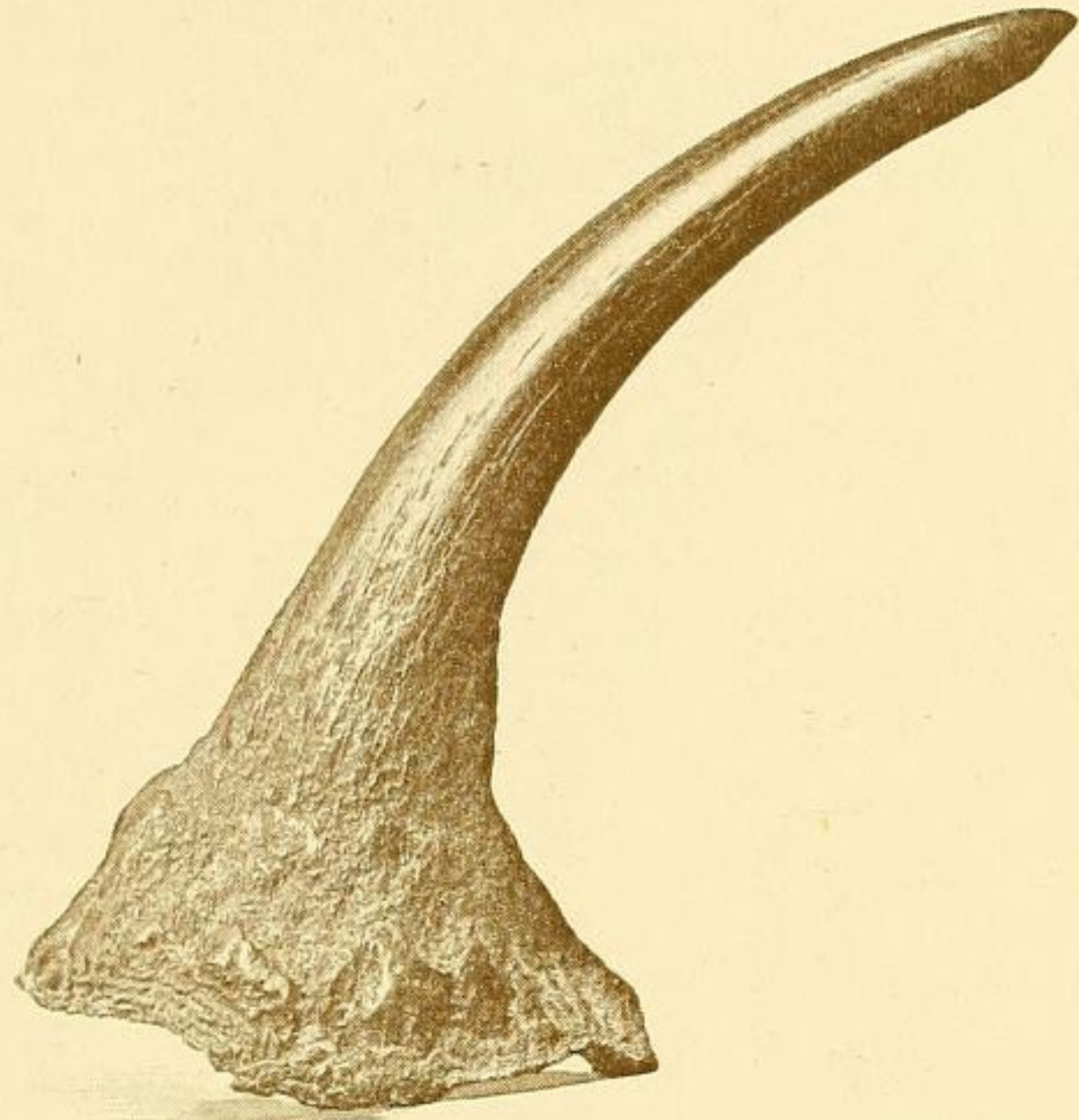
Javan Rhinoceros. Shot by Mr. M. Maxwell.

The JAVAN RHINOCEROS (*Rhinoceros sondaicus*).

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 Sumatra, Java, and Borneo.

Length on front curve.	Circumference.	Locality.	Owner.
$10\frac{3}{4}$	20	Java	M. Maxwell. (See illustration).
$10\frac{5}{8}$	$19\frac{5}{8}$	Do.	British Museum.
$10\frac{5}{8}$	$19\frac{1}{2}$	Do.	H. Van Son.
$8\frac{1}{4}$	20	Do.	A. S. Campbell.



