

## RAMPHASTOS CARINATUS, *Swains.*

### Keel-billed Toucan.

#### SPECIFIC CHARACTER.

*Ramph. rostro compresso, fasciâ angustâ nigrâ basali circumdatâ, apice sanguineo; mandibulâ superiore viridi, culmine maculâque utrinque aurantio-flavis; gutture pectoreque luteis; uropygio albo.*

Crown of the head and back of the neck dull black, with a wash of rufous on the latter, varying in intensity in different individuals; back, wings, abdomen and tail black, glossed with green; upper tail-coverts white; under tail-coverts vivid blood-red; cheeks and throat yellow, bounded below with a band of scarlet in some specimens and not in others; bill green, with a spot of orange-yellow on each side of the upper mandible, and a line of the same colour extending along the culmen throughout its whole length; both mandibles bounded at the base with a narrow line of black and tipped with red, and both marked with indistinct transverse rays of black; orbits verditer-green, passing into yellow on their outer margin; immediately behind the bill a small patch of yellow feathers; feet blue, with a tinge of lilac on their under surface.

Total length, 22 inches; bill,  $5\frac{3}{4}$ ; wing,  $8\frac{3}{4}$ ; tail, 7; tarsi,  $2\frac{3}{4}$ .

*Toucan, or Brazilian Pie*, Edw. Glean., vol. ii. p. 64. pl. 64.

*Yellow-breasted Toucan*, Ih., vol. iii. p. 253. pl. 329.

*Ramphastos Tucanus*, Shaw, Gen. Hist., vol. viii. p. 362.

— *callorhinchus*, Wagl. Syst. Av., *Ramphastos*, sp. 6.

— *paeclorhynchus*, Licht. in Mus. Berlin.

— *sulfuratus*, Less. Traité d'Orn., p. 173.

— *carinatus*, Swains. Zool. Ill., vol. i. pl. 45.—Wagl. Syst. Av., *Ramphastos*, sp. 7.—Gould, Mon. of Ramph., pl. 7.—Ib. Sturm's Edit., pl.

— *piscivorus*, Linn. Syst. Nat., tom. i. p. 151.—Gmel. Edit., tom. i. p. 355.—Lath. Ind. Orn., tom. i. p. 136.—Gray and Mitch. Gen. of Birds, vol. ii. p. 403, *Ramphastos*, sp. 6.—Bonap. Conspl. Gen. Av., p. 93, *Ramphastos*, sp. 9.

*Tucana Brasiliensis gutture albo*, Briss. Orn., tom. iv. p. 413.—Ib. 8vo, tom. ii. p. 158.

*Brazilian Toucan*, Lath. Gen. Syn., tom. i. p. 327.—Shaw, Nat. Misc., pl. 183.—Ib. Gen. Zool., vol. viii. p. 363.—Lath. Gen. Hist., vol. ii. p. 284.

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THERE is little doubt in my mind that the characters of Linnaeus' *Ramphastos piscivorus* were taken from an example of this species; it is true that the throat is described as white, which would militate against such an opinion; but it is probable that the whiteness of the throat was due to the bird being out of health or to some other cause: if this supposition be correct, it will be said that the term *piscivorus* ought to be the specific appellation adopted; it is, however, so objectionable, being indicative of a habit not found to exist in any species of the family, that I have preferred employing Mr. Swainson's name, *carinatus*, so peculiarly descriptive of the remarkable form of the bill. I do not know any species of the family which is subject