THE HORNBILL.

BY FRED BEVERLEY.

It is not strange that Africa, the found to contain within its tangled loud cries. jungles the rarest and most gro-tesque forms of animal life, though

of the hornbill, one species of which is shown in the illustration. Although this bird is found

they remain for hours shouting they remain for hours shouting gleefully in their bravest tones.

They feed upon pulpy fruits, Although this bird is found dant in Africa.

If we may believe report, the bill of the hornbill is nearly onefourth the length of its body. The bill is very long, curved, deep and thin, and has a helmet upon its crown, of various shapes and sizes; and this helmet is used to give to many species their specific, or proper names. Thus, there is the Buceros bicornis, or two-horned hornbill; the Buceros rhinocero or rhinoceros hornbill, so called from the immense helmet resembling the horn of a rhinoceros. Buceros is the generic name applied to them for some peculiarity they all possess in common; the specific, or individual, names being derived from the shapes of their helmets.

Though seemingly heavy and unwieldy, the bill of the hornbill is very light, being composed of light cellular tissue, resembling in this respect the skull of the elephant; and the walls of thin bone are so fragile, that in dried specimens it may be crushed in the hand. The edge of the man-dibles, or beaks, are very sharp, frequently breaking off and being renewed. It is said that the age of the bird may be ascertained from the wrinkles on its bill, as the age of a cow is sometimes told from the wrinkles around her

Before proceeding further, it may be well to notice a family of birds, inhabiting South America, often confounded with the hornbills, from their resemblance. These are the toucans. They are confined to the warmer por-tions of the New World, as the hornbills are to those of the Old. Their bills are large, of the same structure, but lack the helmet; they are brighter-colored and gaudy of plumage. Their voices yellow tipped. are loud and uarsh, and can be

heard a long way.

It is from the cry of the Brazillian species, "toucano," that they derive their name. When feeding, they post a sentinel. They have a habit of sitting upon the topmost branches of trees, chattering, lifting their heads at regular intervals, clashing their bills together, and crying out so loudly as to be heard at the discreption of the cry of the Brazillian species, "toucano," that they derive their name. When feeding, they post a sentinel. They have a habit of sitting upon the topmost branches of trees, chattering, lifting their heads at regular intervals, clashing their bills together, and crying out so loudly as to be heard at the discreption of the crown of feath-state to fix the crested horn-bill, which has a crown of feath-state to fly before the other two young ones, that are nearly septime to fly before the other two appear. Then, with the two older birds, she leaves the nest and walls in the younger ones, which are fed, through the slit, by their father and mother until able to take care of themselves.

Many writers have speculated upon the reason for this peculiar upon the reason for this peculiar canals, or statues, or songs.—Em-

great antipathy to any bird uglier home of the gorilla and hippopot-amus, should possess the most owl with the zest of crows, nearly curious specimens of the great frightening the poor bird to death class of birds; for it has been with their clashing beaks and

hornbills. From the great size tesque forms of animal life, though we must except the island of their bills, they cannot walk Australia, where the laughing jackass and the kangaroo are found.

Total bills, From the great size of their bills, they cannot walk australia, where the same their homes, and they hop from their homes. One of the most interesting and limb to limb with great ease, attractive families of birds is that climbing to the tree-tops, where

in India, it is much more abun- small animals, reptiles and insects, and make their nests in hollow

THE HORNBILL FEEDING HIS WIFE.

The largest species is the rhinoceros hornbill, which has a stretch of wing of about three feet, and a bill ten inches in length. The general color of this bird is black, the tail tipped with white. The bill is black at the base readile hin through this slit until the young are hatched and fledged—a period of eight or ten weeks, In this bird is black, the tail tipped with white. The bill is black at the base readile hin through this slit until the young are hatched and fledged—a period of eight or ten weeks, In this there is a space of about twenty base readile hin the harbor, passage, where plunges down into the base area to the private and the private and the private area to the private and the private area to the

The most attractive species, as

base, reddish in the middle, and try, who esteem her a great delicacy.

Sometimes the female hatches out hurried through before the river

tance of a mile. From this the have been told by Livingstone ing up the young hornbills; but, natives have given them the name the African explorer, that this although they cannot tell exactly of "preacher birds.,' They have bird breeds, like the other mem why the plan is adopted, there is bers of its family, in hollow trees; no doubt that the old birds know that it makes its nest in holes in what they are about.

the trunks of these trees, that the fe-It is certainly not to prevent male lines its nest with feathers the escape of his mate that the with their clashing beaks and from her own body, and lays four loud cries.

To return to our friends the of pigeons' eggs.

To return to our friends the of pigeons' eggs.

To return to our friends the of pigeons' eggs. In this there is nothing remark- in procuring food for her and their ably noteworthy; but we are as-little ones during those two long tonished when we read further weary months. It is more than and find that, after the nest is probable that the object sought is prepared to the satisfaction of the to prevent the entrance of noxious female, she is shut up a close pris- reptiles, which could easily deoner for weeks; that the entrance stroy mother and young, did not to the hole is plastered over with that formidable bill so effectually mud, until only a little slit is left, fill the hole. But one thing is three or four inches long and half certain, the mother hornbill is and inch wide—just large enough obliged to stay at home and at to admit the beak. The male bird, who has walled though she must be very different from almost any other bird if she does not, of her own free-will and desire, hatch out her little ones and take care of them until they can look out for themselves.

If we all attended to our duties as earnestly and conscientiously as mother-birds (and sometimes father-birds too) attend to theirs, it would be better for most of us. -St. Nicholas.

A CATARACT THAT RUSHES UP THE RIVER.

In most rivers, as I've heard, the cataracts and rapids flow down-stream, but one of my Canadian friends sends word that the St. John River, New Brunswick, has a cataract which has a queer habit of semetimes rushing upstream

A little above where the river flows into the ocean, there is a wide and deep basin that empties itself into the harbor through a narrow passage between two walls of rock. When the tide is going down, the water runs out of the harbor into the ocean far more quickly than the river can flow through the narrow channel above, and so the stream pours itself seaward through the harbor end of the passage in a roaring water-fall. But when the tide is rising, the ocean fills the harbor and passage so rapidly that the sea-water plunges down into the basin from the river end of the narrow channel, in a foaming

one height in the harbor, passage, and basin, and then the ships that are to go up or down must be

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