Front Horn of Sumatran Rhinoceros. Shot by Mr. G. F. W. Curtis.

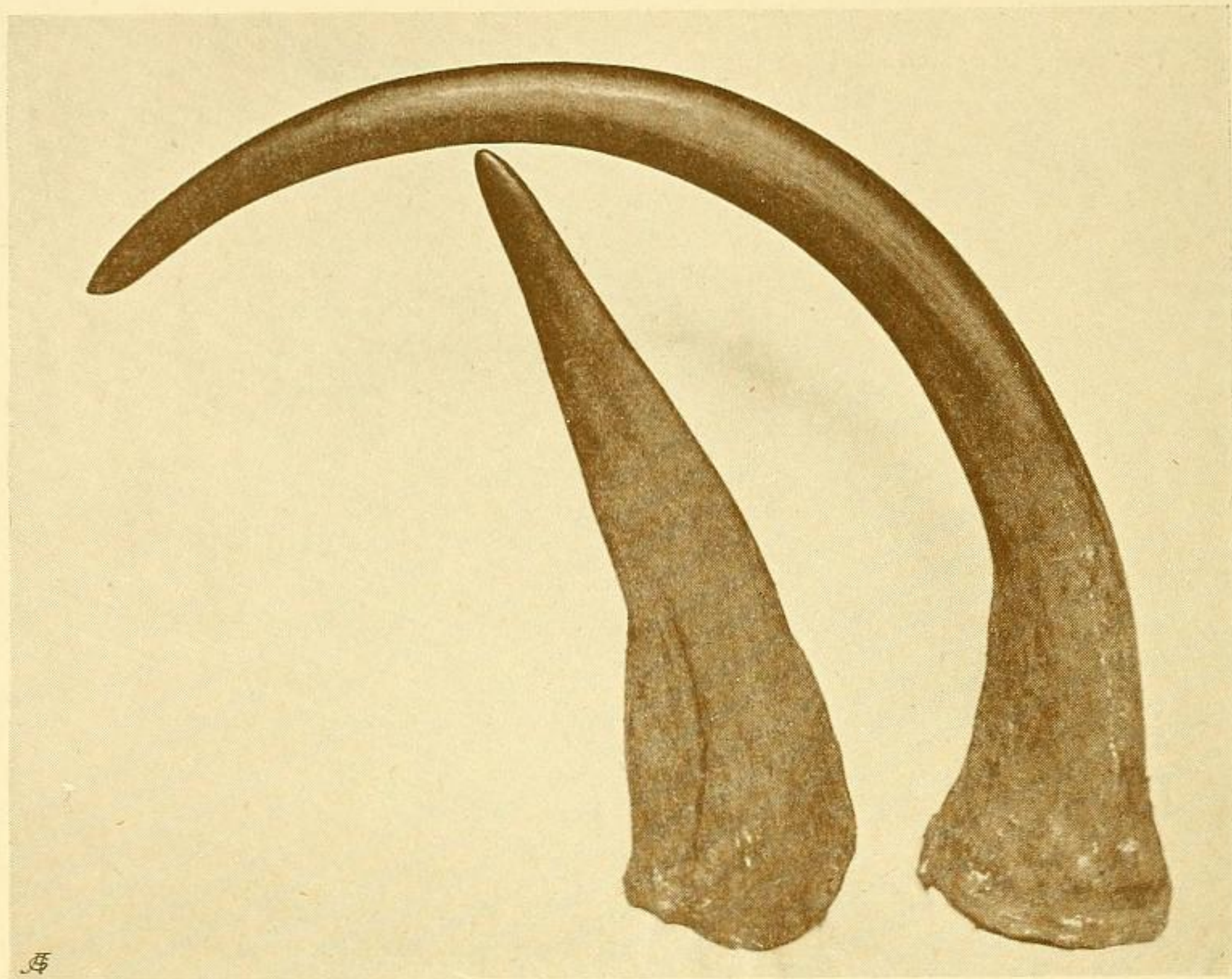
The SUMATRAN RHINOCEROS (*Rhinoceros* [*Ceratorhinus*]¹ *sumatrensis*).

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 4½ 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*).

Length on outside curve.		Circumference.		Locality.	Owner.
Front.	Rear.	Front.	Rear.		
32½	...	17¾	...	?	British Museum.
27½	...	17¾	...	?	Do.
15	7½	17½	17	Malay Peninsula	C. B. Smales.
11	3½	15¼	11¼	?	Sir T. S. Tancred, Bart.
7	2½	14	10	?	Capt. P. Hudson.
5	2¾	13	11	Burma	Capt. W. F. Brayne.

¹ An earlier name is *Dicerorhinus*, but this is too like *Diceros*, the subgeneric (or generic) name of the African rhinoceroses.



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

The BLACK RHINOCEROS (*Rhinoceros* [*Diceros*] *bicornis*).

Aurarissi, Abyssinian.

Abu Gesn-Khartyl, Sudani.

Chipamberi, Lower Zambesi.

Chipémber, Chilala.

Fava, Swahili.

Gurhu, Danakil.

Muin, Masai.

Kifuvi or *Marili*, Hausa.

Megi, M'Kua.

Sipejana, Swazi and Matonga.

Upejana, Matabili and Zulu.

Upelepi, Basuto.

Wärtses, Galla.

Wil, Somali.

Zwart Rhinaster, Boer.

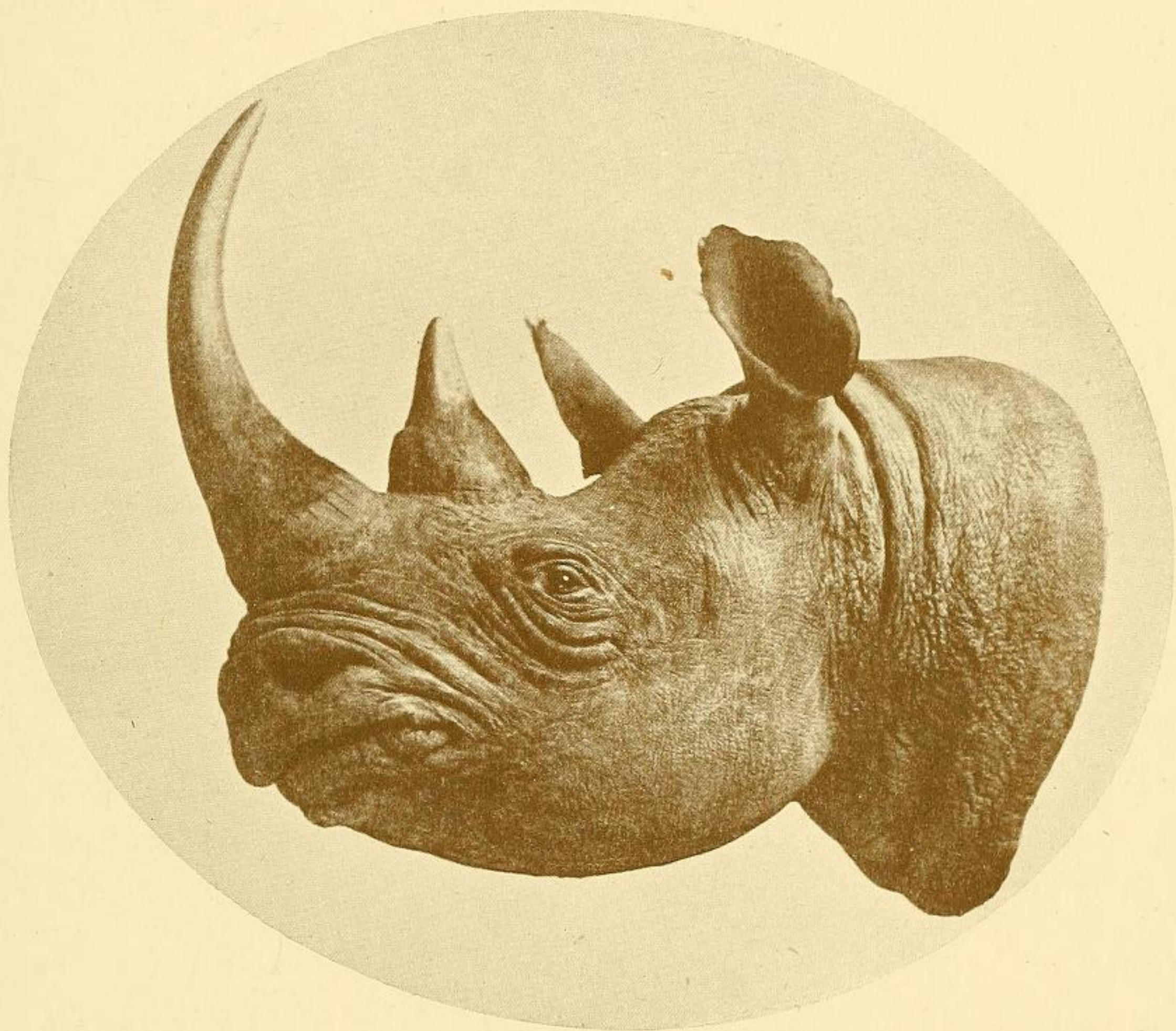
Shempola, Chila.

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. Other points of distinction are, however, shown by the form of the horns and ears and the position of the eyes; while in bodily size

this animal is also considerably 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. Average height at shoulder, 5 feet. Weight (Capt. R. Meinertzhagen), 1 ton 1 cwt. 1 qr. 8 lbs.

Black rhinoceroses sometimes have more than the usual two horns. Gordon Cumming, for instance, records having killed a three-horned



Head of Black Rhinoceros.

specimen ; and several others have been recorded from East Africa, including a five-horned specimen.

Distribution.—From Abyssinia and Somaliland through East 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. Although more alert and active than the white rhinoceros, and thus a more dangerous animal, this species is by no means difficult to kill with modern weapons ; and in the old days hunters frequently shot half-a-dozen in a single evening as they

came to drink at a pool. Of the local races at present named, the E. African *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.

♂ Living animal, 602 lbs. (*New York Zool. Soc.*).

♀ " " 1080 " " "

Length on outside curve.		Circumference.		Locality.	Owner.
Front horn.	Rear horn.	Front horn.	Rear horn.		
53½	...	18¼	...	East Africa . . .	Dr. C. H. Orman.
47	22¼	22	20	Do. . . .	S. L. Hinde.
44	...	...	...	Do. . . .	The late F. Holmwood.
¹ 43½	...	21¾	...	Congo-Uganda Boundary ?	Hon. Walter Rothschild.
43	...	21½	...	?	The late A. Beit.
41½	10	20½	16½	Zululand . . .	The late Lieut.-Col. the Hon. W. Coke.
40	14¾	18½	20¼	Mt. Kenia, British East Africa	The late A. H. Neumann.
39	19¾	19¾	17	East Africa . . .	E. B. Horne.
38¾	...	21	...	?	Hon. Walter Rothschild.
38½	...	19	...	Masailand . . .	Sir John Kirk.
♀ 35¾	...	17¼	...	Do. . . .	Capt. G. H. Riddell.
35	11¼	21	20	East Africa . . .	Capt. L. W. Sadlier-Jackson.
33¾	16	20	19½	Do. . . .	T. P. Kempson.
♀ 33½	...	17½	...	Matabililand . . .	W. Van Ness.
33	22	19½	20½	East Africa . . .	A. J. A. Douglas.
32½	16	22	19	Do. . . .	Capt. R. Meinertzhagen.
31¼	12	16½	16	Do. . . .	G. St. J. Orde Browne.
31	...	18	...	Do. . . .	R. P. Carroll.
♀ 31	13½	18¼	18	Do. . . .	W. Neilson.
31	19½	16	16⅞	Do. . . .	H. C. V. Hunter.
30½	16¾	21¾	20½	Do. . . .	R. W. McKergow.
² 30	21½	22½	23½	Do. . . .	Lieut.-Col. the Hon. A. Greville.
30	7¾	21	19½	Do. . . .	K. V. Painter.
29½	14½	...	...	Somaliland . . .	A. H. Straker.

¹ Determination provisional.

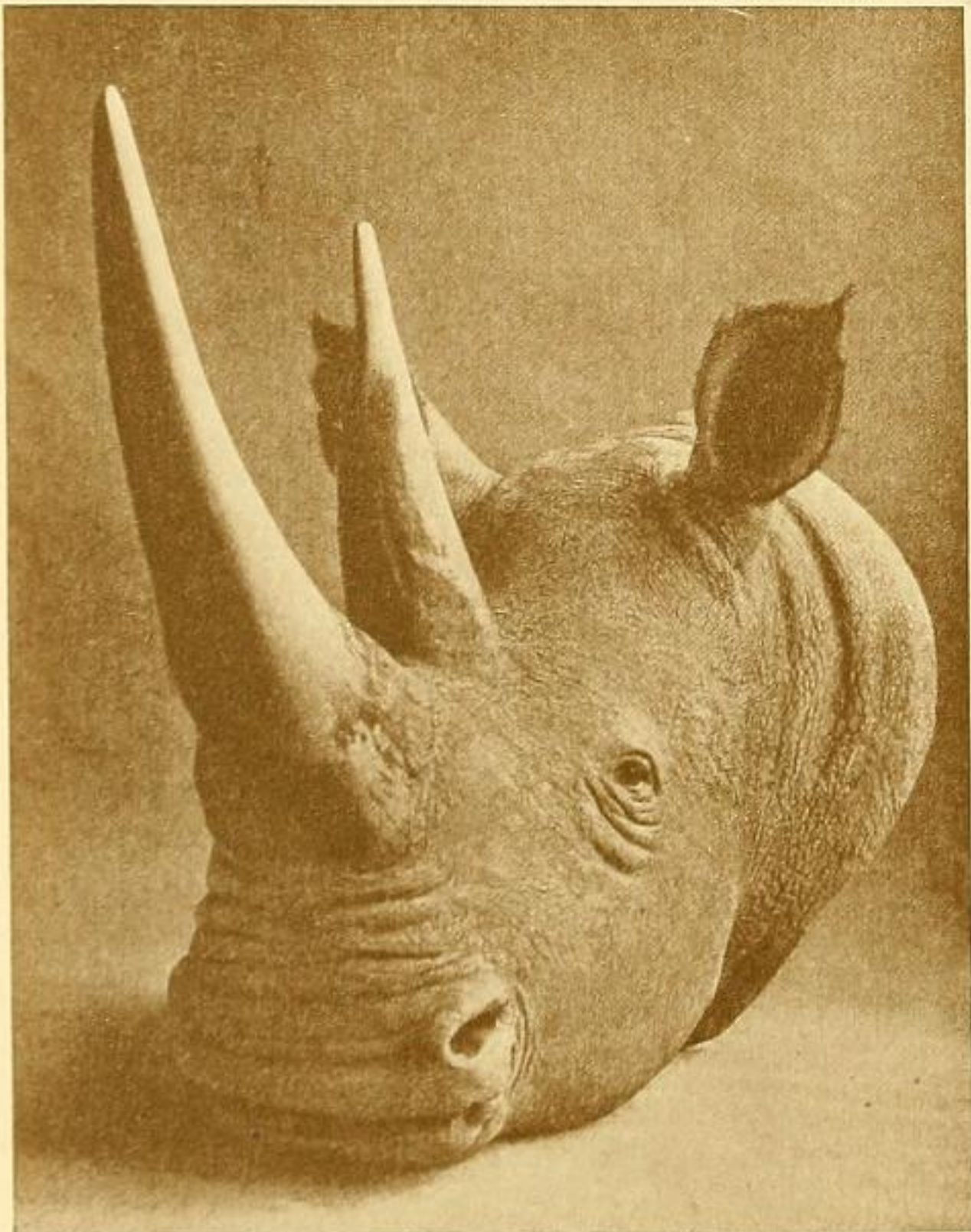
² Weight front horn, 13¾ lbs. Weight rear horn, 15 lbs.

Length on outside curve.		Circumference.		Locality.	Owner.
Front horn.	Rear horn.	Front horn.	Rear horn.		
29	29½	17¼	18	South Africa . .	R. B. Keeling.
29	...	19	...	East Africa . .	S. H. Christy.
28½	11¾	20¼	20½	S. E. Africa . .	Dr. Sauer.
28¼	8¾	18⅛	...	South Africa . .	F. C. Selous.
28	...	23¼	...	East Africa . .	F. Baden-Powell.
28	7½	17¾	18½	Do. . .	F. C. Selous.
♀ 27¾	22	19¾	20¼	Do. . .	The Master of Belhaven.
27¼	10	21	17	Masailand . .	The late Rear-Admiral R. A. J. Montgomerie, R.N.
27	12½	24¾	20	East Africa . .	Abel Chapman.
27	...	20½	...	Do. . .	E. Gedge.
27	16½	17⅞	17½	Do. . .	Sir Robert Harvey, Bart.
27	12	...	...	Do. . .	Sir John Willoughby, Bart.
26¾	20½	21¾	19	Do. . .	W. N. McMillan.
26½	10½	19½	15	Do. . .	Henry Charrington.
26½	25½	18½	19	Do. . .	H. Sampson.
26½	11	24	20	Do. . .	Col. A. Colville.
26	13	20¼	23½	Do. . .	C. Craig.
26	9	18	17	Do. . .	Lieut.-Col. M. Tighe.
26	10	20½	19	Do. . .	F. W. Belt.
26	13½	18½	17	Do. . .	Stephenson R. Clarke.
26	12¾	17½	17¾	Do. . .	H. S. L. Scott.
26	16¾	20½	21	N. E. Rhodesia . .	P. M. Stewart.
26	19½	11¾	22	N. Nigeria . .	Capt. N. K. Street.
26	11¾	23¾	22	East Africa . .	H. C. Allfrey.
25¾	10½	20¾	16½	Nigeria . .	Major J. G. Browne.
22½	14½	17	16½	Somaliland . .	Sir Abe Bailey.
22¼	10	22¾	19	Do. . .	The late Sir H. D. Tichborne, Bart.
22	6¾	17¼	16	Do. . .	Col. H. D. Olivier.
21¾	17	14	16	Abyssinia . .	British Museum.
20¼	...	19¼	...	Lake Chad . .	Capt. G. W. Moran.
19½	9¾	18	14	Nigeria . .	Capt. H. V. Venables Kyrke.

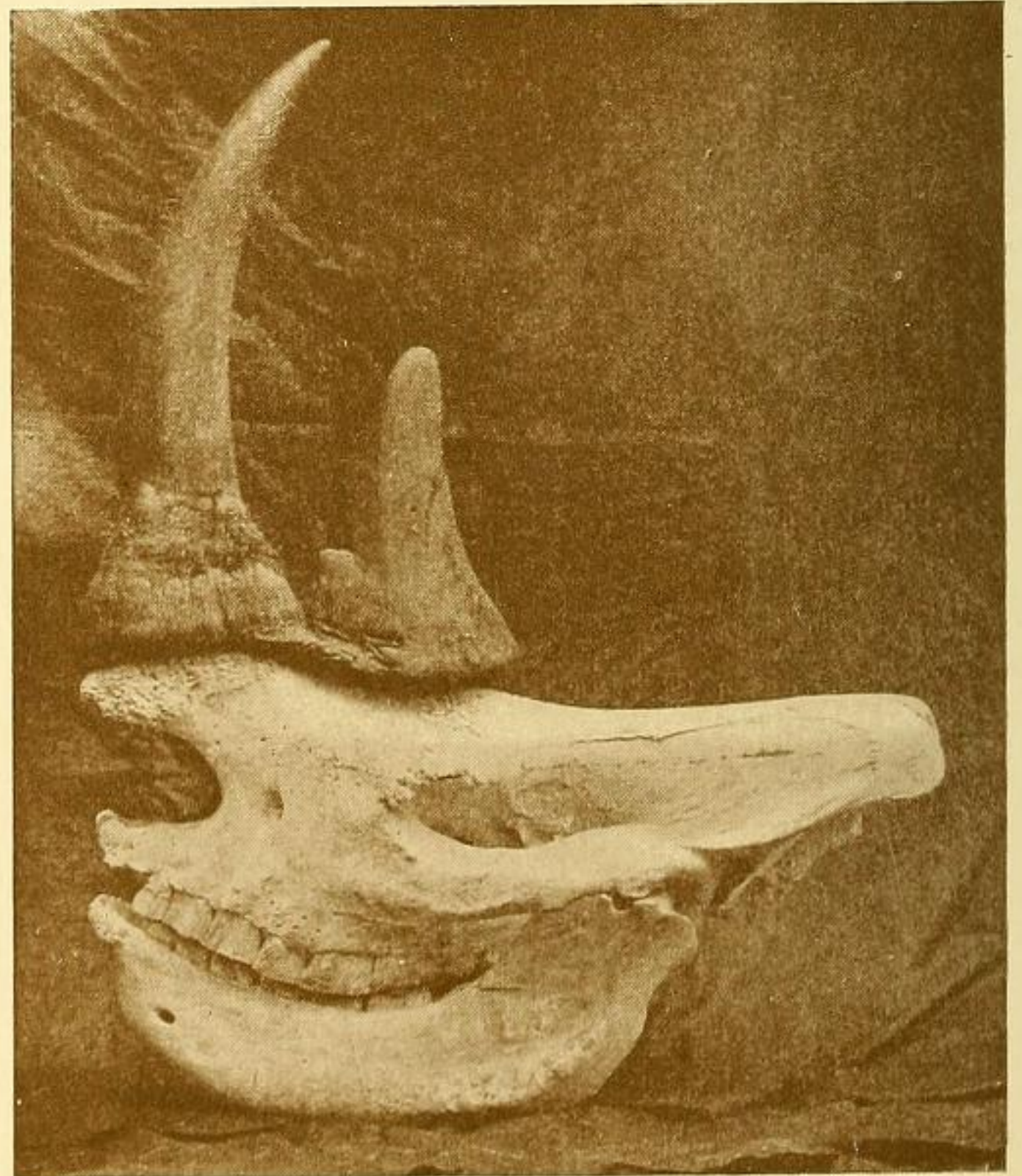
Length on outside curve.		Circumference.		Locality.	Owner.
Front horn.	Rear horn.	Front horn.	Rear horn.		
17 $\frac{3}{4}$	8	16 $\frac{3}{4}$	15 $\frac{3}{4}$	Nigeria . . .	Major J. B. Cockburn.
16	9 $\frac{3}{4}$	17	15 $\frac{3}{4}$	Do. . . .	P. E. Bradney.
14 $\frac{3}{4}$	9	17 $\frac{1}{4}$	14	Benue, Nigeria . . .	Capt. E. J. Wolseley.
13	6 $\frac{3}{4}$	17 $\frac{1}{4}$	16 $\frac{1}{2}$	Abyssinia	O. Neumann.

OWNER'S MEASUREMENTS.

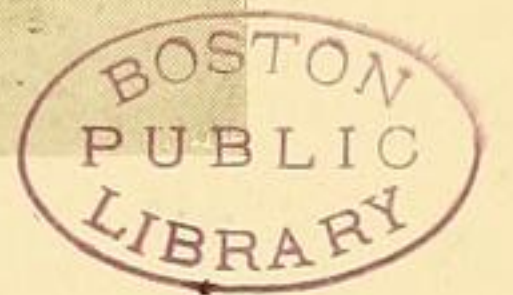
44 $\frac{1}{2}$	...	...	...	East Africa . . .	Imperial Museum, Vienna.
41 $\frac{1}{4}$	...	22 $\frac{1}{2}$	...	Orange River Colony .	Major - Gen. Sir William Crossman.
41	...	...	...	?	Carl Hagenbeck.
40	...	22	...	East Africa . . .	Berlin Museum.
39 $\frac{1}{8}$	...	21 $\frac{1}{2}$	...	South Africa . . .	J. Lamont.
38	11	24	21 $\frac{3}{4}$	Do. . . .	Earl of Dartmouth.
37	12 $\frac{1}{2}$	20 $\frac{1}{2}$	17 $\frac{1}{2}$	Uganda	Sir Edmund G. Loder, Bart.
36	...	..	...	East Africa . . .	Sir Bartle Frere, Bart.
35 $\frac{1}{2}$	...	18	...	?	H. Murray.



Head of Northern White Rhinoceros.



Skull and horns of White Rhinoceros from Lado in the possession of Sir Edmund G. Loder, Bart.



Front Horns of Female White Rhinoceros.
From specimens in the Collection of the late Roualeyn Gordon Cumming,
in the possession of Col. W. Gordon Cumming.

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

Um Girin, Sudani.

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. It is stated that the colour of the skin is rather lighter than that of the black species.

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 possibly by 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 on outside curve.		Circumference.		Locality.	Owner.
Front horn.	Rear horn.	Front horn.	Rear horn.		
56½	...	23½ about	...	South Africa . .	British Museum.
50¾	10	25	22	Do. . .	W. N. McMillan.
46½	...	27	...	Do. . .	Carl Hagenbeck.
44	...	20	...	Do. . .	British Museum.
43¾	...	23¾	...	Do. . .	The late A. Beit.
42¾	...	25⅝	...	Limpopo . .	The late W. C. Oswell.
40¾	...	29¾	...	South Africa . .	Sir Edmund G. Loder, Bart.
40½	...	20¾	...	Do. . .	Hon. Walter Rothschild.
40½	...	22½	...	Do. . .	Sir Edmund G. Loder, Bart.

Length on outside curve.		Circumference.		Locality.	Owner.
Front horn.	Rear horn.	Front horn.	Rear horn.		
39 $\frac{1}{8}$	...	23	...	? East Africa . . .	Lord Delamere.
♀ 38 $\frac{5}{8}$	...	24 $\frac{1}{2}$	...	South Africa . . .	The late W. C. Oswell.
38 $\frac{1}{4}$	...	22 $\frac{1}{4}$	...	Do. . . .	J. B. Taylor.
37 $\frac{3}{8}$	17 $\frac{7}{8}$	27 $\frac{1}{8}$	...	Mashonaland . . .	F. C. Selous.
36	...	28 $\frac{1}{2}$	...	Do. . . .	C. D. Rudd.
¹ 35 $\frac{1}{2}$	7 $\frac{5}{8}$	26	21	Mount Domo, Mashonaland . . .	South African Museum (late Cecil Rhodes).
33 $\frac{1}{2}$	...	23	...	? . . .	Sir Abe Bailey.
33	13 $\frac{1}{8}$	23 $\frac{1}{4}$	...	Mashonaland . . .	F. C. Selous.
31 $\frac{1}{4}$	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 $\frac{1}{2}$	Zululand . . .	Pretoria Museum (Julius Jeppe).
¹ 22 $\frac{1}{2}$	7 $\frac{1}{2}$	26 $\frac{1}{4}$	...	Mashonaland . . .	Hon. Walter 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.R.H. the Duc d'Orléans.

OWNER'S MEASUREMENTS.

59	...	22 $\frac{1}{2}$	...	South Africa . . .	Col. W. Gordon Cumming.
52 $\frac{1}{2}$	...	21 $\frac{1}{2}$	...	Do. . . .	Do.
41	...	...	...	Do. . . .	J. W. Fitzherbert.

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

41	11	26	22 $\frac{1}{4}$	Mongalla . . .	Major P. M. Dove.
40 $\frac{1}{4}$	...	25	...	Bahr-el-Ghazal . . .	Major F. G. Poole.
39	11	26 $\frac{1}{4}$	25 $\frac{3}{4}$	Do. . . .	Capt. C. Graham.
36 $\frac{1}{4}$	...	19 $\frac{3}{4}$	...	S. Sudan . . .	Lieut.-Gen. Sir B. T. Mahon.
36 $\frac{1}{4}$	14	27	18 $\frac{1}{2}$	Lado . . .	The late G. G. Longden.
35	13 $\frac{1}{2}$	21 $\frac{1}{2}$	20 $\frac{1}{2}$	Do. . . .	H. Twyford.
♀ 35	10 $\frac{3}{4}$	22 $\frac{1}{4}$	20 $\frac{5}{8}$	Do. . . .	Major P. H. G. Powell-Cotton.
33 $\frac{3}{4}$	12	25 $\frac{1}{2}$	20	S. Sudan . . .	The late Prince Paul Demidoff.
32 $\frac{1}{2}$	12 $\frac{1}{2}$	21 $\frac{1}{2}$	19	Near Lado . . .	Col. J. J. Harrison.
32	13	27 $\frac{1}{4}$	25 $\frac{1}{2}$	Do. . . .	Capt. the Hon. M. P. Macnaghten.
32	7	21	16 $\frac{3}{4}$	Do. . . .	Douglas McDouall.
31 $\frac{1}{4}$	13 $\frac{1}{4}$	25 $\frac{1}{4}$	24	Lado . . .	C. Mathews.
31	12	27	27	Do. . . .	British Museum (Major P. H. G. Powell-Cotton).
30 $\frac{3}{4}$	...	25 $\frac{3}{4}$	...	White Nile . . .	Lieut.-Col. C. J. Hawker.
29	10	25	23	Do. . . .	Major R. M. Sanders.
27 $\frac{3}{4}$	...	28 $\frac{3}{4}$	...	S. Sudan . . .	Hon. Walter Rothschild.
27	9	25 $\frac{1}{4}$	22 $\frac{1}{2}$	Do. . . .	A. A. R. Boyce.
27	9	22 $\frac{3}{4}$	21 $\frac{1}{4}$	Do. . . .	Capt. F. W. Woodward.
26	15 $\frac{1}{2}$	26	19 $\frac{1}{4}$	Do. . . .	Sir Kenneth Crossley.

¹ Mounted specimens.